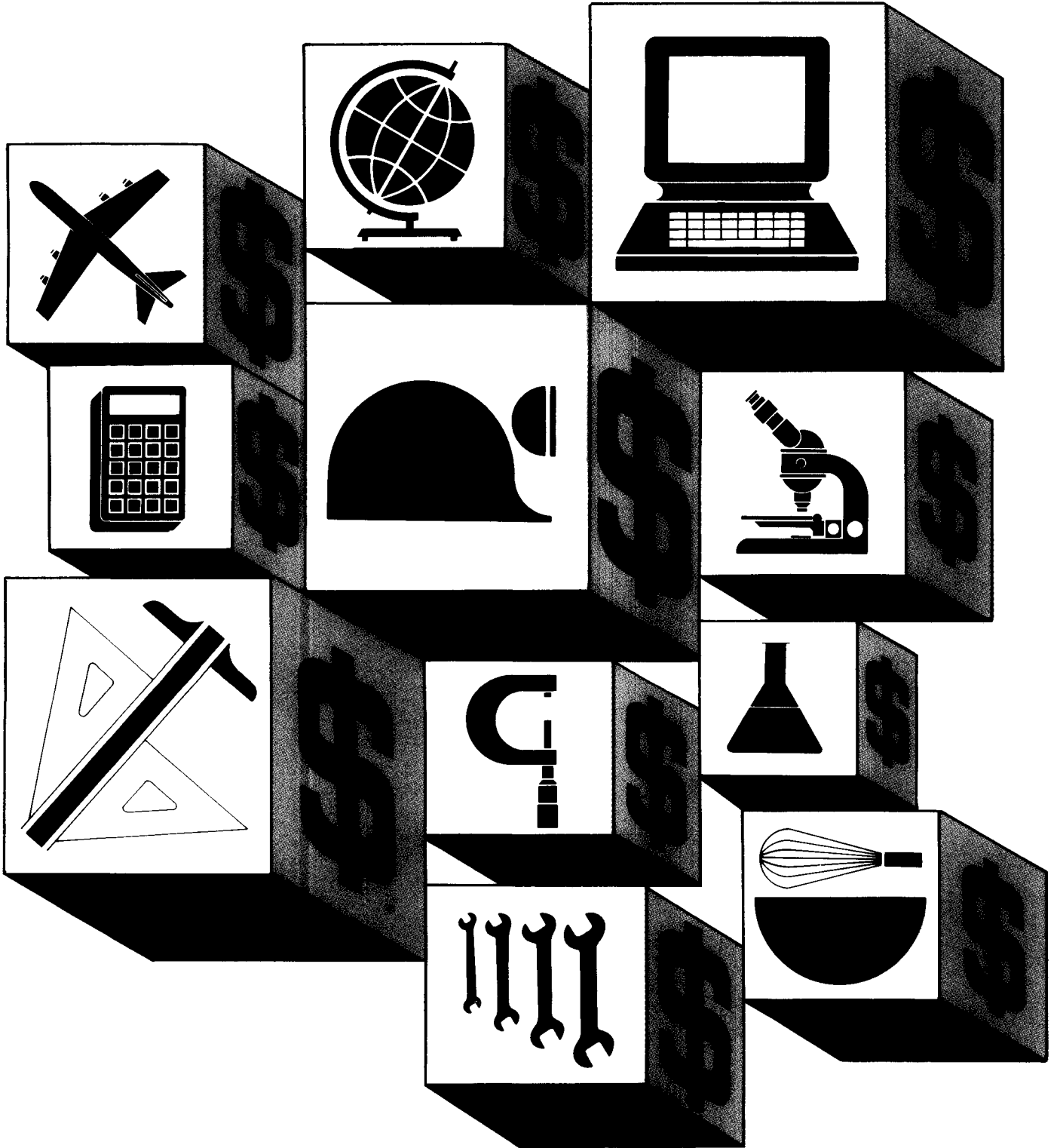




# EMPLOYMENT AND EARNINGS

U.S. Department of Labor  
Bureau of Labor Statistics  
September 1992





**U.S. DEPARTMENT OF LABOR**  
Lynn Martin, Secretary

**BUREAU OF LABOR STATISTICS**

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**September 1992**  
**Vol. 39 No. 9**

**Calendar of Features**

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

**Household data**

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

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

National annual averages:	
Industry divisions (preliminary)	Jan.
Industry detail	Mar., June
Women employees	Mar., June
National data revised to reflect new benchmarks and new seasonal adjustment factors	June
Revised historical national data	Supplement <sup>1</sup>
State and area annual averages	May
Area definitions	May

**State and area labor force data**

Annual averages	May
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<sup>1</sup> The latest supplement was published in August 1992.

# Employment and Earnings

Editors: Gloria Peterson Green, Eugene H. Becker

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# Monthly Household Data

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# Employment and Unemployment Developments, August 1992

Nonfarm payroll employment declined in August and unemployment was about unchanged. The number of payroll jobs, which had increased in July, declined by 83,000 in August. Private payrolls fell by 167,000, with especially large job losses in manufacturing and retail trade. At 7.6 percent in August, the jobless rate has come down slightly from its recent June high of 7.8 percent. The 2-month decline, however, was essentially confined to teenagers.

## Unemployment

Both the number of unemployed persons, 9.7 million, and the unemployment rate, 7.6 percent, were virtually unchanged in August from the prior month. The unemployment rate for teenagers (19.8 percent) improved slightly, while jobless rates for adult men (7.3 percent), adult women (6.5 percent), whites (6.6 percent), blacks (14.3 percent), and Hispanics (11.2 percent) all showed little or no movement. The decrease in the teenage unemployment rate was the second consecutive monthly decline, following a sharp rise in June, and reflects the impact of the special summer jobs program. (See tables A-33 and A-34.)

Two other key unemployment measures, the number of long-term unemployed and job losers, held at about their July levels. (See tables A-40 and A-41.)

Over the past year, the number of unemployed persons increased by 1.2 million and the rate rose by 0.8 percentage point. About two-thirds of the increase in unemployment has been among persons who lost a job to which they do not expect to be recalled—"other job losers." (See table A-41.)

## Total employment and the labor force

At 117.7 million in August, total employment was about the same as in the prior month. The employment-population ratio—the percent of the working-age population that is employed—was 61.4 percent. The ratio has remained in a range of 61.2 to 61.6 percent since the spring of 1991, well below the peak of 63.1 percent reached in March 1990. (See table A-33.)

The civilian labor force, at 127.4 million in August, was little changed from the June-July levels. Between last November and June, the labor force had grown by 2.2 million. The labor force participation rate—the percent of the

working-age population that is either working or looking for work—edged down to 66.4 percent from its all-time high of 66.6 percent last reached in the prior 2 months. (See table A-33.)

## Industry payroll employment

Nonfarm payroll employment declined by 83,000 in August, despite further increases in local government jobs. Excluding government, payroll employment declined by 167,000 in August, following a 95,000 gain in the prior month. The large increases in local government employment—63,000 in July and 88,000 in August—reflected the special Federally funded summer youth job programs. (See table B-4.)

Manufacturing employment declined sharply in August, falling by 97,000. This was the second decrease in the last 3 months, following a short period of stability. Job losses were widespread over the month. Some were part of longer-term cutbacks—industrial machinery, electronic equipment, transportation equipment (mostly aircraft), and instruments. Other losses, such as those in apparel and food processing, followed unusually large increases in July. In all, 16 of the 20 individual industries within manufacturing had employment losses in August, as the factory job total reached its lowest point since April 1983.

Construction industry employment remained weak in August. After seasonal adjustment, the number of construction jobs was slightly lower than last winter, as losses in summer months offset gains in the spring.

Retail trade employment declined by 71,000 in August. Job losses continued in general merchandise stores, and an employment decrease in eating and drinking places reversed an increase in the prior month. Wholesale trade edged down by 8,000 in August; this industry has not shown an increase in over 2 years.

The services industry added 22,000 jobs over the month—well below the average monthly gain of 50,000 over the past year. Business services continued to grow at a relatively slow pace, after a more vigorous expansion during the spring months. Similarly, the August job gain in health services was slightly smaller than this industry's average so far in 1992. A small employment increase in finance, insurance, and real estate, on the other hand, offset some of the losses in prior months.

**HOUSEHOLD DATA  
HISTORICAL**

**A-1. Employment status of the noninstitutional population 16 years and over, 1959 to date**

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
<b>Annual averages</b>												
1959 .....	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960	
1960 <sup>1</sup> .....	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617	
1961 .....	120,671	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,312	
1962 .....	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539	
1963 .....	124,422	73,839	59.3	69,768	2,006	67,762	4,687	63,076	4,070	5.5	50,583	
1964 .....	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,786	5.0	51,394	
1965 .....	128,459	76,401	59.5	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058	
1966 .....	130,180	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288	
1967 .....	132,092	79,565	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527	
1968 .....	134,281	80,990	60.3	78,173	2,253	75,920	3,817	72,103	2,817	3.5	53,291	
1969 .....	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,296	2,832	3.4	53,602	
1970 .....	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315	
1971 .....	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834	
1972 <sup>2</sup> .....	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 <sup>1</sup> .....	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667	
1974 .....	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171	
1975 .....	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377	
1976 .....	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991	
1977 .....	160,689	100,665	62.6	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025	
1978 <sup>1</sup> .....	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659	
1979 .....	166,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900	
1980 .....	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806	
1981 .....	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460	
1982 .....	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067	
1983 .....	175,891	113,226	64.4	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665	
1984 .....	178,080	115,241	64.7	106,702	1,697	105,005	3,321	101,685	8,539	7.4	62,839	
1985 .....	179,912	117,167	65.1	108,856	1,706	107,150	3,179	103,971	8,312	7.1	62,744	
1986 <sup>1</sup> .....	182,293	119,540	65.6	111,303	1,706	109,597	3,163	106,434	8,237	6.9	62,752	
1987 .....	184,490	121,602	65.9	114,177	1,737	112,440	3,208	109,232	7,425	6.1	62,888	
1988 .....	186,322	123,378	66.2	116,677	1,709	114,968	3,169	111,800	6,701	5.4	62,944	
1989 .....	188,081	125,557	66.8	119,030	1,688	117,342	3,199	114,142	6,528	5.2	62,523	
1990 .....	189,686	126,424	66.6	119,550	1,637	117,914	3,186	114,728	6,874	5.4	63,262	
1991 .....	191,329	126,867	66.3	118,440	1,564	116,877	3,233	113,644	8,426	6.6	64,462	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
<b>1991:</b>												
August .....	191,589	126,620	66.1	118,100	1,616	116,484	3,254	113,230	8,520	6.7	64,969	
September .....	191,746	127,214	66.3	118,713	1,624	117,089	3,283	113,806	8,501	6.7	64,532	
October .....	191,903	127,122	66.2	118,481	1,614	116,867	3,204	113,663	8,641	6.8	64,781	
November .....	192,057	126,979	66.1	118,377	1,605	116,772	3,272	113,500	8,602	6.8	65,078	
December .....	192,209	127,223	66.2	118,332	1,604	116,728	3,183	113,545	8,891	7.0	64,986	
<b>1992:</b>												
January .....	192,358	127,645	66.4	118,716	1,599	117,117	3,166	113,951	8,929	7.0	64,713	
February .....	192,469	127,872	66.4	118,628	1,585	117,043	3,232	113,811	9,244	7.2	64,597	
March .....	192,607	128,175	66.5	118,933	1,585	117,348	3,194	114,155	9,242	7.2	64,432	
April .....	192,745	128,407	66.6	119,252	1,577	117,675	3,209	114,465	9,155	7.1	64,338	
May .....	192,881	128,734	66.7	119,230	1,574	117,656	3,178	114,478	9,504	7.4	64,147	
June .....	193,025	129,119	66.9	119,144	1,570	117,574	3,252	114,322	9,975	7.7	63,906	
July .....	193,190	129,100	66.8	119,340	1,568	117,772	3,204	114,568	9,760	7.6	64,090	
August .....	193,356	129,003	66.7	119,303	1,566	117,737	3,218	114,519	9,700	7.5	64,353	

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

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

seasonal variation.

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

### Weekly hours

The average workweek for private production or non-supervisory workers increased 0.4 hour to 34.7 hours. There were no changes in the manufacturing workweek and factory overtime, which have held at 41.0 and 3.8 hours, respectively, throughout the summer. (See table C-5.)

The index of aggregate weekly hours of private production or nonsupervisory workers increased 0.8 percent to 121.8 (1982=100) in August, after seasonal adjustment, as the large increase in hours more than offset the employ-

ment decline. In contrast, the manufacturing index declined 0.7 percent to 101.9. (See table C-6.)

### Hourly and weekly earnings

Average hourly earnings rose by 0.7 percent in August and weekly earnings were up 1.8 percent, after seasonal adjustment. Prior to seasonal adjustment, average hourly earnings increased 4 cents to \$10.56 and average weekly earnings increased \$5.61 to \$369.60. Over the past year, average hourly and weekly earnings increased 2.6 and 3.5 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>
September	October 2	December	January 8
October	November 6	January	February 5
November	December 4	February	March 5



**HOUSEHOLD DATA  
HISTORICAL**

**A-2. Employment status of the noninstitutional population 16 years and over by sex, 1981 to date**

(Numbers in thousands)

Sex, year, and month	Noninstitutional population	Labor force									Not in labor force
		Number	Percent of population	Employed					Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force	
						Total	Agriculture	Nonagricultural industries			
<b>Annual averages</b>											
<b>MEN</b>											
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 <sup>1</sup> .....	87,349	66,973	76.7	62,443	1,551	60,892	2,511	58,381	4,530	6.8	20,376
1987 .....	88,476	67,784	76.6	63,684	1,577	62,107	2,543	59,564	4,101	6.1	20,692
1988 .....	89,404	68,474	76.6	64,820	1,547	63,273	2,493	60,780	3,655	5.3	20,930
1989 .....	90,283	69,360	76.8	65,835	1,520	64,315	2,513	61,802	3,525	5.1	20,923
1990 .....	91,122	69,705	76.5	65,906	1,472	64,435	2,507	61,928	3,799	5.4	21,417
1991 .....	91,951	69,810	75.9	64,992	1,399	63,593	2,552	61,041	4,817	8.9	22,141
<b>Monthly data, seasonally adjusted<sup>2</sup></b>											
<b>1991:</b>											
August .....	92,100	69,711	75.7	64,820	1,442	63,378	2,570	60,808	4,891	7.0	22,389
September .....	92,185	70,171	76.1	65,216	1,449	63,767	2,579	61,188	4,955	7.1	22,014
October .....	92,270	69,931	75.8	65,037	1,440	63,597	2,535	61,062	4,894	7.0	22,339
November .....	92,356	69,849	75.6	65,004	1,432	63,572	2,568	61,004	4,845	6.9	22,507
December .....	92,439	69,847	75.6	64,857	1,431	63,426	2,485	60,941	4,990	7.1	22,592
<b>1992:</b>											
January .....	92,521	70,045	75.7	64,880	1,427	63,453	2,442	61,012	5,165	7.4	22,476
February .....	92,578	70,124	75.7	64,766	1,414	63,352	2,503	60,849	5,359	7.6	22,454
March .....	92,655	70,266	75.8	64,946	1,417	63,529	2,503	61,026	5,320	7.6	22,389
April .....	92,733	70,499	76.0	65,310	1,417	63,893	2,505	61,388	5,190	7.4	22,234
May .....	92,806	70,883	76.4	65,307	1,414	63,893	2,529	61,364	5,577	7.9	21,923
June .....	92,882	70,944	76.4	65,146	1,410	63,736	2,543	61,193	5,798	8.2	21,938
July .....	92,971	70,749	76.1	65,207	1,408	63,799	2,547	61,252	5,541	7.8	22,222
August .....	93,061	70,852	76.1	65,288	1,408	63,860	2,545	61,315	5,564	7.9	22,209
<b>Annual averages</b>											
<b>WOMEN</b>											
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	685	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	46,081	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 <sup>1</sup> .....	94,944	52,568	55.4	48,861	155	48,706	852	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	58,719	57.5	53,644	165	53,479	679	52,800	3,075	5.4	41,845
1991 .....	99,378	57,057	57.4	53,448	164	53,284	682	52,602	3,609	6.3	42,321
<b>Monthly data, seasonally adjusted<sup>2</sup></b>											
<b>1991:</b>											
August .....	99,489	56,909	57.2	53,280	174	53,106	684	52,422	3,629	6.4	42,580
September .....	99,561	57,043	57.3	53,497	175	53,322	704	52,618	3,546	6.2	42,518
October .....	99,633	57,191	57.4	53,444	174	53,270	669	52,601	3,747	6.6	42,442
November .....	99,701	57,130	57.3	53,373	173	53,200	704	52,496	3,757	6.6	42,571
December .....	99,770	57,376	57.5	53,475	173	53,302	698	52,604	3,901	6.8	42,394
<b>1992:</b>											
January .....	99,837	57,600	57.7	53,836	172	53,664	725	52,939	3,764	6.5	42,237
February .....	99,891	57,747	57.8	53,862	171	53,691	729	52,962	3,886	6.7	42,144
March .....	99,951	57,909	57.9	53,988	168	53,820	691	53,129	3,922	6.8	42,042
April .....	100,012	57,907	57.9	53,942	160	53,782	705	53,077	3,865	6.8	42,105
May .....	100,075	57,851	57.8	53,924	160	53,764	649	53,115	3,927	6.8	42,224
June .....	100,142	58,175	58.1	53,998	160	53,838	709	53,129	4,178	7.2	41,967
July .....	100,220	58,351	58.2	54,133	160	53,973	657	53,315	4,219	7.2	41,869
August .....	100,295	58,151	58.0	54,035	158	53,877	673	53,204	4,117	7.1	42,144

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

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

**HOUSEHOLD DATA  
HISTORICAL**

**A-3. Employment status of the civilian noninstitutional population 16 years and over, 1959 to date**

(Numbers in thousands)

Year and month	Civilian noninstitutional population	Civilian labor force				Unemployment rates		
		Total	Percent of population	Employed	Unemployed	Total	Men	Women
<b>Annual averages</b>								
1959 .....	115,329	68,369	59.3	64,630	3,740	5.5	5.2	5.9
1960 <sup>1</sup> .....	117,245	69,628	59.4	65,778	3,852	5.5	5.4	5.9
1961 .....	118,771	70,459	59.3	65,746	4,714	6.7	6.4	7.2
1962 <sup>2</sup> .....	120,153	70,614	58.8	66,702	3,911	5.5	5.2	6.2
1963 .....	122,416	71,833	58.7	67,762	4,070	5.7	5.2	6.5
1964 .....	124,485	73,091	58.7	69,305	3,786	5.2	4.6	6.2
1965 .....	126,513	74,455	58.9	71,088	3,366	4.5	4.0	5.5
1966 .....	128,058	75,770	59.2	72,895	2,875	3.8	3.2	4.8
1967 .....	129,874	77,347	59.6	74,372	2,975	3.8	3.1	5.2
1968 .....	132,028	78,737	59.6	75,920	2,817	3.6	2.9	4.8
1969 .....	134,335	80,734	60.1	77,902	2,832	3.5	2.8	4.7
1970 .....	137,085	82,771	60.4	78,678	4,093	4.9	4.4	5.9
1971 .....	140,216	84,382	60.2	79,367	5,016	5.9	5.3	6.9
1972 <sup>1</sup> .....	144,126	87,034	60.4	82,153	4,862	5.6	5.0	6.6
1973 <sup>1</sup> .....	147,096	89,429	60.8	85,064	4,365	4.9	4.2	6.0
1974 .....	150,120	91,949	61.3	86,794	5,156	5.6	4.9	6.7
1975 .....	153,153	93,775	61.2	85,846	7,929	8.5	7.9	9.3
1976 .....	156,150	96,158	61.6	88,752	7,406	7.7	7.1	8.6
1977 .....	159,033	99,009	62.3	92,017	6,991	7.1	6.3	8.2
1978 <sup>1</sup> .....	161,910	102,251	63.2	96,048	6,202	6.1	5.3	7.2
1979 .....	164,863	104,962	63.7	98,824	6,137	5.8	5.1	6.8
1980 .....	167,745	106,940	63.8	99,303	7,637	7.1	6.9	7.4
1981 .....	170,130	108,670	63.9	100,397	8,273	7.6	7.4	7.9
1982 .....	172,271	110,204	64.0	99,526	10,678	9.7	9.9	9.4
1983 .....	174,215	111,550	64.0	100,834	10,717	9.6	9.9	9.2
1984 .....	176,383	113,544	64.4	105,005	8,539	7.5	7.4	7.6
1985 .....	178,206	115,461	64.8	107,150	8,312	7.2	7.0	7.4
1986 <sup>1</sup> .....	180,587	117,834	65.3	109,597	8,237	7.0	6.9	7.1
1987 .....	182,753	119,865	65.6	112,440	7,425	6.2	6.2	6.2
1988 .....	184,613	121,669	65.9	114,968	6,701	5.5	5.5	5.6
1989 .....	186,393	123,869	66.5	117,342	6,528	5.3	5.2	5.4
1990 .....	188,049	124,787	66.4	117,914	6,874	5.5	5.6	5.4
1991 .....	189,765	125,303	66.0	116,877	8,426	6.7	7.0	6.3
<b>Monthly data, seasonally adjusted<sup>2</sup></b>								
<b>1991:</b>								
August .....	189,973	125,004	65.8	116,484	8,520	6.8	7.2	6.4
September .....	190,122	125,590	66.1	117,089	8,501	6.8	7.2	6.2
October .....	190,289	125,508	66.0	116,867	8,641	6.9	7.1	6.6
November .....	190,452	125,374	65.8	116,772	8,602	6.9	7.1	6.6
December .....	190,605	125,619	65.9	116,728	8,891	7.1	7.3	6.8
<b>1992:</b>								
January .....	190,759	126,046	66.1	117,117	8,929	7.1	7.5	6.6
February .....	190,884	126,287	66.2	117,043	9,244	7.3	7.8	6.7
March .....	191,022	126,590	66.3	117,348	9,242	7.3	7.7	6.8
April .....	191,168	126,830	66.3	117,675	9,155	7.2	7.5	6.9
May .....	191,307	127,160	66.5	117,656	9,504	7.5	8.0	6.8
June .....	191,455	127,549	66.6	117,574	9,975	7.8	8.3	7.2
July .....	191,622	127,532	66.6	117,772	9,760	7.7	8.0	7.2
August .....	191,790	127,437	66.4	117,737	9,700	7.6	8.0	7.1

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

Explanatory Notes.

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	August 1992										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>TOTAL</b>											
16 years and over .....	191,790	128,473	67.0	119,082	9,390	7.3	63,317	24,977	2,116	3,801	32,423
16 to 19 years .....	13,145	7,801	59.3	6,517	1,285	16.5	5,344	658	850	35	3,801
16 to 17 years .....	6,908	3,252	49.2	2,679	573	17.6	3,356	320	450	6	2,581
18 to 19 years .....	6,537	4,550	69.6	3,838	712	15.6	1,988	338	400	29	1,220
20 to 24 years .....	17,799	14,260	80.1	12,728	1,532	10.7	3,540	1,357	660	119	1,403
25 to 54 years .....	109,020	91,122	83.6	85,342	5,780	6.3	17,898	11,325	591	1,656	4,327
25 to 34 years .....	41,806	34,966	83.6	32,312	2,654	7.6	6,839	4,578	357	369	1,535
25 to 29 years .....	19,618	16,356	83.4	15,083	1,273	7.8	3,262	2,143	214	165	739
30 to 34 years .....	22,188	18,610	83.9	17,229	1,382	7.4	3,577	2,435	143	204	796
35 to 44 years .....	39,498	33,551	84.9	31,591	1,960	5.8	5,947	3,779	190	552	1,426
35 to 39 years .....	20,991	17,765	84.6	16,811	1,154	6.5	3,226	2,118	110	266	732
40 to 44 years .....	18,507	15,786	85.3	14,980	806	5.1	2,721	1,860	80	286	694
45 to 54 years .....	27,716	22,804	81.8	21,439	1,165	5.2	5,112	2,968	43	736	1,366
45 to 49 years .....	15,408	12,911	83.8	12,264	647	5.0	2,495	1,454	31	358	652
50 to 54 years .....	12,310	9,893	78.7	9,175	518	5.3	2,617	1,513	12	378	714
55 to 64 years .....	21,087	11,824	56.1	11,164	660	5.6	9,263	3,713	12	793	4,746
55 to 59 years .....	10,616	7,217	68.0	6,831	386	5.3	3,398	1,674	9	409	1,305
60 to 64 years .....	10,472	4,607	44.0	4,332	275	6.0	5,865	2,039	2	383	3,440
65 years and over .....	30,738	3,468	11.3	3,332	133	3.9	27,272	7,925	3	1,198	18,146
65 to 69 years .....	9,972	2,000	20.1	1,917	84	4.2	7,972	2,380	3	253	5,336
70 to 74 years .....	8,468	914	10.8	878	36	3.9	7,554	2,150	-	265	5,139
75 years and over .....	12,298	552	4.5	537	14	2.5	11,746	3,395	-	880	7,672
<b>Men</b>											
16 years and over .....	91,653	70,180	78.6	65,151	5,028	7.2	21,473	580	998	2,067	17,829
16 to 19 years .....	6,643	4,134	82.2	3,403	730	17.7	2,510	77	430	27	1,976
16 to 17 years .....	3,373	1,735	51.5	1,410	325	18.7	1,838	52	235	5	1,346
18 to 19 years .....	3,270	2,398	73.3	1,993	405	16.9	872	25	195	22	630
20 to 24 years .....	8,718	7,579	86.9	6,794	785	10.4	1,139	24	321	78	719
25 to 54 years .....	53,421	49,799	93.2	46,727	3,072	8.2	3,622	266	239	1,048	2,070
25 to 34 years .....	20,568	19,341	94.0	17,924	1,417	7.3	1,228	97	145	255	731
25 to 29 years .....	9,832	8,998	93.4	8,333	863	7.4	636	47	104	122	364
30 to 34 years .....	10,936	10,345	94.6	9,591	754	7.3	592	51	41	133	387
35 to 44 years .....	19,402	18,248	94.1	17,240	1,009	5.5	1,154	113	77	347	618
35 to 39 years .....	10,355	9,772	94.4	9,172	599	8.1	584	64	43	166	311
40 to 44 years .....	9,047	8,477	93.7	8,068	409	4.8	570	49	34	181	308
45 to 54 years .....	13,451	12,210	90.8	11,564	647	5.3	1,240	55	17	446	722
45 to 49 years .....	7,509	6,919	92.1	6,566	353	5.1	590	24	11	234	321
50 to 54 years .....	5,942	5,292	89.1	4,998	294	5.6	650	31	6	212	401
55 to 64 years .....	10,001	6,830	68.3	6,253	377	5.7	3,371	49	5	461	2,856
55 to 59 years .....	5,084	4,018	79.0	3,802	218	5.4	1,068	22	3	259	782
60 to 64 years .....	4,916	2,611	53.1	2,451	161	8.1	2,305	26	2	202	2,075
65 years and over .....	12,870	2,038	15.8	1,975	64	3.1	10,832	165	3	456	10,208
65 to 69 years .....	4,552	1,143	25.1	1,100	43	3.8	3,409	45	3	113	3,248
70 to 74 years .....	3,892	538	14.6	525	13	2.4	3,154	43	-	116	2,995
75 years and over .....	4,626	357	7.7	349	7	2.1	4,269	76	-	227	3,966
<b>Women</b>											
16 years and over .....	100,137	58,293	58.2	53,931	4,362	7.5	41,844	24,398	1,118	1,734	14,594
16 to 19 years .....	6,502	3,668	56.4	3,113	555	15.1	2,834	561	420	8	1,825
16 to 17 years .....	3,235	1,516	46.9	1,288	248	16.4	1,719	268	214	1	1,235
18 to 19 years .....	3,267	2,151	65.9	1,845	307	14.3	1,115	313	205	7	590
20 to 24 years .....	9,082	8,681	73.8	5,935	746	11.2	2,401	1,333	340	44	885
25 to 54 years .....	55,599	41,322	74.3	38,615	2,707	6.6	14,276	11,059	352	609	2,257
25 to 34 years .....	21,237	15,628	73.6	14,368	1,237	7.9	5,612	4,481	213	114	804
25 to 29 years .....	9,966	7,380	73.7	6,750	610	8.3	2,626	2,097	110	43	376
30 to 34 years .....	11,251	8,285	73.5	7,638	627	7.6	2,986	2,384	102	71	428
35 to 44 years .....	20,096	15,303	76.1	14,351	952	6.2	4,793	3,665	113	205	810
35 to 39 years .....	10,836	7,994	75.2	7,439	555	6.9	2,642	2,054	67	100	421
40 to 44 years .....	9,460	7,309	77.3	6,912	397	5.4	2,151	1,811	48	105	389
45 to 54 years .....	14,285	10,393	72.9	9,875	518	5.0	3,872	2,912	26	290	643
45 to 49 years .....	7,897	5,992	75.9	5,898	295	4.9	1,904	1,430	20	123	331
50 to 54 years .....	6,368	4,401	69.1	4,177	224	5.1	1,967	1,482	6	167	313
55 to 64 years .....	11,087	5,195	46.9	4,911	264	5.5	5,892	3,665	7	332	1,890
55 to 59 years .....	5,531	3,199	57.8	3,029	170	5.3	2,333	1,652	7	150	524
60 to 64 years .....	5,555	1,996	35.9	1,882	114	5.7	3,560	2,013	-	182	1,366
65 years and over .....	17,867	1,428	8.0	1,358	70	4.9	16,440	7,760	-	742	7,938
65 to 69 years .....	5,420	857	15.8	816	41	4.7	4,563	2,334	1	140	2,088
70 to 74 years .....	4,776	376	7.9	353	23	8.0	4,400	2,106	-	149	2,144
75 years and over .....	7,672	195	2.5	188	7	3.5	7,477	3,319	-	453	3,705

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	August 1992										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>WHITE</b>											
16 years and over .....	162,791	109,497	67.3	102,501	6,996	6.4	53,294	21,478	1,410	2,863	27,543
16 to 19 years .....	10,483	8,554	62.5	5,646	908	13.9	3,929	476	596	20	2,837
16 to 17 years .....	5,278	2,770	52.5	2,333	436	15.8	2,506	239	314	3	1,952
18 to 19 years .....	5,205	3,783	72.7	3,313	470	12.4	1,422	237	282	17	885
20 to 24 years .....	14,524	11,994	82.6	10,943	1,052	8.8	2,530	1,002	426	96	1,005
25 to 54 years .....	92,074	77,520	84.2	73,162	4,359	5.6	14,554	9,519	375	1,220	3,440
25 to 34 years .....	34,794	29,357	84.4	27,450	1,907	6.5	5,437	3,758	230	258	1,191
25 to 29 years .....	16,251	13,761	84.7	12,853	908	6.8	2,490	1,706	129	109	546
30 to 34 years .....	18,543	15,596	84.1	14,597	999	6.4	2,947	2,052	100	150	645
35 to 44 years .....	33,478	28,609	85.5	27,092	1,517	5.3	4,869	3,220	116	391	1,142
35 to 39 years .....	17,698	15,057	85.1	14,191	865	5.7	2,641	1,801	67	191	582
40 to 44 years .....	15,780	13,553	85.9	12,901	652	4.8	2,228	1,418	49	200	560
45 to 54 years .....	23,802	19,554	82.2	18,620	935	4.6	4,248	2,542	30	570	1,107
45 to 49 years .....	13,296	11,207	84.3	10,890	517	4.6	2,089	1,259	21	282	527
50 to 54 years .....	10,506	8,347	79.5	7,929	418	5.0	2,159	1,283	9	288	579
55 to 64 years .....	18,229	10,305	56.5	9,750	555	5.4	7,924	3,243	9	579	4,093
55 to 59 years .....	9,106	6,268	68.8	5,945	323	5.1	2,838	1,459	7	281	1,091
60 to 64 years .....	9,123	4,037	44.2	3,805	232	5.7	5,086	1,784	2	297	3,002
65 years and over .....	27,481	3,124	11.4	3,001	123	3.9	24,357	7,237	3	948	16,169
65 to 69 years .....	8,868	1,796	20.3	1,717	79	4.4	7,072	2,159	3	198	4,711
70 to 74 years .....	7,512	827	11.0	796	30	3.7	6,685	1,951	-	199	4,535
75 years and over .....	11,101	501	4.5	487	14	2.8	10,600	3,126	-	551	6,923
<b>Men</b>											
16 years and over .....	78,425	60,578	77.2	56,797	3,781	6.2	17,847	399	682	1,579	15,168
16 to 19 years .....	5,311	3,485	65.6	2,966	518	14.9	1,826	42	303	12	1,469
16 to 17 years .....	2,705	1,501	55.5	1,254	247	16.5	1,204	34	160	2	1,008
18 to 19 years .....	2,606	1,984	76.1	1,713	271	13.7	623	8	143	10	462
20 to 24 years .....	7,158	8,346	88.7	5,817	529	8.3	812	14	228	57	513
25 to 54 years .....	45,706	43,043	94.2	40,677	2,366	5.5	2,663	166	143	785	1,569
25 to 34 years .....	17,355	16,477	94.9	15,430	1,047	6.4	878	62	91	176	547
25 to 29 years .....	8,080	7,656	94.8	7,177	479	6.3	424	27	64	76	257
30 to 34 years .....	9,275	8,821	95.1	8,252	569	6.4	454	35	27	103	290
35 to 44 years .....	16,861	15,827	95.0	15,023	804	5.1	834	73	44	256	461
35 to 39 years .....	8,837	8,415	95.2	7,955	460	5.5	422	43	22	125	232
40 to 44 years .....	7,823	7,412	94.7	7,068	343	4.6	412	30	22	131	229
45 to 54 years .....	11,691	10,740	91.9	10,224	515	4.8	951	31	8	350	562
45 to 49 years .....	6,552	6,110	93.3	5,827	282	4.6	442	15	5	179	243
50 to 54 years .....	5,139	4,630	90.1	4,397	233	5.0	509	15	3	171	319
55 to 64 years .....	8,713	5,848	67.1	5,535	313	5.3	2,865	46	5	344	2,470
55 to 59 years .....	4,388	3,536	80.6	3,355	180	5.1	852	22	3	175	652
60 to 64 years .....	4,325	2,312	53.5	2,180	133	5.7	2,013	24	2	169	1,817
65 years and over .....	11,537	1,856	16.1	1,801	55	2.9	9,682	131	3	380	9,167
65 to 69 years .....	4,052	1,040	25.7	1,002	38	3.7	3,012	30	3	94	2,884
70 to 74 years .....	3,320	491	14.8	482	9	1.9	2,829	38	-	94	2,697
75 years and over .....	4,166	325	7.8	317	7	2.2	3,841	63	-	192	3,586
<b>Women</b>											
16 years and over .....	64,365	48,919	58.0	45,704	3,215	6.6	35,446	21,079	728	1,284	12,355
16 to 19 years .....	5,172	3,069	59.3	2,679	390	12.7	2,103	434	293	8	1,368
16 to 17 years .....	2,573	1,269	49.3	1,079	190	15.0	1,304	205	154	1	944
18 to 19 years .....	2,599	1,800	69.3	1,601	199	11.1	799	229	140	7	423
20 to 24 years .....	7,366	5,848	76.7	5,125	523	9.3	1,718	988	199	40	492
25 to 54 years .....	48,368	34,477	74.4	32,485	1,993	5.8	11,891	9,354	232	435	1,871
25 to 34 years .....	17,439	12,880	73.9	12,021	860	6.7	4,559	3,696	139	80	644
25 to 29 years .....	8,172	6,105	74.7	5,678	429	7.0	2,066	1,679	65	33	289
30 to 34 years .....	9,268	6,775	73.1	6,345	431	6.4	2,493	2,017	74	47	355
35 to 44 years .....	16,818	12,782	76.0	12,069	714	5.6	4,035	3,147	72	135	682
35 to 39 years .....	8,861	6,641	75.0	6,236	405	6.1	2,219	1,759	45	68	350
40 to 44 years .....	7,957	6,141	77.2	5,833	308	5.0	1,816	1,388	27	69	332
45 to 54 years .....	12,111	8,815	72.8	8,395	419	4.8	3,297	2,511	21	220	545
45 to 49 years .....	6,744	5,097	75.6	4,863	235	4.6	1,647	1,244	16	103	285
50 to 54 years .....	5,367	3,717	69.3	3,533	185	5.0	1,650	1,267	6	117	260
55 to 64 years .....	9,515	4,457	46.8	4,215	242	5.4	5,059	3,197	4	234	1,623
55 to 59 years .....	4,718	2,733	57.9	2,590	143	5.2	1,985	1,437	4	106	438
60 to 64 years .....	4,798	1,724	35.9	1,625	99	5.8	3,073	1,761	-	128	1,185
65 years and over .....	15,943	1,268	8.0	1,200	68	5.4	14,675	7,106	1	567	7,002
65 to 69 years .....	4,817	756	15.7	716	41	5.4	4,060	2,129	1	104	1,827
70 to 74 years .....	4,192	335	8.0	314	21	6.3	3,858	1,914	-	105	1,837
75 years and over .....	6,935	177	2.5	170	7	3.9	6,759	3,063	-	358	3,337

**HOUSEHOLD DATA**  
**NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	August 1992										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force						
<b>BLACK</b>											
16 years and over .....	21,997	14,302	65.0	12,307	1,995	14.0	7,694	2,553	431	832	3,878
16 to 19 years .....	2,072	962	46.4	647	315	32.7	1,110	145	175	15	776
16 to 17 years .....	1,050	376	35.8	261	115	30.6	673	68	95	3	507
18 to 19 years .....	1,023	586	57.3	386	200	34.1	437	77	79	12	268
20 to 24 years .....	2,524	1,760	69.7	1,345	415	23.6	764	292	144	23	305
25 to 54 years .....	12,597	10,155	80.6	8,984	1,171	11.5	2,443	1,221	110	386	725
25 to 34 years .....	5,291	4,262	80.5	3,623	638	15.0	1,029	596	51	95	288
25 to 29 years .....	2,557	1,978	77.4	1,665	314	15.9	579	335	30	44	170
30 to 34 years .....	2,734	2,283	83.5	1,959	325	14.2	451	261	20	52	118
35 to 44 years .....	4,475	3,689	82.4	3,336	354	9.6	786	361	53	148	224
35 to 39 years .....	2,458	2,033	82.7	1,804	229	11.3	425	209	32	69	115
40 to 44 years .....	2,017	1,656	82.1	1,532	125	7.5	361	152	21	78	109
45 to 54 years .....	2,831	2,204	77.8	2,024	179	8.1	627	264	7	143	214
45 to 49 years .....	1,518	1,228	80.9	1,124	104	8.5	291	117	4	57	113
50 to 54 years .....	1,313	976	74.3	901	75	7.7	337	147	3	86	101
55 to 64 years .....	2,175	1,142	52.5	1,056	87	7.6	1,033	329	2	186	516
55 to 59 years .....	1,149	711	61.9	657	54	7.6	438	155	2	115	166
60 to 64 years .....	1,026	431	42.0	399	33	7.5	595	173	-	71	350
65 years and over .....	2,628	284	10.8	276	7	2.6	2,344	567	-	222	1,555
65 to 69 years .....	870	162	18.6	159	3	1.6	708	178	-	50	481
70 to 74 years .....	794	73	9.2	68	5	( <sup>1</sup> )	721	168	-	57	496
75 years and over .....	963	48	5.0	49	-	( <sup>1</sup> )	915	222	-	115	579
<b>Men</b>											
16 years and over .....	9,907	7,050	71.2	6,021	1,028	14.6	2,857	142	177	438	2,100
16 to 19 years .....	1,030	500	48.6	320	180	36.1	529	24	88	15	402
16 to 17 years .....	530	186	35.0	119	67	36.1	345	12	53	3	276
18 to 19 years .....	499	315	63.1	201	113	36.0	184	12	35	12	126
20 to 24 years .....	1,188	950	79.9	732	218	23.0	238	6	54	19	159
25 to 54 years .....	5,640	4,880	86.5	4,308	572	11.7	760	82	35	227	417
25 to 34 years .....	2,380	2,116	88.9	1,809	307	14.5	263	33	12	65	154
25 to 29 years .....	1,140	983	86.2	829	154	15.6	157	19	8	37	94
30 to 34 years .....	1,240	1,134	91.4	980	154	13.6	107	14	4	28	60
35 to 44 years .....	2,008	1,739	86.6	1,584	155	8.9	269	30	19	84	135
35 to 39 years .....	1,106	974	88.1	868	106	10.9	132	14	11	37	69
40 to 44 years .....	902	765	84.8	716	49	6.4	137	16	8	47	66
45 to 54 years .....	1,253	1,025	81.8	915	110	10.7	228	19	4	77	127
45 to 49 years .....	673	561	83.3	498	63	11.2	113	8	1	38	65
50 to 54 years .....	580	464	80.1	417	47	10.1	115	11	3	39	63
55 to 64 years .....	982	572	58.3	521	52	9.0	410	-	-	104	306
55 to 59 years .....	529	347	65.6	318	29	8.3	182	-	-	78	105
60 to 64 years .....	453	225	49.7	203	23	10.1	228	1	-	26	201
65 years and over .....	1,066	147	13.8	141	6	4.0	919	30	-	73	816
65 to 69 years .....	396	80	20.1	77	2	3.0	316	12	-	18	286
70 to 74 years .....	308	37	12.0	39	4	( <sup>1</sup> )	271	6	-	21	244
75 years and over .....	363	30	8.3	30	-	( <sup>1</sup> )	332	12	-	34	287
<b>Women</b>											
16 years and over .....	12,090	7,253	60.0	6,286	967	13.3	4,837	2,411	254	394	1,778
16 to 19 years .....	1,043	462	44.3	327	134	29.1	581	121	86	-	374
16 to 17 years .....	519	191	36.7	142	48	25.3	329	56	42	-	231
18 to 19 years .....	523	271	51.8	185	86	31.8	252	65	44	-	143
20 to 24 years .....	1,336	810	60.6	613	197	24.4	526	285	91	4	146
25 to 54 years .....	6,957	5,274	75.8	4,676	599	11.4	1,683	1,139	76	159	309
25 to 34 years .....	2,911	2,145	73.7	1,814	331	15.4	766	563	39	30	134
25 to 29 years .....	1,418	996	70.2	835	160	16.1	422	316	23	6	76
30 to 34 years .....	1,494	1,149	77.0	979	171	14.9	344	247	16	24	57
35 to 44 years .....	2,467	1,951	79.1	1,752	199	10.2	517	331	34	63	89
35 to 39 years .....	1,352	1,059	78.3	936	123	11.6	293	194	20	32	46
40 to 44 years .....	1,115	892	80.0	816	76	8.5	223	137	14	31	42
45 to 54 years .....	1,578	1,179	74.7	1,110	69	5.9	400	245	2	66	86
45 to 49 years .....	845	667	78.9	626	41	6.1	178	109	3	18	48
50 to 54 years .....	733	512	69.8	483	28	5.5	222	136	-	47	39
55 to 64 years .....	1,193	570	47.8	535	35	6.1	623	329	2	82	210
55 to 59 years .....	620	364	58.7	339	25	6.9	256	156	2	37	61
60 to 64 years .....	573	206	35.9	196	10	4.8	367	173	-	45	149
65 years and over .....	1,561	137	8.7	135	2	1.1	1,425	537	-	149	739
65 to 69 years .....	475	82	17.3	82	-	.2	392	165	-	32	195
70 to 74 years .....	486	36	7.4	35	2	( <sup>1</sup> )	450	162	-	36	252
75 years and over .....	601	18	3.0	18	-	( <sup>1</sup> )	583	210	-	81	292

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age and sex	August 1992								
	Civilian noninstitutional population	Civilian labor force							Not in labor force
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>TOTAL</b>									
16 years and over .....	28,999	18,975	65.4	16,581	286	16,295	2,394	12.6	10,023
16 to 19 years .....	2,662	1,248	48.9	871	24	847	377	30.2	1,414
16 to 17 years .....	1,330	482	36.2	346	9	337	135	28.1	848
18 to 19 years .....	1,332	766	57.5	525	15	510	242	31.5	588
20 to 24 years .....	3,275	2,265	69.2	1,785	26	1,760	480	21.2	1,010
25 to 54 years .....	16,945	13,601	80.3	12,180	193	11,987	1,421	10.4	3,344
25 to 34 years .....	7,012	5,609	80.0	4,862	86	4,775	747	13.3	1,403
25 to 29 years .....	3,367	2,595	77.1	2,230	35	2,194	365	14.1	772
30 to 34 years .....	3,645	3,014	82.7	2,632	51	2,581	382	12.7	631
35 to 44 years .....	6,020	4,942	82.1	4,499	67	4,432	443	9.0	1,078
35 to 39 years .....	3,294	2,709	82.3	2,420	32	2,388	289	10.7	585
40 to 44 years .....	2,726	2,233	81.9	2,079	35	2,044	154	6.9	493
45 to 54 years .....	3,914	3,050	77.9	2,819	39	2,780	231	7.6	864
45 to 49 years .....	2,109	1,704	80.8	1,574	23	1,551	130	7.8	405
50 to 54 years .....	1,805	1,346	74.6	1,246	16	1,229	100	7.5	459
55 to 64 years .....	2,859	1,519	53.1	1,413	25	1,388	106	7.0	1,340
55 to 59 years .....	1,510	949	62.9	886	8	878	63	8.7	561
60 to 64 years .....	1,349	570	42.3	527	17	510	43	7.5	779
65 years and over .....	3,257	342	10.5	331	19	313	10	3.0	2,915
65 to 69 years .....	1,104	204	18.5	199	13	186	5	2.5	900
70 to 74 years .....	956	87	9.1	82	5	77	5	6.0	869
75 years and over .....	1,197	50	4.2	50	1	49	-	( <sup>1</sup> )	1,147
<b>Men</b>									
16 years and over .....	13,228	9,602	72.8	8,354	252	8,102	1,247	13.0	3,626
16 to 19 years .....	1,332	649	48.7	437	22	415	212	32.7	683
16 to 17 years .....	668	234	35.1	157	9	148	78	33.2	434
18 to 19 years .....	664	415	62.4	280	13	267	134	32.4	250
20 to 24 years .....	1,560	1,233	79.0	976	26	950	256	20.8	327
25 to 54 years .....	7,715	6,756	87.8	6,050	168	5,882	706	10.5	959
25 to 34 years .....	3,214	2,864	89.1	2,494	76	2,418	370	12.9	350
25 to 29 years .....	1,552	1,340	86.3	1,156	34	1,121	184	13.7	213
30 to 34 years .....	1,661	1,524	91.7	1,338	41	1,297	186	12.2	137
35 to 44 years .....	2,741	2,421	88.3	2,216	57	2,159	205	8.5	320
35 to 39 years .....	1,518	1,356	89.3	1,217	25	1,192	139	10.3	162
40 to 44 years .....	1,223	1,065	87.1	999	32	967	66	6.2	158
45 to 54 years .....	1,760	1,471	83.6	1,339	34	1,305	132	8.9	289
45 to 49 years .....	957	809	84.5	738	19	719	70	8.7	148
50 to 54 years .....	803	682	82.4	601	15	586	61	9.2	141
55 to 64 years .....	1,287	782	60.7	717	18	699	64	8.2	506
55 to 59 years .....	696	483	69.3	447	7	440	36	7.5	213
60 to 64 years .....	591	299	50.5	271	11	259	28	9.4	292
65 years and over .....	1,333	182	13.7	174	18	156	9	4.8	1,151
65 to 69 years .....	500	103	20.7	98	12	86	5	4.7	397
70 to 74 years .....	372	47	12.6	43	4	39	4	( <sup>1</sup> )	325
75 years and over .....	461	32	7.0	32	1	31	-	( <sup>1</sup> )	428
<b>Women</b>									
16 years and over .....	15,771	9,374	59.4	8,227	34	8,193	1,147	12.2	6,398
16 to 19 years .....	1,330	599	45.0	434	1	432	165	27.6	731
16 to 17 years .....	662	247	37.3	190	-	190	58	23.3	415
18 to 19 years .....	668	352	52.6	244	2	243	107	30.6	316
20 to 24 years .....	1,715	1,033	60.2	809	-	810	224	21.6	663
25 to 54 years .....	9,230	6,845	74.2	6,130	25	6,105	715	10.4	2,385
25 to 34 years .....	3,798	2,745	72.3	2,388	11	2,357	378	13.8	1,053
25 to 29 years .....	1,814	1,255	69.2	1,074	1	1,073	181	14.4	559
30 to 34 years .....	1,984	1,490	75.1	1,294	10	1,284	197	13.2	493
35 to 44 years .....	3,279	2,521	76.9	2,283	10	2,273	238	9.4	758
35 to 39 years .....	1,776	1,353	76.2	1,203	7	1,196	150	11.1	423
40 to 44 years .....	1,503	1,166	77.7	1,080	3	1,077	89	7.6	335
45 to 54 years .....	2,154	1,579	73.3	1,480	5	1,475	99	6.3	575
45 to 49 years .....	1,152	895	77.7	835	4	831	60	6.7	257
50 to 54 years .....	1,001	684	68.3	645	1	644	39	5.7	317
55 to 64 years .....	1,572	738	46.9	696	7	689	42	5.7	834
55 to 59 years .....	814	466	57.3	439	1	438	27	5.8	347
60 to 64 years .....	758	271	35.8	257	6	251	15	5.5	486
65 years and over .....	1,924	159	8.3	158	1	157	2	1.0	1,765
65 to 69 years .....	603	101	16.7	101	1	100	-	.1	503
70 to 74 years .....	584	40	6.9	39	-	39	1	( <sup>1</sup> )	544
75 years and over .....	737	18	2.5	18	-	18	-	( <sup>1</sup> )	718

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

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

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992
<b>TOTAL</b>								
Civilian noninstitutional population .....	189,973	191,790	83,940	85,010	92,720	93,635	13,313	13,145
Civilian labor force .....	126,097	128,473	65,031	66,046	53,382	54,625	7,683	7,801
Percent of population .....	66.4	67.0	77.5	77.7	57.6	58.3	57.7	59.3
Employed .....	117,859	119,082	61,261	61,748	50,117	50,818	6,482	6,517
Agriculture .....	3,607	3,561	2,547	2,539	682	655	377	367
Nonagricultural industries .....	114,253	115,522	58,714	59,209	49,434	50,163	6,105	6,150
Unemployed .....	8,237	9,390	3,770	4,298	3,266	3,807	1,202	1,285
Unemployment rate .....	6.5	7.3	5.8	6.5	6.1	7.0	15.6	16.5
Not in labor force .....	63,877	63,317	18,909	18,964	39,338	39,010	5,630	5,344
<b>White</b>								
Civilian noninstitutional population .....	161,642	162,791	72,376	73,115	78,621	79,193	10,645	10,483
Civilian labor force .....	108,079	109,497	56,414	57,093	45,061	45,850	6,604	6,554
Percent of population .....	66.9	67.3	77.9	78.1	57.3	57.9	62.0	62.5
Employed .....	101,805	102,501	53,463	53,831	42,611	43,025	5,731	5,646
Agriculture .....	3,365	3,275	2,365	2,309	650	623	350	343
Nonagricultural industries .....	98,440	99,226	51,098	51,522	41,961	42,402	5,381	5,303
Unemployed .....	6,273	6,996	2,950	3,263	2,450	2,825	873	908
Unemployment rate .....	5.8	6.4	5.2	5.7	5.4	6.2	13.2	13.9
Not in labor force .....	53,563	53,294	15,962	16,021	33,560	33,343	4,041	3,929
<b>Black</b>								
Civilian noninstitutional population .....	21,655	21,997	8,699	8,877	10,864	11,047	2,092	2,072
Civilian labor force .....	13,629	14,302	6,340	6,549	6,458	6,791	832	962
Percent of population .....	62.9	65.0	72.9	73.8	59.4	61.5	39.7	46.4
Employed .....	11,971	12,307	5,655	5,701	5,764	5,958	553	647
Agriculture .....	156	191	120	159	16	14	20	18
Nonagricultural industries .....	11,816	12,116	5,534	5,542	5,748	5,945	534	629
Unemployed .....	1,658	1,995	685	848	694	833	278	315
Unemployment rate .....	12.2	14.0	10.8	12.9	10.7	12.3	33.5	32.7
Not in labor force .....	8,026	7,694	2,359	2,328	4,406	4,256	1,261	1,110

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	August 1992									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			
				Total	Full time <sup>1</sup>	Part time <sup>1</sup>	Total	Looking for full-time work	Looking for part-time work	Percent of labor force
<b>TOTAL ENROLLED</b>										
Total, 16 to 24 years .....	3,731	2,034	54.5	1,789	762	1,007	265	83	182	13.0
16 to 19 years .....	1,752	806	46.0	649	214	435	157	32	125	19.5
20 to 24 years .....	1,979	1,228	62.1	1,121	548	573	108	50	57	8.8
High school .....	980	398	40.6	262	64	198	136	31	105	34.2
College .....	2,751	1,636	59.5	1,508	698	809	129	52	77	7.9
Full-time students .....	2,094	1,103	52.7	1,006	411	595	98	35	62	8.9
Part-time students .....	657	533	81.2	502	288	214	31	16	15	5.8
Men, 16 to 24 years .....	1,767	920	52.1	773	382	391	147	31	116	16.0
16 to 19 years .....	832	361	43.4	267	109	157	95	9	86	26.2
20 to 24 years .....	934	559	59.8	506	272	234	53	22	30	9.4
High school .....	500	197	39.4	120	40	80	77	9	68	39.1
College .....	1,267	723	57.1	653	341	311	70	22	48	9.7
Full-time students .....	978	489	50.0	436	200	235	54	15	39	11.0
Part-time students .....	289	234	80.9	217	141	76	16	7	9	7.0
Women, 16 to 24 years .....	1,965	1,114	56.7	997	380	616	117	52	65	10.5
16 to 19 years .....	920	444	48.3	382	105	277	62	24	39	14.0
20 to 24 years .....	1,045	670	64.1	615	276	339	55	28	27	8.2
High school .....	480	201	41.7	142	23	118	59	22	37	29.4
College .....	1,484	913	61.5	855	357	498	58	30	29	6.4
Full-time students .....	1,116	614	55.0	570	210	360	44	20	23	7.1
Part-time students .....	368	299	81.4	285	147	138	15	9	5	4.9
<b>White</b>										
Total, 16 to 24 years .....	2,907	1,706	58.7	1,526	670	857	180	52	127	10.5
16 to 19 years .....	1,362	672	49.3	568	191	377	104	22	82	15.5
20 to 24 years .....	1,545	1,034	66.9	958	479	480	76	30	45	7.3
Men .....	1,401	781	55.8	674	337	336	108	20	88	13.8
Women .....	1,506	925	61.4	853	332	521	72	32	40	7.8
High school .....	739	311	42.0	222	55	167	89	20	68	28.5
College .....	2,168	1,395	64.4	1,304	614	690	91	32	59	6.5
Full-time students .....	1,618	937	57.9	689	362	507	68	20	48	7.2
Part-time students .....	549	458	83.4	435	253	182	23	13	11	5.1
<b>Black</b>										
Total, 16 to 24 years .....	557	216	38.8	157	67	90	59	21	38	27.2
16 to 19 years .....	277	87	31.3	51	17	34	35	7	29	41.0
20 to 24 years .....	280	130	46.3	106	50	57	23	14	9	18.0
Men .....	238	88	37.0	62	35	27	27	6	21	30.1
Women .....	318	128	40.2	96	32	64	32	15	17	25.2
High school .....	188	63	33.4	29	8	21	34	9	24	53.8
College .....	369	153	41.6	128	59	69	25	12	14	16.3
Full-time students .....	293	101	34.5	83	30	53	19	8	11	18.4
Part-time students .....	76	52	68.9	46	29	17	6	4	3	( <sup>2</sup> )
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	406	192	47.2	150	64	86	42	21	21	21.9
16 to 19 years .....	262	91	34.8	61	21	40	31	13	18	33.6
20 to 24 years .....	144	101	69.6	89	43	46	11	8	3	11.3
Men .....	184	92	49.9	75	39	36	17	4	13	18.3
Women .....	222	100	44.9	75	25	49	25	17	8	25.2
High school .....	215	74	34.4	42	15	27	32	15	17	( <sup>2</sup> )
College .....	192	118	61.6	108	49	59	10	6	4	8.5
Full-time students .....	108	60	55.2	54	19	35	6	2	3	( <sup>2</sup> )
Part-time students .....	84	59	69.7	54	30	24	4	3	1	( <sup>2</sup> )

See footnotes at end of table.



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	August 1992									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			
				Total	Full time <sup>1</sup>	Part time <sup>1</sup>	Total	Looking for full-time work	Looking for part-time work	Percent of labor force
<b>TOTAL NOT ENROLLED</b>										
Total, 16 to 24 years .....	27,213	20,027	73.6	17,476	12,259	5,217	2,552	1,837	715	12.7
16 to 19 years .....	11,393	8,996	61.4	5,868	2,707	3,161	1,128	590	538	16.1
20 to 24 years .....	15,820	13,031	82.4	11,607	9,552	2,055	1,424	1,247	177	10.9
Less than a high school diploma .....	9,475	5,337	56.3	4,224	2,147	2,077	1,113	667	446	20.9
High school graduates, no college .....	8,686	6,962	80.2	6,089	4,651	1,438	874	742	132	12.6
Less than a bachelors degree .....	7,236	6,066	83.8	5,641	4,142	1,498	425	312	113	7.0
College graduates .....	1,816	1,662	91.5	1,522	1,319	203	139	115	24	8.4
Men, 16 to 24 years .....	13,594	10,793	79.4	9,424	7,003	2,421	1,368	1,020	348	12.7
16 to 19 years .....	5,811	3,772	64.9	3,137	1,600	1,537	635	360	278	16.8
20 to 24 years .....	7,783	7,020	90.2	6,288	5,403	885	733	660	73	10.4
Less than a high school diploma .....	5,010	3,249	64.8	2,607	1,522	1,085	641	405	237	19.7
High school graduates, no college .....	4,375	3,844	87.9	3,363	2,716	647	481	425	55	12.5
Less than a bachelors degree .....	3,417	2,979	87.2	2,800	2,176	624	179	136	43	6.0
College graduates .....	792	721	91.1	653	588	65	67	54	14	9.4
Women, 16 to 24 years .....	13,619	9,235	67.8	8,051	5,258	2,795	1,184	817	366	12.8
16 to 19 years .....	5,582	3,224	57.8	2,731	1,107	1,625	492	230	262	15.3
20 to 24 years .....	8,037	6,011	74.8	5,320	4,149	1,171	691	587	104	11.5
Less than a high school diploma .....	4,465	2,089	46.8	1,617	625	992	472	263	209	22.6
High school graduates, no college .....	4,311	3,118	72.3	2,725	1,934	791	393	317	76	12.6
Less than a bachelors degree .....	3,819	3,087	80.8	2,840	1,966	874	247	176	71	8.0
College graduates .....	1,025	941	91.8	869	731	138	72	62	10	7.6
<b>White</b>										
Total, 16 to 24 years .....	22,100	16,842	76.2	15,062	10,653	4,409	1,780	1,226	554	10.6
16 to 19 years .....	9,121	5,882	64.5	5,078	2,365	2,713	804	381	423	13.7
20 to 24 years .....	12,979	10,960	84.4	9,984	8,288	1,696	976	845	131	8.9
Men .....	11,068	9,050	81.8	8,110	6,086	2,024	940	662	277	10.4
Women .....	11,032	7,792	70.6	6,952	4,568	2,384	840	564	276	10.8
Less than a high school diploma .....	7,439	4,385	58.9	3,594	1,811	1,783	791	440	351	18.0
High school graduates, no college .....	6,930	5,721	82.6	5,145	3,985	1,160	576	478	98	10.1
Less than a bachelors degree .....	6,088	5,222	85.8	4,932	3,652	1,280	290	206	84	5.8
College graduates .....	1,643	1,514	92.2	1,391	1,205	186	123	103	20	8.1
<b>Black</b>										
Total, 16 to 24 years .....	4,040	2,506	62.0	1,834	1,217	617	672	539	133	26.8
16 to 19 years .....	1,795	876	48.8	596	261	335	279	184	95	31.9
20 to 24 years .....	2,244	1,630	72.6	1,238	956	282	392	354	38	24.0
Men .....	1,979	1,362	68.8	990	691	299	372	311	61	27.3
Women .....	2,060	1,144	55.5	845	526	318	300	228	71	26.2
Less than a high school diploma .....	1,643	756	46.0	469	243	225	267	203	84	38.0
High school graduates, no college .....	1,455	1,042	71.8	773	541	233	268	239	29	25.8
Less than a bachelors degree .....	856	634	74.1	527	378	149	108	88	19	16.8
College graduates .....	86	75	87.6	85	55	10	10	9	1	13.1
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	3,041	2,011	66.1	1,693	1,265	428	318	260	58	15.8
16 to 19 years .....	1,233	640	51.9	518	270	247	123	85	36	19.2
20 to 24 years .....	1,808	1,371	75.8	1,175	995	180	195	175	21	14.2
Men .....	1,573	1,242	79.0	1,052	619	233	190	158	32	15.3
Women .....	1,469	789	52.4	641	446	195	128	102	26	16.7
Less than a high school diploma .....	1,703	965	57.8	794	578	216	190	150	40	19.3
High school graduates, no college .....	852	641	75.2	558	422	136	83	74	9	12.9
Less than a bachelors degree .....	437	343	78.5	303	232	71	40	34	7	11.8
College graduates .....	49	42	( <sup>2</sup> )	38	33	5	5	2	2	( <sup>2</sup> )

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

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

NOTE: In the summer months, the educational attainment levels of youth not enrolled in school are increased by the temporary movement of high school and college students into that group. Educational attainment levels, beginning January

1992, have been revised to reflect degrees or diplomas received rather than years of school completed. The sum of these categories may not equal totals because of the estimation procedures used. Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	Aug. 1991	Aug. 1992	Total		Employed		Unemployed			
			Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Number		Percent of labor force	
							Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992
<b>VIETNAM-ERA VETERANS</b>										
Total, 35 years and over .....	7,798	7,869	7,075	7,137	6,768	6,744	306	393	4.3	5.5
35 to 49 years .....	6,456	6,224	6,095	5,900	5,822	5,586	273	314	4.5	5.3
35 to 39 years .....	1,128	908	1,057	866	985	813	72	53	6.8	6.2
40 to 44 years .....	3,069	2,627	2,918	2,494	2,807	2,363	111	131	3.8	5.3
45 to 49 years .....	2,259	2,689	2,121	2,540	2,030	2,411	91	129	4.3	5.1
50 years and over .....	1,342	1,645	979	1,236	946	1,157	33	79	3.4	6.4
<b>NONVETERANS</b>										
Total, 35 to 49 years .....	18,560	19,542	17,272	18,208	16,392	17,221	880	986	5.1	5.4
35 to 39 years .....	8,451	8,811	7,954	8,315	7,541	7,805	413	510	5.2	6.1
40 to 44 years .....	5,914	6,262	5,517	5,836	5,245	5,567	272	270	4.9	4.6
45 to 49 years .....	4,195	4,469	3,801	4,056	3,606	3,849	195	207	5.1	5.1

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	August 1992							
	Employed						Unemployed	
	Full time			Part time			Looking for full-time work	Looking for part-time work
	Total	Full-time schedules <sup>1</sup>	Part time for economic reasons, usually work full time	Total	Voluntary <sup>1</sup>	Part time for economic reasons, usually work part time		
<b>TOTAL</b>								
Total, 16 years and over .....	99,736	97,808	1,928	19,347	14,790	4,557	7,795	1,595
16 to 19 years .....	2,921	2,794	126	3,596	2,586	1,010	622	662
16 to 17 years .....	777	754	24	1,901	1,486	415	142	431
18 to 19 years .....	2,143	2,041	103	1,695	1,100	594	480	232
20 years and over .....	96,815	95,014	1,801	15,751	12,204	3,547	7,173	932
20 to 24 years .....	10,100	9,790	310	2,628	1,801	827	1,298	234
25 years and over .....	86,715	85,224	1,491	13,123	10,403	2,720	5,875	698
25 to 54 years .....	75,906	74,582	1,324	9,435	7,147	2,288	5,248	532
55 years and over .....	10,809	10,642	167	3,687	3,255	432	628	166
<b>Men, 16 years and over</b> .....	<b>58,702</b>	<b>57,560</b>	<b>1,142</b>	<b>6,450</b>	<b>4,349</b>	<b>2,100</b>	<b>4,388</b>	<b>640</b>
16 to 19 years .....	1,710	1,635	74	1,694	1,174	520	368	362
20 years and over .....	56,992	55,925	1,067	4,756	3,176	1,580	4,020	278
20 to 24 years .....	5,675	5,475	200	1,119	709	409	682	103
25 years and over .....	51,317	50,450	867	3,637	2,466	1,171	3,338	175
25 to 54 years .....	44,590	43,812	777	2,137	1,130	1,007	2,970	102
55 years and over .....	6,728	6,638	90	1,500	1,336	164	368	73
<b>Women, 16 years and over</b> .....	<b>41,034</b>	<b>40,248</b>	<b>786</b>	<b>12,897</b>	<b>10,440</b>	<b>2,457</b>	<b>3,407</b>	<b>955</b>
16 to 19 years .....	1,211	1,159	52	1,902	1,413	489	254	301
20 years and over .....	39,823	39,089	734	10,995	9,028	1,967	3,153	654
20 to 24 years .....	4,425	4,315	110	1,509	1,091	418	615	131
25 years and over .....	35,398	34,774	624	9,486	7,937	1,549	2,538	523
25 to 54 years .....	31,317	30,770	547	7,298	6,017	1,281	2,278	430
55 years and over .....	4,081	4,004	77	2,188	1,919	268	260	94
<b>White</b>								
<b>Men, 16 years and over</b> .....	<b>51,389</b>	<b>50,430</b>	<b>959</b>	<b>5,408</b>	<b>3,744</b>	<b>1,664</b>	<b>3,276</b>	<b>505</b>
16 to 19 years .....	1,508	1,443	64	1,459	1,015	443	235	284
20 years and over .....	49,881	48,986	895	3,950	2,729	1,221	3,041	221
20 to 24 years .....	4,915	4,771	145	902	588	334	448	81
25 years and over .....	44,966	44,216	750	3,048	2,161	887	2,593	140
25 to 54 years .....	38,976	38,299	676	1,701	927	774	2,286	80
55 years and over .....	5,990	5,916	74	1,346	1,234	112	307	60
<b>Women, 16 years and over</b> .....	<b>34,357</b>	<b>33,749</b>	<b>608</b>	<b>11,347</b>	<b>9,380</b>	<b>1,967</b>	<b>2,467</b>	<b>749</b>
16 to 19 years .....	1,048	1,003	45	1,631	1,226	405	168	221
20 years and over .....	33,308	32,746	562	9,716	8,155	1,562	2,298	527
20 to 24 years .....	3,851	3,757	95	1,274	936	338	428	95
25 years and over .....	29,457	28,989	468	8,442	7,219	1,224	1,870	432
25 to 54 years .....	25,974	25,564	410	6,511	5,491	1,020	1,648	345
55 years and over .....	3,483	3,425	58	1,932	1,728	204	223	87
<b>Black</b>								
<b>Men, 16 years and over</b> .....	<b>5,225</b>	<b>5,092</b>	<b>133</b>	<b>796</b>	<b>447</b>	<b>349</b>	<b>918</b>	<b>110</b>
16 to 19 years .....	152	146	6	168	107	62	116	64
20 years and over .....	5,073	4,946	127	628	340	288	802	46
20 to 24 years .....	574	533	41	157	93	64	200	18
25 years and over .....	4,499	4,413	86	471	247	224	601	28
25 to 54 years .....	3,970	3,899	71	338	159	178	556	17
55 years and over .....	529	514	15	133	87	46	46	12
<b>Women, 16 years and over</b> .....	<b>5,141</b>	<b>5,002</b>	<b>139</b>	<b>1,145</b>	<b>746</b>	<b>399</b>	<b>805</b>	<b>162</b>
16 to 19 years .....	127	123	4	201	140	60	75	60
20 years and over .....	5,015	4,879	135	944	605	339	731	102
20 to 24 years .....	432	417	15	181	112	69	168	29
25 years and over .....	4,583	4,462	121	763	493	269	562	73
25 to 54 years .....	4,114	4,004	110	562	347	215	529	69
55 years and over .....	469	458	11	201	146	54	33	3

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Family relationship	August 1992									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over <sup>1</sup> .....	102,737	67.5	95,212	7,525	7.3	49,477	20,586	1,794	2,670	24,427
Husbands .....	40,300	77.5	38,485	1,815	4.5	11,722	204	98	988	10,432
With employed wife .....	26,467	91.6	25,402	1,065	4.0	2,439	93	50	409	1,886
With unemployed wife .....	1,488	91.1	1,283	205	13.8	146	8	3	23	112
With wife not in labor force .....	12,346	57.5	11,801	545	4.4	9,138	103	45	556	8,434
Wives .....	30,538	58.7	28,905	1,633	5.3	21,484	15,653	150	430	5,250
With employed husband .....	26,685	69.3	25,402	1,283	4.8	11,801	9,983	127	139	1,551
With unemployed husband .....	1,270	70.0	1,065	205	16.1	545	464	7	20	54
With husband not in labor force .....	2,584	22.0	2,439	146	5.6	9,138	5,207	16	271	3,645
Relatives in married-couple families .....	13,919	68.4	12,210	1,708	12.3	6,428	853	968	389	4,218
16 to 19 years .....	5,130	60.5	4,399	731	14.2	3,348	278	568	13	2,488
20 to 24 years .....	5,111	81.3	4,569	542	10.6	1,179	145	338	54	642
25 years and over .....	3,677	65.9	3,242	435	11.8	1,901	430	62	322	1,088
Women who maintain families .....	7,427	63.2	6,590	836	11.3	4,331	2,675	107	278	1,270
Relatives in families maintained by women .....	5,927	61.2	4,937	991	16.7	3,758	847	409	379	2,122
16 to 19 years .....	1,434	51.5	1,082	353	24.6	1,353	156	237	17	943
20 to 24 years .....	1,654	73.2	1,373	280	17.0	606	147	116	39	305
25 years and over .....	2,840	61.2	2,482	358	12.6	1,799	544	56	323	874
Men who maintain families .....	2,571	78.3	2,311	260	10.1	713	38	22	97	556
Relatives in families maintained by men .....	2,054	66.4	1,772	282	13.7	1,041	316	40	109	577
16 to 19 years .....	348	60.0	290	58	16.6	232	29	9	4	191
20 to 24 years .....	492	82.5	425	66	13.5	104	30	12	4	58
25 years and over .....	1,215	63.3	1,057	158	13.0	705	257	19	101	328

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

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992
Total, 16 years and over .....	4,402	5,028	6.4	7.2	3,835	4,362	6.7	7.5
Married, spouse present .....	1,639	2,021	3.9	4.8	1,546	1,746	5.0	5.5
Widowed, divorced, or separated .....	645	689	8.6	8.8	848	997	7.4	8.5
Single (never married) .....	2,119	2,318	10.9	11.6	1,441	1,620	9.8	10.7
White, 16 years and over .....	3,410	3,781	5.7	6.2	2,863	3,215	5.9	6.6
Married, spouse present .....	1,384	1,665	3.7	4.4	1,300	1,466	4.7	5.3
Widowed, divorced, or separated .....	498	517	8.0	8.0	628	763	6.8	8.2
Single (never married) .....	1,528	1,598	9.5	9.8	935	986	8.1	8.4
Black, 16 years and over .....	825	1,028	12.1	14.6	833	967	12.2	13.3
Married, spouse present .....	199	267	6.3	8.3	184	211	7.7	8.5
Widowed, divorced, or separated .....	131	143	12.8	13.0	191	201	10.1	9.9
Single (never married) .....	494	619	18.8	22.5	459	555	17.8	20.3
Total, 25 years and over .....	2,994	3,513	5.2	6.0	2,632	3,061	5.6	6.4
Married, spouse present .....	1,536	1,926	3.8	4.7	1,351	1,569	4.7	5.3
Widowed, divorced, or separated .....	618	657	8.5	8.6	778	930	7.1	8.2
Single (never married) .....	840	929	8.7	9.5	504	562	7.4	8.1
White, 25 years and over .....	2,362	2,734	4.7	5.4	1,971	2,303	5.0	5.7
Married, spouse present .....	1,295	1,584	3.6	4.3	1,140	1,312	4.4	5.0
Widowed, divorced, or separated .....	469	494	7.8	7.9	567	706	6.4	7.8
Single (never married) .....	598	656	7.6	8.3	263	285	5.3	5.6
Black, 25 years and over .....	523	630	9.6	11.2	560	635	9.9	10.6
Married, spouse present .....	186	257	6.1	8.3	153	192	6.8	8.1
Widowed, divorced, or separated .....	132	137	13.1	12.6	184	190	9.9	9.6
Single (never married) .....	205	236	14.6	16.6	224	253	14.2	15.6

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992
Total, 16 years and over .....	8,237	9,390	6.5	7.3	6.4	7.2	6.7	7.5
Managerial and professional specialty .....	1,042	1,173	3.3	3.7	2.8	3.7	3.9	3.6
Executive, administrative, and managerial .....	542	620	3.5	4.1	3.0	4.0	4.4	4.2
Professional specialty .....	500	553	3.1	3.3	2.6	3.4	3.6	3.2
Technical, sales, and administrative support .....	1,956	2,402	5.1	6.1	4.3	5.3	5.6	6.6
Technicians and related support .....	126	170	3.2	3.7	3.4	3.6	3.0	3.8
Sales occupations .....	807	1,041	5.5	7.0	4.1	5.2	6.9	8.8
Administrative support, including clerical .....	1,023	1,191	5.3	6.0	5.2	6.4	5.3	5.9
Service occupations .....	1,242	1,412	7.1	8.0	7.1	8.2	7.1	7.8
Private household .....	43	69	4.6	6.7	( <sup>1</sup> )	( <sup>1</sup> )	4.3	6.7
Protective service .....	91	94	4.1	4.2	4.1	4.1	4.1	5.1
Service, except private household and protective .....	1,108	1,250	7.7	8.6	8.1	9.6	7.4	8.1
Precision production, craft, and repair .....	1,023	1,074	7.1	7.4	7.1	7.2	6.8	9.0
Mechanics and repairers .....	243	233	5.2	4.8	5.2	4.9	3.4	2.1
Construction trades .....	580	548	10.5	9.8	10.4	9.8	16.1	11.1
Other precision production, craft, and repair .....	201	294	4.8	7.0	4.3	6.0	6.4	10.0
Operators, fabricators, and laborers .....	1,782	1,934	9.2	10.0	8.5	9.2	11.1	12.3
Machine operators, assemblers, and inspectors .....	863	887	9.9	10.4	9.1	8.6	11.2	12.9
Transportation and material moving occupations .....	309	393	6.0	7.3	5.7	7.0	9.1	9.9
Handlers, equipment cleaners, helpers, and laborers .....	610	654	11.0	12.0	10.9	12.2	11.5	11.0
Construction laborers .....	122	138	12.1	14.9	12.0	14.7	( <sup>1</sup> )	( <sup>1</sup> )
Other handlers, equipment cleaners, helpers, and laborers .....	489	516	10.8	11.4	10.6	11.5	11.4	10.7
Farming, forestry, and fishing .....	293	293	6.8	6.7	6.6	6.2	7.8	9.2
No previous work experience .....	859	1,047	-	-	-	-	-	-
16 to 19 years .....	565	698	-	-	-	-	-	-
20 to 24 years .....	169	185	-	-	-	-	-	-
25 years and over .....	125	164	-	-	-	-	-	-

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

NOTE: Data for 1992 are not fully comparable with data for prior years

because of the introduction of the occupational classification system used in the 1990 census.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-13. Unemployed persons by industry and sex**

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992
Total, 16 years and over .....	8,237	9,390	6.5	7.3	6.4	7.2	6.7	7.5
Nonagricultural private wage and salary workers .....	6,223	7,162	6.6	7.5	6.6	7.4	6.6	7.5
Mining .....	53	67	6.8	10.3	7.3	10.3	3.7	10.5
Construction .....	716	787	11.6	12.8	11.8	13.0	9.6	11.4
Manufacturing .....	1,468	1,588	6.8	7.5	5.8	6.5	8.8	9.5
Durable goods .....	888	964	7.1	8.0	6.2	7.2	9.4	9.8
Lumber and wood products .....	52	66	7.3	10.0	6.6	8.6	10.1	18.2
Furniture and fixtures .....	75	65	10.2	9.6	11.3	9.2	7.7	10.4
Stone, clay, and glass products .....	31	44	5.0	7.3	4.7	6.5	6.1	10.0
Primary metal industries .....	60	59	7.0	6.7	6.8	6.4	8.2	8.7
Fabricated metal products .....	92	112	7.0	8.8	6.7	8.2	8.0	10.9
Machinery and computing equipment .....	146	170	5.9	7.3	4.6	7.1	10.3	8.1
Electrical machinery, equipment, and supplies .....	116	143	5.8	7.6	4.5	6.0	7.5	9.8
Transportation equipment .....	198	201	8.1	8.2	7.1	7.7	11.2	10.0
Automobiles .....	98	91	8.5	7.3	7.8	7.0	10.9	8.3
Other transportation equipment .....	100	110	7.7	9.1	6.6	8.3	11.4	11.9
Professional and photographic equipment .....	46	40	5.0	4.9	2.0	4.8	9.4	5.0
Other durable goods industries .....	72	64	14.8	12.7	14.1	8.9	16.0	15.9
Nondurable goods .....	581	624	6.5	6.9	5.2	5.2	8.3	9.3
Food and kindred products .....	147	133	8.0	6.7	6.8	5.2	10.2	9.8
Textile mill products .....	50	46	7.0	6.4	4.1	6.0	10.1	6.8
Apparel and other textile products .....	111	125	9.8	11.0	9.6	7.4	9.9	12.2
Paper and allied products .....	43	62	5.9	8.1	3.4	7.1	12.3	11.1
Printing and publishing .....	90	113	4.9	6.3	4.4	4.9	5.7	7.8
Chemicals and allied products .....	61	49	4.3	3.6	4.3	2.6	4.3	5.5
Rubber and miscellaneous plastics products .....	53	64	6.1	7.1	5.1	6.1	8.0	8.9
Other nondurable goods industries .....	26	32	6.6	8.4	5.2	5.4	8.9	15.2
Transportation and public utilities .....	329	330	4.9	4.9	4.7	4.8	5.3	5.3
Transportation .....	224	234	5.7	5.9	5.6	5.7	6.1	6.5
Communications and other public utilities .....	105	96	3.7	3.5	3.1	3.2	4.7	4.1
Wholesale and retail trade .....	1,733	2,170	7.3	8.8	6.8	8.0	7.8	9.6
Wholesale trade .....	264	374	5.6	7.5	5.5	6.6	6.0	9.5
Retail trade .....	1,469	1,796	7.7	9.1	7.3	8.5	8.1	9.6
Finance, insurance, and real estate .....	269	319	3.7	4.4	3.5	4.2	3.9	4.4
Service industries .....	1,654	1,901	6.0	6.5	6.3	7.0	5.7	6.2
Professional services .....	605	711	3.9	4.2	3.3	4.0	4.1	4.2
Other service industries .....	1,049	1,190	8.6	9.7	8.5	9.5	8.7	10.0
Agricultural wage and salary workers .....	215	204	10.1	9.6	9.8	8.9	11.0	12.3
Government, self-employed, and unpaid family workers .....	940	977	3.2	3.3	2.8	3.2	3.7	3.5
No previous work experience .....	859	1,047	-	-	-	-	-	-

NOTE: Data for 1992 are not fully comparable with data for prior years because of the introduction of the industrial classification system used in the 1990 census.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed .....	8,237	9,390	3,770	4,298	3,266	3,807	1,202	1,285	6,273	6,996	1,658	1,995
Job losers .....	4,320	4,996	2,604	2,971	1,449	1,803	267	222	3,353	3,881	827	934
On layoff .....	1,061	1,034	616	619	404	376	41	39	855	879	164	133
Other job losers .....	3,259	3,962	1,988	2,352	1,045	1,428	226	183	2,498	3,002	663	801
Job leavers .....	963	1,109	399	454	409	516	155	139	805	834	139	209
Reentrants .....	2,180	2,325	661	784	1,255	1,286	263	255	1,580	1,659	489	573
New entrants .....	775	959	106	89	152	202	516	668	536	621	204	279
<b>PERCENT DISTRIBUTION</b>												
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	52.4	53.2	69.1	69.1	44.4	47.4	22.2	17.3	53.4	55.5	49.9	46.8
On layoff .....	12.9	11.0	16.3	14.4	12.4	9.9	3.4	3.1	13.6	12.6	9.9	6.7
Other job losers .....	39.6	42.2	52.7	54.7	32.0	37.5	18.8	14.2	39.8	42.9	40.0	40.2
Job leavers .....	11.7	11.8	10.6	10.6	12.5	13.5	12.9	10.8	12.8	11.9	8.4	10.5
Reentrants .....	26.5	24.8	17.5	18.2	38.4	33.8	21.9	19.9	25.2	23.7	29.5	28.7
New entrants .....	9.4	10.2	2.8	2.1	4.7	5.3	43.0	52.0	8.5	8.9	12.3	14.0
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>												
Job losers .....	3.4	3.9	4.0	4.5	2.7	3.3	3.5	2.8	3.1	3.5	6.1	6.5
Job leavers .....	.8	.9	.6	.7	.8	.9	2.0	1.8	.7	.8	1.0	1.5
Reentrants .....	1.7	1.8	1.0	1.2	2.4	2.4	3.4	3.3	1.5	1.5	3.6	4.0
New entrants .....	.6	.7	.2	.1	.3	.4	6.7	8.6	.5	.6	1.5	2.0



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

(Percent distribution)

Reason, sex, and age	August 1992						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over .....	9,390	100.0	34.6	31.2	34.3	12.3	22.0
Job losers .....	4,996	100.0	27.5	27.3	45.1	15.1	30.0
On layoff .....	1,034	100.0	45.3	26.3	28.4	12.3	16.2
Other job losers .....	3,962	100.0	22.9	27.6	49.5	15.8	33.7
Job leavers .....	1,109	100.0	46.3	28.2	25.5	10.9	14.6
Reentrants .....	2,325	100.0	42.1	34.9	23.0	8.9	14.1
New entrants .....	959	100.0	39.6	45.4	15.0	7.4	7.6
Men, 20 years and over .....	4,298	100.0	28.1	28.8	43.2	13.8	29.4
Job losers .....	2,971	100.0	24.7	26.5	48.8	15.1	33.7
On layoff .....	619	100.0	46.4	22.8	30.9	12.8	18.0
Other job losers .....	2,352	100.0	19.0	27.4	53.5	15.7	37.8
Job leavers .....	454	100.0	40.1	27.2	32.7	15.3	17.4
Reentrants .....	784	100.0	34.0	37.1	28.8	7.8	21.0
New entrants .....	89	100.0	26.3	40.1	33.6	15.3	18.3
Women, 20 years and over .....	3,807	100.0	37.6	30.3	32.1	13.0	19.1
Job losers .....	1,803	100.0	28.6	28.8	42.6	16.2	26.4
On layoff .....	376	100.0	40.8	32.6	26.6	11.8	14.8
Other job losers .....	1,428	100.0	25.4	27.8	46.8	17.3	29.5
Job leavers .....	516	100.0	45.6	30.3	24.1	8.3	15.8
Reentrants .....	1,286	100.0	45.7	32.3	22.0	10.5	11.5
New entrants .....	202	100.0	45.7	30.6	23.7	12.9	10.8
Both sexes, 16 to 19 years .....	1,285	100.0	47.5	41.7	10.8	5.0	5.9
Job losers .....	222	100.0	56.2	27.0	16.7	6.2	10.5
On layoff .....	39	100.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other job losers .....	183	100.0	52.9	28.3	18.8	5.9	12.9
Job leavers .....	139	100.0	68.9	24.1	7.0	5.8	1.2
Reentrants .....	255	100.0	49.0	40.6	10.4	4.1	6.3
New entrants .....	668	100.0	39.5	50.7	9.8	4.7	5.1

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

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

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992
Total, 16 years and over .....	8,237	9,390	100.0	100.0	6,816	7,795	100.0	100.0
Less than 5 weeks .....	3,307	3,248	40.1	34.6	2,505	2,401	36.7	30.8
5 to 14 weeks .....	2,743	2,925	33.3	31.2	2,282	2,405	33.5	30.9
5 to 10 weeks .....	1,957	2,080	23.8	22.1	1,612	1,692	23.6	21.7
11 to 14 weeks .....	786	846	9.5	9.0	671	713	9.8	9.2
15 weeks and over .....	2,188	3,217	26.6	34.3	2,029	2,989	29.8	38.3
15 to 26 weeks .....	1,014	1,152	12.3	12.3	924	1,055	13.6	13.5
27 weeks and over .....	1,174	2,064	14.2	22.0	1,105	1,934	16.2	24.8
27 to 51 weeks .....	648	947	7.9	10.1	612	893	9.0	11.5
52 weeks and over .....	525	1,117	6.4	11.9	493	1,040	7.2	13.3
Average (mean) duration, in weeks .....	13.9	17.9	-	-	15.1	19.5	-	-
Median duration, in weeks .....	7.1	8.7	-	-	8.0	9.8	-	-

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992
	August 1992										
Total, 16 years and over .....	9,390	3,248	2,925	1,152	2,064	17.9	8.7	40.1	34.6	26.6	34.3
16 to 19 years .....	1,285	610	536	64	75	9.1	5.1	50.2	47.5	9.3	10.8
20 to 24 years .....	1,532	645	517	175	194	12.8	6.2	45.6	42.1	18.0	24.1
25 to 34 years .....	2,654	891	783	376	604	17.9	9.4	41.2	33.6	27.6	36.9
35 to 44 years .....	1,960	633	591	264	472	19.5	9.2	34.7	32.3	32.6	37.5
45 to 54 years .....	1,165	287	299	160	420	26.0	14.4	30.6	24.6	37.3	49.7
55 to 64 years .....	660	137	177	97	249	26.2	16.5	33.7	20.7	43.4	52.4
65 years and over .....	133	44	22	17	51	27.2	15.2	32.5	33.0	41.1	50.7
Men, 16 years and over .....	5,028	1,569	1,517	628	1,315	20.4	9.8	37.9	31.2	29.8	38.6
16 to 19 years .....	730	362	280	35	54	9.4	4.6	53.5	49.6	9.7	12.1
20 to 24 years .....	785	294	275	92	124	14.8	7.6	44.7	37.4	22.4	27.6
25 to 34 years .....	1,417	414	419	211	373	20.0	10.8	36.4	29.2	31.5	41.2
35 to 44 years .....	1,009	279	289	144	297	23.0	11.1	31.3	27.6	36.6	43.7
45 to 54 years .....	647	144	149	75	278	29.3	19.3	27.4	22.3	39.1	54.6
55 to 64 years .....	377	52	97	63	165	30.4	22.1	30.8	13.8	47.5	60.6
65 years and over .....	64	24	7	7	24	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 16 years and over .....	4,362	1,679	1,409	525	749	15.1	7.4	42.7	38.5	22.8	29.2
16 to 19 years .....	555	248	256	29	22	8.6	5.7	46.4	44.7	8.9	9.2
20 to 24 years .....	746	351	242	83	70	10.7	5.1	46.7	47.1	12.7	20.4
25 to 34 years .....	1,237	477	364	165	231	15.6	8.0	46.2	38.6	23.6	32.0
35 to 44 years .....	952	354	302	120	175	15.8	7.7	38.5	37.3	28.2	31.0
45 to 54 years .....	518	143	149	85	141	21.8	11.8	34.4	27.6	35.1	43.6
55 to 64 years .....	284	85	81	34	84	20.6	11.5	38.2	30.0	36.9	41.6
65 years and over .....	70	20	14	9	27	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	6,996	2,423	2,117	839	1,617	18.2	8.8	40.4	34.6	26.0	35.1
Men .....	3,781	1,173	1,115	445	1,047	20.7	10.1	38.7	31.0	29.5	39.5
Women .....	3,215	1,249	1,002	394	570	15.2	7.4	42.3	38.9	21.9	30.0
Black, 16 years and over .....	1,995	676	684	259	377	17.6	8.4	39.1	33.9	28.8	31.9
Men .....	1,028	310	332	153	232	20.4	9.7	35.5	30.2	31.3	37.5
Women .....	967	366	351	105	144	14.5	7.2	42.6	37.8	26.3	25.8
Men, 16 years and over:											
Married, spouse present .....	2,021	531	512	287	690	24.0	13.7	34.0	26.3	37.0	48.3
Widowed, divorced, or separated .....	689	187	211	98	193	22.9	10.9	32.6	27.1	32.1	42.2
Single (never married) .....	2,318	850	794	243	432	16.4	8.0	42.6	36.7	23.6	29.1
Women, 16 years and over:											
Married, spouse present .....	1,746	677	510	240	318	15.9	7.3	43.3	38.8	24.7	32.0
Widowed, divorced, or separated .....	997	341	300	132	224	17.4	8.7	41.2	34.2	25.4	35.7
Single (never married) .....	1,620	661	599	152	207	12.8	6.7	43.0	40.8	19.3	22.2

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992
	August 1992										
<b>OCCUPATION</b>											
Managerial and professional specialty .....	1,173	291	379	164	339	22.0	11.6	34.1	24.8	34.5	42.9
Technical, sales, and administrative support .....	2,402	818	713	323	547	17.7	8.8	38.0	34.1	26.9	36.2
Service occupations .....	1,412	589	425	173	225	14.8	6.4	46.3	41.7	23.3	28.2
Precision production, craft, and repair .....	1,074	311	304	160	299	21.1	11.6	38.0	29.0	31.4	42.7
Operators, fabricators, and laborers .....	1,934	652	525	212	544	21.5	10.0	39.0	33.7	28.6	39.1
Farming, forestry, and fishing .....	293	153	91	25	23	9.8	4.3	53.2	52.2	20.5	16.4
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	204	106	67	16	15	9.4	4.3	54.4	52.0	14.4	15.2
Construction .....	817	242	204	113	257	22.5	12.3	42.1	29.6	30.3	45.3
Manufacturing .....	1,599	522	434	204	438	21.1	10.4	36.1	32.6	32.4	40.2
Durable goods .....	970	287	262	130	291	22.3	11.2	34.2	29.6	34.5	43.4
Nondurable goods .....	629	234	172	75	148	19.3	9.3	39.0	37.2	29.1	35.3
Transportation and public utilities .....	379	103	101	39	136	24.6	13.0	37.2	27.2	27.4	46.2
Wholesale and retail trade .....	2,178	809	628	303	438	17.0	7.8	41.2	37.1	25.8	34.0
Finance and service industries .....	2,624	866	852	334	570	17.7	9.3	39.6	33.0	27.2	34.5
Public administration .....	188	48	63	25	52	21.5	11.3	35.5	25.5	30.5	41.0
No previous work experience .....	1,047	416	472	82	76	10.4	6.9	43.7	39.7	13.6	15.1

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

NOTE: Data on occupations and industries for 1992 are not fully

comparable with data for prior years because of the introduction of the classification systems used in the 1990 census.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Sex, age, and race	August 1992								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	9,390	8,178	21.7	9.2	75.4	43.5	24.5	4.5	1.79
16 to 19 years .....	1,285	1,218	12.2	3.7	83.2	29.7	17.4	2.7	1.49
20 to 24 years .....	1,532	1,385	22.3	7.5	78.0	44.3	21.0	2.6	1.76
25 to 34 years .....	2,654	2,288	24.7	10.7	74.1	45.6	25.9	4.2	1.85
35 to 44 years .....	1,960	1,664	22.0	11.2	74.2	46.8	27.2	5.0	1.86
45 to 54 years .....	1,165	997	26.0	12.5	70.7	44.4	29.0	7.1	1.90
55 to 64 years .....	660	515	22.2	9.8	69.3	53.8	26.0	7.8	1.89
65 years and over .....	133	110	15.1	.6	72.5	34.2	28.5	6.1	1.57
Men, 16 years and over .....	5,028	4,304	23.7	9.4	76.0	41.7	28.1	5.5	1.84
16 to 19 years .....	730	687	12.2	3.6	83.9	29.6	21.2	3.3	1.54
20 to 24 years .....	785	709	22.8	7.6	80.3	45.0	23.0	2.6	1.81
25 to 34 years .....	1,417	1,171	28.6	10.6	74.0	44.8	32.6	4.5	1.95
35 to 44 years .....	1,009	829	24.9	10.9	74.9	44.9	29.2	5.3	1.90
45 to 54 years .....	647	544	28.0	12.6	70.4	37.1	31.4	10.4	1.90
55 to 64 years .....	377	312	24.1	13.5	68.5	51.2	28.0	12.6	1.98
65 years and over .....	64	52	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 16 years and over .....	4,362	3,874	19.6	9.1	74.7	45.4	20.4	3.3	1.73
16 to 19 years .....	555	531	12.1	3.9	82.2	29.8	12.5	1.9	1.43
20 to 24 years .....	746	676	21.6	7.4	75.7	43.6	18.9	2.6	1.70
25 to 34 years .....	1,237	1,117	20.6	10.8	74.2	46.4	18.9	3.9	1.75
35 to 44 years .....	952	835	19.2	11.4	73.5	48.7	25.2	4.7	1.83
45 to 54 years .....	518	453	23.6	12.4	71.0	53.1	26.0	3.1	1.89
55 to 64 years .....	284	203	19.3	4.2	70.5	57.6	22.8	.5	1.75
65 years and over .....	70	58	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	6,996	5,961	21.7	8.2	74.9	45.5	24.6	5.0	1.80
Men .....	3,781	3,167	23.7	8.3	75.0	43.7	26.9	6.4	1.84
Women .....	3,215	2,794	19.5	8.1	74.7	47.6	21.9	3.4	1.75
Black, 16 years and over .....	1,995	1,846	22.2	12.0	77.2	36.7	22.3	2.6	1.73
Men .....	1,028	939	23.7	13.0	79.1	35.7	29.5	2.4	1.83
Women .....	967	907	20.7	10.9	75.2	37.8	14.9	2.8	1.62

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

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

Sex and reason	August 1992								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	9,390	8,178	21.7	9.2	75.4	43.5	24.5	4.5	1.79
Job losers <sup>1</sup> .....	4,996	3,919	26.5	11.9	76.4	47.4	30.4	4.2	1.97
Job leavers .....	1,109	1,070	21.4	6.9	78.4	44.3	20.0	3.8	1.75
Reentrants .....	2,325	2,245	17.2	7.3	71.7	41.4	18.8	5.8	1.62
New entrants .....	959	943	13.1	5.4	76.5	31.1	18.7	3.3	1.48
Men, 16 years and over .....	5,028	4,304	23.7	9.4	76.0	41.7	28.1	5.5	1.84
Job losers <sup>1</sup> .....	3,125	2,464	26.7	12.1	76.0	44.8	32.6	5.2	1.97
Job leavers .....	524	503	25.1	7.2	77.3	40.8	24.6	2.5	1.77
Reentrants .....	918	888	19.6	6.4	73.6	39.7	20.4	8.7	1.68
New entrants .....	461	449	13.3	3.1	79.2	30.0	23.1	4.5	1.53
Women, 16 years and over .....	4,362	3,874	19.6	9.1	74.7	45.4	20.4	3.3	1.73
Job losers <sup>1</sup> .....	1,871	1,455	26.1	11.6	77.1	51.9	26.7	2.6	1.96
Job leavers .....	585	567	18.2	6.6	79.5	47.3	16.0	5.0	1.73
Reentrants .....	1,407	1,357	15.7	7.9	70.4	42.5	17.7	3.8	1.58
New entrants .....	499	494	12.9	7.5	74.1	32.1	14.8	2.2	1.44

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

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

(In thousands)

Industry and age	Total		Men		Women	
	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992
All industries .....	117,859	119,082	64,698	65,151	53,161	53,931
16 to 19 years .....	6,482	6,517	3,437	3,403	3,045	3,113
16 to 17 years .....	2,588	2,679	1,375	1,410	1,213	1,268
18 to 19 years .....	3,894	3,838	2,062	1,993	1,832	1,845
20 to 24 years .....	12,686	12,728	6,757	6,794	5,929	5,935
25 to 54 years .....	84,238	85,342	46,282	46,727	37,956	38,615
25 to 34 years .....	32,807	32,312	18,325	17,924	14,482	14,388
35 to 44 years .....	31,263	31,591	17,024	17,240	14,239	14,351
45 to 54 years .....	20,168	21,439	10,933	11,564	9,235	9,875
55 to 64 years .....	11,180	11,164	6,337	6,253	4,843	4,911
55 to 59 years .....	6,717	6,831	3,739	3,802	2,978	3,029
60 to 64 years .....	4,463	4,332	2,598	2,451	1,865	1,882
65 years and over .....	3,273	3,332	1,884	1,975	1,389	1,358
Agriculture .....	3,607	3,561	2,865	2,828	742	733
16 to 19 years .....	377	367	318	289	59	78
16 to 17 years .....	182	194	156	153	27	41
18 to 19 years .....	194	173	162	136	32	37
20 to 24 years .....	381	387	317	327	65	60
25 to 54 years .....	2,127	2,096	1,624	1,610	503	486
25 to 34 years .....	864	835	690	662	174	173
35 to 44 years .....	744	757	556	577	188	180
45 to 54 years .....	519	505	378	371	141	133
55 to 64 years .....	428	431	338	350	89	81
55 to 59 years .....	219	214	178	179	41	35
60 to 64 years .....	208	217	160	171	48	46
65 years and over .....	294	280	269	252	25	28
Nonagricultural industries .....	114,253	115,522	61,833	62,323	52,420	53,198
16 to 19 years .....	6,105	6,150	3,119	3,114	2,986	3,035
16 to 17 years .....	2,406	2,485	1,219	1,257	1,186	1,227
18 to 19 years .....	3,699	3,665	1,900	1,857	1,799	1,808
20 to 24 years .....	12,305	12,341	6,441	6,466	5,864	5,875
25 to 54 years .....	82,111	83,246	44,658	45,117	37,453	38,129
25 to 34 years .....	31,943	31,477	17,635	17,262	14,308	14,215
35 to 44 years .....	30,519	30,834	16,468	16,663	14,051	14,172
45 to 54 years .....	19,649	20,934	10,555	11,192	9,094	9,742
55 to 64 years .....	10,752	10,732	5,999	5,903	4,753	4,830
55 to 59 years .....	6,498	6,617	3,562	3,623	2,937	2,994
60 to 64 years .....	4,254	4,115	2,437	2,279	1,817	1,836
65 years and over .....	2,979	3,053	1,616	1,723	1,363	1,330

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992
Total .....	117,859	119,082	64,698	65,151	61,261	61,748	53,161	53,931	50,117	50,818
Managerial and professional specialty .....	30,441	30,746	16,546	16,277	16,462	16,164	13,895	14,469	13,779	14,356
Executive, administrative, and managerial .....	14,737	14,506	8,742	8,391	8,707	8,348	5,995	6,115	5,943	6,074
Officials and administrators, public administration .....	599	615	361	355	359	355	238	260	238	260
Other executive, administrative, and managerial .....	10,219	9,958	6,461	6,128	6,430	6,091	3,758	3,830	3,713	3,795
Management-related occupations .....	3,919	3,933	1,920	1,908	1,918	1,902	1,999	2,026	1,992	2,019
Professional specialty .....	15,704	16,240	7,803	7,886	7,754	7,815	7,901	8,354	7,836	8,282
Engineers .....	1,899	1,827	1,754	1,702	1,748	1,697	144	124	145	123
Mathematical and computer scientists .....	959	919	611	615	611	615	348	304	347	303
Natural scientists .....	466	445	355	330	355	329	111	115	111	111
Health diagnosing occupations .....	834	907	693	743	693	739	141	164	141	163
Health assessment and treating occupations .....	2,428	2,717	358	387	358	384	2,070	2,330	2,067	2,324
Teachers, college and university .....	620	652	379	406	379	406	241	246	240	246
Teachers, except college and university .....	3,528	3,768	882	926	870	919	2,646	2,841	2,623	2,823
Lawyers and judges .....	788	795	653	633	653	633	135	162	135	162
Other professional specialty occupations .....	4,182	4,211	2,118	2,143	2,088	2,093	2,064	2,067	2,027	2,026
Technical, sales, and administrative support .....	36,091	36,948	12,794	13,413	12,153	12,735	23,297	23,535	21,826	21,991
Technicians and related support .....	3,798	4,396	1,871	2,204	1,847	2,160	1,927	2,192	1,904	2,159
Health technologists and technicians .....	1,450	1,566	251	268	249	265	1,199	1,298	1,190	1,282
Engineering and science technicians .....	1,162	1,223	925	940	907	915	237	283	226	275
Technicians, except health, engineering, and science .....	1,186	1,607	695	996	691	980	491	611	487	601
Sales occupations .....	13,949	13,918	7,232	7,265	6,842	6,850	6,717	6,652	5,820	5,710
Supervisors and proprietors .....	3,834	3,914	2,554	2,543	2,531	2,510	1,280	1,370	1,265	1,348
Sales representatives, finance and business services .....	2,383	2,238	1,434	1,343	1,419	1,338	949	895	927	889
Sales representatives, commodities, except retail .....	1,658	1,595	1,265	1,258	1,264	1,256	393	337	380	323
Sales workers, retail and personal services .....	6,000	6,084	1,957	2,091	1,605	1,719	4,044	3,993	3,199	3,096
Sales-related occupations .....	73	87	22	30	23	28	51	57	50	54
Administrative support, including clerical .....	18,345	18,634	3,691	3,943	3,464	3,724	14,654	14,691	14,102	14,123
Supervisors .....	766	770	320	319	320	318	446	451	446	449
Computer equipment operators .....	752	715	282	269	272	256	471	445	455	433
Secretaries, stenographers, and typists .....	4,469	4,288	65	77	57	73	4,404	4,211	4,253	4,087
Financial records processing .....	2,418	2,246	212	211	207	206	2,206	2,035	2,175	2,009
Mail and message distributing .....	924	905	553	548	523	525	370	356	359	347
Other administrative support, including clerical .....	9,016	9,711	2,259	2,519	2,085	2,346	6,757	7,191	6,415	6,798
Service occupations .....	16,337	16,316	6,532	6,477	5,576	5,615	9,805	9,839	8,638	8,674
Private household .....	893	958	23	42	6	34	869	916	692	745
Protective service .....	2,141	2,113	1,800	1,747	1,726	1,697	341	367	283	286
Service, except private household and protective .....	13,304	13,245	4,709	4,688	3,844	3,884	8,595	8,557	7,663	7,643
Food service .....	5,417	5,481	2,222	2,159	1,617	1,582	3,195	3,322	2,577	2,745
Health service .....	2,409	2,113	319	231	290	218	2,090	1,882	1,992	1,816
Cleaning and building service .....	3,033	3,060	1,714	1,811	1,571	1,667	1,319	1,249	1,264	1,176
Personal service .....	2,445	2,592	454	488	365	416	1,991	2,104	1,829	1,906
Precision production, craft, and repair .....	13,351	13,536	12,221	12,378	11,932	12,099	1,130	1,158	1,099	1,131
Mechanics and repairers .....	4,456	4,592	4,315	4,425	4,238	4,326	141	167	141	162
Construction trades .....	4,917	5,038	4,832	4,945	4,676	4,807	85	92	81	85
Other precision production, craft, and repair .....	3,978	3,906	3,074	3,008	3,017	2,966	904	898	876	883
Operators, fabricators, and laborers .....	17,615	17,460	13,212	13,171	12,163	12,137	4,403	4,290	4,199	4,109
Machine operators, assemblers, and inspectors .....	7,816	7,651	4,562	4,595	4,407	4,416	3,254	3,056	3,157	2,981
Manufacturing industries .....	6,439	6,250	3,747	3,661	3,637	3,526	2,692	2,590	2,617	2,538
Durable goods .....	3,469	3,286	2,377	2,230	2,318	2,169	1,092	1,056	1,070	1,041
Nondurable goods .....	2,970	2,964	1,370	1,430	1,319	1,358	1,600	1,533	1,547	1,497
Nonmanufacturing industries .....	1,376	1,401	815	934	770	889	562	466	540	443
Transportation and material moving occupations .....	4,858	4,997	4,500	4,591	4,383	4,477	358	406	343	386
Motor vehicle operators .....	3,652	3,751	3,339	3,398	3,234	3,306	313	353	298	335
Other transportation and material moving occupations .....	1,206	1,246	1,162	1,193	1,149	1,170	45	52	45	51
Handlers, equipment cleaners, helpers, and laborers .....	4,941	4,812	4,150	3,985	3,373	3,245	791	827	700	742
Construction laborers .....	885	788	857	754	764	646	29	34	29	32
Other handlers, equipment cleaners, helpers, and laborers .....	4,056	4,025	3,293	3,232	2,609	2,599	762	793	671	710
Farming, forestry, and fishing .....	4,024	4,076	3,393	3,435	2,976	2,998	631	641	575	557
Farm operators and managers .....	1,333	1,274	1,116	1,049	1,096	1,036	217	225	217	225
Other farming, forestry, and fishing occupations .....	2,690	2,803	2,278	2,387	1,881	1,962	414	416	359	332

NOTE: Data for 1992 are not fully comparable with data for prior years because of the introduction of the occupational classification system used in the 1990 census.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	117,859	119,082	64,698	65,151	53,161	53,931
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	25.8	25.8	25.6	25.0	26.1	26.8
Executive, administrative, and managerial .....	12.5	12.2	13.5	12.9	11.3	11.3
Professional specialty .....	13.3	13.6	12.1	12.1	14.9	15.5
Technical, sales, and administrative support .....	30.6	31.0	19.8	20.6	43.8	43.6
Technicians and related support .....	3.2	3.7	2.9	3.4	3.6	4.1
Sales occupations .....	11.8	11.7	11.2	11.2	12.6	12.3
Administrative support, including clerical .....	15.6	15.6	5.7	6.1	27.6	27.2
Service occupations .....	13.9	13.7	10.1	9.9	18.4	18.2
Private household .....	.8	.8	-	.1	1.6	1.7
Protective service .....	1.8	1.8	2.8	2.7	.6	.7
Service, except private household and protective .....	11.3	11.1	7.3	7.2	16.2	15.9
Precision production, craft, and repair .....	11.3	11.4	18.9	19.0	2.1	2.1
Operators, fabricators, and laborers .....	14.9	14.7	20.4	20.2	8.3	8.0
Machine operators, assemblers, and inspectors .....	6.6	6.4	7.1	7.1	6.1	5.7
Transportation and material moving occupations .....	4.1	4.2	7.0	7.0	.7	.8
Handlers, equipment cleaners, helpers, and laborers .....	4.2	4.0	6.4	6.1	1.5	1.5
Farming, forestry, and fishing .....	3.4	3.4	5.2	5.3	1.2	1.2
<b>White</b>						
Total, 16 years and over (thousands) .....	101,805	102,501	56,481	56,797	45,324	45,704
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	26.9	26.8	26.6	25.9	27.2	28.0
Executive, administrative, and managerial .....	13.2	12.9	14.2	13.6	11.9	12.0
Professional specialty .....	13.7	13.9	12.4	12.3	15.4	16.0
Technical, sales, and administrative support .....	31.0	31.4	20.0	20.9	44.7	44.5
Technicians and related support .....	3.2	3.6	2.9	3.3	3.6	4.0
Sales occupations .....	12.3	12.2	11.7	11.8	13.1	12.8
Administrative support, including clerical .....	15.4	15.6	5.4	5.8	28.0	27.7
Service occupations .....	12.6	12.4	9.0	8.8	17.2	16.9
Private household .....	.7	.7	-	-	1.5	1.6
Protective service .....	1.7	1.7	2.6	2.5	.6	.6
Service, except private household and protective .....	10.2	10.0	6.3	6.2	15.1	14.8
Precision production, craft, and repair .....	11.8	11.9	19.7	19.8	2.0	2.1
Operators, fabricators, and laborers .....	14.1	13.9	19.3	19.2	7.5	7.2
Machine operators, assemblers, and inspectors .....	6.2	6.0	6.7	6.8	5.4	4.9
Transportation and material moving occupations .....	3.9	4.0	6.5	6.7	.7	.7
Handlers, equipment cleaners, helpers, and laborers .....	4.0	3.9	6.1	5.8	1.4	1.5
Farming, forestry, and fishing .....	3.6	3.6	5.4	5.4	1.3	1.3
<b>Black</b>						
Total, 16 years and over (thousands) .....	11,971	12,307	5,974	6,021	5,997	6,286
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	15.9	16.6	13.5	14.3	18.3	18.7
Executive, administrative, and managerial .....	7.1	6.5	7.0	6.4	7.2	6.6
Professional specialty .....	8.8	10.0	6.5	7.8	11.1	12.1
Technical, sales, and administrative support .....	28.0	27.5	16.9	16.0	39.0	38.6
Technicians and related support .....	3.0	3.8	2.3	3.1	3.7	4.5
Sales occupations .....	7.8	7.1	6.4	5.1	9.2	9.1
Administrative support, including clerical .....	17.2	16.5	8.2	7.8	26.1	25.0
Service occupations .....	23.4	23.4	19.6	18.9	27.3	27.7
Private household .....	1.4	1.6	.1	.2	2.7	3.0
Protective service .....	3.1	2.8	4.8	4.5	1.3	1.2
Service, except private household and protective .....	18.9	19.0	14.7	14.2	23.2	23.6
Precision production, craft, and repair .....	7.9	8.3	13.8	14.5	2.1	2.3
Operators, fabricators, and laborers .....	22.5	21.8	32.3	31.7	12.9	12.4
Machine operators, assemblers, and inspectors .....	10.0	9.7	9.9	9.8	10.2	9.7
Transportation and material moving occupations .....	6.7	6.4	12.4	11.9	.9	1.1
Handlers, equipment cleaners, helpers, and laborers .....	5.8	5.7	9.9	10.1	1.8	1.6
Farming, forestry, and fishing .....	2.2	2.4	4.0	4.6	.4	.3

NOTE: Data for 1992 are not fully comparable with data for prior years because of the introduction of the occupational classification

system used in the 1990 census.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Age and sex	August 1992								
	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 .....	106,572	1,249	17,840	87,483	8,720	230	1,922	1,518	122
16 to 19 years .....	6,050	238	459	5,353	77	23	284	47	36
16 to 17 years .....	2,446	144	205	2,097	35	3	145	27	22
18 to 19 years .....	3,604	94	255	3,255	41	20	138	20	14
20 to 24 years .....	12,043	111	1,092	10,839	282	16	292	81	14
25 to 34 years .....	29,668	185	4,026	25,458	1,782	27	566	253	15
35 to 44 years .....	28,074	205	5,668	22,202	2,695	65	354	377	26
45 to 54 years .....	18,761	190	4,168	14,403	2,123	50	213	276	16
55 to 64 years .....	9,501	187	2,058	7,257	1,200	31	140	280	11
55 to 59 years .....	5,923	105	1,290	4,528	672	22	65	146	3
60 to 64 years .....	3,579	82	767	2,729	528	8	75	134	8
65 years and over .....	2,474	133	368	1,972	561	18	73	203	4
Men, 16 years and over .....	56,491	193	8,431	47,867	5,783	49	1,524	1,264	40
16 to 19 years .....	3,060	60	222	2,779	42	12	216	47	26
16 to 17 years .....	1,244	39	85	1,120	11	2	110	27	16
18 to 19 years .....	1,817	21	137	1,659	30	10	106	20	10
20 to 24 years .....	6,280	19	535	5,726	176	10	252	69	6
25 to 34 years .....	16,068	26	1,931	14,110	1,194	-	443	213	6
35 to 44 years .....	14,882	27	2,622	12,233	1,773	7	277	299	-
45 to 54 years .....	9,793	16	1,916	7,861	1,393	6	165	206	-
55 to 64 years .....	5,051	19	1,008	4,024	847	4	107	242	1
55 to 59 years .....	3,157	12	617	2,528	463	3	52	126	-
60 to 64 years .....	1,894	7	391	1,496	384	1	55	116	1
65 years and over .....	1,357	26	196	1,135	357	10	64	187	1
Women, 16 years and over .....	50,080	1,056	9,408	39,616	2,937	181	397	254	82
16 to 19 years .....	2,990	178	238	2,574	35	11	68	1	10
16 to 17 years .....	1,203	105	120	978	24	1	35	1	5
18 to 19 years .....	1,787	73	118	1,596	11	10	33	-	4
20 to 24 years .....	5,762	92	557	5,114	106	7	40	12	8
25 to 34 years .....	13,601	158	2,094	11,348	587	27	124	40	10
35 to 44 years .....	13,192	178	3,045	9,969	922	58	76	78	26
45 to 54 years .....	8,968	174	2,252	6,541	729	45	48	69	16
55 to 64 years .....	4,450	168	1,050	3,232	353	26	33	38	10
55 to 59 years .....	2,766	93	673	2,000	209	19	13	20	3
60 to 64 years .....	1,684	76	376	1,233	145	7	20	18	8
65 years and over .....	1,117	108	172	837	204	8	9	16	3



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	August 1992												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service <sup>1</sup>		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture .....	3,561	90	77	58	26	102	-	13	38	8	37	2	3,110
Mining .....	614	104	56	29	9	37	-	11	210	38	92	27	1
Construction .....	7,481	886	191	49	60	432	-	32	4,299	104	532	842	53
Manufacturing .....	20,057	2,327	1,657	780	722	2,222	-	307	3,802	6,250	776	1,122	91
Durable goods .....	11,460	1,344	1,056	551	301	1,236	-	141	2,571	3,286	402	491	81
Nondurable goods .....	8,596	983	601	229	421	986	-	166	1,231	2,964	374	632	10
Transportation and public utilities .....	8,304	942	463	359	231	2,297	-	290	1,215	122	1,904	462	20
Wholesale and retail trade .....	24,634	2,136	480	163	10,063	2,385	-	4,688	1,477	306	1,058	1,813	65
Wholesale trade .....	5,050	593	95	39	1,939	896	-	46	331	143	495	439	34
Retail trade .....	19,584	1,544	385	123	8,124	1,488	-	4,642	1,145	164	563	1,374	32
Finance, insurance, and real estate .....	7,850	1,941	197	164	1,885	3,040	-	315	159	11	22	34	83
Services .....	40,700	4,893	12,280	2,465	895	6,467	958	8,284	2,091	768	514	467	619
Private households .....	1,265	5	16	10	3	10	958	102	16	2	5	18	121
Other service industries .....	39,435	4,888	12,264	2,455	892	6,457	-	8,181	2,075	766	509	449	498
Professional services .....	26,841	3,150	10,829	2,115	176	4,714	-	4,764	436	204	223	86	143
Public administration .....	5,882	1,188	840	329	27	1,652	-	1,418	245	42	62	43	36

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

because of the introduction of the occupational and industrial classification systems used in the 1990 census.

NOTE: Data for 1992 are not fully comparable with data for prior years

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

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	Aug. 1991	Aug. 1992	Total		Wage and salary workers <sup>1</sup>			
			Aug. 1991	Aug. 1992	Paid absences		Unpaid absences	
					Aug. 1991	Aug. 1992	Aug. 1991	Aug. 1992
Total, 16 years and over .....	11,115	11,595	10,972	11,411	6,032	6,477	4,018	4,075
Vacation .....	8,640	9,121	8,561	9,025	5,262	5,688	2,703	2,791
Illness .....	1,271	1,165	1,245	1,137	475	487	657	567
Bad weather .....	36	53	24	32	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Industrial dispute .....	6	5	6	5	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
All other reasons .....	1,162	1,252	1,137	1,212	294	302	658	718
Men, 16 years and over .....	4,667	4,818	4,557	4,679	2,868	2,893	1,210	1,335
Vacation .....	3,509	3,749	3,448	3,675	2,479	2,591	673	619
Illness .....	659	543	642	517	266	224	308	258
All other reasons <sup>3</sup> .....	498	526	468	487	123	77	229	258
Women, 16 years and over .....	6,448	6,778	6,415	6,732	3,163	3,584	2,808	2,742
Vacation .....	5,130	5,372	5,113	5,350	2,784	3,097	2,030	1,973
Illness .....	612	622	603	620	208	262	349	309
All other reasons <sup>3</sup> .....	705	784	699	762	171	225	429	460

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

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

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Hours of work	August 1992					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	107,487	3,376	104,111	100.0	100.0	100.0
1 to 34 hours .....	24,950	927	24,023	23.2	27.5	23.1
1 to 4 hours .....	726	49	677	.7	1.5	.7
5 to 14 hours .....	3,764	157	3,607	3.5	4.6	3.5
15 to 29 hours .....	12,602	428	12,174	11.7	12.7	11.7
30 to 34 hours .....	7,857	293	7,564	7.3	8.7	7.3
35 hours and over .....	82,537	2,449	80,088	76.8	72.5	76.9
35 to 39 hours .....	7,264	159	7,105	6.8	4.7	6.8
40 hours .....	43,102	755	42,347	40.1	22.4	40.7
41 hours and over .....	32,171	1,535	30,636	29.9	45.5	29.4
41 to 48 hours .....	11,217	222	10,995	10.4	6.6	10.6
49 to 59 hours .....	11,964	467	11,498	11.1	13.8	11.0
60 hours and over .....	8,990	847	8,143	8.4	25.1	7.8
Average hours, total at work .....	39.7	44.7	39.5	-	-	-
Average hours, workers on full-time schedules .....	43.6	51.3	43.4	-	-	-

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

(Numbers in thousands)

Reason for working less than 35 hours	August 1992					
	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 .....	24,950	8,107	16,842	24,023	7,806	16,217
Economic reasons .....	6,484	1,928	4,557	6,201	1,840	4,361
Slack work .....	3,046	1,607	1,439	2,890	1,533	1,357
Material shortages or repairs to plant and equipment .....	36	36	-	35	35	-
New job started during week .....	204	204	-	198	198	-
Job terminated during week .....	80	80	-	75	75	-
Could find only part-time work .....	3,118	-	3,118	3,004	-	3,004
Other reasons .....	18,466	6,180	12,286	17,822	5,966	11,856
Does not want, or unavailable for, full-time work .....	9,543	-	9,543	9,239	-	9,239
Vacation .....	2,890	2,890	-	2,843	2,843	-
Illness .....	1,371	1,171	200	1,342	1,158	184
Bad weather .....	387	387	-	287	287	-
Industrial dispute .....	7	7	-	7	7	-
Legal or religious holiday .....	101	101	-	101	101	-
Full time for this job .....	1,479	-	1,479	1,444	-	1,444
All other reasons .....	2,686	1,622	1,064	2,558	1,569	989
Average hours:						
Economic reasons .....	22.3	24.6	21.4	22.4	24.6	21.4
Other reasons .....	21.8	24.5	20.4	21.8	24.5	20.5
Worked 30 to 34 hours:						
Economic reasons .....	2,081	844	1,237	1,980	806	1,174
Other reasons .....	5,776	2,897	2,879	5,584	2,789	2,795

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Industry	August 1992								
	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 .....	104,111	6,201	11,856	86,054	55,418	10,995	19,641	39.5	43.4
Wage and salary workers .....	96,031	5,515	10,478	80,038	52,684	10,451	16,848	39.4	43.0
Mining .....	545	9	6	529	253	77	198	47.2	48.0
Construction .....	5,634	432	211	4,991	3,303	562	1,127	41.0	43.3
Manufacturing .....	18,379	543	461	17,375	11,021	2,870	3,484	42.1	43.2
Durable goods .....	10,448	214	186	10,048	6,284	1,662	2,102	42.6	43.4
Nondurable goods .....	7,930	329	274	7,327	4,737	1,209	1,381	41.4	43.0
Transportation and public utilities .....	7,284	252	337	6,695	4,114	955	1,625	42.5	44.3
Wholesale and retail trade .....	21,245	1,985	3,925	15,335	9,424	2,153	3,758	37.5	43.6
Finance, insurance, and real estate .....	6,706	180	579	5,946	4,082	689	1,175	40.2	42.5
Service industries .....	30,744	2,024	4,716	24,004	16,656	2,657	4,690	37.5	42.2
Private households .....	1,168	253	472	442	289	40	113	27.3	44.3
All other industries .....	29,576	1,770	4,244	23,562	16,367	2,617	4,577	37.9	42.2
Public administration .....	5,378	71	237	5,071	3,792	487	792	40.6	41.7
Self-employed workers .....	7,966	688	1,301	5,978	2,698	532	2,748	41.0	48.5
Unpaid family workers .....	230	16	82	131	75	12	45	35.9	45.9

NOTE: Data for 1992 are not fully comparable with data for prior years because of the introduction of the industrial classification system used in the 1990 census.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Sex, age, race, and marital status	August 1992							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
<b>TOTAL</b>								
Total, 16 years and over .....	104,111	6,201	11,856	86,054	55,418	30,636	39.5	43.4
16 to 19 years .....	5,818	1,077	2,222	2,519	1,972	547	29.0	40.3
16 to 17 years .....	2,316	411	1,255	651	538	113	24.5	39.3
18 to 19 years .....	3,502	666	967	1,869	1,435	434	32.0	40.6
20 years and over .....	98,292	5,124	9,634	83,535	53,446	30,089	40.1	43.5
20 to 24 years .....	11,624	1,093	1,539	8,991	6,409	2,582	37.5	41.9
25 years and over .....	86,669	4,030	8,095	74,543	47,037	27,506	40.5	43.6
25 to 44 years .....	56,297	2,670	4,258	49,369	30,769	18,600	41.0	43.7
45 to 64 years .....	27,648	1,211	2,519	23,918	15,382	8,536	40.6	43.6
65 years and over .....	2,723	149	1,318	1,257	887	370	28.9	42.1
<b>Men, 16 years and over</b> .....	57,644	3,019	3,471	51,154	29,443	21,711	42.2	44.8
16 to 19 years .....	2,959	555	970	1,434	1,074	359	30.5	41.1
16 to 17 years .....	1,176	223	565	387	318	69	25.6	39.2
18 to 19 years .....	1,783	332	404	1,047	756	290	33.7	41.8
20 years and over .....	54,686	2,464	2,501	49,720	28,368	21,352	42.8	44.9
20 to 24 years .....	6,179	572	617	4,990	3,305	1,686	39.0	42.9
25 years and over .....	48,506	1,891	1,885	44,730	25,064	19,666	43.3	45.2
25 to 44 years .....	31,551	1,326	666	29,559	16,197	13,362	43.9	45.3
45 to 64 years .....	15,385	505	535	14,345	8,295	6,050	43.4	45.0
65 years and over .....	1,569	59	685	826	571	255	30.6	42.1
<b>Women, 16 years and over</b> .....	46,466	3,182	8,385	34,900	25,976	8,924	36.2	41.2
16 to 19 years .....	2,860	522	1,252	1,086	898	188	27.5	39.3
16 to 17 years .....	1,140	188	689	263	220	44	23.3	39.6
18 to 19 years .....	1,719	334	563	822	678	144	30.2	39.2
20 years and over .....	43,607	2,660	7,132	33,814	25,078	8,737	36.7	41.3
20 to 24 years .....	5,444	521	922	4,001	3,105	897	35.7	40.6
25 years and over .....	38,162	2,139	6,210	29,813	21,973	7,840	36.9	41.3
25 to 44 years .....	24,746	1,343	3,592	19,811	14,572	5,239	37.3	41.3
45 to 64 years .....	12,262	707	1,985	9,570	7,084	2,486	37.0	41.5
65 years and over .....	1,154	90	633	431	316	115	26.6	42.0
<b>RACE</b>								
White, 16 years and over .....	89,368	4,976	10,512	73,880	46,163	27,717	39.7	43.6
Men .....	50,134	2,458	2,984	44,692	24,874	19,818	42.5	45.1
Women .....	39,234	2,518	7,528	29,188	21,289	7,900	36.0	41.2
Black, 16 years and over .....	10,910	978	953	8,979	7,040	1,939	37.9	41.4
Men .....	5,406	441	350	4,615	3,382	1,233	39.2	42.3
Women .....	5,503	536	603	4,364	3,658	706	36.7	40.6
<b>MARITAL STATUS</b>								
Men, 16 years and over:								
Married, spouse present .....	35,427	1,047	1,250	33,130	18,057	15,073	43.8	45.4
Widowed, divorced, or separated .....	6,404	424	277	5,703	3,294	2,409	42.5	45.1
Single (never married) .....	15,813	1,548	1,945	12,321	8,092	4,229	38.4	43.2
Women, 16 years and over:								
Married, spouse present .....	24,714	1,365	4,955	18,395	13,921	4,473	35.7	40.8
Widowed, divorced, or separated .....	9,536	645	1,131	7,760	5,466	2,293	38.2	42.1
Single (never married) .....	12,217	1,172	2,299	8,746	6,588	2,157	35.5	41.2

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Occupation and sex	August 1992								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over <sup>1</sup>	103,602	6,124	11,770	85,709	55,115	10,964	19,629	39.5	43.4
Managerial and professional specialty	25,893	617	2,162	23,114	13,115	2,980	7,019	41.7	44.3
Executive, administrative, and managerial	13,287	205	651	12,432	6,448	1,707	4,277	43.9	45.5
Professional specialty	12,606	412	1,511	10,682	6,666	1,274	2,742	39.4	43.0
Technical, sales, and administrative support	33,955	1,627	4,945	27,384	18,787	3,377	5,219	38.4	42.5
Technicians and related support	3,994	85	342	3,566	2,467	501	599	40.3	42.4
Sales occupations	12,986	923	2,192	9,871	5,388	1,239	3,244	39.4	45.2
Administrative support, including clerical	16,976	619	2,410	13,946	10,933	1,638	1,376	37.2	40.7
Service occupations	14,901	1,878	3,307	9,716	7,006	947	1,763	34.9	42.4
Private household	884	172	370	342	231	27	84	27.7	43.9
Protective service	1,909	70	132	1,707	1,030	226	451	42.7	45.1
Service, except private household and protective	12,108	1,636	2,805	7,667	5,746	694	1,227	34.3	41.8
Precision production, craft, and repair	12,684	782	357	11,545	7,216	1,705	2,625	41.9	43.8
Operators, fabricators, and laborers	16,169	1,221	998	13,950	8,991	1,955	3,004	40.7	43.7
Machine operators, assemblers, and inspectors	7,155	427	231	6,496	4,570	967	959	40.7	42.4
Transportation and material moving occupations	4,549	279	202	4,069	2,029	525	1,515	44.5	47.3
Handlers, equipment cleaners, helpers, and laborers	4,465	515	565	3,385	2,392	463	530	37.0	41.9
Men, 16 years and over <sup>1</sup>	57,062	2,930	3,369	50,763	29,122	6,917	14,724	42.3	44.9
Managerial and professional specialty	14,529	268	639	13,623	6,702	1,790	5,131	44.4	46.0
Executive, administrative, and managerial	7,727	97	208	7,422	3,315	1,023	3,084	45.9	46.9
Professional specialty	6,802	170	431	6,201	3,387	766	2,048	42.8	45.0
Technical, sales, and administrative support	12,520	410	961	11,149	6,122	1,533	3,493	42.7	45.3
Technicians and related support	2,031	37	72	1,923	1,183	286	454	43.0	44.2
Sales occupations	6,858	259	550	6,049	2,710	826	2,512	44.2	47.2
Administrative support, including clerical	3,631	114	339	3,178	2,229	422	527	39.7	42.3
Service occupations	6,093	654	774	4,665	3,190	515	959	38.2	43.4
Private household	37	14	5	18	15	2	-	( <sup>2</sup> )	( <sup>2</sup> )
Protective service	1,592	53	80	1,459	855	199	406	43.7	45.6
Service, except private household and protective	4,463	587	689	3,188	2,320	314	553	36.3	42.4
Precision production, craft, and repair	11,612	712	268	10,632	6,560	1,571	2,501	42.2	44.0
Operators, fabricators, and laborers	12,308	886	727	10,694	6,548	1,507	2,639	41.5	44.5
Machine operators, assemblers, and inspectors	4,318	229	102	3,986	2,651	636	700	41.8	43.3
Transportation and material moving occupations	4,279	239	174	3,866	1,907	498	1,460	44.8	47.4
Handlers, equipment cleaners, helpers, and laborers	3,711	418	451	2,842	1,990	374	479	37.2	42.1
Women, 16 years and over <sup>1</sup>	46,541	3,194	8,401	34,945	25,993	4,047	4,905	36.2	41.2
Managerial and professional specialty	11,364	349	1,524	9,491	6,413	1,191	1,888	38.3	41.9
Executive, administrative, and managerial	5,561	107	443	5,010	3,134	683	1,193	41.2	43.5
Professional specialty	5,804	242	1,080	4,481	3,279	507	694	35.5	40.1
Technical, sales, and administrative support	21,435	1,217	3,984	16,234	12,665	1,844	1,726	35.9	40.6
Technicians and related support	1,962	49	270	1,644	1,283	215	145	37.5	40.3
Sales occupations	6,128	663	1,642	3,822	2,678	413	732	34.1	42.0
Administrative support, including clerical	13,345	505	2,071	10,768	8,704	1,216	849	36.6	40.2
Service occupations	8,808	1,224	2,533	5,051	3,816	431	803	32.7	41.6
Private household	847	158	365	324	216	25	84	27.7	44.1
Protective service	316	17	52	247	175	27	46	37.6	42.1
Service, except private household and protective	7,645	1,049	2,117	4,479	3,426	380	674	33.1	41.3
Precision production, craft, and repair	1,071	69	89	913	656	133	124	38.5	41.5
Operators, fabricators, and laborers	3,862	335	271	3,256	2,443	448	365	38.4	41.3
Machine operators, assemblers, and inspectors	2,838	199	129	2,510	1,919	332	259	39.1	41.1
Transportation and material moving occupations	271	39	28	203	122	27	55	38.4	43.8
Handlers, equipment cleaners, helpers, and laborers	754	97	114	543	402	89	51	35.8	41.0

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

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

NOTE: Data for 1992 are not fully comparable with data for prior years

because of the introduction of the occupational classification system used in the 1990 census.

**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	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>TOTAL</b>													
Noninstitutional population <sup>1</sup> .....	191,589	191,746	191,903	192,057	192,209	192,358	192,469	192,607	192,745	192,881	193,025	193,190	193,356
Labor force <sup>1</sup> .....	126,620	127,214	127,122	126,979	127,223	127,645	127,872	128,175	128,407	128,734	129,119	129,100	129,003
Percent of population <sup>2</sup> .....	66.1	66.3	66.2	66.1	66.2	66.4	66.4	66.5	66.6	66.7	66.9	66.8	66.7
Total employed <sup>1</sup> .....	118,100	118,713	118,481	118,377	118,332	118,716	118,628	118,933	119,252	119,230	119,144	119,340	119,303
Employment-population ratio <sup>3</sup> .....	61.6	61.9	61.7	61.6	61.6	61.7	61.6	61.7	61.9	61.8	61.7	61.8	61.7
Resident Armed Forces .....	1,616	1,624	1,614	1,605	1,604	1,599	1,585	1,585	1,577	1,574	1,570	1,568	1,566
Civilian employed .....	116,484	117,089	116,867	116,772	116,728	117,117	117,043	117,348	117,675	117,656	117,574	117,772	117,737
Agriculture .....	3,254	3,283	3,204	3,272	3,183	3,166	3,232	3,194	3,209	3,178	3,252	3,204	3,218
Nonagricultural industries .....	113,230	113,806	113,663	113,500	113,545	113,951	113,811	114,155	114,465	114,478	114,322	114,568	114,519
Unemployed .....	8,520	8,501	8,641	8,602	8,891	8,929	9,244	9,242	9,155	9,504	9,975	9,760	9,700
Unemployment rate <sup>4</sup> .....	6.7	6.7	6.8	6.8	7.0	7.0	7.2	7.2	7.1	7.4	7.7	7.6	7.5
Not in labor force .....	64,969	64,532	64,781	65,078	64,986	64,713	64,597	64,432	64,338	64,147	63,906	64,090	64,353
<b>Men</b>													
Noninstitutional population <sup>1</sup> .....	92,100	92,185	92,270	92,356	92,439	92,521	92,578	92,655	92,733	92,806	92,882	92,971	93,061
Labor force <sup>1</sup> .....	69,711	70,171	69,931	69,849	69,847	70,045	70,124	70,266	70,499	70,883	70,944	70,749	70,852
Percent of population <sup>2</sup> .....	75.7	76.1	75.8	75.6	75.6	75.7	75.7	75.8	76.0	76.4	76.4	76.1	76.1
Total employed <sup>1</sup> .....	64,820	65,216	65,037	65,004	64,857	64,880	64,766	64,946	65,310	65,307	65,146	65,207	65,268
Employment-population ratio <sup>3</sup> .....	70.4	70.7	70.5	70.4	70.2	70.1	70.0	70.1	70.4	70.4	70.1	70.1	70.1
Resident Armed Forces .....	1,442	1,449	1,440	1,432	1,431	1,427	1,414	1,417	1,417	1,414	1,410	1,408	1,408
Civilian employed .....	63,378	63,767	63,597	63,572	63,426	63,453	63,352	63,529	63,893	63,893	63,736	63,799	63,860
Unemployed .....	4,891	4,955	4,894	4,845	4,990	5,165	5,359	5,320	5,190	5,577	5,798	5,541	5,584
Unemployment rate <sup>4</sup> .....	7.0	7.1	7.0	6.9	7.1	7.4	7.6	7.6	7.4	7.9	8.2	7.8	7.9
Not in labor force .....	22,389	22,014	22,339	22,507	22,592	22,476	22,454	22,389	22,234	21,923	21,938	22,222	22,209
<b>Women</b>													
Noninstitutional population <sup>1</sup> .....	99,489	99,561	99,633	99,701	99,770	99,837	99,891	99,951	100,012	100,075	100,142	100,220	100,295
Labor force <sup>1</sup> .....	56,909	57,043	57,191	57,130	57,376	57,600	57,747	57,909	57,907	57,851	58,175	58,351	58,151
Percent of population <sup>2</sup> .....	57.2	57.3	57.4	57.3	57.5	57.7	57.8	57.9	57.9	57.8	58.1	58.2	58.0
Total employed <sup>1</sup> .....	53,280	53,497	53,444	53,373	53,475	53,836	53,862	53,988	53,942	53,924	53,998	54,133	54,035
Employment-population ratio <sup>3</sup> .....	53.6	53.7	53.6	53.5	53.6	53.9	53.9	54.0	53.9	53.9	53.9	54.0	53.9
Resident Armed Forces .....	174	175	174	173	173	172	171	168	160	160	160	160	158
Civilian employed .....	53,106	53,322	53,270	53,200	53,302	53,664	53,691	53,820	53,782	53,764	53,838	53,973	53,877
Unemployed .....	3,629	3,546	3,747	3,757	3,901	3,764	3,886	3,922	3,965	3,927	4,178	4,219	4,117
Unemployment rate <sup>4</sup> .....	6.4	6.2	6.6	6.6	6.8	6.5	6.7	6.8	6.8	6.8	7.2	7.2	7.1
Not in labor force .....	42,580	42,518	42,442	42,571	42,394	42,237	42,144	42,042	42,105	42,224	41,967	41,869	42,144

<sup>1</sup> Includes members of the Armed Forces stationed in the United States.  
<sup>2</sup> Labor force as a percent of the noninstitutional population.  
<sup>3</sup> Total employment as a percent of the noninstitutional population.  
<sup>4</sup> Unemployment as a percent of the labor force (including the resident

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, sex, and age	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>TOTAL</b>													
Civilian noninstitutional population <sup>1</sup> .....	189,973	190,122	190,289	190,452	190,605	190,759	190,884	191,022	191,168	191,307	191,455	191,622	191,790
Civilian labor force .....	125,004	125,590	125,508	125,374	125,619	126,046	126,287	126,590	126,830	127,160	127,549	127,532	127,437
Percent of population .....	65.8	66.1	66.0	65.8	65.9	66.1	66.2	66.3	66.3	66.5	66.6	66.6	66.4
Employed .....	116,484	117,089	116,867	116,772	116,728	117,117	117,043	117,348	117,675	117,656	117,574	117,772	117,737
Employment-population ratio <sup>2</sup> .....	61.3	61.6	61.4	61.3	61.2	61.4	61.3	61.4	61.6	61.5	61.4	61.5	61.4
Unemployed .....	8,520	8,501	8,641	8,602	8,891	8,929	9,244	9,242	9,155	9,504	9,975	9,760	9,700
Unemployment rate .....	6.8	6.8	6.9	6.9	7.1	7.1	7.3	7.3	7.2	7.5	7.8	7.7	7.6
<b>Men, 16 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	90,658	90,736	90,830	90,924	91,008	91,094	91,164	91,238	91,316	91,392	91,472	91,563	91,653
Civilian labor force .....	68,269	68,722	68,491	68,417	68,416	68,618	68,710	68,849	69,082	69,469	69,534	69,341	69,444
Percent of population .....	75.3	75.7	75.4	75.2	75.2	75.3	75.4	75.5	75.7	76.0	76.0	75.7	75.8
Employed .....	63,378	63,767	63,597	63,572	63,426	63,453	63,352	63,529	63,893	63,893	63,736	63,799	63,860
Employment-population ratio <sup>2</sup> .....	69.9	70.3	70.0	69.9	69.7	69.7	69.5	69.6	70.0	69.9	69.7	69.7	69.7
Agriculture .....	2,570	2,579	2,535	2,568	2,485	2,442	2,503	2,503	2,505	2,529	2,543	2,547	2,545
Nonagricultural industries .....	60,808	61,188	61,062	61,004	60,941	61,012	60,849	61,026	61,388	61,364	61,193	61,252	61,315
Unemployed .....	4,891	4,955	4,894	4,845	4,990	5,165	5,359	5,320	5,190	5,577	5,798	5,541	5,584
Unemployment rate .....	7.2	7.2	7.1	7.1	7.3	7.5	7.8	7.7	7.5	8.0	8.3	8.0	8.0
Not in labor force .....	22,389	22,014	22,339	22,507	22,592	22,476	22,454	22,389	22,234	21,923	21,938	22,222	22,209
<b>Men, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	83,940	84,023	84,151	84,245	84,367	84,464	84,549	84,590	84,671	84,755	84,842	84,944	85,010
Civilian labor force .....	64,816	65,086	64,961	64,914	64,962	65,061	65,179	65,375	65,635	66,004	65,948	65,861	65,913
Percent of population .....	77.2	77.5	77.2	77.1	77.0	77.0	77.1	77.3	77.5	77.9	77.7	77.5	77.5
Employed .....	60,605	60,843	60,746	60,764	60,672	60,600	60,597	60,846	61,154	61,167	61,062	61,090	61,105
Employment-population ratio <sup>2</sup> .....	72.2	72.4	72.2	72.1	71.9	71.7	71.7	71.9	72.2	72.2	72.0	71.9	71.9
Agriculture .....	2,368	2,400	2,370	2,390	2,317	2,277	2,356	2,351	2,345	2,370	2,374	2,362	2,366
Nonagricultural industries .....	58,237	58,443	58,376	58,374	58,355	58,323	58,241	58,495	58,809	58,797	58,688	58,727	58,739
Unemployed .....	4,211	4,243	4,215	4,150	4,290	4,461	4,582	4,529	4,481	4,838	4,887	4,771	4,808
Unemployment rate .....	6.5	6.5	6.5	6.4	6.6	6.9	7.0	6.9	6.8	7.3	7.4	7.2	7.3
Not in labor force .....	19,124	18,937	19,190	19,331	19,405	19,403	19,370	19,215	19,036	18,751	18,894	19,083	19,097
<b>Women, 16 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	99,315	99,386	99,459	99,528	99,597	99,665	99,720	99,783	99,852	99,915	99,982	100,060	100,137
Civilian labor force .....	56,735	56,868	57,017	56,957	57,203	57,428	57,576	57,741	57,747	57,691	58,015	58,191	57,993
Percent of population .....	57.1	57.2	57.3	57.2	57.4	57.6	57.7	57.9	57.8	57.7	58.0	58.2	57.9
Employed .....	53,106	53,322	53,270	53,200	53,302	53,664	53,691	53,820	53,782	53,764	53,838	53,973	53,877
Employment-population ratio <sup>2</sup> .....	53.5	53.7	53.6	53.5	53.5	53.8	53.8	53.9	53.9	53.8	53.8	53.9	53.8
Agriculture .....	684	704	669	704	698	725	729	691	705	649	709	657	673
Nonagricultural industries .....	52,422	52,618	52,601	52,496	52,604	52,939	52,962	53,129	53,077	53,115	53,129	53,315	53,204
Unemployed .....	3,629	3,546	3,747	3,757	3,901	3,764	3,886	3,922	3,965	3,927	4,178	4,219	4,117
Unemployment rate .....	6.4	6.2	6.6	6.6	6.8	6.6	6.7	6.8	6.9	6.8	7.2	7.2	7.1
Not in labor force .....	42,580	42,518	42,442	42,571	42,394	42,237	42,144	42,042	42,105	42,224	41,967	41,869	42,144
<b>Women, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	92,720	92,797	92,875	92,958	93,032	93,125	93,208	93,256	93,320	93,416	93,479	93,562	93,635
Civilian labor force .....	53,601	53,650	53,696	53,655	53,909	54,190	54,272	54,555	54,623	54,432	54,804	54,989	54,801
Percent of population .....	57.8	57.8	57.8	57.7	57.9	58.2	58.2	58.5	58.5	58.3	58.6	58.8	58.5
Employed .....	50,542	50,639	50,564	50,474	50,613	50,968	50,973	51,212	51,208	51,109	51,322	51,406	51,236
Employment-population ratio <sup>2</sup> .....	54.5	54.6	54.4	54.3	54.4	54.7	54.7	54.9	54.9	54.7	54.9	54.9	54.7
Agriculture .....	642	667	636	672	661	673	672	659	658	616	672	613	617
Nonagricultural industries .....	49,900	49,972	49,928	49,802	49,952	50,295	50,301	50,554	50,550	50,494	50,650	50,793	50,619
Unemployed .....	3,059	3,011	3,132	3,181	3,296	3,221	3,299	3,343	3,415	3,322	3,482	3,583	3,565
Unemployment rate .....	5.7	5.6	5.8	5.9	6.1	5.9	6.1	6.1	6.3	6.1	6.4	6.5	6.5
Not in labor force .....	39,119	39,147	39,179	39,303	39,123	38,935	38,936	38,701	38,697	38,984	38,675	38,573	38,834
<b>Both sexes, 16 to 19 years</b>													
Civilian noninstitutional population <sup>1</sup> .....	13,313	13,302	13,263	13,250	13,206	13,169	13,127	13,176	13,177	13,136	13,134	13,116	13,145
Civilian labor force .....	6,587	6,854	6,851	6,805	6,748	6,796	6,836	6,660	6,571	6,725	6,797	6,682	6,724
Percent of population .....	49.5	51.5	51.7	51.4	51.1	51.6	52.1	50.5	49.9	51.2	51.8	50.9	51.1
Employed .....	5,337	5,607	5,557	5,534	5,443	5,549	5,472	5,290	5,312	5,381	5,190	5,276	5,396
Employment-population ratio <sup>2</sup> .....	40.1	42.2	41.9	41.8	41.2	42.1	41.7	40.1	40.3	41.0	39.5	40.2	41.0
Agriculture .....	244	216	198	210	205	216	203	184	206	193	206	229	235
Nonagricultural industries .....	5,093	5,391	5,359	5,324	5,238	5,333	5,269	5,106	5,106	5,188	4,984	5,047	5,161
Unemployed .....	1,250	1,247	1,294	1,271	1,305	1,247	1,364	1,370	1,259	1,344	1,607	1,406	1,328
Unemployment rate .....	19.0	18.2	18.9	18.7	19.3	18.3	20.0	20.6	19.2	20.0	23.6	21.0	19.8
Not in labor force .....	6,726	6,448	6,412	6,445	6,458	6,373	6,291	6,516	6,606	6,411	6,337	6,434	6,421

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

population.

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>WHITE</b>													
Civilian noninstitutional population <sup>1</sup> .....	161,642	161,738	161,846	161,949	162,047	162,144	162,219	162,305	162,398	162,483	162,575	162,682	162,791
Civilian labor force .....	107,220	107,593	107,632	107,599	107,646	107,973	108,071	108,491	108,460	108,647	108,711	108,863	108,676
Percent of population .....	66.3	66.5	66.5	66.4	66.4	66.6	66.6	66.8	66.8	66.9	66.9	66.9	66.8
Employed .....	100,716	101,053	101,067	100,977	100,828	101,235	101,073	101,411	101,610	101,614	101,270	101,570	101,455
Employment-population ratio <sup>2</sup> .....	62.3	62.5	62.4	62.4	62.2	62.4	62.3	62.5	62.6	62.5	62.3	62.4	62.3
Unemployed .....	6,504	6,540	6,565	6,622	6,818	6,737	6,998	7,080	6,851	7,032	7,441	7,292	7,221
Unemployment rate .....	6.1	6.1	6.1	6.2	6.3	6.2	6.5	6.5	6.3	6.5	6.8	6.7	6.6
<b>Men, 20 years and over</b>													
Civilian labor force .....	56,246	56,457	56,320	56,312	56,244	56,400	56,439	56,673	56,800	57,072	56,960	56,945	56,944
Percent of population .....	77.7	77.9	77.7	77.6	77.4	77.6	77.6	77.8	77.9	78.2	78.0	77.9	77.9
Employed .....	52,931	53,040	52,990	53,011	52,896	52,908	52,865	53,157	53,330	53,372	53,196	53,316	53,298
Employment-population ratio <sup>2</sup> .....	73.1	73.2	73.1	73.0	72.8	72.8	72.7	73.0	73.2	73.2	72.9	73.0	72.9
Unemployed .....	3,315	3,417	3,330	3,301	3,348	3,491	3,574	3,516	3,470	3,699	3,764	3,629	3,646
Unemployment rate .....	5.9	6.1	5.9	5.9	6.0	6.2	6.3	6.2	6.1	6.5	6.6	6.4	6.4
<b>Women, 20 years and over</b>													
Civilian labor force .....	45,263	45,240	45,384	45,372	45,530	45,762	45,789	46,066	46,022	45,845	46,049	46,290	46,029
Percent of population .....	57.6	57.5	57.6	57.6	57.8	58.0	58.0	58.3	58.3	58.0	58.2	58.5	58.1
Employed .....	43,000	43,040	43,118	43,038	43,076	43,425	43,380	43,566	43,547	43,468	43,548	43,643	43,416
Employment-population ratio <sup>2</sup> .....	54.7	54.7	54.8	54.6	54.6	55.1	55.0	55.2	55.1	55.0	55.1	55.1	54.8
Unemployed .....	2,263	2,200	2,266	2,334	2,454	2,337	2,410	2,499	2,476	2,377	2,502	2,647	2,613
Unemployment rate .....	5.0	4.9	5.0	5.1	5.4	5.1	5.3	5.4	5.4	5.2	5.4	5.7	5.7
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	5,711	5,896	5,928	5,915	5,872	5,811	5,843	5,753	5,638	5,730	5,702	5,627	5,703
Percent of population .....	53.6	55.5	55.9	55.8	55.5	55.0	55.4	54.6	53.6	54.6	54.4	53.8	54.4
Employed .....	4,785	4,973	4,959	4,928	4,856	4,902	4,829	4,688	4,733	4,774	4,527	4,611	4,741
Employment-population ratio <sup>2</sup> .....	45.0	46.8	46.7	46.5	45.9	46.4	45.8	44.5	45.0	45.5	43.2	44.1	45.2
Unemployed .....	926	923	969	987	1,016	909	1,014	1,065	905	956	1,175	1,016	962
Unemployment rate .....	16.2	15.7	16.3	16.7	17.3	15.6	17.4	18.5	16.1	16.7	20.6	18.1	16.9
Men .....	16.9	16.9	16.9	17.4	18.0	16.6	19.0	20.7	17.2	18.5	22.1	19.2	18.8
Women .....	15.5	14.3	15.8	15.9	16.6	14.6	15.5	16.1	14.8	14.7	18.9	16.8	14.7
<b>BLACK</b>													
Civilian noninstitutional population <sup>1</sup> .....	21,655	21,683	21,714	21,745	21,774	21,803	21,828	21,854	21,882	21,909	21,937	21,966	21,997
Civilian labor force .....	13,488	13,731	13,570	13,426	13,559	13,723	13,680	13,688	13,743	13,870	14,092	14,026	14,164
Percent of population .....	62.3	63.3	62.5	61.7	62.3	62.9	62.7	62.6	62.8	63.3	64.2	63.8	64.4
Employed .....	11,814	12,043	11,834	11,779	11,841	11,837	11,794	11,765	11,831	11,827	11,997	11,979	12,143
Employment-population ratio <sup>2</sup> .....	54.6	55.5	54.5	54.2	54.4	54.3	54.0	53.8	54.1	54.0	54.7	54.5	55.2
Unemployed .....	1,674	1,688	1,736	1,647	1,718	1,886	1,886	1,923	1,913	2,044	2,095	2,047	2,021
Unemployment rate .....	12.4	12.3	12.8	12.3	12.7	13.7	13.8	14.1	13.9	14.7	14.9	14.6	14.3
<b>Men, 20 years and over</b>													
Civilian labor force .....	6,329	6,414	6,377	6,357	6,402	6,427	6,387	6,435	6,424	6,497	6,532	6,480	6,554
Percent of population .....	72.8	73.6	73.0	72.7	73.0	73.2	72.6	73.1	72.8	73.5	73.8	73.1	73.8
Employed .....	5,597	5,702	5,673	5,675	5,665	5,567	5,533	5,514	5,596	5,590	5,633	5,591	5,645
Employment-population ratio <sup>2</sup> .....	64.3	65.4	65.0	64.9	64.6	63.4	62.9	62.6	63.4	63.3	63.6	63.1	63.6
Unemployed .....	732	712	704	682	737	860	854	921	828	907	899	889	910
Unemployment rate .....	11.6	11.1	11.0	10.7	11.5	13.4	13.4	14.3	12.9	14.0	13.8	13.7	13.9
<b>Women, 20 years and over</b>													
Civilian labor force .....	6,476	6,560	6,464	6,366	6,460	6,469	6,464	6,524	6,572	6,590	6,754	6,743	6,791
Percent of population .....	59.6	60.3	59.3	58.3	59.1	59.1	59.0	59.5	59.8	59.9	61.3	61.1	61.5
Employed .....	5,799	5,876	5,716	5,648	5,730	5,732	5,750	5,788	5,786	5,793	5,893	5,912	5,982
Employment-population ratio <sup>2</sup> .....	53.4	54.0	52.5	51.8	52.4	52.4	52.5	52.8	52.7	52.6	53.5	53.6	54.1
Unemployed .....	677	684	748	718	730	737	714	736	787	798	861	831	809
Unemployment rate .....	10.5	10.4	11.6	11.3	11.3	11.4	11.0	11.3	12.0	12.1	12.7	12.3	11.9

See footnotes at end of table.



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**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	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	683	757	729	703	697	827	829	729	747	783	806	803	819
Percent of population .....	32.6	36.3	34.9	33.7	33.5	39.8	39.9	35.1	36.0	37.8	39.0	38.9	39.5
Employed .....	418	465	445	456	446	538	511	463	449	444	471	476	517
Employment-population ratio <sup>2</sup> .....	20.0	22.3	21.3	21.9	21.4	25.9	24.6	22.3	21.7	21.4	22.8	23.0	25.0
Unemployed .....	265	292	284	247	251	289	318	266	298	339	335	327	302
Unemployment rate .....	38.8	38.6	39.0	35.1	36.0	34.9	38.4	36.5	39.9	43.3	41.6	40.7	36.9
Men .....	36.7	40.7	36.1	36.4	35.7	35.8	39.0	37.6	44.5	43.8	46.8	41.7	42.7
Women .....	41.4	35.9	42.1	33.8	36.3	33.8	37.5	35.0	35.1	42.8	35.6	39.6	30.7
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	14,829	14,869	14,908	14,948	14,987	15,027	15,066	15,106	15,145	15,184	15,224	15,263	15,303
Civilian labor force .....	9,752	9,852	9,900	9,848	9,875	9,964	10,033	10,170	10,063	10,101	10,135	10,166	10,099
Percent of population .....	65.8	66.3	66.4	65.9	65.9	66.3	66.6	67.3	66.4	66.5	66.6	66.6	66.0
Employed .....	8,781	8,782	8,865	8,844	8,915	8,835	8,865	8,993	9,024	8,956	8,911	8,958	8,966
Employment-population ratio <sup>2</sup> .....	59.2	59.1	59.5	59.2	59.5	58.8	58.8	59.5	59.6	59.0	58.5	58.7	58.6
Unemployed .....	971	1,070	1,035	1,004	960	1,129	1,168	1,177	1,039	1,144	1,224	1,208	1,133
Unemployment rate .....	10.0	10.9	10.5	10.2	9.7	11.3	11.6	11.6	10.3	11.3	12.1	11.9	11.2

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

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

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Category	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>CHARACTERISTIC</b>													
Total .....	116,484	117,089	116,867	116,772	116,728	117,117	117,043	117,348	117,675	117,656	117,574	117,772	117,737
Married men, spouse present .....	40,457	40,440	40,472	40,398	40,206	40,092	39,905	40,115	40,375	40,466	40,373	40,208	40,322
Married women, spouse present .....	29,866	29,833	29,838	29,803	29,779	29,832	29,841	30,144	30,060	30,209	30,403	30,319	30,239
Women who maintain families .....	6,475	6,551	6,469	6,501	6,536	6,579	6,555	8,514	6,529	6,562	6,579	6,546	6,663
<b>OCCUPATION</b>													
Managerial and professional specialty .....	30,923	31,041	31,139	31,218	31,796	31,120	30,990	30,840	31,077	30,918	30,948	30,945	31,230
Technical, sales, and administrative support .....	35,935	36,030	36,045	35,862	35,626	36,579	37,013	36,945	36,972	37,340	36,985	37,033	36,874
Service occupations .....	15,957	16,061	16,051	16,121	16,076	15,989	16,172	16,246	16,030	16,126	16,078	16,016	15,949
Precision production, craft, and repair .....	13,103	13,064	13,129	13,023	12,982	13,052	12,751	12,680	13,063	13,123	12,949	13,311	13,284
Operators, fabricators, and laborers .....	17,117	17,383	17,138	17,189	16,922	16,999	16,706	17,129	16,837	16,915	17,160	17,002	16,940
Farming, forestry, and fishing .....	3,463	3,452	3,439	3,460	3,420	3,415	3,459	3,404	3,382	3,332	3,381	3,444	3,502
<b>INDUSTRY AND CLASS OF WORKER</b>													
<b>Agriculture:</b>													
Wage and salary workers .....	1,699	1,715	1,654	1,683	1,646	1,583	1,705	1,755	1,772	1,670	1,701	1,715	1,698
Self-employed workers .....	1,467	1,437	1,440	1,486	1,431	1,471	1,428	1,360	1,341	1,403	1,393	1,390	1,433
Unpaid family workers .....	107	117	121	115	108	95	112	92	99	98	130	112	100
<b>Nonagricultural industries:</b>													
Wage and salary workers .....	104,237	104,645	104,527	104,291	104,407	105,250	105,055	105,141	105,701	105,736	105,308	105,836	105,725
Government .....	17,903	17,944	18,135	17,812	17,915	17,802	17,641	17,727	17,644	17,871	18,220	18,321	18,449
Private industries .....	86,334	86,701	86,392	86,479	86,492	87,448	87,415	87,415	88,057	87,865	87,087	87,316	87,276
Private households .....	1,035	1,013	993	954	953	1,013	1,130	1,069	1,103	1,060	1,175	1,251	1,115
Other industries .....	85,299	85,688	85,399	85,525	85,539	86,435	86,284	86,346	86,954	86,805	85,912	86,064	86,161
Self-employed workers .....	8,867	8,955	8,950	8,950	8,758	8,476	8,695	8,657	8,433	8,554	8,569	8,674	8,634
Unpaid family workers .....	215	201	232	231	229	222	230	242	249	242	250	260	242
<b>PERSONS AT WORK PART TIME<sup>1</sup></b>													
<b>All industries:</b>													
Part time for economic reasons .....	5,968	6,327	6,304	6,408	6,321	6,719	6,509	6,499	6,272	6,524	6,040	6,324	8,326
Slack work .....	3,137	3,358	3,384	3,297	3,246	3,232	3,260	3,216	3,030	3,356	3,312	3,321	3,289
Could only find part-time work .....	2,601	2,663	2,631	2,768	2,743	3,145	2,906	2,951	2,866	2,861	2,551	2,708	2,861
Voluntary part time .....	15,035	15,021	14,980	14,924	14,893	14,773	14,318	14,378	14,911	14,514	15,241	15,008	15,168
<b>Nonagricultural industries:</b>													
Part time for economic reasons .....	5,710	6,040	6,055	6,123	6,084	6,429	6,213	6,180	5,910	6,210	5,824	6,058	6,091
Slack work .....	2,968	3,158	3,196	3,102	3,081	3,063	3,089	2,975	2,779	3,130	3,166	3,149	3,158
Could only find part-time work .....	2,517	2,584	2,565	2,688	2,664	3,052	2,807	2,901	2,779	2,780	2,477	2,637	2,761
Voluntary part time .....	14,589	14,561	14,497	14,463	14,450	14,326	13,900	13,928	14,497	14,051	14,821	14,551	14,783

<sup>1</sup> Excludes persons "with a job but not at work" during the survey period for such reasons as vacation, illness, or industrial dispute.  
NOTE: Data on occupations and industries for 1992 are not fully

comparable with data for prior years because of the introduction of the classification systems used in the 1990 census.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Sex and age	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
Total, 16 years and over .....	116,484	117,089	118,867	116,772	116,728	117,117	117,043	117,348	117,675	117,656	117,574	117,772	117,737
16 to 24 years .....	17,478	17,821	17,717	17,725	17,593	17,640	17,557	17,492	17,564	17,512	17,303	17,492	17,581
16 to 19 years .....	5,337	5,607	5,557	5,534	5,443	5,549	5,472	5,290	5,312	5,381	5,190	5,276	5,396
16 to 17 years .....	2,007	2,111	2,127	2,086	2,065	2,096	2,108	1,966	2,043	2,025	1,978	2,025	2,106
18 to 19 years .....	3,327	3,470	3,429	3,445	3,386	3,470	3,416	3,336	3,296	3,341	3,168	3,269	3,289
20 to 24 years .....	12,141	12,214	12,160	12,191	12,150	12,091	12,084	12,202	12,251	12,132	12,113	12,216	12,185
25 years and over .....	99,054	99,257	99,158	99,082	99,142	99,476	99,404	99,816	99,989	100,040	100,264	100,372	100,219
25 to 54 years .....	84,487	84,642	84,578	84,595	84,667	84,774	84,631	84,889	85,168	85,317	85,547	85,583	85,588
55 years and over .....	14,574	14,712	14,589	14,519	14,473	14,706	14,783	14,878	14,819	14,709	14,713	14,712	14,625
Men, 16 years and over .....	63,378	63,767	63,597	63,572	63,426	63,453	63,352	63,529	63,893	63,893	63,736	63,799	63,860
16 to 24 years .....	9,172	9,351	9,246	9,214	9,158	9,130	9,034	8,932	9,087	9,006	8,987	9,051	9,186
16 to 19 years .....	2,773	2,924	2,851	2,808	2,754	2,853	2,755	2,683	2,738	2,726	2,674	2,710	2,755
16 to 17 years .....	1,013	1,083	1,082	1,056	1,053	1,076	1,035	991	1,059	1,008	995	1,022	1,053
18 to 19 years .....	1,747	1,822	1,769	1,765	1,709	1,799	1,756	1,710	1,693	1,707	1,641	1,704	1,688
20 to 24 years .....	6,399	6,427	6,395	6,406	6,404	6,279	6,279	6,249	6,349	6,280	6,313	6,342	6,431
25 years and over .....	54,227	54,422	54,345	54,365	54,302	54,337	54,297	54,587	54,739	54,818	54,688	54,761	54,688
25 to 54 years .....	46,001	46,174	46,104	46,099	46,071	45,998	45,860	46,105	46,254	46,368	46,364	46,496	46,436
55 years and over .....	8,231	8,289	8,265	8,262	8,210	8,335	8,438	8,450	8,459	8,460	8,314	8,260	8,244
Women, 16 years and over .....	53,106	53,322	53,270	53,200	53,302	53,664	53,691	53,820	53,782	53,764	53,838	53,973	53,877
16 to 24 years .....	8,306	8,470	8,471	8,511	8,435	8,509	8,523	8,560	8,476	8,507	8,316	8,441	8,395
16 to 19 years .....	2,564	2,683	2,706	2,726	2,689	2,695	2,718	2,607	2,574	2,655	2,516	2,567	2,641
16 to 17 years .....	994	1,028	1,045	1,030	1,012	1,020	1,073	975	984	1,017	983	1,003	1,053
18 to 19 years .....	1,580	1,648	1,660	1,680	1,677	1,671	1,660	1,626	1,603	1,634	1,527	1,565	1,601
20 to 24 years .....	5,742	5,787	5,765	5,785	5,746	5,814	5,805	5,925	5,902	5,852	5,800	5,874	5,754
25 years and over .....	44,827	44,835	44,813	44,717	44,840	45,140	45,107	45,230	45,250	45,222	45,577	45,610	45,533
25 to 54 years .....	38,486	38,468	38,474	38,496	38,596	38,776	38,771	38,784	38,914	38,949	39,163	39,087	39,152
55 years and over .....	6,343	6,423	6,324	6,257	6,263	6,372	6,344	6,427	6,360	6,249	6,399	6,452	6,381

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

(In thousands)

Sex and age	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
Total, 16 years and over .....	8,520	8,501	8,641	8,602	8,891	8,929	9,244	9,242	9,155	9,504	9,975	9,760	9,700
16 to 24 years .....	2,717	2,767	2,840	2,797	2,942	2,779	2,893	2,850	2,752	2,960	3,126	3,017	2,915
16 to 19 years .....	1,250	1,247	1,294	1,271	1,305	1,247	1,364	1,370	1,259	1,344	1,607	1,406	1,328
16 to 17 years .....	555	553	585	552	608	555	576	608	587	649	739	635	563
18 to 19 years .....	684	714	706	716	702	653	772	777	670	726	876	768	761
20 to 24 years .....	1,467	1,520	1,546	1,526	1,637	1,532	1,529	1,480	1,493	1,616	1,519	1,611	1,587
25 years and over .....	5,767	5,757	5,741	5,771	5,919	6,280	6,332	6,410	6,421	6,537	6,884	6,687	6,743
25 to 54 years .....	5,141	5,174	5,191	5,202	5,319	5,538	5,670	5,714	5,675	5,811	5,999	5,887	5,929
55 years and over .....	631	597	570	608	628	660	664	677	728	755	841	856	832
Men, 16 years and over .....	4,891	4,955	4,894	4,845	4,990	5,165	5,359	5,320	5,190	5,577	5,798	5,541	5,584
16 to 24 years .....	1,533	1,597	1,554	1,532	1,595	1,615	1,668	1,691	1,586	1,705	1,760	1,677	1,648
16 to 19 years .....	680	712	679	695	700	704	777	791	709	739	911	770	776
16 to 17 years .....	295	299	300	285	291	296	326	362	329	366	418	342	323
18 to 19 years .....	379	413	376	408	405	382	451	443	378	396	500	430	450
20 to 24 years .....	853	885	875	837	895	911	891	900	877	966	849	907	872
25 years and over .....	3,330	3,346	3,306	3,292	3,379	3,691	3,675	3,641	3,640	3,834	4,016	3,825	3,903
25 to 54 years .....	2,924	2,992	2,982	2,975	3,025	3,191	3,257	3,196	3,172	3,386	3,441	3,335	3,427
55 years and over .....	409	368	355	355	371	428	412	444	460	475	546	506	487
Women, 16 years and over .....	3,629	3,546	3,747	3,757	3,901	3,764	3,886	3,922	3,965	3,927	4,178	4,219	4,117
16 to 24 years .....	1,184	1,170	1,286	1,265	1,347	1,164	1,225	1,159	1,166	1,255	1,366	1,340	1,267
16 to 19 years .....	570	535	615	576	605	543	587	579	550	605	696	636	552
16 to 17 years .....	260	254	285	267	317	259	250	246	258	283	321	293	240
18 to 19 years .....	305	301	330	308	297	271	321	334	292	330	376	338	311
20 to 24 years .....	614	635	671	689	742	621	638	580	616	650	670	704	715
25 years and over .....	2,437	2,411	2,435	2,479	2,540	2,589	2,657	2,769	2,781	2,702	2,868	2,863	2,840
25 to 54 years .....	2,217	2,182	2,209	2,227	2,294	2,347	2,414	2,519	2,503	2,425	2,558	2,552	2,502
55 years and over .....	222	229	215	253	257	231	253	234	268	281	295	350	345

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Civilian workers)

Sex and age	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
Total, 16 years and over .....	6.8	6.8	6.9	6.9	7.1	7.1	7.3	7.3	7.2	7.5	7.8	7.7	7.6
16 to 24 years .....	13.5	13.4	13.8	13.6	14.3	13.6	14.1	14.0	13.5	14.5	15.3	14.7	14.2
16 to 19 years .....	19.0	18.2	18.9	18.7	19.3	18.3	20.0	20.6	19.2	20.0	23.6	21.0	19.8
16 to 17 years .....	21.7	20.8	21.6	20.9	22.7	20.9	21.5	23.6	22.3	24.3	27.2	23.9	21.1
18 to 19 years .....	17.1	17.1	17.1	17.2	17.2	15.8	18.4	18.9	16.9	17.9	21.7	19.0	18.8
20 to 24 years .....	10.8	11.1	11.3	11.1	11.9	11.2	11.2	10.8	10.9	11.8	11.1	11.7	11.5
25 years and over .....	5.5	5.5	5.5	5.5	5.6	5.9	6.0	6.0	6.0	6.1	6.4	6.2	6.3
25 to 54 years .....	5.7	5.8	5.8	5.8	5.9	6.1	6.3	6.3	6.2	6.4	6.6	6.4	6.5
55 years and over .....	4.1	3.9	3.8	4.0	4.2	4.3	4.3	4.4	4.7	4.9	5.4	5.5	5.4
Men, 16 years and over .....	7.2	7.2	7.1	7.1	7.3	7.5	7.8	7.7	7.5	8.0	8.3	8.0	8.0
16 to 24 years .....	14.3	14.6	14.4	14.3	14.8	15.0	15.6	15.9	14.9	15.9	16.4	15.6	15.2
16 to 19 years .....	19.7	19.6	19.2	19.8	20.3	19.8	22.0	22.8	20.6	21.3	25.4	22.1	22.0
16 to 17 years .....	22.6	21.6	21.7	21.3	21.7	21.6	24.0	26.8	23.7	26.6	29.6	25.1	23.5
18 to 19 years .....	17.8	18.5	17.5	18.8	19.2	17.5	20.4	20.6	18.3	18.8	23.4	20.1	21.0
20 to 24 years .....	11.8	12.1	12.0	11.6	12.3	12.7	12.4	12.6	12.1	13.3	11.9	12.5	11.9
25 years and over .....	5.8	5.8	5.7	5.7	5.9	6.4	6.3	6.3	6.2	6.5	6.8	6.5	6.7
25 to 54 years .....	6.0	6.1	6.1	6.1	6.2	6.5	6.6	6.5	6.4	6.8	6.9	6.7	6.9
55 years and over .....	4.7	4.3	4.1	4.1	4.3	4.9	4.7	5.0	5.2	5.3	6.2	5.8	5.6
Women, 16 years and over .....	6.4	6.2	6.6	6.6	6.8	6.6	6.7	6.8	6.9	6.8	7.2	7.2	7.1
16 to 24 years .....	12.5	12.1	13.2	12.9	13.8	12.0	12.6	11.9	12.1	12.9	14.1	13.7	13.1
16 to 19 years .....	18.2	16.6	18.5	17.4	18.4	16.8	17.8	18.2	17.6	18.6	21.7	19.9	17.3
16 to 17 years .....	20.7	19.8	21.4	20.6	23.9	20.3	18.9	20.1	20.8	21.8	24.6	22.6	18.6
18 to 19 years .....	16.2	15.4	16.6	15.5	15.0	14.0	16.2	17.0	15.4	16.8	19.8	17.8	16.3
20 to 24 years .....	9.7	9.9	10.4	10.6	11.4	9.6	9.9	8.9	9.5	10.0	10.4	10.7	11.0
25 years and over .....	5.2	5.1	5.2	5.3	5.4	5.4	5.6	5.8	5.8	5.6	5.9	5.9	5.9
25 to 54 years .....	5.4	5.4	5.4	5.5	5.6	5.7	5.9	6.1	6.0	5.9	6.1	6.1	6.0
55 years and over .....	3.4	3.4	3.3	3.9	3.9	3.5	3.8	3.5	4.0	4.3	4.4	5.1	5.1

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>CHARACTERISTIC</b>													
Total (all civilian workers) .....	6.8	6.8	6.9	6.9	7.1	7.1	7.3	7.3	7.2	7.5	7.8	7.7	7.6
Men, 20 years and over .....	6.5	6.5	6.5	6.4	6.6	6.9	7.0	6.9	6.8	7.3	7.4	7.2	7.3
Women, 20 years and over .....	5.7	5.6	5.8	5.9	6.1	5.9	6.1	6.1	6.3	6.1	6.4	6.5	6.5
Both sexes, 16 to 19 years .....	19.0	18.2	18.9	18.7	19.3	18.3	20.0	20.6	19.2	20.0	23.6	21.0	19.8
White .....	6.1	6.1	6.1	6.2	6.3	6.2	6.5	6.5	6.3	6.5	6.8	6.7	6.6
Black and other .....	11.1	11.1	11.5	11.0	11.5	12.6	12.2	12.2	12.4	13.1	13.5	13.1	12.9
Black .....	12.4	12.3	12.8	12.3	12.7	13.7	13.8	14.1	13.9	14.7	14.9	14.6	14.3
Hispanic origin .....	10.0	10.9	10.5	10.2	9.7	11.3	11.6	11.6	10.3	11.3	12.1	11.9	11.2
Married men, spouse present .....	4.4	4.5	4.2	4.5	4.7	4.8	5.0	4.8	4.7	5.1	5.3	5.3	5.4
Married women, spouse present .....	4.4	4.5	4.5	4.6	4.9	4.8	4.8	5.0	5.0	4.9	5.3	5.3	4.9
Women who maintain families .....	9.4	9.0	9.4	9.1	9.1	9.0	9.5	10.0	10.2	10.0	10.1	10.6	10.5
Full-time workers .....	6.6	6.5	6.6	6.5	6.8	6.8	7.1	7.0	7.0	7.1	7.5	7.4	7.4
Part-time workers .....	8.3	8.4	8.4	8.6	8.6	9.1	8.8	9.0	8.8	9.5	9.3	9.1	9.1
Unemployed 15 weeks and over <sup>1</sup> .....	1.9	1.9	2.0	2.1	2.3	2.4	2.5	2.5	2.4	2.6	2.9	2.8	2.8
Labor force time lost <sup>2</sup> .....	7.7	7.7	7.7	7.9	8.1	8.1	8.3	8.3	8.3	8.3	8.4	8.4	8.4
<b>OCCUPATION<sup>3</sup></b>													
Managerial and professional specialty .....	2.9	2.8	2.9	2.9	2.9	2.9	3.1	3.1	3.1	3.2	3.2	3.1	3.3
Technical, sales, and administrative support .....	5.1	5.1	5.2	5.3	5.6	5.5	5.7	5.7	5.6	5.6	6.0	6.1	6.1
Precision production, craft, and repair .....	8.2	8.0	8.1	8.2	8.3	9.2	9.4	9.8	8.6	8.7	9.2	8.6	8.5
Operators, fabricators, and laborers .....	10.3	10.0	10.1	10.0	10.7	10.8	11.1	10.9	11.4	11.3	11.4	11.2	11.2
Farming, forestry, and fishing .....	7.9	7.9	7.8	8.1	7.6	8.2	8.0	6.8	6.6	8.0	8.4	8.8	7.8
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers .....	7.1	7.0	7.1	7.2	7.4	7.4	7.6	7.8	7.5	7.8	8.0	7.8	8.0
Goods-producing industries .....	9.0	8.9	9.0	9.3	9.2	9.1	9.7	9.5	9.6	9.7	10.3	10.1	10.0
Mining .....	7.7	9.6	8.3	9.2	8.2	6.3	8.9	7.7	7.1	8.5	9.2	10.6	11.7
Construction .....	15.4	15.7	16.1	16.1	16.3	17.0	17.4	17.6	16.6	16.9	17.6	16.5	17.0
Manufacturing .....	7.2	6.9	7.0	7.4	7.2	7.0	7.6	7.3	7.6	7.7	8.3	8.3	7.9
Durable goods .....	7.4	7.0	7.4	7.1	7.3	7.0	7.7	7.4	7.5	7.7	8.2	8.3	8.4
Nondurable goods .....	7.0	6.8	6.4	7.9	7.1	7.0	7.5	7.1	7.6	7.6	8.4	8.3	7.4
Service-producing industries .....	6.2	6.2	6.3	6.3	6.6	6.7	6.7	7.1	6.7	7.0	7.0	6.9	7.1
Transportation and public utilities .....	5.2	4.9	5.1	5.7	6.7	5.5	5.1	5.9	4.6	4.9	5.4	5.7	5.3
Wholesale and retail trade .....	7.6	7.8	7.7	7.5	7.8	8.2	8.2	8.5	8.2	8.5	8.7	8.6	9.2
Finance and service industries .....	5.5	5.4	5.5	5.7	5.8	5.9	5.9	6.3	6.0	6.3	6.1	6.0	6.1
Government workers .....	3.3	3.4	3.5	3.4	3.5	3.9	4.0	3.7	3.5	3.5	3.5	3.3	3.3
Agricultural wage and salary workers .....	11.8	11.2	11.9	12.4	11.5	10.9	11.7	9.6	10.4	13.6	13.3	14.3	11.2

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

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

<sup>3</sup> Seasonally adjusted data for service occupations are not available because the seasonal components are small relative to the trend-cycle

and/or irregular components and consequently cannot be separated with sufficient precision.

NOTE: Data on occupations and industries for 1992 are not fully comparable with data for prior years because of the introduction of the classification systems used in the 1990 census.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Weeks of unemployment	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>DURATION</b>													
Less than 5 weeks .....	3,386	3,344	3,300	3,289	3,307	3,329	3,051	3,281	3,190	3,405	3,573	3,415	3,314
5 to 14 weeks .....	2,686	2,798	2,774	2,721	2,764	2,667	2,902	2,658	2,680	2,601	2,794	2,779	2,882
15 weeks and over .....	2,417	2,422	2,570	2,623	2,843	3,059	3,204	3,185	3,018	3,361	3,675	3,616	3,563
15 to 26 weeks .....	1,258	1,260	1,415	1,300	1,372	1,455	1,475	1,418	1,278	1,388	1,520	1,476	1,521
27 weeks and over .....	1,159	1,162	1,155	1,323	1,471	1,604	1,729	1,766	1,739	1,973	2,155	2,140	2,042
Average (mean) duration, in weeks .....	14.1	14.2	14.6	14.9	15.3	16.4	17.0	17.1	17.0	18.3	18.6	18.3	18.2
Median duration, in weeks .....	7.2	7.4	7.4	7.7	7.8	8.1	8.2	8.0	8.8	9.0	8.7	8.5	8.9
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	39.9	39.0	38.2	38.1	37.1	36.8	33.3	36.0	35.9	36.4	35.6	34.8	34.0
5 to 14 weeks .....	31.6	32.7	32.1	31.5	31.0	29.5	31.7	29.1	30.2	27.8	27.8	28.3	29.5
15 weeks and over .....	28.5	28.3	29.7	30.4	31.9	33.8	35.0	34.9	34.0	35.9	36.6	36.9	36.5
15 to 26 weeks .....	14.8	14.7	16.4	15.1	15.4	16.1	16.1	15.5	14.4	14.8	15.1	15.0	15.6
27 weeks and over .....	13.7	13.6	13.4	15.3	16.5	17.7	18.9	19.4	19.6	21.1	21.5	21.8	20.9

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

(Numbers in thousands)

Reasons for unemployment	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>NUMBER OF UNEMPLOYED</b>													
Job losers .....	4,690	4,805	4,782	4,696	4,990	4,780	5,321	5,274	5,153	5,486	5,663	5,493	5,419
On layoff .....	1,286	1,149	1,230	1,196	1,256	1,168	1,275	1,231	1,215	1,189	1,358	1,314	1,250
Other job losers .....	3,404	3,656	3,552	3,500	3,734	3,612	4,046	4,042	3,938	4,297	4,305	4,179	4,168
Job leavers .....	892	946	986	987	913	975	900	909	1,028	1,002	1,050	1,015	1,031
Reentrants .....	2,107	2,036	2,100	2,108	2,164	2,352	2,162	2,213	2,105	2,157	2,295	2,295	2,257
New entrants .....	773	783	813	774	811	790	823	811	839	856	1,045	990	955
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	55.4	56.1	55.1	54.8	56.2	53.7	57.8	57.3	56.5	57.7	56.3	56.1	56.1
On layoff .....	15.2	13.4	14.2	14.0	14.1	13.1	13.9	13.4	13.3	12.5	13.5	13.4	12.9
Other job losers .....	40.2	42.7	40.9	40.9	42.1	40.6	43.9	43.9	43.2	45.2	42.8	42.7	43.1
Job leavers .....	10.5	11.0	11.4	11.5	10.3	11.0	9.8	9.9	11.3	10.5	10.4	10.4	10.7
Reentrants .....	24.9	23.8	24.2	24.6	24.4	26.4	23.5	24.0	23.1	22.7	22.8	23.4	23.4
New entrants .....	9.1	9.1	9.4	9.0	9.1	8.9	8.9	8.8	9.2	9.0	10.4	10.1	9.9
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	3.8	3.8	3.8	3.7	4.0	3.8	4.2	4.2	4.1	4.3	4.4	4.3	4.3
Job leavers .....	.7	.8	.8	.8	.7	.8	.7	.7	.8	.8	.8	.8	.8
Reentrants .....	1.7	1.6	1.7	1.7	1.7	1.9	1.7	1.7	1.7	1.7	1.8	1.8	1.8
New entrants .....	.6	.6	.6	.6	.6	.6	.7	.6	.7	.7	.8	.8	.7



**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Total</b> .....		107,926	108,029	109,378	108,301	108,275	-	-	-	-	-
<b>Total private</b> .....		90,504	90,805	90,746	90,658	90,757	73,260	73,558	73,623	73,548	73,645
<b>Mining</b> .....		703	697	640	642	640	501	495	453	455	452
Metal mining .....	10	57.4	56.8	55.4	55.3	-	45.3	44.9	43.5	43.3	-
Iron ores .....	101	9.0	9.0	9.2	8.8	-	7.0	7.1	7.1	6.7	-
Copper ores .....	102	16.6	16.6	16.5	16.5	-	13.6	13.6	13.4	13.5	-
Coal mining .....	12	134.9	133.6	125.6	124.6	-	109.2	108.1	101.6	101.1	-
Bituminous coal and lignite mining .....	122	125.7	124.4	116.3	115.6	-	101.8	100.7	93.9	93.7	-
Oil and gas extraction .....	13	401.2	396.7	351.9	353.8	352.5	263.6	259.8	227.3	229.1	-
Crude petroleum and natural gas .....	131	195.6	194.7	181.5	180.9	-	98.3	98.3	93.5	92.4	-
Oil and gas field services .....	138	200.8	197.1	165.3	167.8	-	161.9	158.1	130.1	133.0	-
Nonmetallic minerals, except fuels .....	14	109.6	109.6	107.1	108.3	-	82.4	82.5	80.9	81.1	-
Crushed and broken stone .....	142	40.2	40.5	38.9	39.7	-	30.7	31.1	30.0	30.2	-
Sand and gravel .....	144	34.6	34.6	34.5	34.8	-	-	-	-	-	-
Chemical and fertilizer minerals .....	147	16.6	16.3	15.9	16.1	-	-	-	-	-	-
<b>Construction</b> .....		4,956	4,985	4,789	4,864	4,897	3,828	3,865	3,693	3,764	3,797
General building contractors .....	15	1,208.0	1,211.4	1,130.5	1,154.2	1,155.9	871.5	875.6	803.7	825.5	-
Residential building construction .....	152	595.5	594.2	575.5	586.7	-	415.1	414.5	397.6	407.6	-
Operative builders .....	153	31.6	32.2	30.7	31.0	-	12.7	13.4	13.1	13.5	-
Nonresidential building construction .....	154	580.9	585.0	524.3	536.5	-	443.7	447.7	393.0	404.4	-
Heavy construction, except building .....	16	782.7	793.2	771.4	772.9	-	654.5	666.0	645.7	646.8	-
Highway and street construction .....	161	262.1	264.1	256.9	262.7	-	220.9	223.3	216.9	222.5	-
Heavy construction, except highway .....	162	520.6	529.1	514.5	510.2	-	433.6	442.7	428.8	424.3	-
Special trade contractors .....	17	2,964.9	2,980.8	2,886.8	2,936.9	-	2,301.5	2,323.2	2,243.1	2,291.2	-
Plumbing, heating, and air conditioning .....	171	633.2	631.1	622.1	635.3	-	461.7	460.6	452.4	464.5	-
Painting and paper hanging .....	172	177.9	177.8	163.8	170.4	-	147.7	148.1	135.2	141.3	-
Electrical work .....	173	529.1	530.8	518.6	529.2	-	405.8	407.8	397.6	408.5	-
Masonry, stonework, and plastering .....	174	445.6	451.9	435.6	447.9	-	378.8	386.1	372.1	382.4	-
Carpentry and floor work .....	175	186.4	189.1	178.0	177.6	-	137.3	140.7	132.2	133.0	-
Roofing, siding, and sheet metal work .....	176	203.9	208.4	195.4	201.2	-	161.9	166.5	153.5	159.6	-
<b>Manufacturing</b> .....		18,389	18,582	18,330	18,213	18,298	12,402	12,605	12,455	12,357	12,453
<b>Durable goods</b> .....		10,556	10,610	10,432	10,323	10,340	6,948	7,012	6,931	6,840	6,870
Lumber and wood products .....	24	694.8	698.0	697.9	701.0	701.1	570.9	574.3	573.9	576.6	576.1
Logging .....	241	82.3	83.2	76.9	79.5	-	68.1	69.0	63.4	65.9	-
Sawmills and planing mills .....	242	186.7	187.0	185.2	184.3	-	161.6	162.0	160.7	159.9	-
Sawmills and planing mills, general .....	2421	151.8	151.2	149.3	149.1	-	131.1	130.6	129.2	129.2	-
Hardwood dimension and flooring mills .....	2426	32.1	33.1	33.2	32.5	-	28.2	29.1	29.2	28.4	-
Millwork, plywood, and structural members .....	243	244.5	244.4	249.5	250.4	-	195.8	196.1	199.7	200.2	-
Millwork .....	2431	103.3	103.7	105.9	106.1	-	80.4	81.0	83.0	82.9	-
Wood kitchen cabinets .....	2434	65.5	65.4	68.2	68.7	-	51.5	51.7	53.6	54.1	-
Hardwood veneer and plywood .....	2435	22.3	22.7	23.1	22.8	-	19.2	19.5	19.7	19.4	-
Softwood veneer and plywood .....	2436	28.6	27.8	27.5	27.1	-	25.6	24.9	24.8	24.3	-
Wood containers .....	244	44.8	44.8	44.0	43.6	-	37.9	37.9	37.1	36.7	-
Wood buildings and mobile homes .....	245	56.9	57.6	60.5	61.7	-	43.2	43.9	46.6	47.6	-
Mobile homes .....	2451	39.4	39.7	43.3	43.9	-	31.7	31.9	35.5	36.3	-
Miscellaneous wood products .....	249	79.6	81.0	81.8	81.5	-	64.3	65.4	66.4	66.3	-
Furniture and fixtures .....	25	459.2	471.2	468.6	460.7	466.0	359.0	370.7	370.1	362.4	368.2
Household furniture .....	251	258.2	268.1	268.7	261.4	-	213.5	222.4	223.4	216.5	-
Wood household furniture .....	2511	111.6	118.8	118.5	116.2	-	94.9	101.6	101.6	99.6	-
Upholstered household furniture .....	2512	86.5	88.7	88.3	86.5	-	71.4	73.3	73.2	71.6	-
Metal household furniture .....	2514	20.2	19.5	20.7	18.3	-	15.9	15.0	16.6	14.2	-
Mattresses and bedsprings .....	2515	27.9	28.3	28.0	27.7	-	21.5	21.8	21.1	20.9	-

See footnotes at end of table.



**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Durable goods—Continued</b>											
Furniture and fixtures—Continued											
Office furniture .....	252	60.7	60.3	58.5	58.8	-	44.5	44.4	43.7	43.6	-
Public building and related furniture .....	253	31.4	32.1	33.0	32.1	-	24.4	25.3	26.0	25.0	-
Partitions and fixtures .....	254	74.7	76.2	74.4	75.1	-	53.9	55.6	54.5	55.1	-
Miscellaneous furniture and fixtures .....	259	34.2	34.5	34.0	33.3	-	22.7	23.0	22.5	22.2	-
Stone, clay, and glass products .....	32	530.6	534.8	531.3	529.9	532.8	410.2	415.3	412.8	410.7	413.2
Flat glass .....	321	16.6	17.1	16.4	16.5	-	13.1	13.7	12.9	12.9	-
Glass and glassware, pressed or blown .....	322	80.6	83.6	83.9	83.0	-	69.0	72.3	71.6	70.6	-
Glass containers .....	3221	37.8	38.6	38.1	37.7	-	34.1	35.0	34.2	33.9	-
Pressed and blown glass, nec .....	3229	42.8	45.0	45.8	45.3	-	34.9	37.3	37.4	36.7	-
Products of purchased glass .....	323	55.9	56.9	57.4	57.2	-	41.9	43.0	43.7	43.2	-
Cement, hydraulic .....	324	18.9	18.5	18.2	18.4	-	14.5	14.2	14.1	14.3	-
Structural clay products .....	325	32.4	32.7	33.3	33.4	-	24.7	25.2	25.8	26.1	-
Pottery and related products .....	326	37.2	37.4	37.4	37.1	-	29.0	29.1	29.4	28.8	-
Concrete, gypsum, and plaster products .....	327	197.5	197.1	195.3	195.3	-	150.2	150.3	148.8	148.8	-
Concrete block and brick .....	3271	17.5	17.5	17.6	17.6	-	11.0	11.1	11.3	11.5	-
Concrete products, nec .....	3272	66.2	66.0	63.7	63.7	-	49.8	49.9	47.6	47.5	-
Ready-mixed concrete .....	3273	97.0	96.8	97.2	97.2	-	76.5	76.4	76.9	76.8	-
Misc. nonmetallic mineral products .....	329	77.7	77.6	76.7	76.5	-	57.7	57.4	57.4	57.0	-
Abrasive products .....	3291	20.2	20.4	20.8	20.8	-	15.0	15.1	15.4	15.3	-
Asbestos products .....	3292	4.7	4.7	4.7	4.7	-	3.6	3.6	3.7	3.8	-
Mineral wool .....	3296	23.1	23.0	22.4	22.3	-	-	-	-	-	-
Primary metal industries .....	33	720.8	727.7	709.1	699.9	705.2	541.5	548.6	535.5	528.3	533.7
Blast furnaces and basic steel products .....	331	263.8	264.3	256.0	254.3	253.7	200.6	200.9	192.7	191.2	190.5
Blast furnaces and steel mills .....	3312	200.3	200.5	192.1	191.1	-	153.8	153.8	144.8	144.2	-
Steel pipe and tubes .....	3317	24.8	24.7	24.3	23.9	-	18.1	18.1	18.1	17.6	-
Iron and steel foundries .....	332	125.1	126.5	122.3	120.2	-	98.3	100.2	97.9	96.6	-
Gray and ductile iron foundries .....	3321	75.1	76.8	75.6	74.8	-	60.3	62.0	61.6	60.9	-
Malleable iron foundries .....	3322	7.7	7.9	7.7	6.7	-	5.4	6.0	6.0	5.5	-
Steel foundries, nec .....	3325	26.1	26.2	24.3	24.2	-	20.2	20.3	18.8	18.7	-
Primary nonferrous metals .....	333	44.3	44.1	42.4	42.5	-	33.6	33.4	32.2	32.3	-
Primary aluminum .....	3334	25.1	25.0	24.2	24.4	-	20.1	20.1	19.3	19.5	-
Nonferrous rolling and drawing .....	335	166.3	169.6	166.6	164.2	-	117.4	120.8	120.1	117.9	-
Copper rolling and drawing .....	3351	22.7	23.4	23.6	23.2	-	17.2	17.7	17.8	17.4	-
Aluminum sheet, plate, and foil .....	3353	27.6	27.6	26.6	26.8	-	18.2	18.3	17.9	17.9	-
Nonferrous wire drawing and insulating .....	3357	69.6	72.0	69.8	67.8	-	49.6	51.8	50.7	48.7	-
Nonferrous foundries (castings) .....	336	78.1	79.6	78.6	76.8	-	60.6	62.0	61.4	60.0	-
Aluminum foundries .....	3365	22.7	23.1	22.5	22.2	-	17.6	18.0	17.7	17.4	-
Fabricated metal products .....	34	1,347.1	1,358.2	1,344.7	1,326.0	1,337.6	982.4	992.9	986.8	970.7	982.4
Metal cans and shipping containers .....	341	49.3	49.3	47.8	46.8	-	42.5	42.5	41.5	40.6	-
Metal cans .....	3411	39.8	39.7	38.7	37.8	-	34.8	34.7	34.1	33.4	-
Cutlery, handtools, and hardware .....	342	121.4	122.1	122.9	121.3	-	88.3	89.1	91.2	89.7	-
Hand and edge tools, and blades and handsaws .....	3423.5	41.3	41.4	41.4	40.1	-	29.9	29.9	30.6	29.4	-
Hardware, nec .....	3429	68.7	69.2	69.9	69.4	-	50.7	51.3	52.6	52.1	-
Plumbing and heating, except electric .....	343	54.6	57.0	56.7	56.8	-	38.5	40.8	40.0	40.2	-
Plumbing fixture fittings and trim .....	3432	24.7	25.3	26.6	26.5	-	18.6	19.2	20.0	19.9	-
Heating equipment, except electric .....	3433	18.1	18.9	17.5	17.9	-	11.5	12.5	11.0	11.5	-
Fabricated structural metal products .....	344	413.2	413.4	398.6	397.0	-	290.9	292.0	280.8	279.8	-
Fabricated structural metal .....	3441	74.5	74.4	69.0	68.3	-	53.0	53.1	49.4	48.7	-
Metal doors, sash, and trim .....	3442	73.6	72.9	73.5	73.5	-	52.6	52.4	53.1	53.3	-
Fabricated plate work (boiler shops) .....	3443	105.0	105.8	100.7	99.5	-	70.2	71.0	67.5	66.4	-
Sheet metal work .....	3444	97.0	97.3	94.6	94.4	-	73.0	73.5	70.7	70.7	-
Architectural metal work .....	3446	26.7	26.8	25.4	25.5	-	18.4	18.5	17.3	17.5	-
Screw machine products, bolts, etc .....	345	89.3	89.5	88.5	87.6	-	67.9	68.2	67.4	66.5	-
Screw machine products .....	3451	42.6	42.8	43.8	43.3	-	34.2	34.5	35.5	35.0	-
Bolts, nuts, rivets, and washers .....	3452	46.7	46.7	44.7	44.3	-	33.7	33.7	31.9	31.5	-
Metal forgings and stampings .....	346	208.5	211.9	216.0	209.4	-	163.5	166.1	171.6	165.7	-
Iron and steel forgings .....	3462	30.6	31.0	30.1	29.3	-	23.0	23.3	22.7	22.1	-
Automotive stampings .....	3465	94.2	94.0	98.8	94.5	-	78.5	78.0	83.2	79.1	-
Metal stampings, nec .....	3469	73.9	76.2	76.5	75.1	-	55.2	57.4	57.9	56.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Durable goods—Continued</b>											
<b>Fabricated metal products—Continued</b>											
Metal services, nec .....	347	113.1	116.0	116.9	114.4	-	86.6	89.2	90.4	88.4	-
Plating and polishing .....	3471	68.8	71.4	72.1	70.5	-	52.4	54.8	55.7	54.4	-
Metal coating and allied services .....	3479	44.3	44.6	44.8	43.9	-	34.2	34.4	34.7	34.0	-
Ordnance and accessories, nec .....	348	69.5	69.3	66.5	65.5	-	42.4	42.1	38.5	37.7	-
Ammunition, except for small arms, nec .....	3483	43.0	42.7	40.1	39.4	-	23.6	23.3	20.0	19.6	-
Miscellaneous fabricated metal products .....	349	228.2	229.7	230.8	227.2	-	161.8	162.9	165.4	162.1	-
Valves and pipe fittings, nec .....	3494	28.3	28.3	27.6	27.3	-	19.4	19.4	19.5	19.2	-
Misc. fabricated wire products .....	3496	50.5	50.9	51.9	51.2	-	37.5	37.8	39.1	38.5	-
Industrial machinery and equipment .....	35	1,992.4	1,986.6	1,960.1	1,943.6	1,940.1	1,183.0	1,183.4	1,172.8	1,158.3	1,158.6
Engines and turbines .....	351	87.1	87.9	93.5	93.1	-	53.7	55.0	58.9	58.5	-
Turbines and turbine generator sets .....	3511	27.4	28.1	28.1	28.2	-	15.4	16.5	16.8	16.6	-
Internal combustion engines, nec .....	3519	59.7	59.8	65.4	64.9	-	38.3	38.5	42.1	41.9	-
Farm and garden machinery .....	352	92.6	95.7	95.1	91.4	-	65.5	68.5	67.5	64.4	-
Farm machinery and equipment .....	3523	72.8	73.5	70.7	70.5	-	51.6	52.3	49.4	48.9	-
Construction and related machinery .....	353	218.2	215.4	208.2	205.5	-	130.7	129.0	124.2	121.7	-
Construction machinery .....	3531	78.8	77.0	81.2	79.8	-	47.2	45.8	48.5	47.5	-
Mining machinery .....	3532	16.8	16.4	15.7	15.3	-	9.8	9.4	9.3	8.9	-
Oil and gas field machinery .....	3533	45.3	44.8	37.0	36.1	-	28.2	27.8	22.9	22.1	-
Conveyors and conveying equipment .....	3535	33.4	32.6	31.5	31.5	-	18.3	18.2	17.2	17.1	-
Industrial trucks and tractors .....	3537	24.9	25.5	25.0	25.2	-	16.1	16.6	16.5	16.6	-
Metalworking machinery .....	354	309.8	308.4	305.8	303.7	-	217.5	216.9	214.9	212.4	-
Machine tools, metal cutting types .....	3541	41.0	41.1	37.7	37.0	-	25.6	25.6	23.1	22.6	-
Machine tools, metal forming types .....	3542	16.6	16.9	16.3	16.2	-	10.0	10.3	9.9	9.8	-
Special dies, tools, jigs, and fixtures .....	3544	139.3	138.7	140.5	139.4	-	105.7	105.2	106.7	105.4	-
Machine tool accessories .....	3545	52.1	51.5	51.3	51.0	-	36.3	36.0	36.1	35.6	-
Power driven handtools .....	3546	21.7	21.8	21.2	21.3	-	14.8	15.1	14.2	14.2	-
Special industry machinery .....	355	147.7	148.2	144.3	143.6	-	83.9	84.5	82.8	82.1	-
Textile machinery .....	3552	16.6	16.9	16.8	16.9	-	10.9	11.2	11.3	11.1	-
Printing trades machinery .....	3555	23.8	23.9	21.0	20.6	-	11.8	12.0	11.0	10.7	-
Food products machinery .....	3556	22.0	22.1	22.3	22.6	-	12.8	12.9	13.2	13.4	-
General industrial machinery .....	356	238.5	237.2	234.1	231.6	-	150.0	149.9	148.5	146.2	-
Pumps and pumping equipment .....	3561	31.4	31.2	31.2	31.0	-	17.7	17.6	17.5	17.4	-
Ball and roller bearings .....	3562	39.1	39.4	38.2	37.4	-	30.3	30.6	30.2	29.3	-
Air and gas compressors .....	3563	25.3	25.0	24.7	24.7	-	13.8	13.7	13.7	13.7	-
Blowers and fans .....	3564	31.4	31.3	31.7	31.1	-	21.2	21.3	21.6	21.1	-
Speed changers, drives, and gears .....	3566	15.1	14.9	14.2	14.2	-	10.4	10.3	10.0	10.0	-
Power transmission equipment, nec .....	3568	18.8	18.6	18.9	18.6	-	12.3	12.1	12.5	12.1	-
Computer and office equipment .....	357	418.7	414.5	398.4	398.0	-	139.6	136.8	131.0	131.3	-
Electronic computers .....	3571	259.5	257.3	242.8	242.3	-	68.8	66.9	61.5	61.1	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	62.5	62.1	59.2	58.9	-	25.6	25.5	26.4	26.5	-
Refrigeration and service machinery .....	358	170.6	169.8	177.0	174.9	-	118.2	117.1	125.1	123.1	-
Refrigeration and heating equipment .....	3585	117.4	115.3	123.1	121.2	-	85.2	82.8	91.2	89.4	-
Misc. industrial and commercial machinery .....	359	309.2	309.5	303.7	301.8	-	223.9	225.7	219.9	218.6	-
Carburetors, pistons, rings, valves .....	3592	22.4	22.6	22.2	21.8	-	18.3	18.5	18.0	17.5	-
Scales, balances, and industrial machinery, nec .....	3596,9	241.0	241.8	237.3	235.9	-	179.5	180.9	176.6	175.8	-
Electronic and other electrical equipment .....	36	1,590.4	1,594.7	1,554.7	1,537.8	1,537.3	997.2	1,004.7	989.8	974.0	976.4
Electric distribution equipment .....	361	90.8	90.3	87.0	86.1	-	62.5	62.1	59.9	58.9	-
Transformers, except electronic .....	3612	46.2	45.9	44.8	44.0	-	32.7	32.3	31.6	30.7	-
Switchgear and switchboard apparatus .....	3613	44.6	44.4	42.2	42.1	-	29.8	29.8	28.3	28.2	-
Electrical industrial apparatus .....	362	160.9	161.6	158.7	156.4	-	112.0	112.9	112.0	109.7	-
Motors and generators .....	3621	78.9	79.4	79.1	77.6	-	60.5	61.0	61.3	59.9	-
Relays and industrial controls .....	3625	63.0	63.3	61.1	60.6	-	38.7	39.0	37.7	37.2	-
Household appliances .....	363	118.4	118.5	122.2	117.0	-	94.3	94.7	98.1	93.4	-
Household refrigerators and freezers .....	3632	27.4	26.9	30.0	29.5	-	22.4	22.0	24.8	24.5	-
Household laundry equipment .....	3633	20.9	21.1	20.7	20.5	-	16.5	16.5	15.9	15.9	-
Electric housewares and fans .....	3634	30.8	31.1	30.2	28.1	-	23.7	24.0	23.4	21.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Durable goods—Continued</b>											
Electronic and other electrical equipment—Continued											
Electric lighting and wiring equipment .....	364	170.2	173.9	173.6	169.7	-	121.3	125.1	125.3	121.3	-
Electric lamps .....	3641	20.8	21.1	20.8	19.6	-	17.4	17.6	17.5	16.1	-
Current-carrying wiring devices .....	3643	67.3	68.2	66.5	65.9	-	43.8	45.2	44.4	43.9	-
Noncurrent-carrying wiring devices .....	3644	15.4	16.6	16.3	15.6	-	10.8	11.7	11.6	10.9	-
Residential lighting fixtures .....	3645	18.8	19.7	20.8	20.4	-	14.1	14.8	15.7	15.2	-
Household audio and video equipment .....	365	84.3	86.1	83.9	84.0	-	56.6	58.4	56.4	56.8	-
Household audio and video equipment .....	3651	61.0	62.4	60.5	60.6	-	39.1	40.5	39.3	39.6	-
Communications equipment .....	366	251.4	250.3	237.4	236.3	-	127.1	126.7	120.4	119.7	-
Telephone and telegraph apparatus .....	3661	117.9	117.5	111.8	111.7	-	64.4	64.4	61.0	61.3	-
Electronic components and accessories .....	367	559.1	554.9	535.8	534.3	-	318.7	315.5	310.0	308.4	-
Electron tubes .....	3671	28.4	27.9	26.2	25.7	-	18.8	18.4	17.5	17.2	-
Semiconductors and related devices .....	3674	236.1	234.3	224.9	225.4	-	95.4	94.3	93.8	93.8	-
Electronic components, nec .....	3679	134.7	134.2	130.0	128.7	-	87.2	86.8	84.4	83.0	-
Misc. electrical equipment and supplies .....	369	155.3	159.1	156.1	154.0	-	104.7	109.3	107.7	105.8	-
Storage batteries .....	3691	26.3	28.4	28.3	27.8	-	19.9	22.0	21.9	21.4	-
Engine electrical equipment .....	3694	64.9	65.6	64.8	63.7	-	48.6	49.5	49.2	48.2	-
Transportation equipment .....	37	1,882.1	1,891.8	1,848.5	1,818.9	1,812.5	1,167.3	1,176.3	1,159.6	1,137.5	1,135.4
Motor vehicles and equipment .....	371	790.9	803.6	826.6	809.3	814.7	606.2	616.5	632.1	618.5	623.6
Motor vehicles and car bodies .....	3711	318.2	324.3	328.7	324.0	-	235.3	240.4	238.5	235.1	-
Truck and bus bodies .....	3713	36.1	35.9	35.6	35.6	-	27.7	27.4	28.1	28.2	-
Motor vehicle parts and accessories .....	3714	394.8	400.5	415.7	403.4	-	311.0	315.6	329.5	319.4	-
Truck trailers .....	3715	24.3	25.0	26.9	27.4	-	18.8	19.4	21.1	21.6	-
Aircraft and parts .....	372	664.8	662.3	621.1	615.1	-	319.7	318.5	295.3	290.7	-
Aircraft .....	3721	354.5	354.5	338.7	336.1	-	150.5	150.3	140.8	139.0	-
Aircraft engines and engine parts .....	3724	141.3	139.4	127.8	126.7	-	71.8	70.4	65.1	64.4	-
Aircraft parts and equipment, nec .....	3728	169.0	168.4	154.6	152.3	-	97.4	97.8	89.4	87.3	-
Ship and boat building and repairing .....	373	174.6	175.7	172.0	169.2	-	134.8	135.6	132.1	129.3	-
Ship building and repairing .....	3731	128.6	129.3	124.1	121.9	-	97.2	97.7	93.4	91.1	-
Boat building and repairing .....	3732	46.0	46.4	47.9	47.3	-	37.6	37.9	38.7	38.2	-
Railroad equipment .....	374	30.5	29.9	28.9	28.4	-	22.2	21.8	21.5	21.1	-
Guided missiles, space vehicles, and parts .....	376	164.5	162.9	141.0	138.4	-	46.6	45.9	38.2	37.9	-
Guided missiles and space vehicles .....	3761	117.7	116.4	100.6	98.9	-	31.8	31.0	25.7	25.5	-
Miscellaneous transportation equipment .....	379	42.0	42.4	43.0	42.5	-	27.1	27.3	28.6	28.1	-
Travel trailers and campers .....	3792	16.1	16.5	17.7	17.4	-	12.6	13.0	14.2	13.9	-
Instruments and related products .....	38	978.9	978.7	948.4	940.8	938.0	479.1	480.0	463.9	459.4	459.5
Search and navigation equipment .....	381	262.3	261.1	239.9	237.0	-	82.8	82.4	75.4	74.2	-
Measuring and controlling devices .....	382	305.2	305.0	293.9	290.6	-	165.9	166.1	155.4	153.4	-
Environmental controls .....	3822	44.3	45.2	45.6	45.4	-	29.6	30.5	31.5	31.2	-
Process control instruments .....	3823	62.2	62.1	59.2	58.4	-	31.4	31.6	28.5	28.0	-
Instruments to measure electricity .....	3825	85.7	85.3	80.3	80.4	-	43.2	42.9	39.4	39.5	-
Medical instruments and supplies .....	384	259.3	261.9	267.6	267.5	-	149.6	151.0	155.7	155.6	-
Surgical and medical instruments .....	3841	110.2	111.0	113.8	113.5	-	65.4	66.2	67.5	67.8	-
Surgical appliances and supplies .....	3842	92.6	93.6	95.0	95.2	-	59.3	59.9	62.0	61.8	-
Ophthalmic goods .....	385	41.6	41.6	40.8	40.6	-	28.9	28.8	27.6	27.4	-
Photographic equipment and supplies .....	386	100.6	99.3	97.2	96.9	-	44.0	43.9	42.6	42.3	-
Watches, clocks, watchcases, and parts .....	387	9.9	9.8	9.0	8.2	-	7.9	7.8	7.2	6.5	-
Miscellaneous manufacturing industries .....	39	360.1	368.0	368.6	364.8	369.2	257.7	265.7	265.7	261.7	266.1
Jewelry, silverware, and plated ware .....	391	48.0	50.2	51.2	50.5	-	33.6	35.9	36.3	35.4	-
Jewelry, precious metal .....	3911	35.0	36.8	37.1	36.7	-	24.4	26.3	26.1	25.5	-
Musical instruments .....	393	11.9	12.0	12.5	12.3	-	9.6	9.9	10.3	10.0	-
Toys and sporting goods .....	394	102.8	103.7	107.0	105.4	-	74.4	75.3	78.0	76.3	-
Dolls, games, toys, and children's vehicles .....	3942,4	41.7	43.1	43.7	43.2	-	29.6	31.0	31.0	30.4	-
Sporting and athletic goods, nec .....	3949	61.1	60.6	63.3	62.2	-	44.8	44.3	47.0	45.9	-
Pens, pencils, office, and art supplies .....	395	32.7	32.8	33.5	33.1	-	23.1	23.1	22.7	22.3	-
Costume jewelry and notions .....	396	29.8	31.7	28.7	27.8	-	21.2	22.8	20.8	20.1	-
Costume jewelry .....	3961	18.1	19.8	16.8	16.2	-	12.3	13.9	11.8	11.3	-
Miscellaneous manufactures .....	399	134.9	137.6	135.7	135.7	-	95.8	98.7	97.6	97.6	-
Signs and advertising specialties .....	3993	54.9	55.2	54.3	55.1	-	37.5	37.8	37.5	38.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>P</sup>	Aug. 1992 <sup>P</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>P</sup>	Aug. 1992 <sup>P</sup>
<b>Nondurable goods</b> .....		7,833	7,972	7,898	7,890	7,958	5,454	5,593	5,524	5,517	5,583
Food and kindred products .....	20	1,697.1	1,767.0	1,672.6	1,719.9	1,753.8	1,227.2	1,296.6	1,214.3	1,261.9	1,296.7
Meat products .....	201	426.8	428.1	434.4	436.1	-	364.4	365.7	369.2	370.7	-
Meat packing plants .....	2011	136.8	137.2	141.2	141.0	-	117.1	117.3	118.9	118.6	-
Sausages and other prepared meats .....	2013	87.4	87.1	87.0	86.9	-	65.9	65.8	66.1	66.0	-
Poultry slaughtering and processing .....	2015	202.6	203.8	206.2	208.2	-	181.4	182.6	184.2	186.1	-
Dairy products .....	202	160.2	159.1	157.9	157.2	-	99.9	99.1	98.9	99.1	-
Cheese, natural and processed .....	2022	42.8	42.7	42.5	42.5	-	33.1	33.1	33.1	33.2	-
Fluid milk .....	2026	72.8	72.6	71.5	70.8	-	36.5	36.2	36.8	36.7	-
Preserved fruits and vegetables .....	203	266.7	329.4	248.3	289.5	-	225.3	285.4	208.1	249.6	-
Canned specialties .....	2032	22.7	25.2	21.6	22.3	-	18.6	20.9	17.7	18.2	-
Canned fruits and vegetables .....	2033	99.8	147.9	82.9	119.2	-	86.5	132.9	69.7	106.0	-
Frozen fruits and vegetables .....	2037	52.3	59.7	50.5	54.1	-	45.5	53.0	44.1	47.7	-
Grain mill products .....	204	127.5	129.7	128.3	128.0	-	89.3	91.3	89.8	89.8	-
Flour and other grain mill products .....	2041	20.5	21.0	20.3	20.4	-	13.5	13.9	13.1	13.3	-
Prepared feeds, nec .....	2048	45.9	46.1	46.3	46.0	-	29.2	29.3	29.3	29.0	-
Bakery products .....	205	215.8	215.9	211.6	212.0	-	135.9	136.6	135.5	135.7	-
Bread, cake, and related products .....	2051	157.7	157.4	152.8	152.8	-	91.2	91.7	90.2	90.2	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	58.1	58.5	58.8	59.2	-	44.7	44.9	45.3	45.5	-
Sugar and confectionery products .....	206	92.9	99.6	96.4	95.8	-	70.7	76.8	73.6	73.0	-
Raw cane sugar .....	2061	5.2	6.2	6.8	5.7	-	3.8	4.6	5.2	4.4	-
Cane sugar refining .....	2062	5.4	5.3	5.3	5.3	-	4.0	4.0	3.8	3.8	-
Beet sugar .....	2063	7.1	7.3	6.9	7.0	-	5.7	5.7	5.6	5.7	-
Candy and other confectionery products .....	2064	45.1	49.2	47.2	47.6	-	35.9	39.9	37.5	37.8	-
Fats and oils .....	207	31.0	31.2	31.4	31.4	-	20.6	20.7	20.7	20.7	-
Beverages .....	208	187.2	185.7	179.9	180.6	-	79.0	79.0	79.2	79.2	-
Malt beverages .....	2082	40.6	40.2	38.8	38.5	-	23.8	23.7	23.5	23.1	-
Bottled and canned soft drinks .....	2086	102.0	101.4	98.6	100.0	-	34.5	34.4	35.1	35.9	-
Misc. food and kindred products .....	209	189.0	188.3	184.4	189.3	-	142.1	142.0	139.3	144.1	-
Tobacco products .....	21	45.8	51.2	45.4	45.6	50.8	33.2	38.4	33.1	33.2	36.5
Cigarettes .....	211	35.3	34.7	34.5	34.6	-	26.4	25.9	26.0	25.9	-
Textile mill products .....	22	667.5	678.9	683.6	675.4	678.7	571.6	582.1	585.9	577.5	581.3
Broadwoven fabric mills, cotton .....	221	85.8	87.6	85.7	85.2	-	76.2	78.0	76.2	75.6	-
Broadwoven fabric mills, synthetics .....	222	73.0	73.7	74.2	73.9	-	64.3	64.7	64.4	64.0	-
Broadwoven fabric mills, wool .....	223	17.2	17.5	18.0	17.7	-	14.2	14.4	15.1	14.9	-
Narrow fabric mills .....	224	22.7	23.8	23.9	23.6	-	19.1	20.0	20.1	19.8	-
Knitting mills .....	225	199.2	201.3	203.6	202.0	-	173.4	175.7	177.6	176.0	-
Women's hosiery, except socks .....	2251	31.1	31.1	30.9	30.6	-	27.8	27.8	27.5	27.3	-
Hosiery, nec .....	2252	37.8	38.6	38.6	38.5	-	33.5	34.3	34.9	34.8	-
Knit outerwear mills .....	2253	54.8	55.7	57.1	56.8	-	48.3	49.2	50.0	49.6	-
Knit underwear mills .....	2254	28.0	27.8	28.4	28.2	-	24.2	24.1	24.5	24.4	-
Weft knit fabric mills .....	2257	26.4	26.5	27.3	26.8	-	22.5	22.7	23.3	22.8	-
Textile finishing, except wool .....	226	63.9	65.2	66.3	64.5	-	52.1	53.3	54.7	52.8	-
Finishing plants, cotton .....	2261	25.9	26.4	26.8	26.1	-	20.8	21.3	22.2	21.5	-
Finishing plants, synthetics .....	2262	25.2	25.7	26.3	25.6	-	20.4	20.9	21.3	20.5	-
Carpets and rugs .....	227	56.5	57.1	59.0	59.1	-	45.9	46.4	47.6	47.7	-
Yarn and thread mills .....	228	99.6	101.7	102.0	99.1	-	88.6	90.4	91.3	88.2	-
Yarn spinning mills .....	2281	79.1	80.1	80.5	80.1	-	70.6	71.6	72.5	72.0	-
Throwing and winding mills .....	2282	14.1	14.4	14.4	14.1	-	12.3	12.5	12.5	12.2	-
Miscellaneous textile goods .....	229	49.6	51.0	50.9	50.3	-	37.8	39.2	38.9	38.5	-
Apparel and other textile products .....	23	987.8	1,016.4	1,030.4	1,006.8	1,020.5	824.5	850.9	863.3	841.6	854.4
Men's and boys' suits and coats .....	231	46.7	47.3	45.0	42.5	-	39.0	39.4	37.5	35.3	-
Men's and boys' furnishings .....	232	265.6	273.7	288.3	283.5	-	227.3	234.9	248.0	243.6	-
Men's and boys' shirts .....	2321	61.1	62.3	64.6	63.9	-	52.1	53.5	55.1	54.5	-
Men's and boys' trousers and slacks .....	2325	81.2	85.7	90.3	87.6	-	70.2	74.3	78.8	76.2	-
Men's and boys' work clothing .....	2326	42.2	42.5	44.5	43.9	-	36.4	36.7	38.9	38.3	-
Women's and misses' outerwear .....	233	309.2	319.4	321.0	311.6	-	258.1	267.2	269.1	260.1	-
Women's and misses' blouses and shirts .....	2331	35.9	36.5	36.6	35.4	-	29.6	30.0	30.2	29.1	-
Women's, juniors', and misses' dresses .....	2335	61.9	64.8	61.3	58.7	-	50.4	53.1	49.7	47.3	-
Women's and misses' suits and coats .....	2337	34.5	35.0	32.1	31.8	-	29.2	29.6	27.2	26.8	-
Women's and misses' outerwear, nec .....	2339	176.9	183.1	191.0	185.7	-	148.9	154.5	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 <sup>1</sup>				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Apparel and other textile products—Continued											
Women's and children's undergarments .....	234	58.8	60.1	56.0	55.3	-	47.8	49.1	45.8	45.0	-
Women's and children's underwear .....	2341	48.2	49.2	44.9	44.2	-	40.7	41.5	38.1	37.3	-
Brassieres, girdles, and allied garments .....	2342	10.6	10.9	11.1	11.1	-	7.1	7.6	7.7	7.7	-
Girls' and children's outerwear .....	236	52.9	53.2	53.4	51.9	-	45.1	45.3	45.5	44.0	-
Girls' and children's dresses and blouses .....	2361	21.7	21.9	21.3	20.8	-	19.2	19.4	18.6	18.0	-
Misc. apparel and accessories .....	238	40.0	43.6	43.4	42.4	-	32.4	35.8	35.3	34.4	-
Misc. fabricated textile products .....	239	197.2	201.8	205.9	202.5	-	160.6	164.9	167.7	165.0	-
Curtains and draperies .....	2391	21.6	22.2	22.2	21.1	-	17.7	18.3	18.2	17.5	-
House furnishings, nec .....	2392	50.6	52.3	53.1	52.8	-	41.9	43.9	44.6	44.4	-
Automotive and apparel trimmings .....	2396	52.0	53.3	56.1	55.3	-	42.3	43.6	45.8	44.9	-
Paper and allied products .....	26	690.0	693.9	694.3	693.1	692.8	518.8	523.1	523.8	523.2	522.5
Paper mills .....	262	184.1	183.9	182.5	182.4	-	140.3	140.1	138.8	139.0	-
Paperboard mills .....	263	50.9	50.5	49.8	49.8	-	39.3	39.1	38.3	38.3	-
Paperboard containers and boxes .....	265	205.4	207.9	210.7	209.1	-	158.7	161.6	165.2	163.4	-
Corrugated and solid fiber boxes .....	2653	116.7	117.5	119.4	118.2	-	87.4	88.3	89.6	88.6	-
Sanitary food containers .....	2656	15.4	15.2	15.9	15.8	-	13.1	13.1	14.1	13.9	-
Folding paperboard boxes .....	2657	48.7	49.5	49.5	49.3	-	39.3	40.1	40.3	39.9	-
Misc. converted paper products .....	267	235.2	237.2	237.2	237.6	-	169.2	171.2	170.6	171.4	-
Paper, coated and laminated, nec .....	2672	45.1	45.7	45.3	45.4	-	22.0	22.6	22.0	22.2	-
Bags: plastics, laminated, and coated .....	2673	33.9	34.2	34.2	34.3	-	25.3	25.5	25.6	25.7	-
Envelopes .....	2677	24.5	24.8	24.9	24.6	-	18.8	19.2	19.1	18.7	-
Printing and publishing .....	27	1,533.2	1,530.3	1,521.4	1,517.2	1,515.4	843.2	842.9	839.7	836.7	834.2
Newspapers .....	271	457.5	455.8	453.2	452.4	-	158.8	158.6	157.7	157.4	-
Periodicals .....	272	126.6	126.7	123.8	123.6	-	44.5	44.8	42.1	42.2	-
Books .....	273	119.4	117.5	118.6	119.0	-	64.6	63.2	65.8	65.6	-
Book publishing .....	2731	83.2	81.8	83.4	83.5	-	35.2	34.1	36.8	36.5	-
Book printing .....	2732	36.2	35.7	35.2	35.5	-	29.4	29.1	29.0	29.1	-
Miscellaneous publishing .....	274	83.3	82.9	82.6	82.9	-	40.8	40.6	40.8	41.2	-
Commercial printing .....	275	538.5	538.9	538.6	535.0	-	388.0	388.7	388.5	385.6	-
Commercial printing, lithographic .....	2752	358.6	358.2	355.8	353.9	-	257.8	257.8	255.4	253.6	-
Commercial printing, nec .....	2759	161.3	162.0	164.4	162.7	-	115.3	115.9	118.4	117.3	-
Manifold business forms .....	276	48.9	49.0	48.3	48.1	-	34.0	34.1	33.2	33.2	-
Blankbooks and bookbinding .....	278	70.1	70.6	69.2	68.8	-	53.5	53.8	52.8	52.4	-
Printing trade services .....	279	61.2	61.2	60.5	60.4	-	44.1	44.0	43.8	43.9	-
Chemicals and allied products .....	28	1,073.9	1,078.0	1,080.2	1,076.7	1,080.0	577.9	582.8	571.8	566.4	571.1
Industrial inorganic chemicals .....	281	125.3	125.7	126.8	126.1	-	61.8	62.1	57.5	56.7	-
Industrial inorganic chemicals, nec .....	2819	79.4	79.3	81.2	80.9	-	40.9	40.7	38.3	37.9	-
Plastics materials and synthetics .....	282	178.0	177.5	174.3	173.6	-	109.8	109.8	105.7	105.0	-
Plastics materials and resins .....	2821	86.1	85.6	85.7	85.5	-	50.7	50.8	52.1	52.0	-
Organic fibers, noncellulosic .....	2824	63.1	63.3	60.0	59.6	-	40.5	40.6	35.0	34.2	-
Drugs .....	283	247.0	247.9	252.9	253.6	-	108.6	109.5	112.8	112.1	-
Pharmaceutical preparations .....	2834	205.1	205.9	210.7	211.3	-	92.7	93.9	96.3	95.8	-
Soap, cleaners, and toilet goods .....	284	154.5	158.1	159.4	159.1	-	94.1	98.0	97.5	96.9	-
Soap and other detergents .....	2841	42.9	43.0	43.9	44.2	-	27.3	27.6	27.7	27.7	-
Polishing, sanitation, and finishing preparations .....	2842,3	44.4	44.7	44.7	44.6	-	24.3	24.6	24.6	24.4	-
Toilet preparations .....	2844	67.2	70.4	70.8	70.3	-	42.5	45.8	45.2	44.8	-
Paints and allied products .....	285	58.3	58.5	57.7	57.8	-	30.2	30.3	30.3	30.4	-
Industrial organic chemicals .....	286	156.5	156.3	154.3	153.3	-	81.4	80.8	76.2	74.8	-
Cyclic crudes and intermediates .....	2865	27.1	27.2	27.3	26.9	-	15.6	15.7	15.7	15.3	-
Industrial organic chemicals, nec .....	2869	124.8	124.5	122.4	121.9	-	62.6	62.0	57.2	56.2	-
Agricultural chemicals .....	287	56.1	55.6	57.1	56.2	-	33.8	33.5	33.9	33.1	-
Miscellaneous chemical products .....	289	98.2	98.4	97.7	97.0	-	58.2	58.8	57.9	57.4	-
Petroleum and coal products .....	29	163.2	163.4	157.9	157.5	158.1	106.1	106.5	104.3	104.3	104.7
Petroleum refining .....	291	122.4	122.8	117.7	117.2	-	77.5	77.9	76.1	76.0	-
Asphalt paving and roofing materials .....	295	28.2	28.1	28.4	28.7	-	21.7	21.8	21.9	22.2	-
Rubber and misc. plastics products .....	30	852.9	866.0	888.2	876.6	883.3	653.2	666.3	686.9	675.5	681.9
Tires and inner tubes .....	301	79.4	80.1	83.1	83.2	-	58.3	59.2	62.0	62.0	-
Rubber and plastics footwear .....	302	9.7	11.1	10.9	10.1	-	7.5	8.9	8.8	8.5	-
Hose, belting, gaskets, and packing .....	305	57.5	57.8	59.3	58.7	-	41.8	42.1	43.9	43.5	-
Rubber and plastics hose and belting .....	3052	23.2	23.4	23.9	23.6	-	17.5	17.6	18.3	18.1	-
Fabricated rubber products, nec .....	306	97.0	100.0	101.1	98.2	-	71.8	74.9	75.8	72.8	-
Miscellaneous plastics products, nec .....	308	609.3	617.0	633.8	626.4	-	473.8	481.2	496.4	488.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Leather and leather products .....	31	121.1	126.6	124.1	120.7	124.3	97.8	103.0	100.6	97.1	100.0
Leather tanning and finishing .....	311	14.1	14.8	15.8	14.9	-	11.5	12.2	12.8	12.2	-
Footwear, except rubber .....	314	66.4	69.1	67.1	64.8	-	55.7	58.1	56.3	53.4	-
Men's footwear, except athletic .....	3143	30.0	30.4	29.6	28.9	-	24.3	24.6	23.8	22.6	-
Women's footwear, except athletic .....	3144	24.2	24.6	24.8	24.3	-	20.6	21.0	21.5	21.0	-
Luggage .....	316	10.0	10.7	10.1	9.8	-	6.4	7.0	7.2	7.0	-
Handbags and personal leather goods .....	317	13.6	14.5	13.4	13.5	-	10.3	11.2	9.9	9.9	-
<b>Transportation and public utilities .....</b>		<b>5,766</b>	<b>5,775</b>	<b>5,776</b>	<b>5,739</b>	<b>5,738</b>	<b>4,795</b>	<b>4,808</b>	<b>4,823</b>	<b>4,784</b>	<b>4,785</b>
Transportation .....		3,489	3,502	3,542	3,503	3,505	-	-	-	-	-
Railroad transportation .....	40	266.4	265.9	260.3	260.9	-	-	-	-	-	-
Class I railroads <sup>2</sup> .....	4011	233.8	233.4	223.6	223.3	-	-	-	-	-	-
Local and interurban passenger transit .....	41	296.9	297.1	353.6	303.2	-	268.6	269.1	324.2	274.8	-
Local and suburban transportation .....	411	154.9	155.0	157.7	157.4	-	140.9	141.2	143.2	143.1	-
Taxicabs .....	412	31.2	31.0	29.4	28.7	-	-	-	-	-	-
Intercity and rural bus transportation .....	413	24.6	24.9	23.5	23.5	-	21.8	22.1	21.0	20.8	-
School buses .....	415	58.9	58.7	113.3	66.4	-	-	-	-	-	-
Trucking and warehousing .....	42	1,623.2	1,637.7	1,630.3	1,635.3	-	1,413.9	1,427.8	1,420.8	1,425.2	-
Trucking and courier services, except air .....	421	1,503.5	1,515.4	1,508.7	1,513.8	-	1,314.9	1,326.3	1,319.2	1,324.3	-
Public warehousing and storage .....	422	116.0	118.5	118.0	117.8	-	95.7	98.1	98.3	97.6	-
Water transportation .....	44	198.9	198.4	191.3	192.8	-	-	-	-	-	-
Water transportation of freight, nec .....	444	15.0	14.8	14.7	14.6	-	-	-	-	-	-
Water transportation services .....	449	130.1	129.4	122.5	123.3	-	115.7	115.4	109.7	110.3	-
Transportation by air .....	45	739.6	738.1	736.8	741.0	-	-	-	-	-	-
Air transportation, scheduled .....	451	609.4	608.7	605.7	610.8	-	-	-	-	-	-
Airports, flying fields, and services .....	458	101.0	100.2	101.5	100.6	-	-	-	-	-	-
Pipelines, except natural gas .....	46	19.8	19.6	19.3	19.3	-	14.7	14.6	14.7	14.8	-
Transportation services .....	47	344.2	345.0	350.2	350.1	-	269.2	270.7	276.4	276.1	-
Passenger transportation arrangement .....	472	182.9	183.8	190.2	189.4	-	141.6	142.6	149.4	148.6	-
Travel agencies .....	4724	145.8	147.1	150.6	149.7	-	112.2	113.5	117.9	117.3	-
Freight transportation arrangement .....	473	131.7	131.7	129.1	129.1	-	103.0	103.5	101.5	101.6	-
Communications and public utilities .....		2,277	2,273	2,234	2,236	2,233	-	-	-	-	-
Communications .....	48	1,301.5	1,298.6	1,265.1	1,267.0	-	992.8	991.0	972.3	969.9	-
Telephone communications .....	481	908.7	905.1	874.1	876.6	-	672.5	670.2	651.8	649.9	-
Radio and television broadcasting .....	483	229.6	229.4	226.6	226.5	-	190.6	190.3	188.4	188.6	-
Radio broadcasting stations .....	4832	117.4	117.5	115.7	115.5	-	-	-	-	-	-
Television broadcasting stations .....	4833	112.2	111.9	110.9	111.0	-	-	-	-	-	-
Cable and other pay television services .....	484	128.7	129.3	130.2	129.8	-	108.3	109.0	110.7	110.3	-
Electric, gas, and sanitary services .....	49	975.2	974.8	968.5	968.7	-	773.0	772.9	763.9	765.2	-
Electric services .....	491	452.0	453.3	447.6	447.2	-	350.8	351.5	347.2	348.2	-
Gas production and distribution .....	492	169.3	168.7	163.4	163.8	-	133.6	133.0	127.2	127.4	-
Combination utility services .....	493	196.8	196.1	195.3	196.0	-	155.6	155.5	152.2	152.8	-
Sanitary services .....	495	124.9	124.8	129.9	129.4	-	107.6	107.7	111.8	111.3	-
<b>Wholesale trade .....</b>		<b>6,105</b>	<b>6,087</b>	<b>6,029</b>	<b>6,012</b>	<b>6,000</b>	<b>4,898</b>	<b>4,882</b>	<b>4,852</b>	<b>4,837</b>	<b>4,829</b>
Durable goods .....	50	3,540	3,528	3,465	3,455	3,443	2,806	2,796	2,754	2,746	-
Motor vehicles, parts, and supplies .....	501	448.7	447.0	442.3	441.1	-	360.8	359.3	355.2	354.4	-
Automobiles and other motor vehicles .....	5012	112.0	111.7	109.8	109.3	-	-	-	-	-	-
Motor vehicle supplies and new parts .....	5013	267.6	266.1	262.9	262.6	-	-	-	-	-	-
Furniture and home furnishings .....	502	141.0	141.1	138.6	138.0	-	111.7	111.8	109.7	109.0	-
Furniture .....	5021	64.6	64.7	61.6	61.3	-	-	-	-	-	-
Home furnishings .....	5023	76.4	76.4	77.0	76.7	-	-	-	-	-	-
Lumber and other construction materials .....	503	214.5	214.7	214.0	214.2	-	173.5	173.8	172.0	172.7	-
Lumber, plywood, and millwork .....	5031	111.0	111.0	111.4	111.2	-	-	-	-	-	-
Construction materials, nec .....	5039	38.8	38.7	39.2	39.1	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Wholesale trade—Continued</b>											
Durable goods—Continued											
Professional and commercial equipment .....	504	785.5	779.3	753.6	750.0	-	633.3	628.3	609.4	607.0	-
Computers, peripherals and software .....	5045	313.4	307.2	287.2	284.0	-	-	-	-	-	-
Medical and hospital equipment .....	5047	138.5	138.4	140.5	140.8	-	113.5	113.6	115.4	116.0	-
Metals and minerals, except petroleum .....	505	132.4	132.7	131.4	130.2	-	103.8	104.2	104.1	103.2	-
Electrical goods .....	506	477.4	475.2	467.7	467.7	-	360.1	358.1	358.3	358.3	-
Electrical apparatus and equipment .....	5063	195.7	195.4	194.5	194.7	-	-	-	-	-	-
Electrical appliances, television and radio sets .....	5064	57.4	56.6	52.5	52.4	-	-	-	-	-	-
Electronic parts and equipment .....	5065	224.3	223.2	220.7	220.6	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	270.7	269.2	266.8	266.5	-	216.1	214.5	212.7	212.3	-
Hardware .....	5072	93.1	92.3	91.2	91.2	-	-	-	-	-	-
Plumbing and hydronic heating supplies .....	5074	111.5	111.2	109.9	109.6	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	780.9	777.1	760.0	760.4	-	617.5	613.7	600.4	599.8	-
Construction and mining machinery .....	5082	76.3	75.8	73.0	73.1	-	-	-	-	-	-
Farm and garden machinery .....	5083	118.8	117.7	116.7	116.3	-	-	-	-	-	-
Industrial machinery and equipment .....	5084	317.5	315.9	305.5	305.8	-	-	-	-	-	-
Industrial supplies .....	5085	145.9	145.5	144.1	144.1	-	-	-	-	-	-
Misc. wholesale trade durable goods .....	509	289.2	291.9	290.7	287.2	-	229.3	232.0	232.0	229.4	-
Scrap and waste materials .....	5093	106.9	107.3	105.0	103.8	-	-	-	-	-	-
Nondurable goods .....	51	2,565	2,559	2,564	2,557	2,557	2,092	2,086	2,098	2,091	-
Paper and paper products .....	511	241.5	241.3	241.1	241.0	-	195.5	194.9	194.8	195.0	-
Drugs, proprietaries, and sundries .....	512	186.2	187.1	189.4	190.1	-	156.4	157.4	158.1	158.7	-
Apparel, piece goods, and notions .....	513	199.2	200.6	197.4	198.2	-	156.1	157.4	155.3	156.8	-
Groceries and related products .....	514	857.8	853.5	861.9	856.1	-	719.0	714.8	726.2	719.4	-
Groceries, general line .....	5141	272.0	270.6	271.2	271.7	-	-	-	-	-	-
Meats and meat products .....	5147	60.2	60.3	61.5	61.3	-	-	-	-	-	-
Fresh fruits and vegetables .....	5148	104.6	98.6	106.1	98.2	-	-	-	-	-	-
Farm-product raw materials .....	515	115.1	115.6	113.9	113.2	-	94.0	94.9	93.1	92.1	-
Chemicals and allied products .....	516	136.2	136.0	128.6	127.1	-	99.7	99.4	96.7	95.4	-
Petroleum and petroleum products .....	517	188.7	189.0	184.8	184.2	-	150.3	150.2	148.4	148.0	-
Petroleum bulk stations and terminals .....	5171	80.2	80.1	78.6	78.3	-	-	-	-	-	-
Petroleum products, nec .....	5172	108.5	108.9	106.2	105.9	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	150.6	149.3	151.9	152.7	-	123.3	122.0	123.3	123.8	-
Beer and ale .....	5181	97.8	97.5	98.9	99.8	-	-	-	-	-	-
Wine and distilled beverages .....	5182	52.8	51.8	53.0	52.9	-	-	-	-	-	-
Misc. wholesale trade nondurable goods .....	519	489.6	486.9	495.1	494.7	-	398.0	394.6	402.1	401.5	-
Farm supplies .....	5191	157.7	154.1	161.0	159.5	-	-	-	-	-	-
<b>Retail trade .....</b>		<b>19,342</b>	<b>19,411</b>	<b>19,328</b>	<b>19,276</b>	<b>19,281</b>	<b>17,077</b>	<b>17,132</b>	<b>17,026</b>	<b>16,980</b>	<b>16,976</b>
Building materials and garden supplies .....	52	769.8	761.8	791.0	785.7	-	638.5	629.1	655.4	649.8	-
Lumber and other building materials .....	521	432.8	428.8	443.3	444.6	-	365.5	360.8	373.7	374.5	-
Hardware stores .....	525	159.2	158.2	161.9	161.8	-	131.1	129.7	132.9	132.8	-
Retail nurseries and garden stores .....	526	82.1	78.2	90.0	83.1	-	67.3	63.5	74.6	67.7	-
General merchandise stores .....	53	2,365.7	2,374.0	2,269.8	2,255.3	2,258.6	2,221.9	2,227.4	2,120.0	2,106.1	-
Department stores .....	531	1,993.2	2,000.9	1,898.0	1,884.4	-	1,890.0	1,896.9	1,788.4	1,775.9	-
Variety stores .....	533	161.5	161.1	162.3	161.1	-	145.0	144.8	146.5	145.1	-
Miscellaneous general merchandise stores .....	539	211.0	212.0	209.5	209.8	-	186.9	185.7	185.1	185.1	-
Food stores .....	54	3,226.5	3,212.0	3,201.8	3,194.5	3,181.5	2,952.5	2,937.4	2,922.9	2,918.0	-
Grocery stores .....	541	2,895.9	2,878.1	2,851.0	2,847.6	-	2,664.2	2,646.6	2,618.7	2,617.0	-
Meat and fish markets .....	542	47.5	48.4	52.3	51.8	-	-	-	-	-	-
Dairy products stores .....	545	22.4	21.8	22.6	22.6	-	-	-	-	-	-
Retail bakeries .....	546	158.6	160.4	169.0	166.0	-	141.4	143.1	151.2	148.7	-
Automotive dealers and service stations .....	55	2,022.0	2,023.0	2,029.0	2,038.9	2,044.2	1,680.4	1,682.8	1,687.0	1,696.6	-
New and used car dealers .....	551	889.5	892.4	902.5	905.7	-	735.6	739.0	748.5	751.7	-
Auto and home supply stores .....	553	338.7	340.3	344.9	347.5	-	269.7	271.5	273.0	276.3	-
Gasoline service stations .....	554	638.2	636.3	622.5	626.1	-	551.0	549.2	538.4	540.9	-
Automotive dealers, nec .....	559	8.9	9.0	8.8	8.9	-	7.2	7.4	7.3	7.4	-
Apparel and accessory stores .....	56	1,138.6	1,154.2	1,125.5	1,127.0	-	939.5	951.8	927.8	931.1	-
Men's and boys' clothing stores .....	561	90.9	90.0	88.2	87.1	-	72.8	72.6	72.0	71.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Retail trade—Continued</b>											
Apparel and accessory stores—Continued											
Women's clothing stores .....	562	383.7	384.1	373.6	370.8	-	317.2	316.2	307.5	304.6	-
Family clothing stores .....	565	294.6	303.4	294.9	300.1	-	252.8	261.3	253.3	258.3	-
Shoe stores .....	566	208.8	213.9	208.4	208.6	-	164.0	166.2	162.4	164.3	-
Furniture and home furnishings stores .....											
Furniture and home furnishings stores .....	57	792.3	795.3	794.6	792.9	-	641.6	644.2	643.8	642.9	-
Furniture stores .....	571	437.1	436.9	443.2	443.1	-	352.5	352.2	358.6	359.0	-
Furniture stores .....	5712	264.2	264.3	267.5	266.3	-	-	-	-	-	-
Household appliance stores .....	572	76.0	75.5	68.3	67.5	-	61.6	61.0	55.4	54.9	-
Radio, television, and computer stores .....	573	279.2	282.9	283.1	282.3	-	227.5	231.0	229.8	229.0	-
Radio, television, and electronic stores .....	5731	115.8	117.3	115.7	115.9	-	96.4	97.7	95.1	94.8	-
Record and prerecorded tape stores .....	5735	62.1	63.4	62.8	62.6	-	51.0	52.2	51.1	51.0	-
Eating and drinking places .....	58	6,613.5	6,658.6	6,679.8	6,657.4	6,673.8	5,996.3	6,037.0	6,051.2	6,030.2	-
Miscellaneous retail establishments .....											
Drug stores and proprietary stores .....	59	2,413.8	2,431.8	2,436.2	2,424.4	-	2,006.2	2,022.5	2,017.8	2,005.7	-
Liquor stores .....	591	609.0	611.3	613.3	610.9	-	508.4	510.5	508.8	505.7	-
Liquor stores .....	592	118.1	118.6	119.3	118.8	-	-	-	-	-	-
Used merchandise stores .....	593	73.2	73.5	74.6	74.1	-	61.6	61.8	62.9	62.3	-
Miscellaneous shopping goods stores .....	594	840.0	848.2	863.1	865.3	-	692.8	700.8	712.7	714.8	-
Sporting goods and bicycle shops .....	5941	151.6	152.5	158.4	160.2	-	-	-	-	-	-
Book stores .....	5942	90.0	96.2	92.2	91.4	-	-	-	-	-	-
Stationery stores .....	5943	73.4	73.6	74.6	74.0	-	-	-	-	-	-
Jewelry stores .....	5944	140.5	140.3	132.4	131.6	-	-	-	-	-	-
Gift, novelty, and souvenir shops .....	5947	192.9	191.9	198.9	203.0	-	-	-	-	-	-
Sewing, needlework, and piece goods .....	5949	63.5	63.0	63.7	62.2	-	-	-	-	-	-
Nonstore retailers .....	596	263.0	272.5	243.7	243.1	-	228.4	236.2	207.7	207.7	-
Catalog and mail-order houses .....	5961	138.3	147.8	129.6	130.7	-	-	-	-	-	-
Merchandising machine operators .....	5962	75.4	74.8	71.0	69.7	-	-	-	-	-	-
Fuel dealers .....	598	97.8	97.6	97.9	97.0	-	80.6	80.5	80.6	79.8	-
Retail stores, nec .....	599	412.7	410.1	424.3	415.2	-	338.5	336.4	349.2	340.0	-
<b>Finance, insurance, and real estate<sup>2</sup></b> .....		<b>6,748</b>	<b>6,740</b>	<b>6,740</b>	<b>6,755</b>	<b>6,753</b>	<b>4,890</b>	<b>4,880</b>	<b>4,881</b>	<b>4,898</b>	<b>4,898</b>
Finance .....		3,227	3,224	3,251	3,262	3,261	-	-	-	-	-
Depository institutions .....											
Commercial banks .....	60	2,196.3	2,195.7	2,185.5	2,191.7	-	1,591.3	1,590.0	1,584.8	1,589.9	-
Commercial banks .....	602	1,550.1	1,549.7	1,532.3	1,537.2	-	1,105.7	1,104.4	1,093.2	1,096.1	-
State commercial banks .....	6022	649.9	650.3	647.9	648.1	-	-	-	-	-	-
Savings institutions .....	603	393.6	393.7	395.7	396.2	-	-	-	-	-	-
Federal savings institutions .....	6035	208.8	207.7	207.8	207.5	-	-	-	-	-	-
Savings institutions, except federal .....	6036	184.8	186.0	187.9	188.7	-	-	-	-	-	-
Credit unions .....	606	135.7	135.8	140.2	140.9	-	108.4	108.3	111.4	112.0	-
Nondepository institutions .....											
Personal credit institutions .....	61	380.2	380.4	392.2	391.0	-	279.0	279.4	292.3	291.4	-
Business credit institutions .....	614	131.2	130.8	126.8	126.4	-	98.4	98.4	94.2	93.9	-
Business credit institutions .....	615	84.7	84.5	84.9	84.6	-	-	-	-	-	-
Mortgage bankers and brokers .....	616	151.9	152.7	167.8	167.2	-	-	-	-	-	-
Security and commodity brokers .....											
Security brokers and dealers .....	62	422.6	421.5	440.4	444.7	-	-	-	-	-	-
Security brokers and dealers .....	621	316.6	315.5	333.0	337.2	-	-	-	-	-	-
Commodity contracts brokers, dealers, and exchanges .....	622,3	23.2	23.0	21.3	21.2	-	-	-	-	-	-
Security and commodity services .....	628	82.8	83.0	86.1	86.3	-	53.0	53.2	56.1	56.2	-
Holding and other investment offices .....											
Holding offices .....	67	228.2	226.6	233.3	234.5	-	-	-	-	-	-
Holding offices .....	671	109.9	109.6	108.8	108.9	-	-	-	-	-	-
Insurance .....	63,64	2,169	2,165	2,147	2,147	2,141	-	-	-	-	-
Insurance carriers .....											
Life insurance .....	63	1,497.9	1,495.5	1,486.0	1,485.6	-	1,010.0	1,008.4	999.7	1,003.9	-
Life insurance .....	631	564.8	563.4	556.7	556.0	-	343.2	341.8	332.6	336.8	-
Medical service and health insurance .....	632	257.6	257.7	262.5	262.8	-	210.6	210.6	214.1	214.0	-
Fire, marine, and casualty insurance .....	633	563.9	562.5	551.4	550.9	-	368.4	367.9	359.4	358.9	-
Title insurance .....	636	55.2	55.3	58.6	58.7	-	-	-	-	-	-
Insurance agents, brokers, and service .....	64	671.5	669.6	661.3	661.3	-	-	-	-	-	-

See footnotes at end of table.



**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Finance, insurance, and real estate—Continued</b>											
Real estate .....	65	1,352	1,351	1,342	1,346	1,351	-	-	-	-	-
Real estate operators and lessors .....	651	585.1	587.6	585.2	587.3	-	-	-	-	-	
Real estate agents and managers .....	653	592.1	589.8	585.0	588.5	-	-	-	-	-	
Subdividers and developers .....	655	145.3	143.8	139.5	138.5	-	-	-	-	-	
<b>Services .....</b>		<b>28,495</b>	<b>28,528</b>	<b>29,114</b>	<b>29,157</b>	<b>29,150</b>	<b>24,869</b>	<b>24,891</b>	<b>25,440</b>	<b>25,473</b>	<b>25,455</b>
Agricultural services .....	07	540.2	527.1	542.9	540.0	-	456.2	443.7	458.0	455.3	-
Hotels and other lodging places .....	70	1,694.4	1,707.6	1,679.3	1,711.2	-	-	-	-	-	-
Hotels and motels .....	701	1,616.6	1,622.4	1,612.3	1,632.8	-	1,434.7	1,440.2	1,430.3	1,449.5	-
Personal services .....	72	1,068.6	1,070.7	1,079.8	1,073.4	-	-	-	-	-	-
Laundry, cleaning, and garment services .....	721	416.1	414.7	417.1	415.7	-	367.8	365.8	368.6	366.4	-
Photographic studios, portrait .....	722	65.0	69.4	71.7	71.5	-	-	-	-	-	-
Beauty shops .....	723	380.6	380.0	382.8	381.0	-	342.0	342.0	342.6	340.8	-
Funeral service and crematories .....	726	83.7	83.3	85.3	85.6	-	-	-	-	-	-
Miscellaneous personal services .....	729	102.8	102.9	103.7	100.7	-	87.8	87.6	87.9	84.7	-
Business services .....	73	5,088.9	5,151.2	5,323.9	5,322.7	5,381.3	4,464.1	4,522.5	4,699.2	4,697.3	-
Advertising .....	731	226.4	225.6	234.0	234.0	-	160.0	159.3	166.2	165.8	-
Advertising agencies .....	7311	157.9	157.2	160.6	160.4	-	-	-	-	-	-
Credit reporting and collection .....	732	107.6	108.0	107.7	108.3	-	-	-	-	-	-
Mailing, reproduction, and stenographic services .....	733	228.7	231.1	237.5	236.7	-	-	-	-	-	-
Photocopying and duplicating services .....	7334	47.6	47.7	48.8	48.7	-	39.6	39.6	39.9	40.1	-
Services to buildings .....	734	797.0	795.1	800.4	795.4	-	718.4	716.2	716.1	711.6	-
Miscellaneous equipment rental and leasing .....	735	207.2	208.0	202.9	201.8	-	166.9	167.3	163.3	162.3	-
Heavy construction equipment rental .....	7353	44.6	46.0	41.7	42.1	-	36.9	38.0	34.8	35.3	-
Personnel supply services .....	736	1,483.6	1,542.1	1,678.7	1,683.4	-	-	-	-	-	-
Employment agencies .....	7361	213.3	218.4	226.2	223.6	-	-	-	-	-	-
Help supply services .....	7363	1,270.3	1,323.7	1,452.5	1,459.8	-	1,223.1	1,276.6	1,406.4	1,413.2	-
Computer and data processing services .....	737	795.4	795.6	816.3	818.7	-	624.8	624.4	653.0	656.5	-
Computer programming services .....	7371	154.4	154.9	158.2	158.4	-	123.0	123.2	127.7	127.9	-
Prepackaged software .....	7372	127.3	127.4	135.5	136.6	-	-	-	-	-	-
Computer integrated systems design .....	7373	100.1	100.3	105.3	106.0	-	81.3	81.1	80.5	81.8	-
Data processing and preparation .....	7374	196.0	195.0	195.4	196.1	-	-	-	-	-	-
Information retrieval services .....	7375	45.5	45.5	47.4	47.5	-	36.6	36.5	37.4	37.5	-
Computer maintenance and repair .....	7378	42.2	41.9	41.2	41.4	-	35.4	35.1	35.3	35.5	-
Miscellaneous business services .....	738	1,243.0	1,245.7	1,246.4	1,244.4	-	1,099.5	1,100.0	1,100.6	1,098.0	-
Detective and armored car services .....	7381	468.1	472.0	482.0	479.5	-	438.3	441.3	449.4	447.8	-
Security systems services .....	7382	38.5	38.8	38.2	37.9	-	32.6	32.8	32.3	32.1	-
Photofinishing laboratories .....	7384	77.2	78.0	74.5	75.3	-	-	-	-	-	-
Auto repair, services, and parking .....	75	886.8	886.0	883.5	886.1	-	731.7	729.9	726.0	728.8	-
Automotive rentals, without drivers .....	751	162.3	163.3	163.3	165.3	-	-	-	-	-	-
Automobile parking .....	752	60.2	60.2	60.8	61.0	-	54.3	54.3	54.4	54.6	-
Automotive repair shops .....	753	504.1	504.5	494.4	496.1	-	411.0	410.4	399.3	401.5	-
Miscellaneous repair services .....	76	341.6	340.6	332.0	332.9	-	277.9	276.7	270.3	271.7	-
Electrical repair shops .....	762	109.2	110.2	110.3	110.5	-	-	-	-	-	-
Motion pictures .....	78	415.5	422.6	398.4	399.8	-	341.7	350.3	326.7	331.7	-
Motion picture production and services .....	781	148.8	156.2	143.3	145.1	-	115.7	124.6	111.4	115.9	-
Motion picture theaters .....	783	122.1	120.1	114.3	113.4	-	-	-	-	-	-
Amusement and recreation services .....	79	1,272.7	1,262.7	1,268.3	1,283.0	-	1,129.2	1,119.4	1,126.3	1,137.5	-
Bowling centers .....	793	73.4	76.6	74.2	72.6	-	64.4	67.5	65.4	63.9	-
Misc. amusement and recreation services .....	799	922.7	915.6	928.3	953.3	-	821.5	815.1	832.8	855.1	-
Physical fitness facilities .....	7991	116.3	117.8	118.0	117.5	-	103.1	104.0	105.1	104.8	-
Membership sports and recreation clubs .....	7997	347.6	344.3	345.7	355.6	-	309.2	306.4	306.8	315.2	-
Health services .....	80	8,218.8	8,247.2	8,479.4	8,512.9	8,522.5	7,311.3	7,334.4	7,543.9	7,572.1	-
Offices and clinics of medical doctors .....	801	1,407.7	1,414.2	1,441.1	1,449.2	-	1,159.4	1,163.4	1,185.8	1,191.2	-
Offices and clinics of dentists .....	802	528.2	532.9	540.5	541.0	-	464.5	469.2	473.6	473.6	-
Offices and clinics of other health practitioners .....	804	303.5	305.4	309.4	311.3	-	251.0	253.0	254.4	255.6	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Services—Continued</b>											
Health services—Continued											
Nursing and personal care facilities .....	805	1,506.7	1,515.2	1,555.4	1,563.2	-	1,360.0	1,368.0	1,405.2	1,413.0	-
Skilled nursing care facilities .....	8051	1,079.6	1,085.4	1,113.0	1,118.5	-	-	-	-	-	-
Intermediate care facilities .....	8052	212.1	213.9	219.9	220.4	-	190.8	192.5	198.0	198.5	-
Nursing and personal care, nec .....	8059	215.0	215.9	222.5	224.3	-	-	-	-	-	-
Hospitals .....	806	3,672.3	3,676.8	3,767.1	3,780.9	-	3,368.9	3,372.4	3,459.1	3,470.8	-
General medical and surgical hospitals .....	8062	3,375.5	3,380.5	3,465.6	3,478.6	-	-	-	-	-	-
Psychiatric hospitals .....	8063	104.7	103.7	100.6	99.9	-	-	-	-	-	-
Specialty hospitals, excluding psychiatric .....	8069	192.1	192.6	200.9	202.4	-	-	-	-	-	-
Medical and dental laboratories .....	807	173.6	174.8	178.4	178.8	-	-	-	-	-	-
Home health care services .....	808	345.3	345.3	386.6	387.2	-	320.1	319.3	358.0	358.8	-
Legal services .....	81	926.1	917.1	920.4	920.8	-	759.6	750.2	746.6	748.1	-
Educational services .....	82	1,488.7	1,472.5	1,558.4	1,488.8	-	-	-	-	-	-
Elementary and secondary schools .....	821	452.2	446.2	484.4	456.7	-	-	-	-	-	-
Colleges and universities .....	822	835.0	825.0	872.3	826.1	-	-	-	-	-	-
Vocational schools .....	824	77.4	79.2	79.9	78.2	-	-	-	-	-	-
Social services .....	83	1,827.8	1,824.3	1,933.2	1,933.5	-	-	-	-	-	-
Individual and family services .....	832	507.3	504.9	522.9	532.6	-	-	-	-	-	-
Job training and related services .....	833	271.7	264.2	258.8	270.7	-	-	-	-	-	-
Child day care services .....	835	371.2	373.4	435.0	408.1	-	325.8	327.9	384.6	359.8	-
Residential care .....	836	507.0	510.7	536.1	539.3	-	-	-	-	-	-
Museums and botanical and zoological gardens .....	84	73.9	73.5	75.0	76.2	-	-	-	-	-	-
Membership organizations .....	86	2,056.1	2,035.5	2,030.4	2,066.3	-	-	-	-	-	-
Business associations .....	861	103.2	101.9	100.0	101.9	-	-	-	-	-	-
Professional organizations .....	862	52.9	53.0	54.4	53.8	-	38.5	38.4	39.2	38.6	-
Labor organizations .....	863	135.1	136.3	126.0	124.4	-	-	-	-	-	-
Civic and social associations .....	864	466.3	444.6	447.2	481.1	-	-	-	-	-	-
Engineering and management services .....	87	2,428.2	2,423.9	2,442.9	2,442.9	-	1,850.3	1,847.4	1,863.0	1,861.2	-
Engineering and architectural services .....	871	754.9	753.4	744.7	746.3	-	623.0	620.8	611.0	611.9	-
Engineering services .....	8711	587.6	587.2	582.4	583.1	-	490.0	489.1	482.4	482.5	-
Architectural services .....	8712	119.8	119.3	116.5	116.8	-	94.3	93.3	90.7	90.8	-
Surveying services .....	8713	47.5	46.9	45.8	46.4	-	38.7	38.4	37.9	38.6	-
Accounting, auditing, and bookkeeping .....	872	502.7	501.2	505.4	501.3	-	373.2	372.3	370.1	364.3	-
Research and testing services .....	873	560.7	559.1	565.3	586.5	-	406.7	405.6	418.4	420.0	-
Commercial physical research .....	8731	246.7	245.7	246.1	247.2	-	-	-	-	-	-
Noncommercial research organizations .....	8733	141.9	141.2	143.4	145.4	-	-	-	-	-	-
Management and public relations .....	874	609.9	610.2	627.5	628.8	-	447.4	448.7	463.5	465.0	-
Public relations services .....	8743	30.5	30.1	29.5	28.9	-	21.9	21.8	21.2	20.4	-
Services, nec .....	89	39.4	38.6	38.6	38.7	-	30.8	30.2	30.0	30.2	-
<b>Government</b> .....		<b>17,422</b>	<b>17,224</b>	<b>18,632</b>	<b>17,643</b>	<b>17,518</b>	-	-	-	-	-
Federal Government <sup>4</sup> .....		3,002	2,991	3,005	2,999	2,983	-	-	-	-	-
Executive, by agency <sup>4</sup> .....		2,937.5	2,927.2	2,936.9	-	-	-	-	-	-	-
Department of Defense .....		931.5	928.7	928.3	-	-	-	-	-	-	-
Postal Service <sup>5</sup> .....		807.2	805.4	795.7	-	-	-	-	-	-	-
Other executive agencies .....		1,198.8	1,193.1	1,212.9	-	-	-	-	-	-	-
Legislative .....		40.1	38.9	40.6	-	-	-	-	-	-	-
Judicial .....		24.4	25.3	27.3	-	-	-	-	-	-	-
Federal Government, by industry:											
Manufacturing activities .....		107.2	105.9	102.6	102.2	-	-	-	-	-	-
Ship building and repairing .....	3731	61.4	60.9	58.5	58.4	-	-	-	-	-	-
Transportation and public utilities, except Postal Service .....		32.6	33.2	29.6	29.6	-	-	-	-	-	-
Services .....		399.6	402.8	400.9	402.4	-	-	-	-	-	-
Hospitals .....	806	235.8	235.1	239.0	239.8	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Government—Continued</b>											
State government .....		4,106	4,101	4,239	4,150	4,141	-	-	-	-	-
Hospitals .....	806	412.7	412.0	412.5	411.9	-	-	-	-	-	
Education .....	82	1,483.1	1,487.8	1,617.1	1,514.3	-	-	-	-	-	
General administration, including executive, legislative, and judicial functions .....		1,707.7	1,699.4	1,708.7	1,722.2	-	-	-	-	-	
Local government .....		10,314	10,132	11,388	10,494	10,394	-	-	-	-	
Transportation and public utilities .....		447.7	445.7	444.2	446.7	-	-	-	-	-	
Hospitals .....	806	662.7	664.7	688.8	693.3	-	-	-	-	-	
Education .....	82	5,077.7	4,989.9	6,209.9	5,132.2	-	-	-	-	-	
General administration, including executive, legislative, and judicial functions .....		3,693.1	3,640.6	3,647.9	3,758.5	-	-	-	-	-	

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

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

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

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

the National Security Agency.

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

- Data not available.

<sup>p</sup> = preliminary.

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

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	May 1991	June 1991	Apr. 1992	May 1992	June 1992
<b>Total</b> .....	52,131	52,166	52,278	52,484	52,519
<b>Total private</b> .....	42,013	42,276	42,044	42,245	42,508
<b>Goods-producing</b> .....	6,682	6,736	6,597	6,619	6,659
<b>Mining</b> .....	97	99	93	93	93
<b>Construction</b> .....	540	546	520	529	534
<b>Manufacturing</b> .....	6,045	6,091	5,984	5,997	6,032
<b>Durable goods</b> .....	2,834	2,841	2,765	2,769	2,775
Lumber and wood products .....	108	111	110	112	113
Furniture and fixtures .....	146	146	143	142	143
Stone, clay, and glass products .....	105	106	104	105	107
Primary metal industries .....	98	99	94	95	95
Fabricated metal products .....	299	302	295	296	298
Industrial machinery and equipment .....	438	437	426	428	428
Electronic and other electrical equipment .....	679	680	657	656	658
Transportation equipment .....	387	386	376	374	374
Instruments and related products .....	407	407	393	392	391
Miscellaneous manufacturing .....	167	168	167	168	168
<b>Nondurable goods</b> .....	3,211	3,250	3,219	3,228	3,257
Food and kindred products .....	518	536	517	523	536
Tobacco products .....	14	14	15	14	15
Textile mill products .....	326	328	326	326	329
Apparel and other textile products .....	787	795	800	801	803
Paper and allied products .....	167	170	166	168	170
Printing and publishing .....	682	679	671	672	671
Chemicals and allied products .....	324	328	329	330	335
Petroleum and coal products .....	26	27	26	26	26
Rubber and misc. plastics products .....	297	300	300	301	304
Leather and leather products .....	71	73	69	69	69
<b>Service-producing</b> .....	45,449	45,430	45,681	45,865	45,860
<b>Transportation and public utilities</b> .....	1,701	1,700	1,685	1,695	1,700
<b>Wholesale trade</b> .....	1,857	1,864	1,824	1,831	1,845
<b>Retail trade</b> .....	10,257	10,354	10,015	10,148	10,241
<b>Finance, insurance, and real estate</b> .....	4,231	4,261	4,228	4,235	4,265
<b>Services</b> .....	17,285	17,361	17,695	17,717	17,798
<b>Government</b> .....	10,118	9,890	10,234	10,239	10,011
Federal .....	1,224	1,240	1,227	1,231	1,239
State .....	2,212	2,119	2,242	2,217	2,124
Local .....	6,682	6,531	6,765	6,791	6,648

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

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

**ESTABLISHMENT DATA  
EMPLOYMENT  
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>p</sup>	Aug. <sup>p</sup>
<b>Total</b> .....	108,267	108,293	108,285	108,139	108,154	108,100	108,142	108,200	108,377	108,496	108,423	108,600	108,517
<b>Total private</b> .....	89,885	89,906	89,875	89,715	89,704	89,643	89,681	89,693	89,835	89,950	89,885	89,980	89,813
<b>Goods-producing</b> .....	23,791	23,755	23,704	23,613	23,584	23,527	23,525	23,532	23,530	23,548	23,470	23,464	23,356
<b>Mining</b> .....	686	679	674	667	663	657	653	651	646	641	634	633	629
Oil and gas extraction .....	392	387	384	379	376	372	368	366	363	358	350	349	349
<b>Construction</b> .....	4,662	4,662	4,642	4,585	4,592	4,587	4,582	4,603	4,605	4,632	4,600	4,584	4,577
General building contractors .....	1,142	1,137	1,129	1,120	1,121	1,125	1,123	1,115	1,108	1,101	1,093	1,095	1,089
<b>Manufacturing</b> .....	18,443	18,414	18,388	18,361	18,329	18,283	18,290	18,278	18,279	18,275	18,236	18,247	18,150
<b>Durable goods</b> .....	10,582	10,557	10,530	10,498	10,466	10,422	10,430	10,417	10,409	10,398	10,371	10,349	10,304
Lumber and wood products .....	678	676	677	678	679	680	686	689	688	687	684	683	680
Furniture and fixtures .....	471	470	469	468	467	466	464	465	467	467	469	471	465
Stone, clay, and glass products .....	524	523	524	520	520	517	517	518	520	522	521	522	521
Primary metal industries .....	725	722	718	715	714	711	710	710	708	707	706	703	702
Blast furnaces and basic steel products .....	262	263	260	259	259	258	258	258	257	256	255	253	252
Fabricated metal products .....	1,356	1,354	1,352	1,351	1,347	1,344	1,342	1,342	1,341	1,343	1,338	1,335	1,335
Industrial machinery and equipment .....	1,994	1,989	1,981	1,967	1,958	1,954	1,950	1,948	1,949	1,959	1,954	1,949	1,946
Electronic and other electrical equipment .....	1,591	1,586	1,581	1,578	1,574	1,570	1,564	1,560	1,557	1,554	1,549	1,542	1,533
Transportation equipment .....	1,901	1,896	1,889	1,886	1,878	1,850	1,872	1,863	1,859	1,842	1,836	1,830	1,820
Motor vehicles and equipment .....	806	807	805	811	811	787	818	814	821	813	814	818	816
Instruments and related products .....	977	976	973	969	962	963	959	956	952	949	946	941	936
Miscellaneous manufacturing .....	365	365	366	366	367	367	366	366	368	368	368	373	366
<b>Nondurable goods</b> .....	7,861	7,857	7,858	7,863	7,863	7,861	7,860	7,861	7,870	7,877	7,865	7,898	7,846
Food and kindred products .....	1,685	1,676	1,672	1,670	1,671	1,672	1,671	1,671	1,677	1,678	1,671	1,685	1,672
Tobacco products .....	50	50	49	48	49	50	50	49	50	49	49	49	50
Textile mill products .....	673	674	676	677	679	678	681	682	682	679	680	682	673
Apparel and other textile products .....	1,013	1,017	1,021	1,027	1,026	1,024	1,025	1,025	1,023	1,026	1,023	1,035	1,016
Paper and allied products .....	688	688	687	688	687	687	686	687	689	691	689	690	687
Printing and publishing .....	1,535	1,533	1,531	1,528	1,527	1,524	1,519	1,519	1,521	1,522	1,520	1,522	1,520
Chemicals and allied products .....	1,071	1,071	1,073	1,073	1,072	1,073	1,073	1,071	1,072	1,073	1,073	1,071	1,072
Petroleum and coal products .....	159	159	159	159	158	158	158	157	157	156	155	154	154
Rubber and misc. plastics products .....	863	865	867	869	870	871	874	877	876	880	883	884	880
Leather and leather products .....	124	124	123	124	124	124	123	123	123	123	122	126	122
<b>Service-producing</b> .....	84,476	84,538	84,581	84,526	84,570	84,573	84,617	84,668	84,847	84,948	84,953	85,136	85,161
<b>Transportation and public utilities</b> .....	5,773	5,769	5,766	5,761	5,758	5,746	5,753	5,754	5,746	5,745	5,745	5,742	5,734
Transportation .....	3,518	3,513	3,511	3,511	3,511	3,512	3,518	3,524	3,523	3,522	3,524	3,524	3,519
Communications and public utilities .....	2,255	2,256	2,255	2,250	2,247	2,234	2,235	2,230	2,223	2,223	2,221	2,218	2,215
<b>Wholesale trade</b> .....	6,050	6,049	6,040	6,031	6,021	6,010	6,003	5,997	5,993	5,993	5,988	5,971	5,963
Durable goods .....	3,510	3,504	3,495	3,486	3,476	3,467	3,458	3,453	3,451	3,452	3,444	3,434	3,426
Nondurable goods .....	2,540	2,545	2,545	2,545	2,545	2,543	2,545	2,544	2,542	2,541	2,544	2,537	2,537
<b>Retail trade</b> .....	19,244	19,220	19,175	19,130	19,112	19,118	19,143	19,092	19,177	19,150	19,156	19,180	19,109
General merchandise stores .....	2,413	2,402	2,383	2,368	2,352	2,340	2,353	2,344	2,338	2,334	2,318	2,306	2,295
Food stores .....	3,205	3,201	3,194	3,184	3,178	3,176	3,179	3,179	3,194	3,188	3,192	3,179	3,175
Automotive dealers and service stations .....	1,994	1,993	1,994	1,996	1,996	1,995	1,999	2,004	2,007	2,007	2,011	2,011	2,014
Eating and drinking places .....	6,462	6,461	6,453	6,444	6,443	6,450	6,451	6,431	6,470	6,462	6,473	6,501	6,473
<b>Finance, insurance, and real estate</b> .....	6,661	6,663	6,665	6,666	6,670	6,665	6,673	6,675	6,682	6,681	6,672	6,669	6,675
Finance .....	3,201	3,207	3,204	3,203	3,205	3,209	3,220	3,224	3,230	3,234	3,232	3,236	3,238
Insurance .....	2,159	2,158	2,158	2,158	2,159	2,153	2,151	2,149	2,149	2,144	2,138	2,136	2,135
Real estate .....	1,301	1,298	1,303	1,305	1,306	1,303	1,302	1,302	1,303	1,303	1,302	1,297	1,302
<b>Services</b> .....	28,366	28,450	28,525	28,514	28,559	28,577	28,584	28,643	28,707	28,833	28,854	28,954	28,976
Business services .....	5,090	5,102	5,143	5,128	5,140	5,122	5,140	5,174	5,233	5,278	5,292	5,301	5,317
Health services .....	8,223	8,252	8,280	8,307	8,340	8,354	8,373	8,387	8,412	8,437	8,446	8,479	8,497
<b>Government</b> .....	18,382	18,387	18,410	18,424	18,450	18,457	18,461	18,507	18,542	18,546	18,538	18,620	18,704
Federal .....	2,970	2,978	2,980	2,981	2,983	2,981	2,981	2,989	2,986	2,984	2,972	2,961	2,962
State .....	4,339	4,336	4,337	4,343	4,342	4,347	4,346	4,345	4,360	4,367	4,357	4,387	4,382
Local .....	11,073	11,073	11,093	11,100	11,125	11,129	11,134	11,173	11,196	11,195	11,209	11,272	11,360

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1991

benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1988 forward are subject to revision.

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES  
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1991							1992					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
<b>Total</b> .....	51,938	51,996	52,024	52,029	52,039	52,012	52,049	52,055	52,075	52,093	52,216	52,271	52,283
<b>Total private</b> .....	42,072	42,090	42,154	42,188	42,186	42,145	42,160	42,159	42,171	42,159	42,253	42,305	42,294
<b>Goods-producing</b> .....	6,705	6,704	6,715	6,703	6,690	6,688	6,681	6,665	6,656	6,658	6,651	6,648	6,628
<b>Mining</b> .....	98	98	97	97	96	96	96	95	94	95	94	93	92
<b>Construction</b> .....	538	536	534	535	533	531	529	527	527	528	527	527	526
<b>Manufacturing</b> .....	6,069	6,070	6,084	6,071	6,061	6,061	6,056	6,043	6,035	6,035	6,030	6,028	6,010
<b>Durable goods</b> .....	2,828	2,827	2,822	2,818	2,809	2,805	2,800	2,791	2,784	2,783	2,776	2,771	2,763
Lumber and wood products .....	108	108	109	109	109	109	110	110	111	111	111	112	111
Furniture and fixtures .....	146	144	144	144	143	143	143	143	143	143	143	142	143
Stone, clay, and glass products .....	105	105	106	106	106	105	105	105	105	105	105	105	106
Primary metal industries .....	98	99	98	98	97	96	96	95	95	95	94	95	95
Fabricated metal products .....	300	299	299	299	298	298	297	297	297	297	297	297	296
Industrial machinery and equipment .....	435	435	434	436	432	431	428	429	426	427	427	428	426
Electronic and other electrical equipment .....	678	677	674	670	669	669	668	666	663	662	660	658	656
Transportation equipment .....	384	385	385	384	384	384	384	379	379	379	376	373	372
Instruments and related products .....	406	405	404	403	402	401	399	398	397	396	394	392	390
Miscellaneous manufacturing .....	168	170	169	169	169	169	170	169	168	168	169	169	168
<b>Nondurable goods</b> .....	3,241	3,243	3,262	3,253	3,252	3,256	3,256	3,252	3,251	3,252	3,254	3,257	3,247
Food and kindred products .....	542	534	551	543	539	538	540	542	541	542	545	546	542
Tobacco products .....	16	16	17	17	17	16	16	17	16	17	17	16	16
Textile mill products .....	326	327	327	327	327	327	328	327	328	328	328	326	327
Apparel and other textile products .....	790	798	796	798	800	805	804	801	802	803	799	801	798
Paper and allied products .....	168	168	169	168	168	167	167	167	167	167	168	169	168
Printing and publishing .....	678	678	677	676	675	674	673	671	669	669	670	672	669
Chemicals and allied products .....	325	325	327	327	329	330	329	330	330	330	331	331	332
Petroleum and coal products .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Rubber and misc. plastics products .....	298	298	300	300	301	302	302	301	302	301	300	301	302
Leather and leather products .....	72	73	72	71	70	71	71	70	70	69	70	69	68
<b>Service-producing</b> .....	45,233	45,292	45,309	45,326	45,349	45,324	45,368	45,390	45,419	45,435	45,565	45,623	45,655
<b>Transportation and public utilities</b> .....	1,693	1,692	1,693	1,698	1,696	1,691	1,689	1,683	1,687	1,689	1,688	1,692	1,693
<b>Wholesale trade</b> .....	1,859	1,858	1,856	1,856	1,852	1,848	1,846	1,843	1,842	1,839	1,837	1,838	1,841
<b>Retail trade</b> .....	10,288	10,268	10,262	10,245	10,214	10,176	10,177	10,182	10,195	10,168	10,199	10,189	10,170
<b>Finance, insurance, and real estate</b> .....	4,233	4,229	4,226	4,225	4,226	4,226	4,226	4,227	4,234	4,238	4,236	4,239	4,235
<b>Services</b> .....	17,294	17,339	17,402	17,461	17,508	17,516	17,541	17,559	17,557	17,567	17,642	17,699	17,727
<b>Government</b> .....	9,866	9,906	9,870	9,841	9,853	9,867	9,889	9,896	9,904	9,934	9,963	9,966	9,989
Federal .....	1,229	1,220	1,223	1,226	1,224	1,226	1,230	1,229	1,232	1,236	1,237	1,235	1,228
State .....	2,186	2,175	2,173	2,160	2,164	2,166	2,166	2,169	2,169	2,170	2,177	2,182	2,192
Local .....	6,451	6,511	6,474	6,455	6,465	6,475	6,493	6,498	6,503	6,528	6,549	6,549	6,569

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

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

**ESTABLISHMENT DATA  
EMPLOYMENT  
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>p</sup>	Aug. <sup>p</sup>
<b>Total private</b> .....	72,679	72,701	72,670	72,538	72,539	72,540	72,561	72,592	72,777	72,887	72,859	72,912	72,755
<b>Goods-producing</b> .....	16,524	16,494	16,456	16,378	16,369	16,344	16,348	16,373	16,383	16,407	16,347	16,358	16,257
<b>Mining</b> .....	486	481	476	470	468	464	462	461	457	452	449	447	444
<b>Construction</b> .....	3,562	3,564	3,548	3,487	3,498	3,494	3,487	3,506	3,514	3,545	3,520	3,508	3,496
<b>Manufacturing</b> .....	12,476	12,449	12,432	12,421	12,403	12,386	12,399	12,406	12,412	12,410	12,378	12,403	12,317
<b>Durable goods</b> .....	6,986	6,964	6,945	6,931	6,913	6,895	6,906	6,909	6,903	6,896	6,876	6,873	6,839
Lumber and wood products .....	555	554	554	556	556	557	563	565	565	564	560	560	557
Furniture and fixtures .....	370	370	369	368	367	367	365	367	369	369	370	372	367
Stone, clay, and glass products .....	405	404	405	402	401	400	399	400	403	404	404	403	403
Primary metal industries .....	547	544	541	539	539	535	536	535	535	533	532	533	532
Blast furnaces and basic steel products .....	199	200	197	196	196	194	195	194	194	193	192	190	189
Fabricated metal products .....	991	991	989	989	985	984	984	984	985	985	981	980	980
Industrial machinery and equipment .....	1,191	1,187	1,180	1,169	1,165	1,162	1,162	1,161	1,165	1,172	1,169	1,168	1,166
Electronic and other electrical equipment .....	1,004	999	996	994	992	992	988	988	986	988	986	981	974
Transportation equipment .....	1,181	1,175	1,171	1,174	1,171	1,161	1,173	1,173	1,164	1,149	1,146	1,146	1,138
Motor vehicles and equipment .....	616	615	613	621	621	616	630	630	628	618	617	623	622
Instruments and related products .....	479	477	476	475	472	472	471	470	465	465	463	461	459
Miscellaneous manufacturing .....	263	263	264	265	265	265	265	266	266	267	265	269	263
<b>Nondurable goods</b> .....	5,490	5,485	5,487	5,490	5,490	5,491	5,493	5,497	5,509	5,514	5,502	5,530	5,478
Food and kindred products .....	1,218	1,212	1,209	1,207	1,207	1,210	1,210	1,211	1,222	1,221	1,218	1,230	1,218
Tobacco products .....	38	37	37	36	37	37	37	37	37	37	37	37	36
Textile mill products .....	577	578	580	580	582	582	584	586	585	583	582	583	576
Apparel and other textile products .....	848	850	853	860	858	857	858	858	857	861	856	869	850
Paper and allied products .....	518	518	517	518	518	517	516	517	519	521	519	520	517
Printing and publishing .....	846	847	845	844	843	843	841	841	842	842	840	841	838
Chemicals and allied products .....	577	574	576	572	571	570	569	568	567	568	567	564	565
Petroleum and coal products .....	103	103	103	103	103	103	104	103	103	102	101	101	101
Rubber and misc. plastics products .....	664	665	667	669	670	672	674	676	676	679	683	683	679
Leather and leather products .....	101	101	100	101	101	100	100	100	101	100	99	102	98
<b>Service-producing</b> .....	56,155	56,207	56,214	56,160	56,170	56,196	56,213	56,219	56,394	56,480	56,512	56,554	56,498
<b>Transportation and public utilities</b> .....	4,800	4,801	4,797	4,797	4,794	4,794	4,797	4,795	4,791	4,790	4,794	4,789	4,775
<b>Wholesale trade</b> .....	4,845	4,845	4,839	4,833	4,823	4,815	4,808	4,805	4,810	4,815	4,813	4,799	4,791
<b>Retail trade</b> .....	16,966	16,937	16,888	16,848	16,827	16,821	16,840	16,808	16,874	16,872	16,874	16,879	16,808
<b>Finance, insurance, and real estate</b> .....	4,804	4,801	4,804	4,809	4,809	4,813	4,819	4,820	4,826	4,826	4,818	4,816	4,821
<b>Services</b> .....	24,740	24,823	24,886	24,873	24,917	24,953	24,949	24,991	25,093	25,177	25,213	25,271	25,303

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

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

**ESTABLISHMENT DATA  
DIFFUSION INDEXES  
SEASONALLY ADJUSTED**

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

(Percent)

Time span	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Private nonfarm payrolls, 356 industries<sup>1</sup></b>												
Over 1-month span:												
1990 .....	59.1	58.8	53.8	46.9	49.3	47.8	43.5	41.4	40.3	40.2	38.2	37.1
1991 .....	37.9	37.6	36.1	41.3	50.7	45.1	48.7	51.4	50.0	47.1	46.8	46.9
1992 .....	43.5	47.9	47.5	58.4	51.4	45.2	<sup>P</sup> 49.7	<sup>P</sup> 41.7				
Over 3-month span:												
1990 .....	61.2	61.1	54.8	48.0	45.6	45.2	40.9	35.7	33.8	33.1	32.6	32.3
1991 .....	31.3	28.7	31.7	38.3	41.0	45.6	48.0	51.4	48.5	46.3	44.4	42.7
1992 .....	44.8	44.1	53.2	54.9	54.4	<sup>P</sup> 48.2	<sup>P</sup> 42.4					
Over 6-month span:												
1990 .....	58.6	55.1	54.2	50.0	43.7	39.0	37.2	34.7	31.9	30.6	29.1	27.9
1991 .....	27.9	29.2	28.2	33.0	38.9	44.0	47.2	46.3	46.9	46.1	44.0	43.4
1992 .....	47.8	50.6	49.7	<sup>P</sup> 51.4	<sup>P</sup> 46.3							
Over 12-month span:												
1990 .....	53.7	51.4	48.9	46.6	43.0	40.0	37.1	33.7	32.3	30.6	28.9	27.7
1991 .....	27.4	28.5	28.1	29.9	32.2	33.4	35.7	39.0	42.8	46.3	47.6	47.8
1992 .....	<sup>P</sup> 48.7	<sup>P</sup> 43.1										
<b>Manufacturing payrolls, 139 industries<sup>1</sup></b>												
Over 1-month span:												
1990 .....	47.8	51.1	48.2	45.3	41.7	42.8	39.9	36.7	34.2	33.5	29.5	31.7
1991 .....	35.6	33.5	30.6	40.6	46.0	43.9	49.6	50.7	42.8	46.4	45.3	46.0
1992 .....	39.6	43.9	43.2	57.6	46.4	42.4	<sup>P</sup> 52.2	<sup>P</sup> 35.6				
Over 3-month span:												
1990 .....	48.6	49.3	48.6	41.0	37.8	37.1	32.4	27.7	25.2	21.9	19.8	22.7
1991 .....	23.4	21.6	21.6	32.4	36.3	43.5	52.2	49.6	46.4	42.4	42.1	37.4
1992 .....	37.8	36.3	48.9	49.3	50.4	<sup>P</sup> 47.1	<sup>P</sup> 36.0					
Over 6-month span:												
1990 .....	45.3	41.4	41.7	42.8	33.1	29.5	23.7	21.2	18.7	19.4	18.0	16.2
1991 .....	17.3	20.5	21.9	25.9	34.9	40.6	45.3	44.6	45.3	39.9	36.0	36.0
1992 .....	41.4	43.2	41.4	<sup>P</sup> 48.6	<sup>P</sup> 39.9							
Over 12-month span:												
1990 .....	35.3	32.7	31.7	32.7	26.3	23.4	23.0	19.4	18.3	15.8	14.7	15.5
1991 .....	17.6	19.4	18.0	19.4	24.1	25.2	25.9	28.8	37.4	40.6	41.4	38.1
1992 .....	<sup>P</sup> 42.4	<sup>P</sup> 30.9										

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

<sup>P</sup> = preliminary.

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

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



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

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

(In thousands)

State and area	Total			Mining			Construction		
	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>
<b>Alabama</b> .....	1,639.2	1,647.0	1,650.0	12.4	11.1	11.4	81.1	74.8	75.7
Birmingham .....	421.4	419.9	421.5	5.7	5.5	5.5	23.4	21.5	21.8
Huntsville .....	136.1	136.7	134.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.2	4.6	4.8
Mobile .....	185.0	188.8	190.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.4	12.4	12.5
Montgomery .....	135.2	135.2	135.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.7	6.2	6.3
Tuscaloosa .....	65.2	63.9	64.3	3.4	2.8	2.8	3.9	3.4	3.3
<b>Alaska</b> .....	261.0	255.6	262.0	12.4	10.7	10.9	13.1	12.2	13.1
<b>Arizona</b> .....	1,461.6	1,478.5	1,461.8	13.7	14.4	14.3	79.2	82.4	82.5
Phoenix .....	963.9	968.8	957.2	.8	.8	.7	52.0	54.8	54.5
Tucson .....	249.2	257.2	256.3	2.3	2.3	2.3	14.5	15.1	15.4
<b>Arkansas</b> .....	931.5	970.3	959.4	4.1	4.0	4.0	37.5	40.0	40.7
Fayetteville-Springdale .....	56.0	57.2	56.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.2	2.2
Fort Smith .....	82.7	82.2	81.2	.9	.8	.8	3.0	2.7	2.7
Little Rock-North Little Rock .....	255.8	259.5	256.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.8	11.8	12.1
Pine Bluff .....	33.8	34.4	33.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.2	1.1	1.1
<b>California</b> .....	12,451.4	12,341.1	12,252.8	39.4	37.0	36.7	563.9	519.3	521.9
Anaheim-Santa Ana .....	1,156.8	1,138.1	1,124.0	1.4	1.4	1.4	57.2	51.7	51.4
Bakersfield .....	177.8	180.3	177.7	14.0	13.2	13.2	11.9	11.0	11.2
Fresno .....	227.2	224.7	225.1	.7	.7	.7	14.3	12.0	12.1
Los Angeles-Long Beach .....	4,008.6	3,932.8	3,904.5	8.0	7.5	7.5	129.5	119.4	118.3
Modesto .....	118.3	120.8	125.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	7.1	6.7	6.6
Oakland .....	882.5	880.0	871.9	3.1	3.0	2.9	46.4	43.3	43.8
Oxnard-Ventura .....	236.0	230.1	228.7	2.4	2.0	2.0	12.6	11.3	11.2
Riverside-San Bernardino .....	718.3	716.9	705.6	1.4	1.3	1.3	47.3	42.1	41.9
Sacramento .....	637.6	636.2	634.1	1.0	1.0	1.0	37.3	35.4	35.8
Salinas-Seaside-Monterey .....	111.5	110.0	109.9	.4	.4	.4	4.4	4.5	4.4
San Diego .....	970.4	960.7	950.9	.6	.6	.6	51.7	47.3	46.6
San Francisco .....	949.5	949.8	947.6	.7	.7	.7	32.6	32.5	32.8
San Jose .....	817.0	809.1	806.1	.3	.3	.3	30.8	30.5	30.8
Santa Barbara-Santa Maria-Lompoc .....	149.9	148.9	146.7	1.2	1.1	1.1	6.9	6.6	6.5
Santa Rosa-Petaluma .....	142.2	146.5	143.4	.5	.5	.5	9.8	9.4	9.5
Stockton .....	158.5	153.4	159.5	.1	.1	.1	7.9	6.5	6.7
Vallejo-Fairfield-Napa .....	141.6	140.7	141.1	.6	.6	.6	10.3	10.5	11.0
<b>Colorado</b> .....	1,539.9	1,578.8	1,566.0	18.9	16.8	17.0	70.8	80.5	82.7
Boulder-Longmont .....	119.6	124.3	122.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.5	4.8	4.9
Denver .....	849.9	867.1	859.1	10.4	9.2	9.3	36.6	43.7	44.7
<b>Connecticut</b> .....	1,552.0	1,521.3	1,498.6	.8	.8	.8	56.6	48.7	50.3
Bridgeport-Milford .....	179.4	178.5	174.8	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	6.0	5.0	5.1
Hartford .....	447.0	446.1	439.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.8	13.5	14.5
New Britain .....	59.5	59.7	58.6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	4.1	4.1	4.0
New Haven-Meriden .....	241.1	241.0	240.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.3	7.5	8.3
Stamford .....	117.8	116.0	114.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.3	3.7	3.7
Waterbury .....	76.7	78.8	77.4	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2.9	2.7	2.7
<b>Delaware</b> .....	345.1	343.0	341.3	.1	.1	.1	18.3	17.1	17.1
Wilmington .....	290.3	286.0	283.2	.2	.2	.2	16.1	14.7	14.8
<b>District of Columbia</b> .....	684.8	676.6	686.2	.1	.1	.1	10.9	9.3	9.0
Washington MSA .....	2,196.0	2,177.8	2,166.4	1.0	.8	.8	109.1	99.2	99.5
<b>Florida</b> .....	5,200.3	5,252.6	5,173.7	7.9	7.3	7.3	276.7	254.9	254.1
Daytona Beach .....	120.6	123.2	121.4	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	7.0	6.1	6.1
Fort Lauderdale-Hollywood-Pompano Beach .....	495.2	505.7	497.7	.2	.2	.2	27.4	25.8	25.9
Fort Myers-Cape Coral .....	119.1	123.6	120.7	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	10.8	10.5	10.4
Gainesville .....	98.9	100.9	99.8	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	4.1	3.8	3.9
Jacksonville .....	418.6	425.6	422.1	.6	.6	.6	24.1	22.8	22.8
Lakeland-Winter Haven .....	146.9	150.4	147.9	3.7	3.4	3.4	7.6	7.5	7.5
Melbourne-Titusville-Palm Bay .....	162.0	161.0	159.9	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	8.4	8.2	8.2
Miami-Hialeah .....	844.3	849.3	842.2	.7	.6	.6	32.5	28.9	28.7
Orlando .....	550.4	559.2	551.7	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	30.6	28.7	28.3
Pensacola .....	129.7	131.3	130.2	.3	.3	.4	7.4	6.8	6.9
Sarasota .....	114.7	116.9	114.5	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	7.9	7.3	7.2
Tallahassee .....	122.2	125.5	123.7	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	5.5	5.2	5.2
Tampa-St. Petersburg-Clearwater .....	843.1	861.1	847.0	.4	.4	.4	42.2	41.4	41.0
West Palm Beach-Boca Raton-DeLray Beach .....	340.8	349.5	342.5	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	20.5	18.5	18.6

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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	July 1991	June 1992	July 1992 <sup>a</sup>	July 1991	June 1992	July 1992 <sup>a</sup>	July 1991	June 1992	July 1992 <sup>a</sup>
<b>Alabama</b> .....	379.0	383.3	380.0	83.8	81.9	81.8	356.5	357.0	357.9
Birmingham .....	55.4	54.7	54.5	32.8	31.4	31.1	100.1	100.3	100.9
Huntsville .....	33.2	32.7	31.8	3.1	2.8	2.8	25.3	25.1	25.0
Mobile .....	28.7	28.4	28.2	11.5	11.7	11.6	48.0	48.5	48.7
Montgomery .....	16.2	16.1	16.2	5.8	5.8	5.8	30.1	29.5	29.6
Tuscaloosa .....	10.0	10.1	10.0	2.2	2.1	2.1	13.8	13.9	13.9
<b>Alaska</b> .....	27.6	20.6	26.0	23.9	23.9	24.2	49.8	49.8	50.5
<b>Arizona</b> .....	174.9	168.4	168.4	81.3	79.5	79.1	368.5	369.0	366.4
Phoenix .....	130.8	125.8	125.8	57.4	55.5	55.4	244.2	240.7	238.7
Tucson .....	24.8	23.8	23.9	10.2	10.6	10.4	60.6	63.1	63.3
<b>Arkansas</b> .....	235.8	242.0	240.9	56.0	56.4	58.7	208.8	214.6	214.3
Fayetteville-Springdale .....	13.9	14.0	14.1	4.7	4.4	4.4	12.5	13.0	12.9
Fort Smith .....	25.7	25.3	24.7	5.0	5.1	5.1	16.8	16.7	16.8
Little Rock-North Little Rock .....	33.4	33.3	33.2	18.8	16.4	16.4	61.7	61.8	62.0
Pine Bluff .....	7.0	6.9	7.0	2.3	2.3	2.3	7.1	6.9	6.8
<b>California</b> .....	2,026.5	1,938.1	1,945.8	632.1	620.9	621.9	2,907.6	2,850.8	2,844.6
Anaheim-Santa Ana .....	238.2	226.0	224.4	37.5	37.9	37.7	280.8	273.8	272.1
Bakersfield .....	10.6	10.2	10.2	9.5	9.4	9.4	42.4	41.9	41.7
Fresno .....	27.5	25.4	27.2	12.8	11.8	12.0	56.4	54.9	54.7
Los Angeles-Long Beach .....	789.3	751.3	744.5	214.8	210.4	210.7	887.9	883.3	860.0
Modesto .....	25.0	22.8	29.2	5.0	5.1	5.3	31.0	30.9	30.8
Oakland .....	113.0	110.5	109.9	59.8	57.6	57.7	212.8	207.6	208.0
Oxnard-Ventura .....	31.7	29.7	29.0	12.1	11.7	11.8	58.5	57.7	57.5
Riverside-San Bernardino .....	84.1	81.3	80.8	35.5	35.0	34.7	187.4	185.5	184.3
Sacramento .....	43.1	41.2	43.0	30.1	30.8	30.4	151.4	147.2	147.3
Salinas-Seaside-Monterey .....	9.2	9.1	9.3	4.9	4.9	4.9	29.5	28.8	28.7
San Diego .....	134.1	127.3	126.2	38.7	35.9	38.2	231.1	224.4	225.2
San Francisco .....	80.4	80.7	80.4	79.1	78.7	78.5	204.2	201.3	201.0
San Jose .....	259.8	248.1	249.5	23.2	23.6	23.6	163.9	161.8	161.6
Santa Barbara-Santa Maria-Lompoc .....	21.6	20.0	19.8	5.1	5.0	5.0	35.5	34.8	34.9
Santa Rosa-Petaluma .....	20.1	19.8	20.1	8.4	6.1	6.2	37.1	37.0	37.1
Stockton .....	24.4	23.1	28.3	10.5	9.7	10.4	37.9	36.7	37.0
Vallejo-Fairfield-Napa .....	13.0	11.8	12.1	5.3	5.0	5.0	35.5	34.8	35.3
<b>Colorado</b> .....	186.6	182.4	182.8	97.9	97.8	97.8	377.0	383.3	384.1
Boulder-Longmont .....	26.4	26.8	28.7	3.0	3.0	3.0	25.2	28.3	26.4
Denver .....	93.2	90.1	90.4	70.6	69.9	70.0	205.8	210.0	210.0
<b>Connecticut</b> .....	316.1	313.7	308.8	68.9	68.7	66.1	339.4	323.2	318.1
Bridgeport-Milford .....	45.9	47.3	45.8	8.3	8.3	7.7	40.5	38.8	38.4
Hartford .....	76.7	72.2	71.3	18.1	18.6	17.5	93.5	93.6	92.3
New Britain .....	16.7	17.0	16.6	2.7	3.3	3.3	12.0	12.0	11.7
New Haven-Meriden .....	43.0	42.5	42.1	16.0	15.8	16.0	51.8	51.5	51.1
Stamford .....	18.5	18.0	17.8	6.1	5.4	5.3	26.8	27.0	26.8
Waterbury .....	15.1	17.4	16.1	3.3	3.3	3.2	16.4	16.1	15.9
<b>Delaware</b> .....	71.2	68.2	68.4	14.9	14.8	14.4	76.2	75.8	78.0
Wilmington .....	61.7	58.1	57.9	16.8	16.9	16.4	57.9	56.4	56.4
<b>District of Columbia</b> .....	14.7	14.6	14.5	23.6	22.8	22.8	58.0	58.2	55.6
Washington MSA .....	83.1	80.7	80.1	105.2	103.5	103.4	417.8	407.4	404.9
<b>Florida</b> .....	487.1	484.2	480.6	273.2	269.1	268.8	1,376.5	1,351.6	1,342.8
Daytona Beach .....	11.5	11.4	11.4	3.9	4.2	4.2	35.4	35.2	35.0
Fort Lauderdale-Hollywood-Pompano Beach .....	40.4	40.4	40.4	23.5	23.6	23.8	143.8	144.1	143.0
Fort Myers-Cape Coral .....	5.3	5.3	5.4	5.6	5.8	5.7	33.7	34.2	33.8
Gainesville .....	5.8	5.6	5.6	2.0	2.0	2.0	21.2	21.7	21.4
Jacksonville .....	34.7	35.4	35.1	30.3	31.2	31.1	109.8	110.5	110.3
Lakeland-Winter Haven .....	19.9	20.2	20.0	7.8	7.8	7.7	40.8	41.5	41.2
Melbourne-Titusville-Palm Bay .....	29.8	29.0	28.8	4.5	4.3	4.3	36.1	36.0	35.3
Miami-Hialeah .....	83.6	84.7	83.6	69.9	61.9	61.9	223.8	225.0	224.0
Orlando .....	47.9	47.1	46.7	30.1	30.0	29.9	139.7	141.5	141.2
Pensacola .....	11.3	11.1	11.0	6.5	6.4	6.4	31.8	32.0	32.2
Sarasota .....	7.8	7.8	7.8	3.7	3.5	3.6	31.2	31.5	30.8
Tallahassee .....	4.4	4.5	4.5	3.1	3.1	3.1	26.0	26.8	26.4
Tampa-St. Petersburg-Clearwater .....	86.2	85.0	84.7	39.5	39.3	39.6	228.2	226.9	223.0
West Palm Beach-Boca Raton-DeLray Beach .....	31.1	30.4	29.8	14.0	14.1	14.0	91.8	95.0	93.6

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		
	July 1991	June 1992	July 1992 <sup>a</sup>	July 1991	June 1992	July 1992 <sup>a</sup>	July 1991	June 1992	July 1992 <sup>a</sup>
<b>Alabama</b> .....	73.4	72.6	73.0	325.6	332.6	333.6	327.4	333.7	336.6
Birmingham .....	30.0	29.9	30.1	107.8	109.1	109.5	66.2	67.5	68.1
Huntsville .....	4.0	4.0	4.0	33.6	34.7	34.9	31.7	32.8	31.6
Mobile .....	8.1	7.7	7.7	45.8	47.6	47.9	30.5	32.5	33.5
Montgomery .....	8.3	8.0	8.0	32.0	31.7	31.9	36.1	37.9	37.7
Tuscaloosa .....	2.2	2.2	2.2	10.3	10.0	10.1	19.4	19.4	19.9
<b>Alaska</b> .....	11.0	11.1	11.1	55.0	55.2	55.8	68.2	72.1	70.4
<b>Arizona</b> .....	92.6	92.0	92.1	409.7	416.7	415.2	241.7	256.1	243.8
Phoenix .....	74.0	73.3	73.4	278.2	282.7	281.1	126.5	135.4	127.6
Tucson .....	11.7	11.8	11.8	74.9	76.6	76.9	50.2	53.9	52.3
<b>Arkansas</b> .....	38.6	39.6	39.8	201.2	210.4	211.6	149.5	163.3	151.4
Fayetteville-Springdale .....	1.7	1.7	1.7	9.9	10.1	10.1	11.2	11.8	11.3
Fort Smith .....	2.6	2.5	2.5	21.2	20.2	21.3	7.7	8.9	7.5
Little Rock-North Little Rock .....	15.7	16.1	16.2	69.3	70.0	69.8	47.3	50.1	47.2
Pine Bluff .....	1.3	1.4	1.4	7.8	7.9	7.9	7.1	7.9	7.3
<b>California</b> .....	820.7	809.2	809.4	3,456.4	3,457.0	3,461.8	2,004.8	2,109.0	2,010.7
Anaheim-Santa Ana .....	96.7	94.6	94.5	326.4	322.3	324.1	120.6	130.4	118.4
Bakersfield .....	6.3	6.4	6.4	40.4	41.4	41.8	42.7	46.8	43.8
Fresno .....	13.3	13.5	13.4	54.6	55.2	55.1	47.8	51.2	49.9
Los Angeles-Long Beach .....	271.3	265.5	265.8	1,177.9	1,171.0	1,169.9	529.9	544.4	527.8
Modesto .....	5.3	5.4	5.4	26.6	27.1	27.0	18.3	22.8	21.0
Oakland .....	56.1	55.3	55.2	230.4	232.8	232.0	161.1	169.9	162.4
Oxnard-Ventura .....	12.0	11.7	11.6	60.8	60.9	61.1	45.9	45.1	44.5
Riverside-San Bernardino .....	31.9	31.0	30.8	182.0	182.5	180.3	148.7	158.2	151.7
Sacramento .....	44.0	44.2	44.2	150.0	150.7	151.7	180.7	185.9	180.7
Salinas-Seaside-Monterey .....	6.5	6.8	6.8	28.6	27.9	27.8	28.0	27.6	27.6
San Diego .....	64.3	62.7	62.9	280.8	277.5	282.6	171.1	185.0	170.6
San Francisco .....	107.9	106.8	107.0	309.1	310.3	312.8	135.5	138.8	134.4
San Jose .....	32.5	32.1	32.0	219.8	223.2	220.8	86.9	89.5	87.5
Santa Barbara-Santa Maria-Lompoc .....	8.3	8.4	8.4	43.9	43.0	43.1	27.4	30.0	27.9
Santa Rosa-Petaluma .....	9.0	9.2	9.2	38.0	39.1	39.2	21.3	25.4	21.6
Stockton .....	9.2	9.0	9.1	34.4	33.9	33.9	34.1	34.4	34.0
Vallejo-Fairfield-Napa .....	5.2	5.3	5.3	34.2	34.7	34.5	37.5	38.0	37.3
<b>Colorado</b> .....	98.1	99.4	99.4	425.4	430.4	432.3	265.2	288.2	270.1
Boulder-Longmont .....	4.3	4.4	4.5	35.4	35.6	35.9	20.8	23.4	21.2
Denver .....	66.1	67.3	67.4	241.6	243.0	242.2	125.6	133.9	125.1
<b>Connecticut</b> .....	148.7	144.9	144.6	419.7	412.6	411.0	201.8	208.7	198.9
Bridgeport-Milford .....	11.5	11.2	11.2	48.5	48.4	48.1	18.7	19.5	18.5
Hartford .....	73.4	71.4	71.2	107.6	112.1	111.5	62.9	64.7	61.1
New Britain .....	2.6	2.5	2.5	14.8	14.4	14.2	6.6	6.4	6.3
New Haven-Meriden .....	16.4	15.7	15.7	73.7	76.8	76.3	30.9	31.2	31.4
Stamford .....	14.3	13.8	13.8	38.1	37.4	37.4	9.7	10.7	9.5
Waterbury .....	3.5	3.6	3.6	23.2	22.9	23.6	12.3	12.8	12.3
<b>Delaware</b> .....	32.8	32.9	32.9	84.7	85.5	85.6	46.9	48.6	46.8
Wilmington .....	29.3	29.3	29.4	72.5	72.5	72.7	35.8	37.9	35.4
<b>District of Columbia</b> .....	34.6	33.2	33.1	254.8	253.3	252.5	288.1	287.1	298.6
Washington MSA .....	131.9	128.9	128.5	755.1	752.6	749.3	592.8	604.7	599.9
<b>Florida</b> .....	356.8	347.8	348.6	1,609.8	1,655.1	1,642.3	812.3	882.6	829.2
Daytona Beach .....	5.6	5.6	5.6	36.8	37.7	37.8	20.4	23.0	21.3
Fort Lauderdale-Hollywood-Pompano Beach .....	39.2	38.2	38.6	153.8	157.9	158.8	66.9	75.5	69.2
Fort Myers-Cape Coral .....	8.5	7.9	7.8	36.7	38.7	38.1	18.4	21.1	19.4
Gainesville .....	4.4	4.4	4.5	26.3	27.1	27.1	35.2	36.3	35.3
Jacksonville .....	45.0	44.8	44.9	113.4	115.3	115.7	60.7	65.0	61.6
Lakeland-Winter Haven .....	7.5	7.4	7.5	37.2	37.6	37.6	22.4	25.0	23.0
Melbourne-Titusville-Palm Bay .....	5.4	5.1	5.1	54.3	53.6	53.5	23.5	24.8	24.7
Miami-Hialeah .....	65.4	64.3	64.3	249.1	256.2	256.1	119.3	127.7	123.0
Orlando .....	33.4	32.1	32.2	205.8	209.0	208.5	62.8	70.7	64.8
Pensacola .....	5.4	5.3	5.4	36.8	37.7	37.7	30.2	31.7	30.2
Sarasota .....	7.7	7.3	7.2	43.4	45.2	44.6	13.0	14.3	13.3
Tallahassee .....	5.1	5.1	5.1	28.3	29.0	29.1	49.5	51.5	50.1
Tampa-St. Petersburg-Clearwater .....	63.9	63.8	64.3	275.4	285.1	283.3	109.3	119.2	110.7
West Palm Beach-Boca Raton-DeLray Beach .....	27.2	26.8	26.8	112.9	117.0	115.3	43.3	47.7	44.4

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		
	July 1991	June 1992	July 1992 <sup>p</sup>	July 1991	June 1992	July 1992 <sup>p</sup>	July 1991	June 1992	July 1992 <sup>p</sup>
<b>Georgia</b> .....	2,947.1	2,964.6	2,952.8	7.6	7.4	7.4	128.9	116.1	117.4
Albany .....	49.7	49.7	49.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.6	2.9
Athens .....	66.6	69.8	67.8	.1	.1	.1	2.2	2.2	2.3
Atlanta .....	1,464.9	1,474.5	1,468.6	1.1	1.0	1.0	62.4	54.3	54.4
Augusta .....	181.3	183.1	182.6	.5	.5	.5	13.7	13.3	13.8
Columbus .....	93.9	95.3	95.2	.1	.1	.1	4.3	3.7	3.8
Macon-Warner Robins .....	124.8	126.0	124.7	.1	.1	.1	4.2	4.5	4.3
Savannah .....	112.2	111.4	112.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.8	7.1	7.5
<b>Hawaii</b> .....	537.1	541.8	536.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	34.2	31.7	31.8
Honolulu .....	- 413.4	418.0	412.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	25.9	24.6	24.6
<b>Idaho</b> .....	400.3	414.8	411.3	3.1	3.0	3.1	22.4	21.7	22.5
Boise City .....	112.5	113.5	114.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.8	5.8	5.9
<b>Illinois</b> .....	5,234.8	5,240.4	5,219.0	20.1	18.7	18.8	213.5	211.9	218.6
Aurora-Elgin .....	151.7	153.7	153.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.1	8.3	8.7
Bloomington-Normal .....	63.8	65.4	65.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.2	2.3
Champaign-Urbana-Rantoul .....	89.1	87.7	86.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	2.9	3.0
Chicago .....	3,156.3	3,123.2	3,121.5	2.1	1.9	1.9	127.9	116.5	122.1
Davenport-Rock Island-Moline .....	163.5	168.9	165.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.6	7.8	7.9
Decatur .....	53.2	54.8	55.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.6	3.1	3.3
Joliet .....	111.0	112.0	111.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.4	8.4	8.7
Kankakee .....	38.4	40.7	40.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	1.9	2.0
Lake County .....	231.3	233.9	232.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.1	11.4	11.7
Peoria .....	151.5	152.2	151.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.6	7.6	8.0
Rockford .....	138.7	138.1	138.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.5	5.4	5.5
Springfield .....	109.8	108.5	108.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.8	4.3	4.6
<b>Indiana</b> .....	2,493.7	2,545.2	2,528.2	8.2	7.5	7.5	126.0	120.5	123.0
Anderson .....	47.9	48.9	48.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.2	1.2
Bloomington .....	53.5	55.3	54.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.7	2.9
Elkhart-Goshen .....	98.4	101.2	100.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	3.5	3.6
Evansville .....	136.3	138.7	138.8	2.2	1.8	1.8	7.6	7.5	7.6
Fort Wayne .....	199.3	198.3	197.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.8	8.7	8.7
Gary-Hammond .....	247.6	256.2	255.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	17.7	18.6	19.2
Indianapolis .....	676.9	688.1	688.2	.8	.8	.7	36.8	38.1	38.7
Kokomo .....	45.7	47.3	46.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	1.8	1.8
Lafayette-West Lafayette .....	67.5	67.8	66.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.7	2.8
Muncie .....	53.3	53.0	52.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.1	2.2
South Bend-Mishawaka .....	115.7	120.3	119.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.2	8.1	8.4
Terre Haute .....	58.2	61.5	61.4	.5	.5	.5	3.0	3.4	3.6
<b>Iowa</b> .....	1,234.5	1,256.3	1,234.5	2.3	2.3	2.3	52.9	49.2	50.5
Cedar Rapids .....	93.4	94.5	93.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.2	4.9	5.0
Des Moines .....	237.5	240.2	238.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.1	10.5	10.8
Dubuque .....	46.3	46.7	46.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	2.1	2.1
Iowa City .....	56.3	58.4	57.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	2.3	2.2
Sioux City .....	57.2	58.9	58.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.9	3.0	3.1
Waterloo-Cedar Falls .....	69.2	70.6	70.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	3.2	3.3
<b>Kansas</b> .....	1,087.2	1,123.2	1,108.9	9.9	9.6	9.8	44.9	48.1	49.0
Lawrence .....	35.4	36.4	35.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.8	1.9
Topeka .....	91.2	92.6	90.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	3.8	4.0
Wichita .....	243.0	244.4	241.3	1.8	1.7	1.7	11.5	10.9	11.1
<b>Kentucky</b> .....	1,464.8	1,491.9	1,482.3	32.0	30.1	30.1	66.2	66.1	67.2
Lexington-Fayette .....	198.9	203.2	204.5	.3	.3	.3	10.7	10.4	10.7
Louisville .....	485.6	495.9	494.8	.5	.5	.5	23.4	23.1	23.6
Owensboro .....	36.8	37.2	36.6	.6	.7	.7	2.2	2.1	2.1
<b>Louisiana</b> .....	1,620.9	1,622.1	1,620.2	57.6	51.8	51.7	98.2	96.4	96.2
Alexandria .....	46.9	48.1	47.2	.1	.1	.1	3.6	3.5	3.5
Baton Rouge .....	244.4	245.5	245.9	.9	.8	.8	30.3	31.4	31.0
Houma-Thibodaux .....	59.2	57.4	57.2	5.5	4.7	4.6	2.6	2.8	2.8
Lafayette .....	103.4	99.7	100.2	14.4	13.0	13.0	4.7	4.4	4.4
Lake Charles .....	71.1	70.6	70.6	1.3	1.1	1.1	9.1	7.3	7.4
Monroe .....	61.4	60.1	60.6	.4	.4	.4	3.2	3.0	3.1
New Orleans .....	540.5	538.7	539.2	15.9	14.2	14.2	22.8	23.3	23.3
Shreveport .....	132.1	135.9	134.6	3.0	3.0	3.1	6.2	6.1	6.3

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		
	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>
<b>Georgia</b> .....	541.3	545.9	544.9	194.2	199.5	200.5	736.7	732.6	736.1
Albany .....	7.9	7.6	7.6	3.0	2.8	2.8	11.8	11.7	11.5
Athens .....	14.4	14.3	14.4	2.0	2.0	2.0	15.5	16.1	16.0
Atlanta .....	172.4	172.3	171.3	125.3	132.3	132.7	398.2	393.1	394.0
Augusta .....	41.2	41.9	42.2	5.1	5.4	5.3	40.1	39.5	39.5
Columbus .....	19.4	19.8	19.7	3.0	2.9	3.0	20.2	20.4	20.3
Macon-Warner Robins .....	18.5	18.2	18.1	5.2	4.9	5.0	28.8	28.8	28.9
Savannah .....	16.1	16.1	16.1	9.8	9.8	9.8	28.1	26.9	27.3
<b>Hawaii</b> .....	20.7	20.6	20.6	43.6	43.4	43.2	137.4	135.4	135.9
Honolulu .....	15.3	14.8	14.8	35.7	35.5	35.4	102.7	101.1	101.6
<b>Idaho</b> .....	64.1	65.2	65.3	20.0	20.3	20.5	102.0	104.1	105.0
Boise City .....	17.2	18.0	18.0	6.0	6.1	6.1	27.7	27.1	27.2
<b>Illinois</b> .....	946.0	944.2	942.0	301.9	298.7	297.3	1,258.4	1,252.5	1,257.4
Aurora-Elgin .....	36.1	35.9	35.7	3.4	3.3	3.3	38.8	39.3	39.6
Bloomington-Normal .....	7.6	7.6	7.6	2.8	2.8	2.8	15.6	15.3	15.4
Champaign-Urbana-Rantoul .....	9.2	9.8	9.5	2.5	2.5	2.5	20.0	19.4	19.7
Chicago .....	532.3	529.6	527.4	202.6	196.4	194.9	756.8	746.7	745.5
Davenport-Rock Island-Moline .....	27.9	28.5	28.2	8.0	8.0	8.0	46.6	47.7	47.9
Decatur .....	13.4	14.7	14.7	4.7	4.8	4.8	11.3	11.3	11.4
Joliet .....	20.2	20.1	20.1	8.5	8.7	8.8	26.6	26.4	26.3
Kankakee .....	6.0	6.2	6.3	1.4	1.4	1.4	9.5	9.7	9.7
Lake County .....	50.3	51.0	50.6	7.5	7.5	7.4	60.9	60.3	60.5
Peoria .....	32.5	32.8	32.8	6.5	7.0	7.0	36.2	35.7	35.9
Rockford .....	46.7	45.5	45.6	4.9	4.8	4.7	30.3	30.2	30.4
Springfield .....	3.7	3.9	3.9	4.8	4.9	4.9	25.3	24.7	24.9
<b>Indiana</b> .....	618.9	626.6	622.6	132.8	132.3	132.8	597.9	607.0	605.7
Anderson .....	15.1	15.0	14.7	1.1	1.0	1.0	11.4	11.1	11.1
Bloomington .....	9.0	8.8	8.8	1.8	1.8	1.8	12.0	12.4	12.4
Elkhart-Goshen .....	48.8	50.6	50.5	3.1	3.1	3.1	19.3	19.9	19.9
Evansville .....	31.5	32.7	32.6	6.9	6.8	6.7	34.5	34.0	34.0
Fort Wayne .....	50.0	49.8	49.3	13.1	13.1	13.0	50.2	49.6	49.5
Gary-Hammond .....	54.7	54.3	54.3	18.0	18.4	18.4	59.1	61.2	61.6
Indianapolis .....	109.7	109.1	108.9	43.7	44.4	44.7	174.1	177.1	178.8
Kokomo .....	17.7	18.5	18.1	1.5	1.4	1.4	9.8	9.9	9.9
Lafayette-West Lafayette .....	14.4	14.0	14.0	2.3	2.4	2.4	14.2	14.2	14.0
Muncie .....	11.2	11.3	11.2	2.5	2.6	2.5	13.0	12.8	12.7
South Bend-Mishawaka .....	20.8	20.9	20.5	5.6	5.5	5.5	30.0	30.7	30.6
Terre Haute .....	11.4	12.3	12.3	2.7	2.6	2.6	16.1	17.0	16.9
<b>Iowa</b> .....	233.1	231.1	230.0	55.7	55.3	55.0	317.1	319.6	318.6
Cedar Rapids .....	21.3	20.6	20.6	5.5	5.5	5.5	22.7	23.1	23.1
Des Moines .....	26.1	26.0	26.1	12.4	12.1	11.9	61.9	62.2	62.1
Dubuque .....	12.8	12.6	12.3	1.9	2.0	2.0	10.8	11.0	11.0
Iowa City .....	4.8	4.7	4.5	1.5	1.5	1.5	11.0	11.2	11.1
Sioux City .....	11.4	11.5	11.5	3.3	3.2	3.2	14.9	15.2	15.2
Waterloo-Cedar Falls .....	16.8	16.4	16.6	1.9	1.9	1.9	16.9	17.3	17.3
<b>Kansas</b> .....	184.7	183.8	183.3	65.4	64.7	64.8	271.5	274.2	273.9
Lawrence .....	4.7	4.9	5.0	1.1	1.1	1.0	9.0	9.3	9.0
Topeka .....	9.6	9.4	9.3	6.1	5.9	5.9	20.0	20.4	19.9
Wichita .....	62.6	61.2	60.8	11.5	11.4	11.4	56.3	56.4	56.2
<b>Kentucky</b> .....	279.2	285.3	285.3	81.4	83.5	84.1	353.4	357.7	357.3
Lexington-Fayette .....	32.6	33.2	33.3	8.8	8.8	8.9	44.6	45.9	45.7
Louisville .....	85.6	87.2	87.1	31.3	32.1	32.3	121.1	122.8	122.6
Owensboro .....	6.7	6.7	6.5	2.4	2.3	2.3	9.5	9.5	9.5
<b>Louisiana</b> .....	167.2	167.4	166.7	110.3	109.1	109.0	375.5	372.2	372.0
Alexandria .....	3.2	3.3	3.2	2.4	2.4	2.4	10.5	10.7	10.6
Baton Rouge .....	23.1	23.6	23.5	11.1	11.1	11.1	53.2	53.7	53.6
Houma-Thibodaux .....	6.1	5.5	5.4	6.6	5.9	6.0	15.2	15.0	14.9
Lafayette .....	9.8	9.4	9.3	6.2	6.0	6.0	26.0	25.9	25.9
Lake Charles .....	10.3	10.6	10.4	4.2	4.2	4.6	15.9	16.0	16.0
Monroe .....	6.1	8.0	8.0	3.4	3.3	3.2	15.2	15.4	15.2
New Orleans .....	45.6	44.9	44.4	43.2	43.1	43.0	134.6	135.4	134.9
Shreveport .....	16.6	17.2	17.3	8.0	7.9	8.0	32.3	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		
	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>
<b>Georgia</b> .....	164.9	163.3	163.3	644.0	654.7	655.9	529.5	545.1	527.3
Albany .....	2.2	2.1	2.1	9.3	9.3	9.1	12.9	13.6	13.2
Athens .....	2.2	2.2	2.1	10.9	11.6	11.5	19.3	21.3	19.4
Atlanta .....	105.2	103.8	104.0	377.6	386.5	388.7	222.7	231.2	222.5
Augusta .....	6.3	6.2	6.2	38.9	39.4	39.6	35.5	36.9	35.5
Columbus .....	6.4	6.8	6.9	19.5	19.9	20.1	21.0	21.7	21.3
Macon-Warner Robins .....	7.9	8.1	8.1	26.3	26.5	26.2	33.8	34.9	34.0
Savannah .....	4.7	4.9	4.9	28.4	28.9	29.1	17.3	17.7	17.6
<b>Hawaii</b> .....	37.7	38.0	38.0	158.7	159.8	160.1	104.8	112.9	106.6
Honolulu .....	30.8	30.9	30.9	117.2	118.2	118.6	85.8	92.9	86.7
<b>Idaho</b> .....	20.8	21.7	21.6	88.2	89.2	90.5	79.7	89.6	82.8
Boise City .....	8.5	8.8	8.9	26.7	27.6	27.9	19.6	20.1	20.3
<b>Illinois</b> .....	382.7	380.2	379.5	1,379.8	1,381.1	1,379.2	732.4	753.1	726.2
Aurora-Elgin .....	10.1	10.2	10.2	38.4	39.6	39.6	15.8	17.1	16.1
Bloomington-Normal .....	11.2	11.5	11.6	14.8	15.3	15.7	9.6	10.7	10.0
Champaign-Urbana-Rantoul .....	3.4	3.5	3.4	18.8	19.2	19.2	32.4	30.4	29.6
Chicago .....	268.9	266.9	267.5	891.6	887.2	889.6	374.1	378.0	372.6
Davenport-Rock Island-Moline .....	7.9	7.9	7.9	40.2	41.2	41.2	24.3	25.8	24.0
Decatur .....	2.2	2.3	2.3	12.6	12.7	12.8	5.4	5.9	5.7
Joliet .....	4.0	4.0	4.1	26.8	27.1	27.5	16.5	17.3	16.1
Kankakee .....	1.8	1.7	1.7	11.6	12.6	12.9	6.0	7.2	6.3
Lake County .....	13.8	13.9	13.9	56.7	56.9	57.1	31.0	32.9	31.0
Peoria .....	7.8	7.9	7.9	43.7	43.6	43.7	16.2	17.6	16.1
Rockford .....	5.6	5.7	5.8	33.9	34.1	34.2	11.8	12.4	12.0
Springfield .....	7.9	7.9	8.0	29.7	30.1	30.2	33.6	32.7	31.9
<b>Indiana</b> .....	127.1	128.0	127.9	533.7	557.3	556.4	349.2	366.0	352.2
Anderson .....	1.6	1.5	1.5	11.0	12.0	11.7	6.2	7.0	7.1
Bloomington .....	2.0	2.1	1.9	10.7	11.4	11.5	15.5	16.0	15.5
Elkhart-Goshen .....	2.8	2.7	2.7	14.8	14.9	14.7	5.8	6.5	6.3
Evansville .....	5.9	5.6	5.6	35.0	36.2	36.2	12.8	14.0	14.2
Fort Wayne .....	13.2	12.4	12.4	45.2	46.4	46.2	17.9	18.2	18.4
Gary-Hammond .....	8.5	8.6	8.7	58.5	61.6	61.1	31.2	33.5	32.3
Indianapolis .....	50.7	52.7	52.7	162.4	165.7	166.1	96.7	100.2	97.5
Kokomo .....	1.5	1.4	1.4	7.2	7.8	7.7	6.2	6.4	6.1
Lafayette-West Lafayette .....	3.2	3.2	3.2	13.4	13.3	13.2	17.5	18.1	16.6
Muncie .....	1.8	1.8	1.8	12.4	12.4	12.4	10.1	10.1	10.1
South Bend-Mishawaka .....	6.7	6.9	6.9	33.7	35.9	35.8	11.8	12.3	12.3
Terre Haute .....	2.1	2.2	2.2	13.1	13.7	13.6	9.4	9.8	9.7
<b>Iowa</b> .....	73.1	74.2	74.5	295.2	301.1	298.1	205.1	223.5	205.5
Cedar Rapids .....	4.9	5.0	5.0	23.6	24.1	23.7	10.2	11.3	10.9
Des Moines .....	33.4	34.0	34.4	62.7	62.9	62.0	30.9	32.5	30.9
Dubuque .....	1.6	1.6	1.6	14.1	14.1	13.9	3.1	3.3	3.1
Iowa City .....	1.5	1.5	1.5	10.2	11.0	10.7	25.3	26.2	26.3
Sioux City .....	2.6	2.7	2.7	15.9	16.4	16.4	6.2	6.9	6.2
Waterloo-Cedar Falls .....	3.4	3.8	3.9	16.2	16.2	16.2	11.0	11.8	10.9
<b>Kansas</b> .....	59.1	58.6	58.7	250.3	258.8	261.5	201.4	225.4	207.9
Lawrence .....	1.7	1.6	1.6	7.8	7.6	7.6	9.6	10.1	9.4
Topeka .....	6.5	6.4	6.4	23.9	24.1	23.9	21.4	22.6	21.3
Wichita .....	11.0	10.8	10.9	61.1	62.0	61.9	27.2	30.0	27.3
<b>Kentucky</b> .....	63.3	62.9	63.1	338.0	343.7	341.9	250.3	262.6	253.3
Lexington-Fayette .....	9.7	9.5	9.5	50.8	51.9	51.6	41.4	43.2	44.5
Louisville .....	27.7	28.1	28.1	130.2	132.3	131.9	65.8	69.8	68.7
Owensboro .....	1.5	1.4	1.4	8.8	9.1	9.0	5.1	5.4	5.1
<b>Louisiana</b> .....	79.8	79.3	79.3	381.6	386.1	384.9	330.7	339.8	340.4
Alexandria .....	2.0	2.1	2.1	12.7	13.1	13.1	12.4	12.9	12.2
Baton Rouge .....	13.4	13.4	13.5	56.0	56.9	56.9	56.4	54.6	55.3
Houma-Thibodaux .....	2.1	2.2	2.1	10.6	10.6	10.5	10.5	10.7	10.9
Lafayette .....	4.0	3.9	3.9	24.2	24.0	23.9	14.1	13.1	13.8
Lake Charles .....	2.9	2.9	2.9	15.3	16.0	15.8	12.1	12.5	12.4
Monroe .....	4.2	4.3	4.4	14.4	14.8	14.7	12.5	10.9	11.8
New Orleans .....	31.6	30.7	30.6	152.6	155.0	153.7	94.2	92.1	95.1
Shreveport .....	6.5	6.2	6.3	34.5	35.1	35.1	25.0	27.5	25.4

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		
	July 1991	June 1992	July 1992 <sup>p</sup>	July 1991	June 1992	July 1992 <sup>p</sup>	July 1991	June 1992	July 1992 <sup>p</sup>
<b>Maine</b> .....	516.5	521.6	515.7	0.1	0.1	0.1	24.3	22.5	22.6
Lewiston-Auburn .....	36.5	38.0	36.6	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	1.8	1.8	1.8
Portland .....	122.1	122.1	120.8	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	5.6	5.1	5.2
<b>Maryland</b> .....	2,099.6	2,071.0	2,054.8	1.6	1.4	1.4	136.4	126.7	127.8
Baltimore MSA .....	1,106.1	1,089.3	1,083.3	.3	.3	.2	64.9	59.8	60.0
Baltimore City .....	432.5	424.7	430.9	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	15.4	14.0	14.2
Suburban Maryland-D.C. ....	749.3	739.6	727.5	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	57.4	54.0	54.2
<b>Massachusetts</b> .....	2,807.2	2,795.6	2,749.0	1.3	1.3	1.3	85.5	75.0	75.6
Boston .....	1,569.2	1,549.5	1,522.8	.5	.6	.6	42.6	35.8	35.2
Brockton .....	63.4	63.6	62.5	( <sup>c</sup> )	( <sup>c</sup> )	( <sup>c</sup> )	1.9	1.8	1.7
Fall River .....	47.3	47.8	46.8	( <sup>c</sup> )	( <sup>c</sup> )	( <sup>c</sup> )	1.5	1.4	1.4
Fitchburg-Leominster .....	36.1	36.7	35.9	( <sup>c</sup> )	( <sup>c</sup> )	( <sup>c</sup> )	1.3	1.1	1.1
Lawrence-Haverhill .....	145.0	143.7	141.6	( <sup>c</sup> )	( <sup>c</sup> )	( <sup>c</sup> )	4.6	3.9	4.3
Lowell .....	94.2	92.8	90.6	( <sup>d</sup> )	( <sup>d</sup> )	( <sup>d</sup> )	3.2	2.8	2.8
New Bedford .....	59.8	59.3	58.4	( <sup>e</sup> )	( <sup>e</sup> )	( <sup>e</sup> )	1.9	1.4	1.5
Pittsfield .....	39.4	39.2	39.1	.1	.1	.1	1.9	1.8	1.8
Springfield .....	216.6	215.1	210.7	.2	.2	.2	6.4	5.2	5.2
Worcester .....	176.1	175.4	171.0	.1	.1	.2	5.5	4.7	4.8
<b>Michigan</b> .....	3,846.1	3,889.7	3,847.2	9.3	9.4	9.2	141.4	133.8	138.4
Ann Arbor .....	166.2	177.9	174.1	( <sup>f</sup> )	( <sup>f</sup> )	( <sup>f</sup> )	3.9	4.0	4.1
Battle Creek .....	57.8	59.5	58.9	( <sup>f</sup> )	( <sup>f</sup> )	( <sup>f</sup> )	2.3	2.3	2.4
Benton Harbor .....	66.8	67.2	67.2	( <sup>f</sup> )	( <sup>f</sup> )	( <sup>f</sup> )	2.0	2.0	2.1
Detroit .....	1,866.7	1,853.1	1,840.7	.8	.5	.5	62.0	58.8	61.3
Flint .....	164.8	165.3	161.8	( <sup>g</sup> )	( <sup>g</sup> )	( <sup>g</sup> )	5.4	5.3	5.6
Grand Rapids .....	355.1	362.2	357.7	( <sup>g</sup> )	( <sup>g</sup> )	( <sup>g</sup> )	16.7	16.2	16.3
Jackson .....	52.7	53.9	52.8	( <sup>g</sup> )	( <sup>g</sup> )	( <sup>g</sup> )	1.8	1.8	1.9
Kalamazoo .....	110.2	111.2	110.2	( <sup>g</sup> )	( <sup>g</sup> )	( <sup>g</sup> )	3.6	3.3	3.4
Lansing-East Lansing .....	204.0	217.0	208.1	( <sup>g</sup> )	( <sup>g</sup> )	( <sup>g</sup> )	6.8	5.5	5.6
Muskegon .....	57.5	57.4	57.2	( <sup>g</sup> )	( <sup>g</sup> )	( <sup>g</sup> )	2.3	2.2	2.3
Saginaw-Bay City-Midland .....	163.9	166.0	163.3	( <sup>g</sup> )	( <sup>g</sup> )	( <sup>g</sup> )	8.0	7.6	7.9
<b>Minnesota</b> .....	2,141.2	2,189.1	2,162.3	8.3	8.0	7.7	86.7	84.3	86.3
Duluth .....	99.9	99.4	99.1	5.4	5.5	5.1	4.3	3.7	3.8
Minneapolis-St. Paul .....	1,367.8	1,399.6	1,387.9	( <sup>h</sup> )	( <sup>h</sup> )	( <sup>h</sup> )	52.0	52.1	53.0
Rochester .....	67.4	68.6	68.6	( <sup>h</sup> )	( <sup>h</sup> )	( <sup>h</sup> )	2.4	2.6	2.6
St. Cloud .....	80.3	84.5	83.1	( <sup>h</sup> )	( <sup>h</sup> )	( <sup>h</sup> )	4.4	4.6	4.7
<b>Mississippi</b> .....	930.4	941.2	933.7	5.6	5.1	5.1	35.5	37.8	38.5
Jackson .....	183.7	187.1	185.1	.5	.6	.7	7.3	7.7	7.8
<b>Missouri</b> .....	2,287.5	2,302.2	2,283.8	4.8	4.7	4.7	94.8	92.6	95.1
Kansas City .....	774.9	783.1	776.8	( <sup>i</sup> )	( <sup>i</sup> )	( <sup>i</sup> )	31.9	30.1	30.4
St. Louis .....	1,159.6	1,156.5	1,154.6	( <sup>i</sup> )	( <sup>i</sup> )	( <sup>i</sup> )	53.9	50.9	51.7
Springfield .....	120.3	122.4	120.8	( <sup>i</sup> )	( <sup>i</sup> )	( <sup>i</sup> )	5.1	5.0	5.1
<b>Montana</b> .....	303.7	314.8	309.1	6.4	6.1	6.3	13.2	13.0	13.4
<b>Nebraska</b> .....	734.1	747.2	733.9	1.6	1.6	1.6	29.8	29.6	30.3
Lincoln .....	122.3	126.4	122.9	( <sup>j</sup> )	( <sup>j</sup> )	( <sup>j</sup> )	5.4	5.5	5.6
Omaha .....	330.8	333.8	330.4	( <sup>j</sup> )	( <sup>j</sup> )	( <sup>j</sup> )	13.9	14.6	14.8
<b>Nevada</b> .....	632.8	645.8	645.5	13.8	13.8	13.9	41.2	43.6	43.4
Las Vegas .....	384.1	392.8	394.2	.2	.3	.2	28.8	30.7	30.3
Reno .....	144.0	145.1	143.9	1.4	1.4	1.4	7.1	6.9	6.9
<b>New Hampshire</b> .....	478.0	477.9	469.9	.5	.4	.4	18.8	16.7	17.9
Manchester .....	74.2	73.9	74.2	( <sup>k</sup> )	( <sup>k</sup> )	( <sup>k</sup> )	2.8	2.4	2.7
Nashua .....	79.6	80.5	77.6	( <sup>k</sup> )	( <sup>k</sup> )	( <sup>k</sup> )	2.3	2.0	2.0
Portsmouth-Dover-Rochester ..	102.2	101.3	99.6	( <sup>k</sup> )	( <sup>k</sup> )	( <sup>k</sup> )	3.5	3.3	3.4
<b>New Jersey</b> .....	3,510.4	3,451.2	3,419.0	2.0	2.0	2.0	129.2	108.1	108.7
Atlantic City .....	180.9	177.8	180.1	( <sup>l</sup> )	( <sup>l</sup> )	( <sup>l</sup> )	6.3	5.5	5.4
Bergen-Passaic .....	610.0	595.4	588.1	( <sup>l</sup> )	( <sup>l</sup> )	( <sup>l</sup> )	25.1	19.9	19.0
Camden .....	431.1	429.1	423.5	( <sup>l</sup> )	( <sup>l</sup> )	( <sup>l</sup> )	19.8	17.5	17.9
Jersey City .....	233.4	234.7	232.0	( <sup>l</sup> )	( <sup>l</sup> )	( <sup>l</sup> )	5.0	4.0	4.1
Middlesex-Somerset-Hunterdon ..	526.7	516.7	509.0	.5	.5	.6	18.9	15.4	14.7
Monmouth-Ocean .....	334.9	328.4	327.0	( <sup>l</sup> )	( <sup>l</sup> )	( <sup>l</sup> )	14.3	13.7	14.0
Newark .....	892.2	870.8	865.4	.6	.6	.6	31.8	26.9	27.5
Trenton .....	189.3	193.7	190.6	( <sup>l</sup> )	( <sup>l</sup> )	( <sup>l</sup> )	4.2	3.8	4.0
Vineland-Millville-Bridgeton ..	57.7	57.8	57.3	.3	.3	.3	2.0	1.9	1.9

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		
	July 1991	June 1992	July 1992 <sup>a</sup>	July 1991	June 1992	July 1992 <sup>a</sup>	July 1991	June 1992	July 1992 <sup>a</sup>
<b>Maine</b> .....	95.3	95.3	94.0	22.8	22.9	23.3	132.6	129.6	130.2
Lewiston-Auburn .....	7.7	8.2	7.6	1.4	1.4	1.3	9.6	9.8	9.7
Portland .....	15.1	14.7	14.1	6.0	5.4	5.4	36.0	35.4	35.3
<b>Maryland</b> .....	189.5	186.6	185.3	99.4	98.9	97.2	514.3	500.4	498.8
Baltimore MSA .....	117.0	115.1	114.6	54.5	54.5	53.6	255.6	248.2	245.9
Baltimore City .....	38.0	40.2	40.0	22.7	22.6	22.3	77.7	74.9	74.5
Suburban Maryland-D.C. ....	34.0	33.4	33.2	31.2	31.4	31.3	188.8	183.8	183.2
<b>Massachusetts</b> .....	475.6	464.2	453.8	120.8	123.8	120.6	651.8	642.1	635.7
Boston .....	219.9	211.2	207.3	71.7	71.2	70.8	338.1	330.6	327.4
Brockton .....	8.6	8.8	8.6	4.0	4.1	4.0	20.3	19.6	19.6
Fall River .....	11.8	12.5	12.0	1.8	1.8	1.8	12.9	12.6	12.4
Fitchburg-Leominster .....	10.4	10.8	10.5	1.3	1.5	1.5	8.9	9.1	8.9
Lawrence-Haverhill .....	41.8	41.9	41.2	5.9	6.5	6.2	32.8	31.1	30.5
Lowell .....	30.4	28.2	27.9	4.8	5.0	5.0	20.5	20.3	19.8
New Bedford .....	14.6	14.8	14.0	2.4	2.5	2.3	15.5	15.4	15.4
Pittsfield .....	7.9	7.9	7.8	1.3	1.3	1.3	9.6	9.3	9.3
Springfield .....	43.2	43.0	42.7	8.8	9.0	8.7	49.6	47.4	46.7
Worcester .....	35.9	36.1	35.5	8.6	8.7	8.5	42.1	41.1	39.7
<b>Michigan</b> .....	889.8	907.8	889.4	159.3	158.5	157.5	934.2	921.8	923.6
Ann Arbor .....	33.6	37.9	37.8	5.5	5.1	5.3	32.0	32.3	31.7
Battle Creek .....	15.1	15.9	15.6	1.9	1.8	1.9	13.4	13.5	13.4
Benton Harbor .....	21.0	20.5	20.7	2.8	2.8	2.8	14.3	14.2	14.2
Detroit .....	422.1	424.0	411.5	86.7	87.1	85.9	457.9	436.7	440.7
Flint .....	48.4	46.4	45.1	5.1	5.0	5.0	40.8	40.4	39.9
Grand Rapids .....	99.6	101.1	100.6	13.5	13.6	13.6	95.1	96.9	96.2
Jackson .....	11.8	11.7	11.4	3.8	3.7	3.7	13.1	13.6	13.7
Kalamazoo .....	28.0	28.1	27.8	3.1	3.2	3.3	25.1	25.2	25.1
Lansing-East Lansing .....	24.9	30.9	30.6	6.2	6.3	6.4	47.0	47.9	47.4
Muskegon .....	15.7	14.6	14.4	2.2	2.2	2.2	14.5	14.6	14.6
Saginaw-Bay City-Midland .....	43.5	43.6	43.0	6.3	6.2	6.2	41.5	40.7	40.4
<b>Minnesota</b> .....	402.2	398.3	400.8	108.9	111.4	108.8	526.4	524.6	523.3
Duluth .....	8.2	8.1	8.2	6.2	6.2	6.2	26.0	25.1	25.1
Minneapolis-St. Paul .....	260.2	258.9	259.7	77.3	79.7	77.9	328.4	327.1	327.3
Rochester .....	12.2	11.4	11.8	2.1	2.1	2.1	13.6	13.7	13.7
St. Cloud .....	15.3	16.0	16.1	4.2	4.3	4.2	23.8	24.4	24.3
<b>Mississippi</b> .....	246.5	249.3	245.6	45.0	43.9	43.6	198.4	200.6	199.7
Jackson .....	22.6	22.9	22.6	13.2	12.8	13.1	43.7	44.3	44.2
<b>Missouri</b> .....	417.4	411.3	409.8	150.0	151.0	148.8	553.5	551.5	548.8
Kansas City .....	107.0	105.8	105.7	63.4	63.8	63.3	195.4	197.6	196.0
St. Louis .....	207.1	202.0	203.3	78.6	77.6	76.8	279.1	274.0	273.4
Springfield .....	20.8	20.3	19.7	7.3	7.4	7.5	34.5	34.7	34.4
<b>Montana</b> .....	22.4	22.1	22.2	20.2	20.8	20.5	83.8	84.7	85.7
<b>Nebraska</b> .....	97.9	100.3	98.5	47.7	48.0	47.4	187.1	184.5	183.4
Lincoln .....	14.6	15.1	14.7	7.5	7.5	7.4	25.6	25.2	25.2
Omaha .....	35.4	35.3	34.8	24.1	24.7	24.3	82.2	81.3	80.6
<b>Nevada</b> .....	25.9	26.3	26.3	33.3	33.3	33.3	130.4	130.8	130.9
Las Vegas .....	10.5	11.1	11.1	20.6	20.8	20.8	80.6	80.6	80.8
Reno .....	8.8	9.0	9.1	9.5	9.3	9.3	33.6	33.0	33.1
<b>New Hampshire</b> .....	96.1	98.0	95.6	16.8	16.8	16.0	121.4	114.9	116.0
Manchester .....	10.2	10.1	9.9	4.2	4.1	4.1	18.2	17.6	17.3
Nashua .....	28.4	28.2	27.7	2.7	2.6	2.6	18.8	18.2	17.7
Portsmouth-Dover-Rochester .....	19.2	19.7	18.8	3.0	2.9	2.9	24.5	22.5	23.3
<b>New Jersey</b> .....	557.2	536.8	525.7	226.7	228.3	222.4	825.7	795.7	790.3
Atlantic City .....	7.3	7.7	7.3	6.9	7.0	6.8	42.6	40.2	42.0
Bergen-Passaic .....	125.6	122.8	120.6	28.6	27.2	26.8	170.7	161.6	160.0
Camden .....	60.1	58.2	58.0	19.5	18.9	18.1	112.9	112.8	111.4
Jersey City .....	35.4	35.2	34.4	29.0	28.9	28.7	60.8	60.0	59.7
Middlesex-Somerset-Hunterdon .....	102.1	97.8	95.3	41.4	42.0	40.8	124.1	120.4	118.9
Monmouth-Ocean .....	23.5	22.2	21.9	15.2	15.0	14.6	90.9	85.7	86.4
Newark .....	148.5	143.5	141.4	74.8	74.5	73.7	172.7	166.1	163.8
Trenton .....	25.6	24.8	24.9	6.5	6.8	6.5	30.2	30.4	30.5
Vineyard-Millville-Bridgeton .....	15.1	14.6	14.7	2.3	2.3	2.2	10.2	10.2	9.9

See footnotes at end of table.



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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>
<b>Maine</b> .....	25.3	26.2	26.1	132.1	128.7	135.0	84.0	96.3	84.4
Lewiston-Auburn .....	2.1	2.1	2.0	10.2	10.4	10.3	3.7	4.3	3.9
Portland .....	12.3	12.7	12.6	33.4	33.5	34.0	13.7	15.3	14.2
<b>Maryland</b> .....	131.7	127.5	127.3	627.8	619.8	620.5	398.9	409.7	396.5
Baltimore MSA .....	75.6	73.3	73.1	330.9	329.7	326.5	207.3	208.4	209.4
Baltimore City .....	42.8	41.5	41.4	143.6	142.2	142.2	92.3	89.3	96.3
Suburban Maryland-D.C. ....	46.8	45.6	45.5	237.4	230.9	231.2	153.7	160.5	148.9
<b>Massachusetts</b> .....	205.3	199.8	199.4	900.2	907.2	904.9	366.7	382.2	357.7
Boston .....	141.1	138.8	138.9	566.5	566.3	561.7	188.8	195.0	180.9
Brockton .....	2.9	2.9	2.9	14.7	14.9	14.7	11.0	11.5	11.0
Fall River .....	3.0	2.9	2.9	10.3	10.5	10.4	6.0	6.1	5.9
Fitchburg-Leominster .....	1.5	1.5	1.5	8.5	8.2	8.2	4.2	4.5	4.2
Lawrence-Haverhill .....	5.2	5.2	5.2	36.0	35.9	35.9	18.7	19.2	18.3
Lowell .....	3.3	3.3	3.2	20.5	20.0	19.7	11.5	13.2	12.2
New Bedford .....	2.3	2.4	2.4	13.8	13.6	13.8	9.3	9.2	9.0
Pittsfield .....	2.1	2.0	2.1	12.2	12.0	12.3	4.3	4.8	4.4
Springfield .....	14.8	13.6	13.6	58.8	60.1	60.3	34.8	36.6	33.3
Worcester .....	13.6	13.1	13.1	47.8	48.0	47.3	22.5	23.6	21.9
<b>Michigan</b> .....	191.2	190.4	190.8	938.6	949.8	947.0	582.2	618.4	591.3
Ann Arbor .....	5.1	5.0	5.2	37.7	38.8	39.0	48.5	54.9	51.1
Battle Creek .....	3.3	3.3	3.3	11.5	11.3	11.4	10.3	11.3	10.9
Benton Harbor .....	2.7	2.8	2.8	15.3	15.8	15.6	8.6	9.2	9.1
Detroit .....	110.1	107.8	108.0	504.9	506.7	503.6	222.3	231.5	229.1
Flint .....	5.9	5.9	5.8	38.6	40.1	40.0	20.6	22.2	20.4
Grand Rapids .....	16.2	16.2	16.1	83.0	84.4	83.9	30.9	33.7	31.0
Jackson .....	1.8	1.8	1.8	11.0	11.2	11.1	9.3	10.1	9.3
Kalamazoo .....	6.1	6.1	6.0	28.5	28.7	28.9	15.6	16.6	15.7
Lansing-East Lansing .....	12.2	12.4	12.5	43.5	44.2	43.8	63.4	69.7	61.8
Muskegon .....	1.6	1.6	1.6	13.0	12.7	12.9	8.3	9.4	9.2
Saginaw-Bay City-Midland .....	6.2	5.9	5.9	39.2	40.0	39.5	19.3	21.9	20.4
<b>Minnesota</b> .....	129.1	129.2	129.6	562.8	579.9	581.6	316.8	353.4	324.2
Duluth .....	3.5	3.5	3.5	25.5	26.0	25.8	20.8	21.3	21.4
Minneapolis-St. Paul .....	100.6	100.3	100.5	369.7	385.0	385.6	179.2	196.1	183.5
Rochester .....	1.7	1.7	1.8	29.7	30.1	30.5	5.7	7.0	6.1
St. Cloud .....	2.5	2.5	2.6	18.4	19.1	19.0	11.7	13.6	12.2
<b>Mississippi</b> .....	39.1	39.4	39.5	169.4	164.9	172.3	190.9	200.2	189.4
Jackson .....	14.5	14.6	14.6	44.7	44.5	45.6	37.2	39.7	36.5
<b>Missouri</b> .....	138.0	136.2	136.4	584.0	590.4	590.6	345.0	364.5	349.6
Kansas City .....	60.5	59.5	59.7	199.3	201.8	202.8	117.4	124.5	118.9
St. Louis .....	74.2	73.0	73.5	332.4	338.7	340.4	134.3	140.3	135.5
Springfield .....	5.5	5.5	5.5	33.4	34.5	34.6	13.7	15.0	14.0
<b>Montana</b> .....	14.1	14.2	14.3	80.4	81.5	82.4	63.2	72.4	64.3
<b>Nebraska</b> .....	48.9	49.1	49.0	179.7	182.6	181.5	141.4	151.5	142.2
Lincoln .....	8.7	8.7	8.7	28.6	29.6	28.7	31.9	34.8	32.6
Omaha .....	28.9	28.8	28.8	99.4	100.2	100.3	46.9	48.9	46.8
<b>Nevada</b> .....	29.3	29.8	29.5	282.9	288.6	288.9	76.0	79.8	79.3
Las Vegas .....	18.9	19.2	19.1	185.6	190.3	190.5	38.9	39.8	41.4
Reno .....	7.4	7.3	7.3	58.5	58.9	58.8	17.7	19.3	18.0
<b>New Hampshire</b> .....	31.0	30.9	31.1	130.5	129.5	130.7	62.9	70.7	62.2
Manchester .....	8.4	8.3	8.3	22.6	23.0	24.2	7.8	8.4	7.7
Nashua .....	3.7	3.6	3.6	17.5	17.6	17.3	6.2	8.3	6.7
Portsmouth-Dover-Rochester .....	7.1	7.0	7.0	22.6	22.6	22.8	22.3	23.3	21.4
<b>New Jersey</b> .....	231.0	228.0	228.5	981.8	976.3	974.5	556.8	576.0	566.9
Atlantic City .....	8.7	6.3	6.3	83.3	82.5	84.1	27.8	28.6	28.2
Bergen-Passaic .....	36.4	35.4	35.5	157.1	156.7	156.4	66.5	71.8	69.8
Camden .....	23.8	22.7	22.7	120.3	120.2	120.4	74.7	78.8	75.0
Jersey City .....	16.1	18.8	18.8	46.7	47.3	45.5	40.4	40.5	40.8
Middlesex-Somerset-Hunterdon .....	41.2	41.3	41.1	124.7	122.7	122.6	73.8	76.6	75.0
Monmouth-Ocean .....	18.8	18.7	18.8	107.1	106.0	106.5	65.1	67.1	64.8
Newark .....	69.6	67.9	67.6	260.4	256.8	256.5	133.8	134.5	134.3
Trenton .....	12.1	12.0	12.2	57.1	61.1	58.7	53.6	54.8	53.8
Vineyard-Millville-Bridgeton .....	4.4	4.2	4.2	10.9	11.2	11.2	12.5	13.1	12.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	July 1991	June 1992	July 1992 <sup>p</sup>	July 1991	June 1992	July 1992 <sup>p</sup>	July 1991	June 1992	July 1992 <sup>p</sup>
<b>New Mexico</b> .....	581.7	589.8	585.7	16.6	15.1	15.2	29.1	29.2	29.2
Albuquerque .....	247.9	248.9	248.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.7	12.9	12.9
Las Cruces .....	41.8	42.4	41.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	1.9	1.9
Santa Fe .....	64.0	64.6	64.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.3	3.0	3.0
<b>New York</b> .....	7,868.9	7,820.7	7,734.9	5.5	5.2	5.3	292.4	267.3	267.9
Albany-Schenectady-Troy .....	423.3	423.9	420.2	.4	.4	.4	18.8	17.2	17.7
Binghamton .....	114.9	114.3	111.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.2	4.6	4.7
Buffalo .....	452.0	450.1	444.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.9	17.9	18.1
Elmira .....	39.2	39.4	38.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.5	1.5
Glens Falls .....	50.7	49.4	50.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.2	2.3
Nassau-Suffolk .....	1,069.3	1,058.1	1,035.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	48.6	42.9	42.6
New York PMSA .....	3,864.1	3,779.7	3,782.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	125.3	113.1	111.7
New York City .....	3,355.2	3,277.8	3,268.4	.2	.2	.2	99.7	89.0	88.1
Niagara Falls .....	83.9	84.9	84.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.1	4.0	4.2
Orange County .....	105.6	108.1	106.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	3.3	3.5
Poughkeepsie .....	114.9	111.7	109.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.6	5.0	5.0
Rochester .....	465.1	492.4	482.8	.8	.7	.7	19.5	16.1	18.5
Rockland County .....	98.8	99.5	97.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	3.8	4.0
Syracuse .....	308.3	307.7	305.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	15.4	14.4	15.1
Utica-Rome .....	124.8	124.3	124.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.4	4.2	4.5
Westchester County .....	391.1	383.7	378.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	20.1	19.0	18.3
<b>North Carolina</b> .....	3,032.7	3,105.6	3,056.7	5.1	5.0	5.0	151.8	142.3	143.1
Asheville .....	87.4	89.9	88.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.4	4.5	4.6
Charlotte-Gastonia-Rock Hill .....	604.9	620.0	608.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	32.6	31.7	31.9
Greensboro-Winston-Salem-High Point .....	479.4	489.2	481.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	22.6	21.1	21.1
Raleigh-Durham .....	430.9	431.6	430.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	20.8	19.8	20.1
<b>North Dakota</b> .....	271.1	278.4	275.1	4.6	4.0	4.0	12.5	12.2	12.8
Bismarck .....	40.9	43.0	42.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.2	2.2
Fargo-Moorhead .....	78.3	81.7	80.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.6	4.4	4.6
Grand Forks .....	31.2	31.7	31.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.5	1.6
<b>Ohio</b> .....	4,813.2	4,823.8	4,782.5	16.6	15.7	15.9	192.3	180.6	189.3
Akron .....	279.6	278.4	278.2	.6	.7	.7	10.4	10.0	10.3
Canton .....	166.4	165.2	164.3	.7	.7	.7	7.5	6.9	7.3
Cincinnati .....	741.3	741.0	735.7	.4	.4	.4	33.5	33.0	34.3
Cleveland .....	931.5	920.2	910.5	.6	.7	.7	34.4	31.5	32.8
Columbus .....	716.1	723.5	718.8	.8	.8	.8	28.5	27.2	28.5
Dayton-Springfield .....	439.2	444.7	440.9	.5	.5	.5	15.1	14.5	15.2
Toledo .....	273.6	278.7	274.4	.2	.3	.3	11.3	10.7	11.0
Youngstown-Warren .....	195.3	194.7	192.3	.4	.4	.4	8.0	7.3	7.8
<b>Oklahoma</b> .....	1,191.5	1,201.1	1,188.6	42.9	36.2	36.7	40.8	37.7	39.0
Enid .....	21.4	22.3	21.5	1.0	1.0	1.0	.7	.7	.7
Lawton .....	34.4	36.3	35.9	.2	.2	.2	1.2	1.3	1.3
Oklahoma City .....	426.4	435.0	430.0	10.5	9.5	9.8	13.7	13.5	14.1
Tulsa .....	326.4	327.8	328.0	11.5	11.1	11.0	12.0	11.4	11.6
<b>Oregon</b> .....	1,249.7	1,282.3	1,287.5	1.7	1.6	1.6	54.7	52.2	55.7
Eugene-Springfield .....	114.4	118.0	114.9	.2	.2	.2	4.4	3.9	4.3
Medford .....	53.1	56.1	55.2	.1	.1	.1	2.0	2.1	2.2
Portland .....	639.5	652.7	650.6	.6	.6	.6	29.3	29.1	31.7
Salem .....	107.0	110.7	112.0	.1	.1	.1	5.2	4.9	5.1
<b>Pennsylvania</b> .....	5,051.2	5,051.3	5,001.1	25.6	24.7	24.2	218.7	201.6	206.6
Allentown-Bethlehem .....	281.5	281.1	277.3	.5	.5	.5	11.7	10.6	10.8
Altoona .....	53.2	53.3	52.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.1	2.3
Beaver County .....	49.5	50.6	50.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.2	2.3
Erie .....	119.3	119.4	118.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.2	4.1	4.2
Harrisburg-Lebanon-Carlisle .....	316.4	315.1	312.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.5	13.3	13.6
Johnstown .....	82.7	83.4	82.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.9	5.9	6.4
Lancaster .....	190.4	191.4	188.8	.4	.4	.4	11.8	11.0	11.3
Philadelphia PMSA .....	2,110.9	2,103.6	2,088.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	82.0	73.4	75.2
Philadelphia City .....	708.6	709.2	711.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.7	12.6	12.6
Pittsburgh .....	903.0	915.4	901.8	4.4	4.3	4.3	46.0	46.5	47.4

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		
	July 1991	June 1992	July 1992 <sup>p</sup>	July 1991	June 1992	July 1992 <sup>p</sup>	July 1991	June 1992	July 1992 <sup>p</sup>
<b>New Mexico</b> .....	41.3	40.8	40.9	28.2	28.1	27.8	140.5	140.5	140.4
Albuquerque .....	20.9	20.2	20.2	11.5	11.5	11.4	60.6	60.9	60.9
Las Cruces .....	2.8	2.9	2.9	1.4	1.3	1.3	9.1	9.1	9.1
Santa Fe .....	1.9	1.9	1.9	1.1	1.1	1.1	13.3	13.2	13.3
<b>New York</b> .....	1,053.1	1,029.0	1,017.9	416.8	406.9	396.9	1,610.0	1,576.5	1,553.6
Albany-Schenectady-Troy .....	44.9	45.5	45.3	16.9	16.9	16.5	88.7	88.2	86.5
Binghamton .....	32.5	30.6	30.2	4.2	4.3	4.3	23.9	23.5	23.4
Buffalo .....	71.3	70.1	68.8	21.6	21.9	20.8	114.1	112.9	112.0
Elmira .....	8.4	8.1	8.0	1.4	1.4	1.4	9.6	9.3	9.3
Glens Falls .....	9.6	9.6	9.4	1.8	1.9	2.0	12.1	11.5	12.1
Nassau-Suffolk .....	132.6	128.5	123.5	48.4	50.1	45.8	278.6	271.7	266.9
New York PMSA .....	374.8	364.6	359.7	246.0	234.1	229.4	669.7	639.4	627.4
New York City .....	305.6	296.3	292.2	219.9	207.5	203.6	559.4	532.8	522.4
Niagara Falls .....	21.3	21.5	21.2	4.3	4.5	4.3	20.9	21.0	20.9
Orange County .....	12.9	12.4	12.4	6.1	6.2	6.2	28.2	29.4	28.9
Poughkeepsie .....	29.2	26.7	26.4	3.7	3.5	3.4	20.8	20.4	20.2
Rochester .....	131.9	129.2	128.4	15.1	15.3	14.9	103.4	103.1	101.7
Rockland County .....	13.8	14.2	13.9	5.3	5.8	5.5	21.8	22.0	21.7
Syracuse .....	49.1	47.7	47.3	19.8	19.6	19.5	74.3	74.2	73.1
Utica-Rome .....	21.3	21.5	20.8	4.2	4.2	4.2	27.0	26.8	26.7
Westchester County .....	53.4	52.1	51.6	20.2	20.2	19.7	84.2	80.3	79.0
<b>North Carolina</b> .....	814.9	835.2	830.2	153.9	154.9	154.3	708.4	700.2	700.6
Asheville .....	18.6	16.6	16.2	4.3	4.2	4.2	21.9	21.5	21.6
Charlotte-Gastonia-Rock Hill .....	145.8	148.0	145.3	49.7	49.4	49.4	150.4	149.8	149.7
Greensboro-Winston-Salem-High Point .....	142.1	144.0	144.4	26.3	26.4	26.3	111.6	109.3	109.3
Raleigh-Durham .....	65.0	65.1	64.9	22.5	22.4	22.3	88.5	85.3	85.4
<b>North Dakota</b> .....	17.8	18.1	18.3	17.1	17.4	17.2	72.6	73.9	73.4
Bismarck .....	2.3	2.4	2.4	2.9	3.0	3.0	10.7	10.9	10.9
Fargo-Moorhead .....	6.0	6.1	6.2	4.6	4.6	4.5	23.2	24.2	24.0
Grand Forks .....	1.6	1.7	1.6	1.6	1.7	1.7	9.4	9.7	9.7
<b>Ohio</b> .....	1,064.8	1,055.7	1,053.3	212.2	206.7	207.4	1,164.8	1,149.9	1,147.5
Akron .....	63.5	62.4	62.1	13.3	13.3	13.3	68.1	67.5	67.9
Canton .....	43.7	43.2	43.1	5.3	5.1	5.2	42.2	41.8	41.8
Cincinnati .....	144.9	140.9	140.7	41.1	40.6	40.4	190.5	189.3	189.0
Cleveland .....	194.9	191.3	189.8	39.8	38.1	38.1	222.7	217.9	216.5
Columbus .....	102.6	102.4	102.0	30.9	30.3	30.5	180.5	177.7	176.8
Dayton-Springfield .....	98.2	96.0	95.5	17.4	17.5	17.6	102.2	102.6	102.7
Toledo .....	51.6	54.6	54.5	13.4	13.2	13.0	71.2	70.1	69.8
Youngstown-Warren .....	46.8	46.0	45.8	6.8	7.0	6.9	53.1	52.3	52.0
<b>Oklahoma</b> .....	167.7	165.5	164.5	70.1	68.2	68.2	285.9	287.8	285.7
Enid .....	1.6	1.6	1.6	2.3	2.2	2.2	6.0	6.2	6.2
Lawton .....	3.2	3.5	3.4	1.8	1.9	1.9	8.0	8.4	8.3
Oklahoma City .....	45.9	46.9	47.2	20.9	20.1	20.5	105.9	105.9	105.5
Tulsa .....	57.6	56.1	55.5	27.0	26.5	26.5	77.4	79.0	78.6
<b>Oregon</b> .....	217.4	214.3	219.3	64.9	64.9	64.8	319.0	319.8	320.7
Eugene-Springfield .....	19.2	18.7	18.9	4.3	4.4	4.3	30.4	29.6	29.7
Medford .....	8.2	8.9	9.0	2.9	2.7	2.7	15.5	16.0	16.0
Portland .....	105.5	104.4	105.1	38.6	38.3	38.5	167.2	168.8	169.2
Salem .....	16.0	16.1	19.7	2.9	3.0	2.9	23.5	24.2	24.3
<b>Pennsylvania</b> .....	971.5	956.2	946.9	257.7	260.9	254.7	1,159.6	1,145.5	1,141.8
Allentown-Bethlehem .....	71.3	70.2	69.8	14.2	14.0	13.6	61.9	59.5	59.4
Altoona .....	10.5	10.0	10.0	4.4	4.6	4.6	14.0	14.0	13.7
Beaver County .....	9.2	9.0	9.2	4.7	5.0	5.0	11.6	11.5	11.5
Erie .....	35.5	34.7	34.5	4.1	4.0	4.1	26.5	26.7	26.8
Harrisburg-Lebanon-Carlisle .....	48.5	47.5	47.6	18.9	19.0	18.6	70.5	70.2	70.0
Johnstown .....	14.1	14.2	14.2	5.2	5.3	4.8	19.0	18.9	19.0
Lancaster .....	55.3	55.4	55.1	7.5	7.6	7.3	49.0	48.6	48.7
Philadelphia PMSA .....	324.4	314.4	311.3	99.4	99.1	97.2	477.5	472.6	468.5
Philadelphia City .....	74.7	72.9	72.1	38.0	38.1	37.7	125.3	122.6	121.1
Pittsburgh .....	116.1	113.6	113.4	54.2	55.5	54.7	220.8	219.1	218.8

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		
	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>
<b>New Mexico</b> .....	26.4	26.5	26.7	154.6	158.0	158.1	145.0	151.6	147.4
Albuquerque .....	14.0	14.3	14.2	76.8	79.6	79.3	49.4	49.5	49.6
Las Cruces .....	1.7	1.7	1.7	8.5	8.5	8.4	16.2	17.0	16.3
Santa Fe .....	2.5	2.6	2.7	17.8	18.5	18.4	24.1	24.3	24.1
<b>New York</b> .....	761.8	746.0	742.9	2,328.2	2,342.5	2,325.5	1,401.0	1,447.3	1,424.9
Albany-Schenectady-Troy .....	26.2	26.2	26.9	118.9	117.0	118.5	108.5	112.5	108.5
Binghamton .....	4.2	4.2	4.2	26.6	26.4	26.3	18.3	20.8	18.6
Buffalo .....	27.6	26.4	26.5	125.0	126.5	124.8	73.5	74.4	73.5
Elmira .....	1.4	1.4	1.4	10.2	10.5	10.5	6.5	7.1	6.6
Glens Falls .....	1.6	1.6	1.6	14.2	13.0	14.6	8.7	9.6	8.8
Nassau-Suffolk .....	81.1	79.0	78.5	309.1	310.1	308.9	170.8	177.8	168.9
New York PMSA .....	534.0	520.4	518.8	1,245.3	1,244.9	1,225.6	669.0	663.2	689.7
New York City .....	499.6	486.8	485.2	1,084.8	1,085.6	1,067.6	586.0	579.8	609.1
Niagara Falls .....	2.0	2.0	2.0	18.1	18.2	18.2	13.2	13.6	13.5
Orange County .....	5.6	5.5	5.6	25.3	25.5	25.5	23.8	25.8	24.2
Poughkeepsie .....	4.8	4.3	4.4	29.9	28.3	28.3	21.1	23.5	21.8
Rochester .....	24.4	24.2	24.3	126.5	130.4	129.1	63.6	71.4	65.1
Rockland County .....	4.9	4.8	4.8	28.8	28.1	27.8	20.3	20.9	19.6
Syracuse .....	21.0	20.9	20.7	76.6	76.4	76.2	51.9	54.6	53.0
Utica-Rome .....	7.8	7.9	7.8	29.4	29.4	29.9	30.6	30.3	30.6
Westchester County .....	28.7	27.9	28.0	125.8	125.7	124.4	58.8	58.4	57.2
<b>North Carolina</b> .....	136.7	137.8	138.6	606.7	620.0	624.4	455.2	510.4	460.5
Asheville .....	3.0	3.0	3.0	23.6	23.8	24.5	11.6	14.3	12.5
Charlotte-Gastonia-Rock Hill .....	40.2	39.8	39.9	123.0	126.8	127.0	63.2	74.5	65.2
Greensboro-Winston-Salem-High Point .....	24.2	24.3	24.4	105.4	107.8	108.0	47.2	56.3	47.8
Raleigh-Durham .....	23.8	23.2	23.3	117.8	120.2	121.4	92.5	95.6	93.0
<b>North Dakota</b> .....	12.9	13.1	13.0	71.0	73.9	73.6	62.6	65.8	62.8
Bismarck .....	1.7	1.8	1.8	12.4	13.0	13.0	8.7	9.7	9.0
Fargo-Moorhead .....	5.0	5.0	5.1	21.8	22.6	22.7	13.1	14.8	13.4
Grand Forks .....	1.1	1.2	1.2	7.4	7.7	7.7	8.6	8.2	8.0
<b>Ohio</b> .....	261.1	259.3	260.4	1,217.6	1,226.5	1,225.0	683.8	729.3	683.6
Akron .....	11.2	11.1	11.2	73.6	74.6	73.9	39.0	38.7	38.7
Canton .....	7.1	6.7	6.6	41.6	41.9	41.9	18.2	18.8	17.7
Cincinnati .....	44.3	43.8	43.6	197.3	197.5	197.4	89.3	95.5	89.8
Cleveland .....	60.5	60.2	60.7	261.1	260.4	259.7	117.5	120.2	112.3
Columbus .....	62.0	61.7	61.9	186.2	186.8	187.7	124.6	136.6	128.6
Dayton-Springfield .....	17.8	17.8	17.9	116.3	118.8	118.3	71.8	77.1	73.1
Toledo .....	12.1	11.3	11.4	75.8	75.1	75.0	38.2	43.5	39.4
Youngstown-Warren .....	9.2	9.1	9.1	48.9	48.4	48.8	22.0	24.3	21.5
<b>Oklahoma</b> .....	61.4	61.1	61.2	272.1	278.6	278.6	250.6	266.0	254.7
Enid .....	1.0	.9	.9	5.5	5.7	5.8	3.3	4.0	3.1
Lawton .....	1.9	2.0	2.0	7.3	7.4	7.6	10.8	11.6	11.2
Oklahoma City .....	25.5	25.0	25.4	108.7	112.5	111.5	95.3	101.6	96.0
Tulsa .....	17.6	17.9	18.0	84.6	86.7	86.5	38.7	39.1	38.1
<b>Oregon</b> .....	84.6	86.7	87.7	297.6	305.6	304.7	209.8	237.2	213.0
Eugene-Springfield .....	6.2	6.2	6.2	27.8	29.1	29.1	21.9	25.9	22.2
Medford .....	2.6	2.6	2.6	13.1	13.5	13.6	8.7	10.2	9.0
Portland .....	53.6	54.4	55.0	163.6	166.5	167.4	81.1	90.6	83.1
Salem .....	6.2	6.2	6.2	23.2	23.8	23.8	29.9	32.4	29.9
<b>Pennsylvania</b> .....	304.6	304.4	304.8	1,455.8	1,464.6	1,459.6	657.7	693.4	662.5
Allentown-Bethlehem .....	14.7	13.9	14.0	77.3	79.4	78.9	29.9	33.0	30.3
Altoona .....	2.1	2.0	2.0	12.9	12.8	12.9	7.0	7.8	7.2
Beaver County .....	1.6	1.6	1.7	12.7	13.0	13.1	7.2	8.3	7.8
Erie .....	5.8	5.9	5.8	30.8	31.2	31.1	12.4	12.8	12.1
Harrisburg-Lebanon-Carlisle .....	23.2	23.6	23.6	74.1	74.7	74.7	66.7	66.8	64.7
Johnstown .....	4.6	4.5	4.5	21.4	21.2	21.1	12.5	13.4	12.6
Lancaster .....	8.8	8.6	8.6	42.6	42.8	42.4	15.0	17.0	15.0
Philadelphia PMSA .....	157.4	157.9	158.1	679.4	682.2	677.7	290.8	303.8	300.5
Philadelphia City .....	61.4	61.3	61.6	257.0	261.7	258.6	138.5	140.0	147.0
Pittsburgh .....	55.7	56.1	56.4	311.8	316.5	313.0	94.0	103.8	93.8

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	147.9	150.6	147.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.2	6.6	6.9
Scranton—Wilkes—Barre .....	299.9	296.9	296.3	0.7	0.7	0.7	12.6	12.5	12.6
Sharon .....	43.0	43.0	42.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.5	1.6
State College .....	57.9	58.3	58.4	.2	.1	.1	2.7	2.7	2.6
Williamsport .....	49.9	50.8	50.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.3	2.3
York .....	176.6	176.9	174.8	.5	.5	.5	9.5	8.2	8.5
<b>Rhode Island</b> .....	418.2	418.0	411.6	.1	.2	.2	14.1	12.1	12.2
Pawtucket—Woonsocket—Attleboro .....	115.7	120.1	116.5	.2	.3	.3	3.5	3.6	3.8
Providence .....	297.7	295.7	291.6	.1	.1	.1	10.4	8.8	8.9
<b>South Carolina</b> .....	1,506.4	1,502.0	1,480.7	1.9	1.7	1.8	89.2	78.5	79.2
Charleston .....	206.2	206.9	205.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.9	12.8	12.8
Columbia .....	238.4	241.2	236.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.0	11.8	12.0
Greenville—Spartanburg .....	324.1	327.5	322.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	23.4	21.6	21.9
<b>South Dakota</b> .....	300.5	310.3	305.7	2.8	2.8	2.8	13.8	13.7	14.3
Rapid City .....	41.7	42.6	42.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	2.9	2.9
Sioux Falls .....	78.9	81.7	82.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.4	4.2	4.5
<b>Tennessee</b> .....	2,167.6	2,184.0	2,177.6	5.6	5.3	5.3	91.3	86.2	86.1
Chattanooga .....	198.6	201.7	201.4	.7	.7	.7	6.7	6.5	6.6
Johnson City—Kingsport—Bristol .....	175.0	178.1	176.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.0	9.7	9.5
Knoxville .....	273.5	276.7	273.2	1.3	1.4	1.4	11.7	11.6	11.9
Memphis .....	469.6	468.6	469.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	19.2	18.7	18.6
Nashville .....	490.6	493.8	490.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	21.3	19.5	19.7
<b>Texas</b> .....	7,156.4	7,264.4	7,226.6	188.1	173.7	174.0	353.9	355.4	357.2
Abilene .....	47.5	49.0	48.6	1.4	1.3	1.4	1.5	1.8	1.8
Amarillo .....	79.2	80.3	80.6	.8	.7	.7	3.3	2.8	3.0
Austin .....	382.2	395.8	388.8	.8	.8	.8	13.1	13.7	13.6
Beaumont—Port Arthur .....	149.2	154.5	153.8	2.0	2.0	2.0	16.3	17.6	17.4
Brazoria .....	71.5	73.9	73.0	2.2	2.0	2.0	12.0	12.8	12.6
Brownsville—Harlingen .....	78.5	80.6	80.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.3	2.3
Bryan—College Station .....	53.3	53.5	55.4	.6	.6	.6	1.9	1.9	1.9
Corpus Christi .....	137.1	136.8	137.1	3.9	3.6	3.6	11.7	11.2	11.3
Dallas .....	1,374.1	1,380.5	1,371.8	18.6	18.2	18.3	46.4	44.7	44.7
El Paso .....	208.0	212.3	212.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.3	8.1	8.2
Ft. Worth—Arlington .....	588.2	592.9	592.7	4.4	4.4	4.3	22.3	20.5	20.9
Galveston—Texas City .....	79.4	80.4	79.6	.7	.7	.7	4.5	4.4	4.3
Houston .....	1,646.4	1,642.1	1,638.6	72.3	66.5	67.2	115.5	115.5	116.3
Killeen—Temple .....	74.7	76.8	77.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.6	2.6
Laredo .....	47.1	49.2	49.3	1.9	1.9	1.9	1.5	1.6	1.6
Longview—Marshall .....	70.4	71.3	70.8	3.6	3.4	3.3	3.4	3.7	3.8
Lubbock .....	96.6	98.1	98.1	.2	.2	.2	3.6	3.9	3.8
McAllen—Edinburg—Mission .....	101.1	105.6	105.1	.8	.8	.8	4.3	4.5	4.5
Midland .....	46.4	46.0	45.9	9.6	9.5	9.5	1.5	1.4	1.5
Odessa .....	45.5	44.6	44.3	5.5	4.9	4.9	2.6	2.8	2.8
San Angelo .....	37.2	38.2	38.2	.6	.5	.5	1.1	1.1	1.1
San Antonio .....	523.1	536.1	531.5	1.9	1.8	1.8	22.7	22.3	22.5
Sherman—Denison .....	37.6	36.6	36.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.4	1.4
Texarkana .....	46.0	47.2	47.1	.1	.1	.1	1.6	1.5	1.5
Tyler .....	63.8	64.4	64.1	1.7	1.7	1.7	2.3	2.2	2.3
Victoria .....	30.1	30.1	30.1	1.7	1.4	1.4	2.1	2.1	2.1
Waco .....	81.1	82.2	81.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.2	3.2	3.3
Wichita Falls .....	49.3	50.1	49.6	1.4	1.4	1.4	1.4	1.4	1.4

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	July 1991	June 1992	July 1992 <sup>a</sup>	July 1991	June 1992	July 1992 <sup>a</sup>	July 1991	June 1992	July 1992 <sup>a</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	42.7	44.4	43.8	6.3	6.6	6.3	34.0	33.0	32.9
Scranton-Wilkes-Barre .....	66.1	65.2	64.4	15.9	16.0	15.5	73.2	70.2	70.0
Sharon .....	11.3	11.0	11.1	2.2	2.2	2.2	10.7	10.3	10.3
State College .....	8.6	8.6	8.8	1.5	1.6	1.6	12.1	12.2	12.3
Williamsport .....	14.6	14.7	14.6	1.8	1.8	1.8	11.8	11.8	11.8
York .....	55.0	54.4	54.1	8.0	8.2	7.8	46.7	47.3	46.8
<b>Rhode Island</b> .....	88.2	86.8	83.8	14.6	14.6	14.7	90.5	88.2	88.0
Pawtucket-Woonsocket-Attleboro .....	40.2	41.4	39.7	3.4	3.5	3.4	29.3	29.6	29.0
Providence .....	56.8	54.8	53.2	11.1	10.9	11.0	60.5	58.7	58.4
<b>South Carolina</b> .....	366.4	366.2	361.6	65.3	64.5	64.0	347.9	338.6	336.8
Charleston .....	20.9	20.5	20.4	11.1	10.7	10.6	51.4	50.1	50.1
Columbia .....	26.6	26.0	26.1	11.2	10.7	10.7	54.7	55.3	55.3
Greenville-Spartanburg .....	94.6	93.7	93.2	14.4	14.0	13.9	77.4	78.7	78.8
<b>South Dakota</b> .....	35.5	37.4	37.7	13.6	13.7	13.7	81.4	81.8	81.9
Rapid City .....	4.2	4.5	4.6	1.8	2.0	1.9	12.2	12.7	12.8
Sioux Falls .....	9.8	10.0	10.2	5.1	5.2	5.2	22.3	23.0	22.9
<b>Tennessee</b> .....	497.2	504.4	500.3	115.6	114.6	115.2	511.5	515.9	517.1
Chattanooga .....	43.7	43.9	43.3	8.5	8.5	8.6	47.7	49.4	49.5
Johnson City-Kingsport-Bristol .....	55.0	54.0	54.2	6.3	6.4	6.5	39.3	40.0	40.1
Knoxville .....	50.6	50.8	50.1	10.4	10.3	10.4	73.0	72.3	72.1
Memphis .....	60.0	59.3	60.3	47.2	47.2	47.4	123.7	122.6	123.1
Nashville .....	86.0	88.6	87.5	28.6	28.6	28.6	121.1	122.6	122.8
<b>Texas</b> .....	991.2	990.5	991.5	437.9	437.2	439.3	1,744.8	1,753.0	1,752.5
Abilene .....	4.2	4.4	4.3	2.6	2.7	2.8	12.7	13.1	13.1
Amarillo .....	8.4	8.9	8.8	5.4	5.7	5.6	23.3	23.4	23.3
Austin .....	51.7	51.8	51.9	12.6	13.1	13.3	78.6	79.2	79.1
Beaumont-Port Arthur .....	25.6	25.7	25.9	9.9	10.0	10.0	33.0	33.5	33.9
Brazoria .....	17.4	17.6	17.5	2.8	2.7	2.7	12.9	13.2	13.0
Brownsville-Harlingen .....	11.6	11.8	12.1	3.6	3.8	4.0	21.5	22.2	22.1
Bryan-College Station .....	3.8	4.1	4.2	1.4	1.4	1.5	11.6	11.6	11.9
Corpus Christi .....	12.9	13.1	13.1	7.1	6.9	7.0	32.7	32.4	32.6
Dallas .....	214.9	209.8	209.2	84.7	86.2	86.2	354.1	359.2	357.7
El Paso .....	40.6	41.7	42.4	10.7	10.9	11.0	52.4	53.0	53.0
Ft. Worth-Arlington .....	106.9	103.5	102.9	57.8	59.5	61.3	150.0	147.9	148.5
Galveston-Texas City .....	8.7	8.7	8.7	5.9	5.4	5.5	16.9	17.1	17.0
Houston .....	184.0	180.9	180.1	116.3	110.7	111.1	385.0	384.4	384.2
Killeen-Temple .....	8.3	8.5	8.5	2.6	2.7	2.7	16.6	16.9	16.9
Laredo .....	1.8	1.7	1.7	7.0	7.5	7.5	14.6	15.3	15.3
Longview-Marshall .....	16.2	16.3	16.2	3.5	3.5	3.5	17.8	17.6	17.4
Lubbock .....	7.1	7.0	7.0	5.2	5.2	5.2	27.6	27.0	27.1
McAllen-Edinburg-Mission .....	12.8	13.7	13.6	2.9	3.2	3.1	31.2	32.2	32.3
Midland .....	2.3	2.3	2.3	2.5	2.3	2.3	10.9	10.9	11.0
Odessa .....	4.6	4.4	4.3	2.3	2.3	2.4	12.7	12.3	12.4
San Angelo .....	5.0	4.9	5.0	2.8	2.8	2.8	9.1	9.3	9.4
San Antonio .....	46.0	46.8	46.6	22.8	23.6	24.0	131.8	130.8	131.1
Sherman-Denison .....	11.0	9.9	9.9	1.7	1.8	1.8	7.8	7.7	7.6
Texarkana .....	6.4	6.1	6.2	2.2	2.2	2.2	11.0	11.3	11.3
Tyler .....	10.9	11.3	11.3	2.9	3.0	3.0	15.9	16.5	16.4
Victoria .....	2.9	2.8	2.8	1.5	1.5	1.5	8.4	8.3	8.6
Waco .....	15.1	14.7	14.9	3.4	3.4	3.4	19.2	19.5	19.1
Wichita Falls .....	7.9	8.0	7.8	2.7	2.7	2.7	11.6	11.8	11.8

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		
	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>
<b>Pennsylvania-Continued</b>									
Reading .....	8.8	9.1	9.1	33.7	33.9	33.3	15.2	17.0	15.2
Scranton-Wilkes-Barre .....	13.9	13.6	13.6	78.7	78.9	80.6	38.8	39.8	38.9
Sharon .....	1.5	1.6	1.6	11.0	11.2	11.0	4.8	5.2	4.7
State College .....	2.1	2.1	2.1	10.7	10.6	10.7	20.0	20.4	20.2
Williamsport .....	2.4	2.4	2.4	11.1	11.2	11.3	6.0	6.6	6.3
York .....	5.5	5.5	5.5	33.9	34.2	34.3	17.5	18.6	17.3
<b>Rhode Island</b>									
Pawtucket-Woonsocket-Attleboro .....	26.6	25.1	25.1	126.7	129.3	129.3	57.4	61.7	58.3
Providence .....	3.6	3.3	3.3	25.3	26.9	26.6	10.2	11.5	10.4
	21.7	20.4	20.4	94.7	96.2	96.1	42.4	45.8	43.5
<b>South Carolina</b>									
Charleston .....	67.3	65.8	66.1	303.1	305.1	304.6	265.3	281.6	266.6
Columbia .....	7.7	7.5	7.5	48.5	50.0	50.2	52.7	55.3	53.9
Greenville-Spartanburg .....	20.0	19.9	19.9	50.7	52.3	51.8	62.2	65.2	60.5
	12.5	12.6	12.6	63.5	64.0	62.6	38.3	42.9	39.1
<b>South Dakota</b>									
Rapid City .....	16.9	16.9	16.9	77.7	78.3	78.0	58.8	65.7	60.4
Sioux Falls .....	1.7	1.6	1.6	12.3	11.8	11.8	6.7	7.1	6.9
	8.2	8.3	8.2	21.8	22.6	22.8	7.3	8.4	8.3
<b>Tennessee</b>									
Chattanooga .....	104.6	104.1	104.0	508.9	518.4	517.8	332.9	335.1	331.8
Johnson City-Kingsport-Bristol .....	13.4	13.4	13.4	44.1	45.1	45.6	33.8	34.2	33.7
Knoxville .....	5.7	5.7	5.6	36.5	37.4	37.4	23.2	24.9	23.1
Memphis .....	9.9	9.6	9.4	66.9	67.2	66.7	49.7	53.5	51.2
Nashville .....	25.1	25.5	25.5	122.8	123.1	123.3	71.6	72.2	71.6
	30.9	30.9	30.8	137.4	139.4	139.4	65.3	64.2	61.8
<b>Texas</b>									
Abilene .....	430.2	432.0	432.4	1,791.1	1,833.6	1,840.4	1,219.2	1,289.0	1,239.3
Amarillo .....	2.0	2.0	1.9	14.4	14.6	14.6	8.7	9.1	8.7
Austin .....	4.2	4.3	4.3	19.5	19.5	19.6	14.3	15.0	15.1
Beaumont-Port Arthur .....	23.4	23.3	23.3	101.1	103.8	103.2	100.7	110.1	103.6
Brazoria .....	5.0	5.1	5.1	36.8	38.5	38.6	20.6	22.1	20.9
Brownsville-Harlingen .....	1.9	1.9	1.9	10.8	11.4	11.2	11.5	12.3	12.1
Bryan-College Station .....	3.7	3.7	3.9	19.1	19.4	19.5	16.8	17.4	16.8
Corpus Christi .....	1.7	1.8	1.8	10.7	11.0	11.0	21.6	21.1	22.5
Dallas .....	6.2	5.9	6.0	33.0	33.9	33.8	29.6	29.8	29.7
El Paso .....	128.3	125.0	124.9	369.7	371.6	371.5	157.4	165.8	159.3
Ft. Worth-Arlington .....	8.0	8.1	8.1	44.9	45.9	45.9	44.1	44.6	43.9
Galveston-Texas City .....	28.7	27.7	27.5	144.6	149.8	150.5	73.5	79.6	76.8
Houston .....	5.5	5.5	5.5	15.3	15.0	15.2	21.9	23.6	22.7
Killeen-Temple .....	101.6	99.0	99.2	467.6	468.7	469.5	204.1	216.4	211.0
Laredo .....	3.3	3.2	3.4	19.0	19.1	19.4	22.5	23.8	23.7
Longview-Marshall .....	1.9	2.0	2.1	7.9	8.5	8.4	10.5	10.7	10.8
Lubbock .....	2.6	2.6	2.6	14.5	14.9	14.9	8.8	9.3	9.1
McAllen-Edinburg-Mission .....	4.8	4.8	4.8	25.5	26.6	26.3	22.6	23.4	23.7
Midland .....	3.7	3.7	3.7	18.4	19.3	19.2	27.0	28.2	27.9
Odessa .....	2.3	2.1	2.1	10.2	10.2	10.1	7.1	7.3	7.1
San Angelo .....	1.4	1.3	1.3	8.9	8.8	8.7	7.5	7.8	7.5
San Antonio .....	1.5	1.6	1.6	9.9	10.5	10.4	7.2	7.5	7.4
Sherman-Denison .....	38.6	38.5	38.6	145.9	151.3	152.4	113.4	120.8	114.5
Texarkana .....	2.0	2.0	2.0	9.2	9.4	9.4	4.3	4.4	4.2
Tyler .....	1.8	1.8	1.8	11.5	12.3	12.4	11.4	11.9	11.6
Victoria .....	3.3	3.2	3.2	17.0	16.6	16.6	9.8	9.9	9.6
Waco .....	1.7	1.6	1.6	7.0	7.3	7.4	4.8	5.1	4.7
Wichita Falls .....	5.3	5.4	5.3	22.1	22.8	22.7	12.8	13.2	12.7
	2.2	2.2	2.2	12.5	12.8	12.9	9.6	9.8	9.4

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		
	July 1991	June 1992	July 1992 <sup>a</sup>	July 1991	June 1992	July 1992 <sup>a</sup>	July 1991	June 1992	July 1992 <sup>a</sup>
<b>Utah</b> .....	739.9	769.9	759.4	8.7	8.4	8.3	34.5	35.3	36.1
Provo-Orem .....	96.7	100.6	99.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	5.5	5.6
Salt Lake City-Ogden .....	505.3	524.0	518.6	3.0	3.2	3.2	23.1	24.0	24.5
<b>Vermont</b> .....	246.7	245.5	243.1	.5	.5	.5	13.7	10.1	10.8
Barre-Montpelier .....	32.1	32.8	31.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	1.6	1.5
Burlington .....	77.2	75.6	74.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.1	3.0	3.2
<b>Virginia</b> .....	2,823.3	2,843.2	2,805.6	14.3	14.0	13.9	159.0	146.5	148.5
Bristol .....	32.5	34.2	33.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.3	1.3
Charlottesville .....	67.0	68.0	66.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	3.6	3.6
Danville .....	39.6	40.7	39.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	1.9	1.9
Lynchburg .....	75.9	75.7	74.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	3.1	3.2
Norfolk-Virginia Beach-Newport News .....	586.3	592.2	586.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	32.1	30.5	30.7
Northern Virginia .....	761.9	761.5	752.7	.5	.4	.4	41.1	36.2	36.5
Richmond-Petersburg .....	465.0	461.6	454.6	.7	.7	.7	28.9	26.1	25.9
Roanoke .....	125.3	127.1	126.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.4	7.5	7.6
<b>Washington</b> .....	2,175.4	2,209.0	2,180.9	4.0	3.8	3.8	124.0	119.5	122.5
Seattle .....	1,114.7	1,111.9	1,100.5	.8	.7	.6	61.8	60.2	61.1
<b>West Virginia</b> .....	635.3	640.0	647.1	33.5	32.0	32.2	28.4	30.0	31.1
Charleston .....	113.6	113.7	114.2	2.4	2.0	2.1	5.3	5.4	5.8
Huntington-Ashland .....	109.6	110.8	110.2	1.6	1.7	1.7	4.6	4.9	4.9
Parkersburg-Marietta .....	61.9	62.5	63.3	.4	.4	.4	3.1	2.7	2.7
Wheeling .....	60.7	60.2	60.9	2.2	1.9	2.1	2.1	1.9	2.0
<b>Wisconsin</b> .....	2,297.9	2,354.9	2,332.2	2.5	2.5	2.5	91.0	92.3	93.1
Appleton-Oshkosh-Neenah .....	164.6	169.8	170.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.0	8.9	9.0
Eau Claire .....	57.6	60.3	58.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.5	2.5
Green Bay .....	108.5	112.0	110.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.2	5.6	5.8
Janesville-Beloit .....	57.3	59.4	58.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	1.5	1.5
Kenosha .....	42.8	45.5	44.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	2.5	2.5
La Crosse .....	53.5	56.1	55.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.2	1.2
Madison .....	223.6	230.1	229.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.4	9.5	9.7
Milwaukee .....	743.7	758.2	752.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	26.5	26.8	26.9
Racine .....	74.0	75.6	74.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.2	2.2
Sheboygan .....	53.4	54.9	55.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.2	2.5
Wausau .....	54.0	55.0	54.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.7	2.0	2.0
<b>Wyoming</b> .....	206.7	214.7	208.4	19.2	18.5	18.8	13.9	14.1	14.1
Casper .....	29.2	29.7	29.0	2.5	2.5	2.5	2.4	2.2	2.3
<b>Puerto Rico</b> .....	645.9	663.5	661.5	.9	.8	.9	45.3	45.3	46.2
Caguas .....	55.7	57.1	57.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.4	1.5
Mayaguez .....	59.8	60.6	60.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.6	2.5
Ponce .....	55.1	55.9	56.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.1	3.5	3.6
San Juan .....	510.7	523.5	522.6	.4	.4	.4	33.2	33.7	34.3
<b>Virgin Islands</b> .....	43.3	42.0	41.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.3	2.4

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		
	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>
<b>Utah</b> .....	104.8	104.8	104.8	42.8	43.5	43.4	178.5	185.0	183.6
Provo-Orem .....	14.0	13.7	13.9	2.4	2.2	2.2	23.0	23.8	23.5
Salt Lake City-Ogden .....	67.7	67.4	67.3	33.3	34.1	34.4	124.2	129.3	128.3
<b>Vermont</b> .....	43.8	43.3	42.2	10.9	11.0	10.9	58.5	58.1	58.2
Barre-Montpelier .....	4.2	4.3	4.2	1.1	1.1	1.1	6.9	7.2	7.3
Burlington .....	15.0	14.6	14.0	3.5	3.3	3.4	19.0	18.0	17.7
<b>Virginia</b> .....	410.5	405.8	403.2	148.9	146.3	146.5	640.1	637.3	635.7
Bristol .....	9.8	10.4	10.4	1.2	1.2	1.2	8.7	8.9	8.9
Charlottesville .....	8.1	8.0	7.8	2.4	2.3	2.3	14.4	14.2	13.9
Danville .....	14.5	14.6	14.8	1.0	1.0	1.0	8.6	8.6	8.7
Lynchburg .....	23.0	22.3	22.3	2.6	2.5	2.5	16.2	16.3	16.2
Norfolk-Virginia Beach-Newport News .....	66.8	63.0	62.7	28.7	28.8	28.9	141.3	140.8	140.6
Northern Virginia .....	34.4	32.6	32.5	50.5	49.2	49.3	170.9	167.4	166.3
Richmond-Petersburg .....	64.1	62.6	62.0	23.6	23.2	23.0	106.7	104.3	103.6
Roanoke .....	18.4	18.1	18.4	8.2	8.2	8.1	34.9	34.9	35.0
<b>Washington</b> .....	353.0	346.0	345.2	113.9	113.9	114.5	531.8	530.9	531.5
Seattle .....	217.2	210.7	210.9	69.9	67.5	67.9	263.9	258.4	259.3
<b>West Virginia</b> .....	83.6	82.8	83.3	38.1	38.4	38.2	144.6	146.6	146.6
Charleston .....	10.6	10.5	10.6	8.9	8.8	8.7	28.4	28.6	28.5
Huntington-Ashland .....	19.7	19.9	19.8	8.0	7.2	7.2	28.0	27.6	27.7
Parkersburg-Marietta .....	14.1	13.8	13.8	2.7	2.6	2.7	14.8	15.0	15.4
Wheeling .....	7.2	6.9	6.9	3.3	3.3	3.9	15.6	15.6	15.3
<b>Wisconsin</b> .....	555.8	555.8	561.1	105.7	108.5	104.4	546.4	544.7	543.5
Appleton-Oshkosh-Neenah .....	56.4	56.2	57.6	6.3	6.4	6.4	34.4	34.2	33.9
Eau Claire .....	10.5	10.4	10.0	3.2	3.2	3.1	15.3	16.2	16.1
Green Bay .....	25.1	25.3	25.7	7.9	8.3	8.4	26.8	26.8	26.5
Janesville-Beloit .....	16.8	17.9	17.9	2.2	2.4	2.4	14.1	14.2	14.1
Kenosha .....	9.4	9.7	9.3	1.5	1.4	1.4	11.9	12.4	12.5
La Crosse .....	9.7	10.0	10.1	2.6	2.5	2.5	15.4	16.0	15.8
Madison .....	26.0	25.5	25.7	7.5	7.6	7.5	48.9	49.6	49.5
Milwaukee .....	166.2	166.3	168.0	36.3	37.6	36.2	173.8	172.9	172.3
Racine .....	24.0	24.9	24.4	2.6	2.5	2.6	16.6	16.5	16.3
Sheboygan .....	22.1	22.3	22.5	1.6	1.6	1.5	10.1	10.1	10.2
Wausau .....	15.5	16.4	16.4	3.4	3.5	3.4	12.7	12.4	12.4
<b>Wyoming</b> .....	9.5	9.2	9.2	14.9	14.4	14.5	48.5	48.7	49.1
Casper .....	1.8	1.7	1.7	1.7	1.7	1.7	8.0	8.0	7.9
<b>Puerto Rico</b> .....	150.7	150.4	148.5	20.0	19.6	19.5	151.2	156.0	155.7
Caguas .....	15.8	15.5	15.4	.4	.4	.4	11.2	12.0	12.0
Mayaguez .....	18.2	17.5	17.3	.6	.6	.6	9.1	9.5	9.4
Ponce .....	9.8	10.6	10.3	1.5	1.5	1.5	8.5	9.3	9.4
San Juan .....	62.8	63.1	62.8	15.7	16.0	15.9	103.1	105.5	105.7
<b>Virgin Islands</b> .....	2.7	2.8	2.8	2.6	2.7	2.6	9.9	9.3	9.3

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	Finance, insurance, and real estate			Services			Government		
	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>
<b>Utah</b> .....	36.2	38.0	37.9	189.0	195.6	196.4	145.4	159.3	148.9
Provo-Orem .....	2.4	2.6	2.6	36.1	37.3	37.5	13.9	15.5	14.2
Salt Lake City-Ogden .....	30.2	31.3	31.4	127.3	131.4	131.1	96.5	103.3	98.4
<b>Vermont</b> .....	12.3	11.8	11.8	69.7	68.1	71.4	37.3	42.6	37.3
Barre-Montpelier .....	2.8	2.6	2.6	8.3	8.1	8.3	6.8	7.9	6.6
Burlington .....	4.1	3.7	3.7	20.8	21.2	21.9	10.7	11.8	10.6
<b>Virginia</b> .....	155.1	154.8	153.7	738.5	750.3	742.2	556.9	588.2	561.9
Bristol .....	1.1	1.1	1.1	5.4	5.6	5.4	5.0	5.7	5.1
Charlottesville .....	3.7	3.5	3.4	14.7	15.2	14.9	19.9	21.2	20.8
Danville .....	1.4	1.4	1.4	7.2	7.3	7.1	4.9	5.9	4.8
Lynchburg .....	3.6	3.7	3.7	16.8	17.4	16.7	10.0	10.4	10.3
Norfolk-Virginia Beach-Newport News .....	27.0	27.5	27.4	157.1	161.9	161.1	133.3	139.7	134.8
Northern Virginia .....	50.4	50.2	49.9	283.1	288.4	285.6	151.0	157.1	152.2
Richmond-Petersburg .....	39.6	38.7	38.3	109.9	109.4	108.2	91.5	96.6	92.9
Roanoke .....	8.9	8.4	8.4	32.3	33.8	33.6	15.2	16.2	15.4
<b>Washington</b> .....	117.9	115.5	116.3	537.0	551.4	549.9	393.8	428.0	397.2
Seattle .....	72.7	71.0	71.5	281.2	284.8	283.9	147.4	158.6	145.3
<b>West Virginia</b> .....	25.2	25.3	25.4	151.7	156.9	156.3	130.2	128.0	134.0
Charleston .....	6.5	6.5	6.5	31.0	31.7	31.4	20.5	20.2	20.6
Huntington-Ashland .....	3.9	3.9	3.9	25.9	28.8	26.9	17.7	18.8	18.1
Parkersburg-Marietta .....	2.3	2.4	2.4	14.7	15.2	15.3	9.8	10.4	10.6
Wheeling .....	3.1	3.2	3.2	17.5	17.9	17.9	9.7	9.5	9.6
<b>Wisconsin</b> .....	125.7	127.3	127.5	548.6	569.6	569.2	322.2	354.2	330.9
Appleton-Oshkosh-Neenah .....	7.8	8.2	8.3	35.3	37.6	37.9	16.3	18.3	17.1
Eau Claire .....	1.9	1.9	1.9	14.2	15.4	15.1	10.2	10.7	10.2
Green Bay .....	6.4	6.8	7.0	26.1	26.4	26.0	11.1	13.0	11.3
Janesville-Beloit .....	1.7	1.8	1.5	13.5	14.4	13.9	7.0	7.4	7.0
Kenosha .....	1.5	1.5	1.5	10.7	11.2	11.3	5.8	6.8	6.3
La Crosse .....	1.9	2.0	2.0	15.2	15.8	15.7	7.2	8.6	8.4
Madison .....	21.1	21.5	21.6	50.4	52.4	52.3	60.6	63.9	63.1
Milwaukee .....	52.1	52.4	52.4	208.1	213.6	215.5	80.7	88.6	80.8
Racine .....	2.3	2.3	2.3	17.4	17.8	17.7	8.7	9.3	8.9
Sheboygan .....	2.1	2.2	2.1	9.6	10.5	10.3	5.4	6.1	6.2
Wausau .....	3.9	3.8	3.8	10.2	10.3	10.4	5.7	6.5	5.9
<b>Wyoming</b> .....	7.3	7.4	7.4	44.8	45.0	46.1	48.6	57.4	49.2
Casper .....	1.2	1.1	1.2	6.8	6.9	6.9	4.8	5.6	4.8
<b>Puerto Rico</b> .....	36.9	36.4	36.2	132.8	140.9	140.3	308.2	314.1	314.4
Caguas .....	1.3	1.1	1.1	8.2	9.4	9.5	17.0	17.2	17.1
Mayaguez .....	1.4	1.4	1.4	7.1	8.2	8.4	21.0	20.8	20.6
Ponce .....	1.7	1.7	1.7	11.7	12.3	12.4	17.8	18.0	18.0
San Juan .....	29.2	29.0	28.8	92.7	98.6	96.7	173.6	177.2	177.9
<b>Virgin Islands</b> .....	2.2	2.2	2.2	9.2	9.0	8.8	14.2	13.7	13.7

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

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1991 benchmarks.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Total private <sup>1</sup>			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964 .....	38.7	\$2.36	\$91.33	41.9	\$2.81	\$117.74	37.2	\$3.55	\$132.06
1965 .....	38.8	2.46	95.45	42.3	2.92	123.52	37.4	3.70	138.38
1966 .....	38.6	2.56	98.82	42.7	3.05	130.24	37.6	3.89	146.26
1967 .....	38.0	2.68	101.84	42.6	3.19	135.89	37.7	4.11	154.95
1968 .....	37.8	2.85	107.73	42.6	3.35	142.71	37.3	4.41	164.49
1969 .....	37.7	3.04	114.61	43.0	3.60	154.80	37.9	4.79	181.54
1970 .....	37.1	3.23	119.83	42.7	3.85	164.40	37.3	5.24	195.45
1971 .....	36.9	3.45	127.31	42.4	4.06	172.14	37.2	5.69	211.67
1972 .....	37.0	3.70	136.90	42.6	4.44	189.14	36.5	6.06	221.19
1973 .....	36.9	3.94	145.39	42.4	4.75	201.40	36.8	6.41	235.89
1974 .....	36.5	4.24	154.76	41.9	5.23	219.14	36.6	6.81	249.25
1975 .....	36.1	4.53	163.53	41.9	5.95	249.31	36.4	7.31	266.08
1976 .....	36.1	4.86	175.45	42.4	6.46	273.90	36.8	7.71	283.73
1977 .....	36.0	5.25	189.00	43.4	6.94	301.20	36.5	8.10	295.65
1978 .....	35.8	5.69	203.70	43.4	7.67	332.88	36.8	8.66	318.69
1979 .....	35.7	6.16	219.91	43.0	8.49	365.07	37.0	9.27	342.99
1980 .....	35.3	6.66	235.10	43.3	9.17	397.06	37.0	9.94	367.78
1981 .....	35.2	7.25	255.20	43.7	10.04	438.75	36.9	10.82	399.26
1982 .....	34.8	7.68	267.26	42.7	10.77	459.88	36.7	11.63	426.82
1983 .....	35.0	8.02	280.70	42.5	11.28	479.40	37.1	11.94	442.97
1984 .....	35.2	8.32	292.86	43.3	11.63	503.58	37.8	12.13	458.51
1985 .....	34.9	8.57	299.09	43.4	11.98	519.93	37.7	12.32	464.46
1986 .....	34.8	8.76	304.85	42.2	12.46	525.81	37.4	12.48	466.75
1987 .....	34.8	8.98	312.50	42.4	12.54	531.70	37.8	12.71	480.44
1988 .....	34.7	9.28	322.02	42.3	12.80	541.44	37.9	13.08	495.73
1989 .....	34.6	9.66	334.24	43.0	13.26	570.18	37.9	13.54	513.17
1990 .....	34.5	10.01	345.35	44.1	13.68	603.29	38.2	13.77	526.01
1991 .....	34.3	10.33	354.32	44.4	14.18	629.59	38.1	13.99	533.02
Monthly data, not seasonally adjusted									
<b>1991:</b>									
August .....	34.7	\$10.29	\$357.06	44.5	\$14.13	\$628.79	38.8	\$14.01	\$543.59
September .....	34.6	10.44	361.22	44.8	14.32	641.54	39.1	14.12	552.09
October .....	34.4	10.43	358.79	44.4	14.12	626.93	39.2	14.11	553.11
November .....	34.3	10.45	358.44	44.5	14.27	635.02	37.8	13.98	528.44
December .....	34.7	10.49	364.00	44.7	14.50	648.15	37.9	14.09	534.01
<b>1992:</b>									
January .....	33.8	10.50	354.90	43.4	14.59	633.21	36.7	14.04	515.27
February .....	34.2	10.52	359.78	43.9	14.52	637.43	36.6	13.87	507.64
March .....	34.3	10.54	361.52	43.8	14.54	636.85	37.3	14.03	523.32
April .....	34.2	10.54	360.47	43.6	14.52	633.07	38.2	14.02	535.56
May .....	34.4	10.55	362.92	43.9	14.45	634.36	38.9	14.05	546.55
June .....	34.6	10.53	364.34	43.8	14.51	635.54	38.9	14.09	548.10
July <sup>p</sup> .....	34.6	10.52	363.99	43.1	14.47	623.66	38.9	14.04	546.16
August <sup>p</sup> .....	35.0	10.56	369.60	44.3	14.50	642.35	39.0	14.16	552.24

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Manufacturing				Transportation and public utilities			Wholesale trade		
	Weekly hours	Hourly earnings	Hourly earnings, excluding overtime	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
	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	12.97	504.53	38.1	10.79	411.10
1991 .....	40.7	11.18	10.71	455.03	38.7	13.24	512.39	38.1	11.15	424.82
	Monthly data, not seasonally adjusted									
<b>1991:</b>										
August .....	40.9	\$11.17	\$10.66	\$456.85	38.9	\$13.26	\$515.81	38.2	\$11.13	\$425.17
September .....	41.4	11.27	10.73	466.58	39.1	13.33	521.20	38.4	11.23	431.23
October .....	41.1	11.25	10.74	462.38	38.6	13.26	511.84	38.2	11.18	427.08
November .....	41.3	11.31	10.79	467.10	38.5	13.28	511.28	38.1	11.25	428.63
December .....	41.7	11.38	10.85	474.55	38.7	13.38	517.81	38.4	11.33	435.07
<b>1992:</b>										
January .....	40.6	11.29	10.84	458.37	37.9	13.36	506.34	37.8	11.29	426.76
February .....	40.6	11.32	10.87	459.59	38.4	13.47	517.25	38.2	11.36	433.95
March .....	40.9	11.36	10.89	464.62	38.2	13.38	511.12	38.2	11.34	433.19
April .....	40.4	11.41	10.96	460.96	38.2	13.43	513.03	38.2	11.34	433.19
May .....	41.1	11.44	10.94	470.18	38.7	13.39	518.19	38.3	11.35	434.71
June .....	41.2	11.45	10.93	471.74	38.9	13.40	521.26	38.2	11.33	432.81
July <sup>p</sup> .....	40.7	11.46	10.95	466.42	39.1	13.45	525.90	38.2	11.38	434.72
August <sup>p</sup> .....	41.1	11.45	10.91	470.60	39.4	13.51	532.29	38.4	11.44	439.30

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Retail trade			Finance, insurance, and real estate			Services		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
<b>Annual averages</b>									
1964 .....	37.0	\$1.75	\$64.75	37.3	\$2.30	\$85.79	36.1	\$1.94	\$70.03
1965 .....	36.6	1.82	66.61	37.2	2.39	88.91	35.9	2.05	73.60
1966 .....	35.9	1.91	68.57	37.3	2.47	92.13	35.5	2.17	77.04
1967 .....	35.3	2.01	70.95	37.1	2.58	95.72	35.1	2.29	80.38
1968 .....	34.7	2.16	74.95	37.0	2.75	101.75	34.7	2.42	83.97
1969 .....	34.2	2.30	78.66	37.1	2.93	108.70	34.7	2.61	90.57
1970 .....	33.8	2.44	82.47	36.7	3.07	112.67	34.4	2.81	96.66
1971 .....	33.7	2.60	87.62	36.6	3.22	117.85	33.9	3.04	103.06
1972 .....	33.4	2.75	91.85	36.6	3.36	122.98	33.9	3.27	110.85
1973 .....	33.1	2.91	96.32	36.6	3.53	129.20	33.8	3.47	117.29
1974 .....	32.7	3.14	102.68	36.5	3.77	137.61	33.6	3.75	126.00
1975 .....	32.4	3.36	108.86	36.5	4.06	148.19	33.5	4.02	134.67
1976 .....	32.1	3.57	114.60	36.4	4.27	155.43	33.3	4.31	143.52
1977 .....	31.6	3.85	121.66	36.4	4.54	165.26	33.0	4.65	153.45
1978 .....	31.0	4.20	130.20	36.4	4.89	178.00	32.8	4.99	163.67
1979 .....	30.6	4.53	138.62	36.2	5.27	190.77	32.7	5.36	175.27
1980 .....	30.2	4.88	147.38	36.2	5.79	209.60	32.6	5.85	190.71
1981 .....	30.1	5.25	158.03	36.3	6.31	229.05	32.6	6.41	208.97
1982 .....	29.9	5.48	163.85	36.2	6.78	245.44	32.6	6.92	225.59
1983 .....	29.8	5.74	171.05	36.2	7.29	263.90	32.7	7.31	239.04
1984 .....	29.8	5.85	174.33	36.5	7.63	278.50	32.6	7.59	247.43
1985 .....	29.4	5.94	174.64	36.4	7.94	289.02	32.5	7.90	256.75
1986 .....	29.2	6.03	176.08	36.4	8.36	304.30	32.5	8.18	265.85
1987 .....	29.2	6.12	178.70	36.3	8.73	316.90	32.5	8.49	275.93
1988 .....	29.1	6.31	183.62	35.9	9.06	325.25	32.6	8.88	289.49
1989 .....	28.9	6.53	188.72	35.8	9.53	341.17	32.6	9.38	305.79
1990 .....	28.8	6.75	194.40	35.8	9.97	356.93	32.5	9.83	319.48
1991 .....	28.6	6.95	198.77	35.7	10.40	371.28	32.4	10.22	331.13
<b>Monthly data, not seasonally adjusted</b>									
<b>1991:</b>									
August .....	29.3	\$6.93	\$203.05	35.7	\$10.35	\$369.50	32.7	\$10.13	\$331.25
September .....	28.7	7.03	201.76	36.0	10.51	378.36	32.5	10.32	335.40
October .....	28.4	7.03	199.65	35.5	10.47	371.69	32.3	10.32	333.34
November .....	28.4	7.06	200.50	35.6	10.52	374.51	32.3	10.39	335.60
December .....	29.2	7.05	205.86	36.2	10.66	385.89	32.6	10.48	341.65
<b>1992:</b>									
January .....	27.8	7.10	197.38	35.6	10.66	379.50	32.1	10.49	336.73
February .....	28.4	7.10	201.64	36.4	10.81	393.48	32.5	10.54	342.55
March .....	28.4	7.11	201.92	36.2	10.80	390.96	32.5	10.53	342.23
April .....	28.6	7.12	203.63	35.7	10.75	383.78	32.3	10.50	339.15
May .....	28.7	7.12	204.34	35.6	10.76	383.06	32.4	10.47	339.23
June .....	29.0	7.10	205.90	35.6	10.70	380.92	32.5	10.42	338.65
July <sup>p</sup> .....	29.3	7.10	208.03	35.7	10.73	383.06	32.7	10.41	340.41
August <sup>p</sup> .....	29.7	7.09	210.57	36.3	10.85	393.86	33.1	10.45	345.90

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

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

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Total private</b> .....		34.5	34.7	34.6	34.6	35.0	-	-	-	-	-
<b>Mining</b> .....		43.6	44.5	43.8	43.1	44.3	-	-	-	-	-
Metal mining .....	10	42.6	43.3	42.0	42.5	-	-	-	-	-	-
Iron ores .....	101	40.9	41.5	41.8	39.6	-	-	-	-	-	-
Copper ores .....	102	45.3	46.2	42.6	45.5	-	-	-	-	-	-
Coal mining .....	12	42.4	44.7	44.9	40.0	-	-	-	-	-	-
Bituminous coal and lignite mining .....	122	42.4	44.8	45.0	39.7	-	-	-	-	-	-
Oil and gas extraction .....	13	43.8	44.2	42.8	43.6	-	-	-	-	-	-
Crude petroleum and natural gas .....	131	41.1	41.5	40.9	41.0	-	-	-	-	-	-
Oil and gas field services .....	138	45.4	46.0	44.1	45.4	-	-	-	-	-	-
Nonmetallic minerals, except fuels .....	14	45.5	45.8	46.2	46.0	-	-	-	-	-	-
Crushed and broken stone .....	142	45.6	45.7	46.2	46.7	-	-	-	-	-	-
<b>Construction</b> .....		38.6	38.8	38.9	38.9	39.0	-	-	-	-	-
General building contractors .....	15	37.7	38.1	38.1	37.9	-	-	-	-	-	-
Residential building construction .....	152	36.7	37.0	37.1	36.9	-	-	-	-	-	-
Operative builders .....	153	38.3	37.5	39.2	39.7	-	-	-	-	-	-
Nonresidential building construction .....	154	38.7	39.3	39.0	38.9	-	-	-	-	-	-
Heavy construction, except building .....	16	42.6	42.7	43.2	43.2	-	-	-	-	-	-
Highway and street construction .....	161	44.4	44.2	44.7	45.0	-	-	-	-	-	-
Heavy construction, except highway .....	162	41.6	41.9	42.4	42.3	-	-	-	-	-	-
Special trade contractors .....	17	37.9	38.0	38.0	38.0	-	-	-	-	-	-
Plumbing, heating, and air conditioning .....	171	39.0	38.9	39.4	39.7	-	-	-	-	-	-
Painting and paper hanging .....	172	36.3	36.7	36.6	36.4	-	-	-	-	-	-
Electrical work .....	173	39.0	39.3	39.3	39.4	-	-	-	-	-	-
Masonry, stonework, and plastering .....	174	35.6	35.6	35.7	35.6	-	-	-	-	-	-
Carpentry and floor work .....	175	35.2	35.9	35.7	35.3	-	-	-	-	-	-
Roofing, siding, and sheet metal work .....	176	35.6	35.8	35.2	35.1	-	-	-	-	-	-
<b>Manufacturing</b> .....		40.4	40.9	41.2	40.7	41.1	3.6	3.9	3.9	3.7	4.0
<b>Durable goods</b> .....		40.7	41.2	41.8	41.2	41.5	3.5	3.8	3.9	3.7	3.9
Lumber and wood products .....	24	39.8	40.6	40.8	40.6	41.0	3.5	3.6	4.0	4.0	-
Logging .....	241	40.3	42.3	40.9	40.9	-	4.2	5.2	5.4	5.2	-
Sawmills and planing mills .....	242	40.3	41.3	41.8	41.2	-	4.2	4.3	4.6	4.4	-
Sawmills and planing mills, general .....	2421	40.7	41.5	42.1	41.6	-	4.5	4.4	4.8	4.7	-
Hardwood dimension and flooring mills .....	2426	39.2	40.3	40.8	40.0	-	3.1	3.7	3.8	3.3	-
Millwork, plywood, and structural members .....	243	39.5	40.3	40.9	40.6	-	3.2	3.1	3.7	3.8	-
Millwork .....	2431	40.2	40.4	40.3	40.1	-	3.0	2.9	3.0	3.0	-
Wood kitchen cabinets .....	2434	38.2	39.8	40.7	41.1	-	2.5	2.8	3.7	4.1	-
Hardwood veneer and plywood .....	2435	39.4	40.7	41.8	39.5	-	3.4	3.8	4.1	4.3	-
Softwood veneer and plywood .....	2436	39.2	40.3	42.1	41.5	-	4.1	3.3	4.9	4.8	-
Wood containers .....	244	38.9	39.1	39.3	38.7	-	2.9	2.8	3.1	2.9	-
Wood buildings and mobile homes .....	245	39.1	38.9	39.8	40.6	-	2.5	2.6	3.0	3.7	-
Mobile homes .....	2451	39.1	38.9	39.9	40.4	-	2.2	2.4	3.0	3.7	-
Miscellaneous wood products .....	249	39.6	40.3	39.8	39.6	-	2.8	3.1	3.0	3.0	-
Furniture and fixtures .....	25	38.7	39.5	39.9	39.8	40.1	2.6	3.0	2.8	2.9	-
Household furniture .....	251	37.6	38.9	39.0	38.9	-	2.0	2.3	2.3	2.1	-
Wood household furniture .....	2511	37.7	39.6	39.2	38.8	-	2.0	2.6	2.3	2.1	-
Upholstered household furniture .....	2512	35.9	37.1	37.7	38.0	-	1.4	1.6	1.8	1.6	-
Metal household furniture .....	2514	40.5	40.1	41.5	41.2	-	3.0	2.9	4.1	2.7	-
Mattresses and bedsprings .....	2515	40.7	40.8	40.7	41.3	-	3.1	3.2	2.7	3.7	-
Office furniture .....	252	37.4	36.7	40.8	40.0	-	2.2	2.5	3.0	3.0	-
Public building and related furniture .....	253	43.2	42.9	42.6	42.2	-	5.4	5.2	4.4	4.5	-
Partitions and fixtures .....	254	41.7	42.5	41.4	41.3	-	4.2	4.9	4.0	4.6	-
Miscellaneous furniture and fixtures .....	259	39.5	39.7	40.7	41.2	-	3.2	3.2	2.8	3.5	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Total private</b> .....		\$10.29	\$10.29	\$10.53	\$10.52	\$10.56	\$355.01	\$357.06	\$364.34	\$363.99	\$369.60
<b>Mining</b> .....		14.18	14.13	14.51	14.47	14.50	618.25	628.79	635.54	623.66	642.35
Metal mining .....	10	15.04	14.74	15.15	15.38	-	640.70	638.24	636.30	653.65	-
Iron ores .....	101	17.20	16.13	16.41	15.74	-	703.48	669.40	685.94	623.30	-
Copper ores .....	102	13.49	13.29	13.80	14.79	-	611.10	614.00	587.88	672.95	-
Coal mining .....	12	17.24	17.02	17.14	17.22	-	730.98	760.79	769.59	688.80	-
Bituminous coal and lignite mining .....	122	17.41	17.17	17.30	17.37	-	738.18	769.22	778.50	689.59	-
Oil and gas extraction .....	13	13.52	13.50	14.02	14.01	-	592.18	596.70	600.06	610.84	-
Crude petroleum and natural gas .....	131	16.52	16.42	16.64	16.62	-	678.97	681.43	680.58	681.42	-
Oil and gas field services .....	138	11.81	11.81	12.20	12.30	-	536.17	543.26	538.02	558.42	-
Nonmetallic minerals, except fuels .....	14	11.96	12.04	12.27	12.28	-	544.18	551.43	566.87	564.88	-
Crushed and broken stone .....	142	11.28	11.39	11.59	11.61	-	514.37	520.52	535.46	542.19	-
<b>Construction</b> .....		13.94	14.01	14.09	14.04	14.16	538.08	543.59	548.10	546.16	552.24
General building contractors .....	15	13.19	13.25	13.25	13.26	-	497.26	504.83	504.83	502.55	-
Residential building construction .....	152	12.12	12.07	12.24	12.31	-	444.80	446.59	454.10	454.24	-
Operative builders .....	153	13.72	14.03	13.90	13.41	-	525.48	526.13	544.88	532.38	-
Nonresidential building construction .....	154	14.12	14.25	14.19	14.16	-	546.44	560.03	553.41	550.82	-
Heavy construction, except building .....	16	13.81	13.98	14.12	13.92	-	588.31	596.95	609.98	601.34	-
Highway and street construction .....	161	13.73	14.00	14.00	13.84	-	609.61	618.80	625.80	622.80	-
Heavy construction, except highway .....	162	13.86	13.97	14.18	13.97	-	576.58	585.34	601.23	590.93	-
Special trade contractors .....	17	14.27	14.31	14.38	14.37	-	540.83	543.78	546.44	546.06	-
Plumbing, heating, and air conditioning .....	171	14.58	14.59	14.77	14.84	-	568.62	567.55	581.94	589.15	-
Painting and paper hanging .....	172	13.00	13.02	13.15	13.05	-	471.90	477.83	481.29	475.02	-
Electrical work .....	173	15.31	15.27	15.37	15.29	-	597.09	600.11	604.04	602.43	-
Masonry, stonework, and plastering .....	174	14.47	14.62	14.37	14.53	-	515.13	520.47	513.01	517.27	-
Carpentry and floor work .....	175	14.14	14.30	14.59	14.59	-	497.73	513.37	520.86	515.03	-
Roofing, siding, and sheet metal work .....	176	12.20	12.30	12.55	12.39	-	434.32	440.34	441.76	434.89	-
<b>Manufacturing</b> .....		11.22	11.17	11.45	11.46	11.45	453.29	456.85	471.74	466.42	470.60
<b>Durable goods</b> .....		11.80	11.76	12.04	12.03	12.05	480.26	484.51	503.27	495.64	500.08
Lumber and wood products .....	24	9.30	9.32	9.41	9.46	9.47	370.14	378.39	383.93	384.08	388.27
Logging .....	241	11.26	11.31	11.29	11.21	-	453.78	478.41	461.76	458.49	-
Sawmills and planing mills .....	242	9.40	9.40	9.53	9.61	-	378.82	388.22	398.35	395.93	-
Sawmills and planing mills, general .....	2421	9.71	9.72	9.85	9.93	-	395.20	403.38	414.69	413.09	-
Hardwood dimension and flooring mills .....	2426	7.89	7.93	8.09	8.10	-	309.29	319.58	330.07	324.00	-
Millwork, plywood, and structural members .....	243	9.35	9.29	9.45	9.51	-	369.33	374.39	386.51	386.11	-
Millwork .....	2431	9.70	9.57	9.71	9.71	-	389.94	386.63	391.31	389.37	-
Wood kitchen cabinets .....	2434	8.81	8.78	8.96	8.96	-	336.54	349.44	364.67	368.26	-
Hardwood veneer and plywood .....	2435	7.92	7.95	8.19	8.36	-	312.05	323.57	342.34	330.22	-
Softwood veneer and plywood .....	2436	10.56	10.51	10.78	11.11	-	413.95	423.55	453.84	461.07	-
Wood containers .....	244	6.67	6.76	6.85	6.86	-	259.46	264.32	269.21	265.48	-
Wood buildings and mobile homes .....	245	8.93	9.08	9.19	9.21	-	349.16	353.21	365.76	373.93	-
Mobile homes .....	2451	8.99	9.16	9.23	9.24	-	351.51	356.32	368.28	373.30	-
Miscellaneous wood products .....	249	8.57	8.59	8.70	8.75	-	339.37	346.18	346.26	346.50	-
Furniture and fixtures .....	25	8.76	8.81	8.99	9.00	9.08	339.01	348.00	358.70	358.20	364.11
Household furniture .....	251	8.09	8.17	8.39	8.36	-	304.18	317.81	327.21	325.20	-
Wood household furniture .....	2511	7.64	7.68	7.85	7.82	-	288.03	304.13	307.72	303.42	-
Upholstered household furniture .....	2512	8.66	8.89	9.20	9.08	-	310.89	329.82	346.84	345.04	-
Metal household furniture .....	2514	8.33	8.46	8.46	8.41	-	337.37	339.25	351.09	346.49	-
Mattresses and bedsprings .....	2515	8.47	8.46	8.67	8.86	-	344.73	345.17	352.87	365.92	-
Office furniture .....	252	9.57	9.53	9.73	9.72	-	357.92	349.75	396.98	388.80	-
Public building and related furniture .....	253	9.39	9.44	9.52	9.51	-	405.65	404.98	405.55	401.32	-
Partitions and fixtures .....	254	10.13	10.15	10.34	10.41	-	422.42	431.38	428.08	429.93	-
Miscellaneous furniture and fixtures .....	259	9.18	9.24	9.31	9.41	-	362.61	366.83	378.92	387.69	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products .....	32	42.0	42.2	42.8	42.7	42.8	5.0	5.1	5.3	5.4	-
Flat glass .....	321	45.8	45.3	45.5	43.0	-	7.7	7.2	6.7	4.5	-
Glass and glassware, pressed or blown .....	322	41.7	42.0	42.3	42.2	-	4.7	4.7	4.5	4.7	-
Glass containers .....	3221	42.1	42.4	42.9	42.8	-	5.7	5.8	5.7	6.1	-
Pressed and blown glass, nec .....	3229	41.2	41.7	41.8	41.6	-	3.7	3.7	3.4	3.5	-
Products of purchased glass .....	323	39.9	40.9	41.9	41.3	-	2.9	3.5	3.7	3.3	-
Cement, hydraulic .....	324	41.6	41.4	41.8	42.0	-	3.3	3.5	4.2	4.1	-
Structural clay products .....	325	40.0	39.9	41.0	40.5	-	2.9	3.0	3.5	3.4	-
Pottery and related products .....	326	39.6	40.5	40.9	40.3	-	2.7	3.1	3.2	3.5	-
Concrete, gypsum, and plaster products .....	327	43.8	43.7	44.4	45.0	-	6.7	6.7	7.3	7.7	-
Concrete block and brick .....	3271	44.0	43.8	46.2	45.9	-	6.8	6.7	8.1	7.7	-
Concrete products, nec .....	3272	42.9	43.3	43.7	44.4	-	5.6	5.8	6.0	6.8	-
Ready-mixed concrete .....	3273	43.8	43.4	44.1	44.8	-	7.3	7.1	7.8	8.2	-
Misc. nonmetallic mineral products .....	329	41.0	41.1	41.7	41.5	-	4.4	4.4	4.6	4.8	-
Abrasive products .....	3291	40.3	40.3	40.9	41.2	-	3.3	2.9	3.0	3.3	-
Asbestos products .....	3292	36.6	38.6	39.4	38.4	-	1.8	2.8	4.2	4.0	-
Primary metal industries .....	33	42.3	42.6	43.5	43.1	43.1	4.7	5.0	5.4	5.2	-
Blast furnaces and basic steel products .....	331	43.1	43.5	44.1	44.0	43.8	5.1	5.5	5.6	5.7	-
Blast furnaces and steel mills .....	3312	43.7	43.8	44.2	44.4	-	5.3	5.7	5.7	5.9	-
Steel pipe and tubes .....	3317	40.6	42.1	43.4	42.4	-	4.8	4.8	5.0	5.0	-
Iron and steel foundries .....	332	41.5	41.8	43.9	43.5	-	4.3	4.5	5.5	5.1	-
Gray and ductile iron foundries .....	3321	41.5	42.6	44.8	44.1	-	4.4	4.9	6.3	5.4	-
Malleable iron foundries .....	3322	44.6	44.2	45.4	44.7	-	5.3	5.8	7.3	7.5	-
Steel foundries, nec .....	3325	41.3	39.6	41.7	42.3	-	4.0	3.6	4.0	4.1	-
Primary nonferrous metals .....	333	43.5	42.8	43.1	43.6	-	4.8	5.0	5.4	5.4	-
Primary aluminum .....	3334	43.9	43.2	43.4	43.4	-	5.4	5.6	6.0	6.0	-
Nonferrous rolling and drawing .....	335	42.3	42.8	43.7	43.1	-	5.5	5.9	6.0	5.8	-
Copper rolling and drawing .....	3351	42.1	42.5	43.8	42.3	-	5.7	5.8	6.8	6.0	-
Aluminum sheet, plate, and foil .....	3353	45.5	45.3	45.0	44.4	-	8.0	8.3	7.6	7.6	-
Nonferrous wire drawing and insulating .....	3357	40.3	41.6	42.6	41.9	-	4.2	4.8	5.2	4.7	-
Nonferrous foundries (castings) .....	336	40.4	40.6	41.3	40.1	-	3.0	3.1	3.5	3.1	-
Aluminum foundries .....	3365	42.0	41.4	42.0	40.2	-	3.5	3.3	4.0	3.5	-
Fabricated metal products .....	34	40.6	41.4	41.9	41.3	41.6	3.4	3.8	4.0	3.8	-
Metal cans and shipping containers .....	341	44.5	43.4	43.8	44.0	-	5.9	5.4	6.2	6.4	-
Metal cans .....	3411	45.0	43.7	44.2	44.4	-	5.9	5.3	6.2	6.3	-
Cutlery, handtools, and hardware .....	342	39.8	41.3	41.8	40.5	-	2.5	3.4	3.3	2.7	-
Hand and edge tools, and blades and handsaws .....	3423,5	39.1	41.3	41.3	40.0	-	2.3	3.6	2.9	2.7	-
Hardware, nec .....	3429	39.8	40.9	41.9	40.5	-	2.6	3.1	3.3	2.6	-
Plumbing and heating, except electric .....	343	40.4	41.6	42.2	41.4	-	2.9	4.4	3.9	3.8	-
Plumbing fixture fittings and trim .....	3432	40.7	42.3	43.5	42.4	-	2.6	4.2	4.8	4.5	-
Heating equipment, except electric .....	3433	39.3	40.4	39.9	39.0	-	2.3	3.8	2.4	2.1	-
Fabricated structural metal products .....	344	40.4	41.1	41.5	41.5	-	3.4	3.8	3.9	4.0	-
Fabricated structural metal .....	3441	41.4	41.7	41.2	41.9	-	3.9	4.3	4.0	4.7	-
Metal doors, sash, and trim .....	3442	39.5	40.5	40.7	40.8	-	3.1	3.2	3.7	3.6	-
Fabricated plate work (boiler shops) .....	3443	41.3	42.2	42.7	42.6	-	3.6	4.3	4.2	4.4	-
Sheet metal work .....	3444	39.6	40.4	40.9	40.5	-	3.1	3.2	3.2	3.1	-
Architectural metal work .....	3446	38.9	39.4	40.7	40.9	-	3.0	3.4	3.8	4.0	-
Screw machine products, bolts, etc .....	345	40.1	41.4	41.8	41.3	-	3.4	3.9	4.2	4.1	-
Screw machine products .....	3451	39.6	40.6	41.8	41.3	-	2.7	3.0	3.8	3.5	-
Bolts, nuts, rivets, and washers .....	3452	40.6	42.3	41.8	41.2	-	4.1	4.8	4.7	4.8	-
Metal forgings and stampings .....	346	41.0	42.0	42.8	41.3	-	3.7	3.9	4.5	3.3	-
Iron and steel forgings .....	3462	39.8	40.9	41.4	40.6	-	3.6	3.6	3.9	3.6	-
Automotive stampings .....	3465	41.9	43.0	44.1	41.9	-	4.0	4.4	5.2	3.1	-
Metal stampings, nec .....	3469	40.1	41.0	41.2	40.7	-	3.1	3.4	3.6	3.3	-
Metal services, nec .....	347	40.6	41.1	41.2	41.0	-	3.8	3.9	3.9	4.1	-
Plating and polishing .....	3471	39.5	40.1	40.7	40.4	-	2.9	2.9	3.5	3.7	-
Metal coating and allied services .....	3479	42.4	42.6	41.9	42.0	-	5.2	5.5	4.6	4.7	-
Ordnance and accessories, nec .....	348	40.4	40.7	41.9	40.9	-	3.0	3.3	3.7	3.1	-
Ammunition, except for small arms, nec .....	3483	40.7	41.0	41.4	40.4	-	3.2	3.3	3.4	2.7	-
Misc. fabricated metal products .....	349	40.2	41.4	41.8	40.9	-	3.1	3.6	3.9	3.7	-
Valves and pipe fittings, nec .....	3494	40.7	41.0	41.7	42.0	-	2.7	3.1	3.3	3.9	-
Misc. fabricated wire products .....	3496	40.1	40.8	41.5	39.7	-	3.2	3.5	3.8	3.1	-

See footnotes at end of table.



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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>o</sup>	Aug. 1992 <sup>o</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>o</sup>	Aug. 1992 <sup>o</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products .....	32	\$11.43	\$11.42	\$11.66	\$11.67	\$11.66	\$480.06	\$481.92	\$499.05	\$498.31	\$499.05
Flat glass .....	321	16.29	16.31	16.62	16.28	-	746.08	738.84	756.21	700.04	-
Glass and glassware, pressed or blown .....	322	12.96	12.84	12.94	13.12	-	540.43	539.28	547.36	553.66	-
Glass containers .....	3221	13.75	13.62	13.66	13.89	-	578.88	577.49	586.01	594.49	-
Pressed and blown glass, nec .....	3229	12.18	12.09	12.26	12.38	-	501.82	504.15	512.47	515.01	-
Products of purchased glass .....	323	9.65	9.64	10.12	9.91	-	385.04	394.28	424.03	409.28	-
Cement, hydraulic .....	324	13.89	13.94	14.57	14.59	-	577.82	577.12	609.03	612.78	-
Structural clay products .....	325	9.83	9.76	9.98	9.97	-	393.20	389.42	409.18	403.79	-
Pottery and related products .....	326	9.85	9.75	10.06	10.21	-	390.06	394.88	411.45	411.46	-
Concrete, gypsum, and plaster products .....	327	11.02	11.04	11.31	11.29	-	482.68	482.45	502.16	508.05	-
Concrete block and brick .....	3271	10.45	10.41	10.71	10.58	-	459.80	455.96	494.80	485.62	-
Concrete products, nec .....	3272	9.80	9.89	10.04	10.15	-	420.42	428.24	438.75	450.66	-
Ready-mixed concrete .....	3273	11.81	11.84	12.11	12.01	-	517.28	513.86	534.05	538.05	-
Misc. nonmetallic mineral products .....	329	11.77	11.77	12.01	12.08	-	482.57	483.75	500.82	501.32	-
Abrasive products .....	3291	10.08	10.13	10.20	10.21	-	406.22	408.24	417.18	420.65	-
Asbestos products .....	3292	11.40	11.58	12.10	12.57	-	417.24	446.99	476.74	482.69	-
Primary metal industries .....	33	13.45	13.43	13.69	13.75	13.74	568.94	572.12	595.52	592.63	592.19
Blast furnaces and basic steel products .....	331	15.54	15.47	15.89	15.92	15.93	669.77	672.95	700.75	700.48	697.73
Blast furnaces and steel mills .....	3312	16.38	16.30	16.88	16.88	-	715.81	713.94	746.10	749.47	-
Steel pipe and tubes .....	3317	12.19	12.27	12.34	12.33	-	494.91	516.57	535.56	522.79	-
Iron and steel foundries .....	332	11.92	11.94	12.33	12.37	-	494.68	499.09	541.29	538.10	-
Gray and ductile iron foundries .....	3321	12.49	12.41	12.81	12.82	-	518.34	528.67	573.89	565.36	-
Malleable iron foundries .....	3322	12.42	12.61	12.89	13.13	-	553.93	557.36	585.21	586.91	-
Steel foundries, nec .....	3325	11.21	11.26	11.60	11.62	-	462.97	445.90	483.72	491.53	-
Primary nonferrous metals .....	333	14.55	14.64	14.70	15.03	-	632.93	626.59	633.57	655.31	-
Primary aluminum .....	3334	14.98	15.04	15.08	15.35	-	657.62	649.73	654.47	666.19	-
Nonferrous rolling and drawing .....	335	12.77	12.77	12.95	12.89	-	540.17	546.56	565.92	555.56	-
Copper rolling and drawing .....	3351	12.05	12.07	12.45	12.34	-	507.31	512.98	545.31	521.98	-
Aluminum sheet, plate, and foil .....	3353	15.36	15.49	15.45	15.55	-	698.88	701.70	695.25	690.42	-
Nonferrous wire drawing and insulating .....	3357	12.59	12.63	13.02	12.88	-	507.38	525.41	554.65	539.67	-
Nonferrous foundries (castings) .....	336	10.61	10.63	10.86	10.99	-	428.64	431.58	448.52	440.70	-
Aluminum foundries .....	3365	10.19	10.19	10.40	10.57	-	427.98	421.87	436.80	424.91	-
Fabricated metal products .....	34	11.22	11.21	11.43	11.40	11.42	455.53	464.09	478.92	470.82	475.07
Metal cans and shipping containers .....	341	14.77	14.51	14.92	15.13	-	657.27	629.73	653.50	665.72	-
Metal cans .....	3411	15.67	15.43	15.88	16.11	-	705.15	674.29	701.90	715.28	-
Cutlery, handtools, and hardware .....	342	11.12	11.15	11.23	11.24	-	442.58	460.50	469.41	455.22	-
Hand and edge tools, and blades and handsaws .....	3423,5	10.32	10.38	10.52	10.51	-	403.51	428.69	434.48	420.40	-
Hardware, nec .....	3429	11.42	11.37	11.39	11.41	-	454.52	465.03	477.24	462.11	-
Plumbing and heating, except electric .....	343	9.75	9.93	10.21	10.20	-	393.90	413.09	430.86	422.28	-
Plumbing fixture fittings and trim .....	3432	9.23	9.32	9.77	9.76	-	375.66	394.24	425.00	413.82	-
Heating equipment, except electric .....	3433	9.92	10.08	10.29	10.24	-	389.86	407.23	410.57	399.36	-
Fabricated structural metal products .....	344	10.52	10.53	10.64	10.69	-	425.01	432.78	441.56	443.64	-
Fabricated structural metal .....	3441	10.53	10.58	10.63	10.73	-	435.94	441.19	437.96	449.59	-
Metal doors, sash, and trim .....	3442	8.80	8.76	8.98	9.05	-	347.60	354.78	365.49	369.24	-
Fabricated plate work (boiler shops) .....	3443	11.33	11.47	11.73	11.80	-	467.93	484.03	500.87	502.68	-
Sheet metal work .....	3444	11.03	10.93	10.94	10.94	-	436.79	441.57	447.45	443.07	-
Architectural metal work .....	3446	10.17	10.12	10.17	10.18	-	395.61	398.73	413.92	416.36	-
Screw machine products, bolts, etc .....	345	11.06	11.14	11.36	11.34	-	443.51	461.20	474.85	468.34	-
Screw machine products .....	3451	10.32	10.30	10.55	10.50	-	408.67	418.18	440.99	433.65	-
Bolts, nuts, rivets, and washers .....	3452	11.79	11.96	12.26	12.28	-	478.67	505.91	512.47	505.94	-
Metal forgings and stampings .....	346	13.29	13.24	13.62	13.35	-	544.89	556.08	582.94	551.36	-
Iron and steel forgings .....	3462	13.12	13.10	13.58	13.48	-	522.18	535.79	562.21	547.29	-
Automotive stampings .....	3465	15.18	15.10	15.49	15.09	-	636.04	649.30	683.11	632.27	-
Metal stampings, nec .....	3469	10.55	10.58	10.77	10.81	-	423.06	433.78	443.72	439.97	-
Metal services, nec .....	347	9.38	9.33	9.47	9.53	-	380.83	383.46	390.16	390.73	-
Plating and polishing .....	3471	9.28	9.20	9.44	9.49	-	366.56	368.92	384.21	383.40	-
Metal coating and allied services .....	3479	9.51	9.53	9.52	9.59	-	403.22	405.98	398.89	402.78	-
Ordnance and accessories, nec .....	348	12.33	12.35	12.65	12.57	-	498.13	502.65	530.04	514.11	-
Ammunition, except for small arms, nec .....	3483	12.26	12.29	12.59	12.48	-	498.98	503.89	521.23	504.19	-
Misc. fabricated metal products .....	349	10.47	10.54	10.72	10.82	-	420.89	436.36	448.10	442.54	-
Valves and pipe fittings, nec .....	3494	10.99	11.00	11.40	11.39	-	447.29	451.00	475.38	478.38	-
Misc. fabricated wire products .....	3496	9.14	9.18	9.34	9.46	-	366.51	374.54	387.61	375.56	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Durable goods—Continued</b>											
Industrial machinery and equipment .....	35	41.2	41.5	42.3	41.7	42.0	3.6	3.7	4.0	3.8	-
Engines and turbines .....	351	43.7	42.9	44.2	44.8	-	4.3	4.7	5.2	3.9	-
Turbines and turbine generator sets .....	3511	46.6	44.6	43.9	41.6	-	6.1	6.5	5.5	4.1	-
Internal combustion engines, nec .....	3519	42.5	42.2	44.3	46.1	-	3.6	3.9	5.1	3.8	-
Farm and garden machinery .....	352	39.6	40.1	40.5	38.1	-	2.8	2.8	2.7	2.7	-
Farm machinery and equipment .....	3523	39.6	39.3	40.7	38.8	-	3.1	2.7	3.0	3.0	-
Construction and related machinery .....	353	42.1	42.4	43.5	43.8	-	3.3	3.3	3.9	4.0	-
Construction machinery .....	3531	41.8	43.0	44.2	45.9	-	2.3	2.9	3.6	3.8	-
Mining machinery .....	3532	39.9	39.6	40.6	40.7	-	3.2	3.1	3.6	3.7	-
Oil and gas field machinery .....	3533	45.2	45.2	45.8	44.2	-	4.6	4.3	4.8	4.1	-
Conveyors and conveying equipment .....	3535	42.2	41.1	42.9	43.8	-	4.7	3.9	4.6	5.6	-
Industrial trucks and tractors .....	3537	38.3	39.3	40.1	39.3	-	1.9	2.1	3.1	2.8	-
Metalworking machinery .....	354	41.0	41.7	42.7	42.3	-	3.8	4.1	4.7	4.6	-
Machine tools, metal cutting types .....	3541	40.9	41.6	42.1	41.5	-	3.4	3.8	3.9	3.8	-
Machine tools, metal forming types .....	3542	40.9	40.4	41.7	40.7	-	3.0	3.2	3.4	3.4	-
Special dies, tools, jigs, and fixtures .....	3544	41.6	42.2	43.2	43.2	-	4.7	5.0	5.4	5.6	-
Machine tool accessories .....	3545	39.8	40.7	42.4	42.1	-	2.6	2.6	4.0	3.8	-
Power driven handtools .....	3546	41.3	42.7	41.7	40.4	-	3.5	4.7	3.0	3.4	-
Special industry machinery .....	355	40.8	41.3	42.0	41.0	-	3.4	4.0	3.9	3.7	-
Textile machinery .....	3552	41.4	41.4	42.7	42.0	-	3.2	3.8	4.0	3.5	-
Printing trades machinery .....	3555	37.9	38.6	40.0	39.2	-	3.6	4.3	3.2	3.0	-
Food products machinery .....	3556	40.6	41.1	41.9	40.8	-	3.3	3.8	4.2	4.3	-
General industrial machinery .....	356	40.8	41.3	41.8	41.1	-	3.6	3.7	4.0	3.7	-
Pumps and pumping equipment .....	3561	40.4	41.5	41.5	40.7	-	3.5	3.7	3.7	3.6	-
Ball and roller bearings .....	3562	40.8	42.0	42.2	40.5	-	4.0	4.0	4.5	3.7	-
Air and gas compressors .....	3563	42.5	42.4	43.2	41.4	-	4.2	4.7	4.5	3.9	-
Blowers and fans .....	3564	40.2	40.2	40.0	40.8	-	3.3	3.4	3.6	3.8	-
Speed changers, drives, and gears .....	3566	40.2	40.2	42.2	41.2	-	3.7	4.0	4.8	4.8	-
Power transmission equipment, nec .....	3568	39.5	40.3	41.6	41.2	-	2.6	3.0	4.2	4.0	-
Computer and office equipment .....	357	41.0	41.0	42.0	41.7	-	2.6	2.6	2.9	2.6	-
Electronic computers .....	3571	40.2	41.0	40.7	40.6	-	2.1	2.3	2.7	2.4	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	42.0	39.8	42.0	42.7	-	4.2	3.7	3.8	3.7	-
Refrigeration and service machinery .....	358	41.0	41.4	41.6	41.0	-	3.9	3.7	3.7	3.6	-
Refrigeration and heating equipment .....	3585	41.6	41.8	41.9	41.6	-	4.4	4.0	3.9	3.9	-
Misc. industrial and commercial machinery .....	359	41.3	41.6	42.3	41.4	-	4.0	4.1	4.4	4.1	-
Carburetors, pistons, rings, valves .....	3592	40.7	40.4	42.2	40.2	-	2.6	2.9	4.2	2.9	-
Scales, balances, and industrial machinery, nec .....	3596,9	41.3	41.9	42.3	41.5	-	4.2	4.3	4.5	4.2	-
Electronic and other electrical equipment .....	36	39.9	40.5	41.3	40.6	40.8	3.0	3.3	3.4	3.2	-
Electric distribution equipment .....	361	40.9	40.9	41.7	41.1	-	2.8	3.3	3.5	3.3	-
Transformers, except electronic .....	3612	40.6	41.1	40.6	40.0	-	2.8	3.7	3.4	3.0	-
Switchgear and switchboard apparatus .....	3613	41.2	40.7	42.8	42.3	-	2.7	2.9	3.6	3.8	-
Electrical industrial apparatus .....	362	41.0	41.3	42.4	41.5	-	3.0	3.2	3.6	3.0	-
Motors and generators .....	3621	40.7	41.2	42.8	41.7	-	3.0	3.0	3.8	3.2	-
Relays and industrial controls .....	3625	41.3	41.0	41.5	40.4	-	2.9	3.4	2.9	2.4	-
Household appliances .....	363	40.2	40.3	40.7	40.1	-	2.9	3.3	2.8	2.6	-
Household refrigerators and freezers .....	3632	41.2	40.1	40.0	41.0	-	3.2	3.0	2.6	3.4	-
Household laundry equipment .....	3633	39.6	39.6	39.9	38.9	-	2.3	2.4	1.7	1.6	-
Electric housewares and fans .....	3634	39.7	41.6	41.6	41.1	-	2.8	4.0	3.2	2.9	-
Electric lighting and wiring equipment .....	364	39.5	39.9	40.8	39.6	-	2.6	2.8	3.1	2.8	-
Electric lamps .....	3641	40.8	41.4	42.1	40.8	-	3.6	3.0	3.6	2.7	-
Current-carrying wiring devices .....	3643	38.7	38.3	40.0	38.4	-	2.1	2.2	2.6	2.4	-
Noncurrent-carrying wiring devices .....	3644	40.7	42.3	43.4	41.4	-	2.7	3.0	3.8	3.4	-
Residential lighting fixtures .....	3645	37.2	38.0	37.5	36.7	-	1.2	1.8	2.1	1.5	-
Household audio and video equipment .....	365	38.0	39.3	41.2	39.9	-	3.5	4.0	3.7	3.3	-
Household audio and video equipment .....	3651	38.3	40.2	41.1	39.3	-	3.1	3.9	3.3	2.8	-
Communications equipment .....	366	40.3	40.8	41.6	41.5	-	3.0	3.0	3.4	3.4	-
Telephone and telegraph apparatus .....	3661	41.1	40.8	42.2	42.0	-	3.5	3.3	4.1	4.0	-
Electronic components and accessories .....	367	39.2	40.1	40.9	40.5	-	3.0	3.4	3.6	3.4	-
Electron tubes .....	3671	39.8	41.5	40.6	39.8	-	3.1	4.1	3.7	3.3	-
Semiconductors and related devices .....	3674	40.2	40.7	42.2	42.5	-	4.1	4.5	4.5	4.3	-
Electronic components, nec .....	3679	38.0	38.8	39.6	38.8	-	2.1	2.4	2.7	2.2	-
Misc. electrical equipment and supplies .....	369	41.4	41.8	42.2	41.0	-	3.6	3.9	3.5	3.2	-
Storage batteries .....	3691	41.5	45.1	43.3	41.7	-	4.7	6.3	3.1	3.8	-
Engine electrical equipment .....	3694	41.5	40.7	42.4	40.7	-	3.7	3.5	3.9	2.9	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Durable goods—Continued</b>											
Industrial machinery and equipment .....	35	\$12.16	\$12.14	\$12.44	\$12.48	\$12.45	\$500.99	\$503.81	\$526.21	\$520.42	\$522.90
Engines and turbines .....	351	15.06	15.41	15.68	15.56	-	658.12	661.09	693.06	697.09	-
Turbines and turbine generator sets .....	3511	15.52	15.87	16.08	16.10	-	723.23	707.80	705.91	669.76	-
Internal combustion engines, nec .....	3519	14.86	15.20	15.52	15.37	-	631.55	641.44	687.54	708.56	-
Farm and garden machinery .....	352	11.53	11.46	11.76	11.83	-	456.59	459.55	476.28	450.72	-
Farm machinery and equipment .....	3523	12.39	12.37	12.88	12.70	-	490.64	486.14	524.22	492.76	-
Construction and related machinery .....	353	12.45	12.37	12.79	12.91	-	524.15	524.49	556.37	565.46	-
Construction machinery .....	3531	14.27	14.10	14.33	14.60	-	596.49	606.30	633.39	670.14	-
Mining machinery .....	3532	12.12	12.26	12.69	12.73	-	483.59	485.50	515.21	518.11	-
Oil and gas field machinery .....	3533	11.54	11.46	11.57	11.56	-	521.61	517.99	529.91	510.95	-
Conveyors and conveying equipment .....	3535	11.32	11.28	11.60	11.65	-	477.70	463.61	497.64	510.27	-
Industrial trucks and tractors .....	3537	10.78	10.66	10.98	10.91	-	412.87	418.94	440.30	428.76	-
Metalworking machinery .....	354	12.56	12.50	12.93	12.96	-	514.96	521.25	552.11	548.21	-
Machine tools, metal cutting types .....	3541	12.90	12.95	13.33	13.39	-	527.61	538.72	561.19	555.69	-
Machine tools, metal forming types .....	3542	12.45	12.54	12.87	12.86	-	509.21	506.62	536.68	523.40	-
Special dies, tools, jigs, and fixtures .....	3544	13.07	13.01	13.42	13.46	-	543.71	549.02	579.74	581.47	-
Machine tool accessories .....	3545	11.33	11.21	11.52	11.49	-	450.93	456.25	488.45	483.73	-
Power driven handtools .....	3546	10.48	10.48	10.59	10.59	-	432.82	447.50	441.60	427.84	-
Special industry machinery .....	355	12.34	12.38	12.63	12.65	-	503.47	511.29	530.46	518.65	-
Textile machinery .....	3552	10.50	10.49	10.84	10.89	-	434.70	434.29	462.87	457.38	-
Printing trades machinery .....	3555	14.28	14.43	14.38	14.21	-	541.21	557.00	575.20	557.03	-
Food products machinery .....	3556	12.02	12.17	12.64	12.78	-	488.01	500.19	529.62	521.42	-
General industrial machinery .....	356	11.72	11.74	12.10	12.04	-	478.18	484.86	505.78	494.84	-
Pumps and pumping equipment .....	3561	12.21	12.34	12.82	12.79	-	493.28	512.11	532.03	520.55	-
Ball and roller bearings .....	3562	12.57	12.53	13.22	12.97	-	512.86	526.26	557.88	525.29	-
Air and gas compressors .....	3563	11.97	12.12	11.99	12.07	-	508.73	513.89	517.97	499.70	-
Blowers and fans .....	3564	10.08	10.11	10.48	10.46	-	405.22	406.42	419.20	426.77	-
Speed changers, drives, and gears .....	3566	12.28	12.38	12.53	12.67	-	493.66	497.68	528.77	522.00	-
Power transmission equipment, nec .....	3568	11.28	11.40	11.71	11.70	-	445.56	459.42	487.14	482.04	-
Computer and office equipment .....	357	12.10	11.99	12.43	12.50	-	496.10	491.59	522.06	521.25	-
Electronic computers .....	3571	12.55	12.36	13.34	13.25	-	504.51	506.76	542.94	537.95	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	12.21	12.24	12.58	12.46	-	512.82	487.15	528.36	532.04	-
Refrigeration and service machinery .....	358	11.16	11.12	11.21	11.30	-	457.56	460.37	466.34	463.30	-
Refrigeration and heating equipment .....	3585	11.29	11.26	11.31	11.39	-	469.66	470.67	473.89	473.82	-
Misc. industrial and commercial machinery .....	359	11.81	11.80	11.91	11.91	-	487.75	490.88	503.79	493.07	-
Carburetors, pistons, rings, valves .....	3592	12.15	12.30	12.86	12.80	-	494.51	496.92	542.69	514.56	-
Scales, balances, and industrial machinery, nec .....	3596,9	11.55	11.52	11.59	11.59	-	477.02	482.69	490.26	480.99	-
Electronic and other electrical equipment .....	36	10.75	10.76	11.06	11.05	11.06	428.93	435.78	456.78	448.63	451.25
Electric distribution equipment .....	361	10.62	10.64	10.92	11.04	-	434.36	435.18	455.36	453.74	-
Transformers, except electronic .....	3612	10.34	10.40	10.57	10.76	-	419.80	427.44	429.14	430.40	-
Switchgear and switchboard apparatus .....	3613	10.91	10.90	11.29	11.32	-	449.49	443.63	483.21	478.84	-
Electrical industrial apparatus .....	362	10.14	10.16	10.41	10.36	-	415.74	419.61	441.38	429.94	-
Motors and generators .....	3621	9.80	9.82	10.00	9.85	-	398.86	404.58	428.00	410.75	-
Relays and industrial controls .....	3625	10.63	10.64	11.09	11.13	-	439.02	436.24	460.24	449.65	-
Household appliances .....	363	10.47	10.47	10.47	10.53	-	420.89	421.94	426.13	422.25	-
Household refrigerators and freezers .....	3632	11.63	11.65	11.48	11.46	-	479.16	467.17	459.20	469.86	-
Household laundry equipment .....	3633	12.57	12.51	12.70	12.66	-	497.77	495.40	506.73	492.47	-
Electric housewares and fans .....	3634	7.48	7.71	7.74	7.80	-	296.96	320.74	321.98	320.58	-
Electric lighting and wiring equipment .....	364	10.67	10.56	10.90	10.89	-	421.47	421.34	444.72	431.24	-
Electric lamps .....	3641	12.11	11.86	12.33	12.29	-	494.09	491.00	519.09	501.43	-
Current-carrying wiring devices .....	3643	10.47	10.33	10.59	10.59	-	405.19	395.64	423.60	406.66	-
Noncurrent-carrying wiring devices .....	3644	9.77	9.67	10.16	10.15	-	397.64	409.04	440.94	420.21	-
Residential lighting fixtures .....	3645	8.01	7.97	8.34	8.28	-	297.97	302.86	312.75	303.88	-
Household audio and video equipment .....	365	10.51	10.51	11.03	10.86	-	399.38	413.04	454.44	433.31	-
Household audio and video equipment .....	3651	10.83	10.87	11.28	11.03	-	414.79	436.97	463.61	433.48	-
Communications equipment .....	366	11.48	11.45	11.60	11.54	-	462.64	467.16	482.56	478.91	-
Telephone and telegraph apparatus .....	3661	12.13	12.10	12.35	12.23	-	498.54	493.68	521.17	513.66	-
Electronic components and accessories .....	367	10.50	10.52	10.99	11.02	-	411.60	421.85	449.49	446.31	-
Electron tubes .....	3671	12.26	12.24	12.52	12.47	-	487.95	507.96	508.31	496.31	-
Semiconductors and related devices .....	3674	12.78	12.82	13.95	13.88	-	513.76	521.77	588.69	589.90	-
Electronic components, nec .....	3679	9.58	9.67	9.67	9.64	-	364.04	375.20	382.93	374.03	-
Misc. electrical equipment and supplies .....	369	11.78	11.86	12.12	12.01	-	487.69	495.75	511.46	492.41	-
Storage batteries .....	3691	13.00	13.20	12.88	13.09	-	539.50	595.32	557.70	545.85	-
Engine electrical equipment .....	3694	12.36	12.31	12.68	12.40	-	512.94	501.02	537.63	504.68	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	41.6	41.8	42.4	41.0	41.7	4.0	4.1	4.2	3.4	-
Motor vehicles and equipment .....	371	42.6	42.5	43.6	41.7	42.5	4.5	4.6	5.0	3.7	-
Motor vehicles and car bodies .....	3711	42.8	42.0	42.7	40.9	-	4.6	4.4	4.0	2.5	-
Truck and bus bodies .....	3713	41.7	42.6	43.1	42.9	-	3.5	4.0	4.5	4.8	-
Motor vehicle parts and accessories .....	3714	42.7	43.0	44.5	42.3	-	4.6	4.9	5.9	4.6	-
Truck trailers .....	3715	40.4	40.9	42.3	41.3	-	2.6	3.0	4.7	3.9	-
Aircraft and parts .....	372	40.6	41.3	41.7	40.5	-	3.7	4.0	3.6	3.4	-
Aircraft .....	3721	40.1	41.0	41.5	40.2	-	3.9	4.0	3.6	3.4	-
Aircraft engines and engine parts .....	3724	42.0	42.4	42.7	41.9	-	4.3	4.7	4.6	4.4	-
Aircraft parts and equipment, nec .....	3728	40.3	40.9	41.2	40.1	-	3.0	3.6	2.9	2.6	-
Ship and boat building and repairing .....	373	40.7	39.7	40.0	39.6	-	3.2	2.9	3.0	2.8	-
Ship building and repairing .....	3731	42.1	40.2	40.1	39.7	-	3.5	2.9	3.2	2.9	-
Boat building and repairing .....	3732	36.9	38.5	39.6	39.2	-	2.2	2.7	2.5	2.5	-
Railroad equipment .....	374	41.9	40.8	40.0	41.6	-	2.3	2.1	1.7	3.5	-
Guided missiles, space vehicles, and parts .....	376	41.4	42.6	41.2	39.9	-	4.3	4.3	3.2	2.5	-
Guided missiles and space vehicles .....	3761	41.6	43.2	41.1	39.6	-	5.1	5.0	3.6	2.7	-
Misc. transportation equipment .....	379	38.3	39.7	38.8	39.1	-	2.2	2.4	2.6	2.3	-
Travel trailers and campers .....	3792	38.1	39.0	37.6	38.4	-	2.1	2.2	1.8	2.1	-
Instruments and related products .....	38	40.1	40.7	41.3	40.2	40.4	2.4	2.9	2.8	2.5	-
Search and navigation equipment .....	381	39.7	40.1	40.8	40.1	-	2.0	2.4	2.1	2.0	-
Measuring and controlling devices .....	382	39.7	40.4	41.1	40.1	-	2.0	2.4	2.6	2.3	-
Environmental controls .....	3822	38.9	40.5	40.3	39.1	-	2.0	2.8	2.6	2.2	-
Process control instruments .....	3823	39.7	40.9	40.8	40.8	-	2.3	2.7	2.5	2.5	-
Instruments to measure electricity .....	3825	38.3	39.0	40.9	39.1	-	1.3	1.9	2.1	1.7	-
Medical instruments and supplies .....	384	40.6	41.2	41.5	39.8	-	2.8	3.4	3.2	2.7	-
Surgical and medical instruments .....	3841	40.5	41.2	42.1	39.1	-	2.6	3.5	3.5	2.4	-
Surgical appliances and supplies .....	3842	40.5	41.2	40.4	39.8	-	2.6	3.1	2.8	2.9	-
Ophthalmic goods .....	385	39.3	40.5	39.3	38.8	-	2.1	3.1	2.4	2.2	-
Photographic equipment and supplies .....	386	41.5	42.1	43.8	42.8	-	3.5	3.8	4.3	3.8	-
Watches, clocks, watchcases, and parts .....	387	35.1	38.5	39.6	39.2	-	1.6	1.7	1.7	1.1	-
Miscellaneous manufacturing industries .....	39	38.8	40.1	40.0	39.3	39.9	2.2	2.9	2.6	2.4	-
Jewelry, silverware, and plated ware .....	391	37.2	38.9	38.5	36.6	-	1.1	2.1	1.6	1.0	-
Jewelry, precious metal .....	3911	36.9	38.5	38.2	35.8	-	1.2	2.2	1.5	.9	-
Musical instruments .....	393	37.6	38.9	40.2	38.3	-	1.3	1.8	2.3	1.4	-
Toys and sporting goods .....	394	39.2	40.8	39.8	39.8	-	2.6	3.3	2.8	2.6	-
Dolls, games, toys, and children's vehicles .....	3942,4	38.3	40.1	38.8	39.5	-	2.3	3.1	2.1	2.5	-
Sporting and athletic goods, nec .....	3949	39.7	41.2	40.5	40.0	-	2.8	3.4	3.2	2.7	-
Pens, pencils, office, and art supplies .....	395	41.1	41.0	41.3	40.3	-	3.0	3.0	3.0	3.0	-
Costume jewelry and notions .....	396	38.4	40.4	41.2	39.9	-	1.5	3.0	2.9	2.3	-
Costume jewelry .....	3961	37.6	40.7	41.0	39.7	-	1.0	3.3	2.1	1.9	-
Miscellaneous manufactures .....	399	38.7	39.8	40.0	39.6	-	2.4	2.9	2.8	2.8	-
Signs and advertising specialties .....	3993	38.9	39.7	39.8	39.8	-	2.6	3.1	2.9	3.2	-
<b>Nondurable goods</b> .....		39.9	40.5	40.5	40.1	40.6	3.7	4.1	3.9	3.8	4.2
Food and kindred products .....	20	40.4	41.1	40.3	40.1	41.2	4.7	5.2	4.4	4.5	-
Meat products .....	201	39.7	40.2	39.8	39.3	-	3.8	4.0	3.9	3.7	-
Meat packing plants .....	2011	40.1	41.2	40.3	39.9	-	4.0	4.4	4.3	3.9	-
Sausages and other prepared meats .....	2013	40.9	42.0	41.6	41.5	-	4.4	5.0	5.0	4.8	-
Poultry slaughtering and processing .....	2015	38.9	38.9	38.8	38.1	-	3.6	3.3	3.3	3.1	-
Dairy products .....	202	41.5	41.0	41.7	41.8	-	4.9	4.4	4.6	4.7	-
Cheese, natural and processed .....	2022	40.0	39.6	39.7	40.2	-	3.7	3.6	3.5	3.7	-
Fluid milk .....	2026	42.5	42.2	42.6	42.7	-	4.9	4.6	4.5	4.7	-
Preserved fruits and vegetables .....	203	39.5	42.0	39.1	39.3	-	5.2	6.9	4.3	5.2	-
Canned specialties .....	2032	43.1	44.8	45.1	44.0	-	5.8	8.3	7.5	6.9	-
Canned fruits and vegetables .....	2033	38.8	42.6	37.4	39.5	-	5.7	8.0	3.9	6.1	-
Frozen fruits and vegetables .....	2037	38.8	41.1	38.9	39.2	-	5.1	6.3	3.8	4.6	-
Grain mill products .....	204	44.6	45.1	44.0	44.0	-	6.7	7.0	6.3	6.7	-
Flour and other grain mill products .....	2041	47.5	47.9	47.0	46.9	-	7.6	7.7	6.1	6.2	-
Prepared feeds, nec .....	2048	43.2	42.9	43.5	44.8	-	6.1	6.0	5.9	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 workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	\$14.84	\$14.77	\$15.18	\$15.11	\$15.25	\$617.34	\$617.39	\$643.63	\$619.51	\$635.93
Motor vehicles and equipment .....	371	15.40	15.18	15.44	15.27	15.43	656.04	645.15	673.18	636.76	655.78
Motor vehicles and car bodies .....	3711	18.56	18.30	18.42	18.14	-	794.37	768.60	786.53	741.93	-
Truck and bus bodies .....	3713	13.22	13.16	13.60	13.93	-	551.27	560.62	586.16	597.60	-
Motor vehicle parts and accessories .....	3714	13.75	13.58	14.09	13.95	-	587.13	583.94	627.01	590.09	-
Truck trailers .....	3715	9.82	9.78	9.79	9.87	-	396.73	400.00	414.12	407.63	-
Aircraft and parts .....	372	15.58	15.73	16.54	16.57	-	632.55	649.65	689.72	671.09	-
Aircraft .....	3721	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	-	-	-	-	-	-
Aircraft engines and engine parts .....	3724	\$15.29	\$15.46	\$16.31	\$16.46	-	\$642.18	\$655.50	\$696.44	\$689.67	-
Aircraft parts and equipment, nec .....	3728	14.07	14.16	14.94	14.92	-	567.02	579.14	615.53	598.29	-
Ship and boat building and repairing .....	373	11.58	11.49	11.88	11.94	-	471.31	456.15	475.20	472.82	-
Ship building and repairing .....	3731	12.33	12.27	12.84	12.91	-	519.09	493.25	514.88	512.53	-
Boat building and repairing .....	3732	9.37	9.38	9.53	9.57	-	345.75	361.13	377.39	375.14	-
Railroad equipment .....	374	14.13	14.02	13.96	14.41	-	592.05	572.02	558.40	599.46	-
Guided missiles, space vehicles, and parts .....	376	14.82	14.96	15.79	16.07	-	613.55	637.30	650.55	641.19	-
Guided missiles and space vehicles .....	3761	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	-	-	-	-	-	-
Misc. transportation equipment .....	379	\$10.78	\$10.72	\$10.80	\$10.89	-	\$412.87	\$425.58	\$419.04	\$425.80	-
Travel trailers and campers .....	3792	9.48	9.59	9.91	10.00	-	361.19	374.01	372.62	384.00	-
Instruments and related products .....	38	11.65	11.60	11.90	11.93	\$11.92	467.17	472.12	491.47	479.59	\$481.57
Search and navigation equipment .....	381	15.17	15.15	15.55	15.60	-	602.25	607.52	634.44	625.56	-
Measuring and controlling devices .....	382	11.19	11.12	11.48	11.57	-	444.24	449.25	471.83	463.96	-
Environmental controls .....	3822	9.60	9.70	10.02	10.00	-	373.44	392.85	403.81	391.00	-
Process control instruments .....	3823	10.95	10.88	11.46	11.48	-	434.72	444.99	467.57	468.38	-
Instruments to measure electricity .....	3825	11.55	11.46	11.84	12.13	-	442.37	446.94	484.26	474.28	-
Medical instruments and supplies .....	384	10.15	10.11	10.47	10.39	-	412.09	416.53	434.51	413.52	-
Surgical and medical instruments .....	3841	10.09	9.99	10.69	10.40	-	408.65	411.59	450.05	406.64	-
Surgical appliances and supplies .....	3842	9.82	9.82	9.92	9.99	-	397.71	404.58	400.77	397.60	-
Ophthalmic goods .....	385	8.52	8.55	8.53	8.46	-	334.84	346.28	335.23	328.25	-
Photographic equipment and supplies .....	386	14.45	14.54	14.78	14.95	-	599.68	612.13	647.36	639.86	-
Watches, clocks, watchcases, and parts .....	387	7.92	7.98	8.05	8.15	-	277.99	307.23	318.78	319.48	-
Miscellaneous manufacturing industries .....	39	8.83	8.85	9.12	9.12	9.08	342.60	354.89	364.80	358.42	362.29
Jewelry, silverware, and plated ware .....	391	9.37	9.51	9.45	9.51	-	348.56	369.94	363.83	348.07	-
Jewelry, precious metal .....	3911	9.28	9.49	9.39	9.47	-	342.43	365.37	358.70	339.03	-
Musical instruments .....	393	8.83	8.89	8.86	8.93	-	332.01	345.82	356.17	342.02	-
Toys and sporting goods .....	394	8.16	8.17	8.50	8.46	-	319.87	333.34	338.30	336.71	-
Dolls, games, toys, and children's vehicles .....	3942,4	7.89	7.87	8.12	8.13	-	302.19	315.59	315.06	321.14	-
Sporting and athletic goods, nec .....	3949	8.34	8.38	8.74	8.68	-	331.10	345.26	353.97	347.20	-
Pens, pencils, office, and art supplies .....	395	9.37	9.39	9.91	10.04	-	385.11	384.99	409.28	404.61	-
Costume jewelry and notions .....	396	7.77	7.57	7.90	7.93	-	298.37	305.83	325.48	316.41	-
Costume jewelry .....	3961	6.89	6.74	6.92	7.02	-	259.06	274.32	283.72	278.69	-
Miscellaneous manufactures .....	399	9.27	9.31	9.59	9.57	-	358.75	370.54	383.60	378.97	-
Signs and advertising specialties .....	3993	9.86	9.93	9.83	9.79	-	383.55	394.22	391.23	389.64	-
<b>Nondurable goods .....</b>		<b>10.47</b>	<b>10.42</b>	<b>10.69</b>	<b>10.74</b>	<b>10.69</b>	<b>417.75</b>	<b>422.01</b>	<b>432.95</b>	<b>430.67</b>	<b>434.01</b>
Food and kindred products .....	20	9.90	9.84	10.21	10.18	10.13	399.96	404.42	411.46	408.22	417.36
Meat products .....	201	8.09	8.08	8.30	8.28	-	321.17	324.82	330.34	325.40	-
Meat packing plants .....	2011	8.90	8.89	9.14	9.07	-	356.89	366.27	368.34	361.89	-
Sausages and other prepared meats .....	2013	9.39	9.36	9.58	9.62	-	384.05	393.12	398.53	399.23	-
Poultry slaughtering and processing .....	2015	7.06	7.03	7.23	7.24	-	274.63	273.47	280.52	275.84	-
Dairy products .....	202	10.83	10.80	11.26	11.29	-	449.45	442.80	469.54	471.92	-
Cheese, natural and processed .....	2022	9.82	9.81	10.17	10.21	-	392.80	388.48	403.75	410.44	-
Fluid milk .....	2026	11.47	11.38	11.92	12.02	-	487.48	480.24	507.79	513.25	-
Preserved fruits and vegetables .....	203	9.40	9.30	9.75	9.73	-	371.30	390.60	381.23	382.39	-
Canned specialties .....	2032	12.32	12.13	13.09	12.95	-	530.99	543.42	590.36	569.80	-
Canned fruits and vegetables .....	2033	9.59	9.55	10.18	10.24	-	372.09	406.83	380.73	404.48	-
Frozen fruits and vegetables .....	2037	8.61	8.11	8.64	8.43	-	334.07	333.32	336.10	330.46	-
Grain mill products .....	204	11.83	11.84	12.20	12.18	-	527.62	533.98	536.80	535.92	-
Flour and other grain mill products .....	2041	10.76	10.65	11.05	10.97	-	511.10	510.14	519.35	514.49	-
Prepared feeds, nec .....	2048	9.51	9.57	9.73	9.78	-	410.83	410.55	423.26	438.14	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Food and kindred products—Continued											
Bakery products .....	205	38.9	39.3	39.6	39.4	-	4.1	4.2	4.1	4.3	-
Bread, cake, and related products .....	2051	39.2	39.0	39.2	39.4	-	4.4	4.4	4.4	4.4	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	38.4	40.0	40.4	39.5	-	3.4	3.7	3.4	4.1	-
Sugar and confectionery products .....	206	39.5	40.6	40.0	40.0	-	3.5	4.1	3.3	3.5	-
Raw cane sugar .....	2061	43.9	44.7	40.1	38.2	-	4.4	4.9	4.1	4.0	-
Cane sugar refining .....	2062	46.5	46.7	44.8	46.0	-	9.2	9.5	6.9	7.4	-
Beet sugar .....	2063	40.9	43.5	41.5	42.1	-	3.6	4.8	3.6	3.7	-
Candy and other confectionery products .....	2064	38.2	39.0	38.5	38.3	-	2.8	3.3	2.7	2.8	-
Fats and oils .....	207	44.0	42.6	43.5	43.3	-	5.8	6.0	5.5	5.5	-
Beverages .....	208	42.7	42.2	42.7	42.1	-	6.0	5.5	5.5	5.2	-
Malt beverages .....	2082	44.5	43.9	43.7	43.2	-	9.3	8.4	7.6	7.1	-
Bottled and canned soft drinks .....	2086	42.7	42.0	42.6	42.0	-	5.8	5.3	5.5	5.2	-
Misc. food and kindred products .....	209	40.3	40.6	39.2	39.2	-	5.4	5.4	4.2	4.5	-
Tobacco products .....	21	38.4	39.3	39.5	37.9	39.5	2.0	1.7	2.6	2.8	-
Cigarettes .....	211	38.3	39.6	39.3	37.8	-	2.0	1.4	2.8	3.1	-
Textile mill products .....	22	40.6	41.8	41.8	40.8	41.3	4.2	4.9	4.7	4.4	-
Broadwoven fabric mills, cotton .....	221	39.5	41.6	42.3	41.5	-	4.6	5.7	6.4	6.2	-
Broadwoven fabric mills, synthetics .....	222	40.4	41.7	41.6	41.4	-	3.7	4.8	4.1	4.2	-
Broadwoven fabric mills, wool .....	223	42.9	43.8	43.3	41.6	-	5.3	6.3	6.1	7.3	-
Narrow fabric mills .....	224	40.0	41.3	40.6	39.0	-	2.8	3.9	3.5	2.8	-
Knitting mills .....	225	39.7	40.6	40.6	39.5	-	3.8	4.1	3.8	3.4	-
Women's hosiery, except socks .....	2251	38.5	38.5	39.4	37.3	-	3.0	3.2	3.1	2.7	-
Hosiery, nec .....	2252	39.7	39.9	39.6	38.1	-	3.4	3.2	3.3	2.9	-
Knit outerwear mills .....	2253	39.1	40.9	40.6	40.7	-	4.2	4.6	4.0	4.0	-
Knit underwear mills .....	2254	37.9	38.3	40.0	38.4	-	2.1	2.3	2.4	2.1	-
Weft knit fabric mills .....	2257	41.7	43.3	41.5	40.5	-	4.8	5.7	4.8	4.0	-
Textile finishing, except wool .....	226	43.2	44.9	44.0	42.6	-	6.1	7.5	6.3	5.3	-
Finishing plants, cotton .....	2261	43.1	45.6	43.4	42.6	-	6.5	8.1	6.0	4.9	-
Finishing plants, synthetics .....	2262	43.9	44.8	43.9	42.2	-	6.4	7.7	6.5	5.4	-
Carpets and rugs .....	227	43.3	44.0	43.0	41.8	-	5.1	5.2	5.0	5.2	-
Yarn and thread mills .....	228	40.2	41.1	41.6	40.5	-	4.0	4.2	4.4	4.0	-
Yarn spinning mills .....	2281	40.8	41.6	42.1	41.2	-	4.1	4.5	4.6	4.3	-
Throwing and winding mills .....	2282	35.7	37.0	37.8	36.8	-	2.4	2.0	2.8	2.0	-
Miscellaneous textile goods .....	229	40.8	42.3	43.2	41.5	-	3.2	4.1	4.7	3.8	-
Apparel and other textile products .....	23	36.8	37.4	37.5	37.0	37.4	1.7	2.0	2.0	1.7	-
Men's and boys' suits and coats .....	231	36.9	37.0	37.0	37.1	-	1.1	1.0	.9	.8	-
Men's and boys' furnishings .....	232	36.8	37.3	37.5	36.9	-	1.5	1.8	1.8	1.6	-
Men's and boys' shirts .....	2321	36.6	37.0	38.0	37.0	-	1.4	1.7	1.7	1.3	-
Men's and boys' trousers and slacks .....	2325	36.4	36.6	36.8	37.1	-	1.5	1.7	1.7	1.7	-
Men's and boys' work clothing .....	2326	37.4	37.4	36.4	35.5	-	1.3	1.7	1.8	1.2	-
Women's and misses' outerwear .....	233	35.7	36.0	36.5	36.1	-	1.7	1.7	1.8	1.5	-
Women's and misses' blouses and shirts .....	2331	35.4	36.1	36.2	35.7	-	.9	1.0	1.1	1.0	-
Women's, juniors', and misses' dresses .....	2335	34.9	35.3	36.4	35.9	-	2.0	1.8	2.1	1.7	-
Women's and misses' suits and coats .....	2337	35.4	35.5	36.1	36.2	-	1.5	1.7	1.8	1.9	-
Women's and misses' outerwear, nec .....	2339	36.2	36.2	36.6	36.3	-	1.8	1.8	1.9	1.5	-
Women's and children's undergarments .....	234	37.1	38.8	37.9	37.5	-	1.5	2.1	2.0	1.8	-
Women's and children's underwear .....	2341	37.4	39.4	38.4	38.1	-	1.5	2.2	2.0	1.8	-
Brassieres, girdles, and allied garments .....	2342	35.4	35.4	35.6	34.7	-	1.8	1.4	2.0	1.9	-
Girls' and children's outerwear .....	236	37.5	37.5	37.6	37.0	-	1.9	2.1	2.0	1.8	-
Girls' and children's dresses and blouses .....	2361	37.4	37.8	36.9	36.9	-	2.0	2.2	1.8	1.8	-
Misc. apparel and accessories .....	238	36.7	37.5	37.8	37.2	-	1.2	1.7	1.8	1.3	-
Misc. fabricated textile products .....	239	38.1	39.5	39.2	38.1	-	2.3	2.9	2.9	2.1	-
Curtains and draperies .....	2391	35.3	37.2	36.8	35.1	-	1.1	1.4	1.7	1.5	-
House furnishings, nec .....	2392	37.1	38.8	38.6	38.2	-	1.8	3.0	2.6	2.4	-
Automotive and apparel trimmings .....	2396	39.8	40.9	40.9	38.7	-	3.1	3.6	4.0	1.9	-
Paper and allied products .....	26	43.2	43.3	43.7	43.3	43.5	5.1	5.2	5.2	5.4	-
Paper mills .....	262	44.6	44.3	45.5	45.2	-	5.6	5.5	6.0	6.5	-
Paperboard mills .....	263	45.1	45.1	45.6	44.4	-	6.8	7.0	7.1	7.2	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Food and kindred products—Continued											
Bakery products .....	205	\$11.24	\$11.19	\$11.48	\$11.54	-	\$437.24	\$439.77	\$454.61	\$454.68	-
Bread, cake, and related products .....	2051	11.30	11.23	11.44	11.49	-	442.96	437.97	448.45	452.71	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	11.11	11.10	11.56	11.65	-	426.62	444.00	467.02	460.18	-
Sugar and confectionery products .....	206	11.07	10.90	11.27	11.42	-	437.27	442.54	450.80	456.80	-
Raw cane sugar .....	2061	10.09	10.44	10.58	10.76	-	442.95	466.67	424.26	411.03	-
Cane sugar refining .....	2062	14.52	14.51	15.23	15.11	-	675.18	677.62	682.30	695.06	-
Beet sugar .....	2063	11.67	11.87	12.14	12.14	-	477.30	516.35	503.81	511.09	-
Candy and other confectionery products .....	2064	10.22	9.83	10.31	10.44	-	390.40	383.37	396.94	399.85	-
Fats and oils .....	207	10.37	10.42	10.86	11.00	-	456.28	443.89	472.41	476.30	-
Beverages .....	208	13.89	13.87	14.24	14.27	-	593.10	585.31	608.05	600.77	-
Malt beverages .....	2082	19.38	19.27	19.65	19.69	-	862.41	845.95	858.71	850.61	-
Bottled and canned soft drinks .....	2086	11.17	11.18	11.70	11.77	-	476.96	469.56	498.42	494.34	-
Misc. food and kindred products .....	209	9.01	9.07	9.36	9.21	-	363.10	368.24	366.91	361.03	-
Tobacco products .....	21	18.16	16.32	18.13	18.44	\$17.18	697.34	641.38	716.14	698.88	\$678.61
Cigarettes .....	211	20.58	20.32	20.70	21.14	-	788.21	804.67	813.51	799.09	-
Textile mill products .....	22	8.27	8.36	8.60	8.59	8.61	335.76	349.45	359.48	350.47	355.59
Broadwoven fabric mills, cotton .....	221	8.58	8.63	8.99	8.97	-	338.91	359.01	380.28	372.26	-
Broadwoven fabric mills, synthetics .....	222	8.83	8.95	9.19	9.28	-	356.73	373.22	382.30	384.19	-
Broadwoven fabric mills, wool .....	223	8.82	9.07	9.19	9.07	-	378.38	397.27	397.93	377.31	-
Narrow fabric mills .....	224	7.84	7.88	8.15	8.19	-	313.60	325.44	330.89	319.41	-
Knitting mills .....	225	7.62	7.74	7.87	7.86	-	302.51	314.24	319.52	310.47	-
Women's hosiery, except socks .....	2251	7.08	7.30	7.42	7.40	-	272.58	281.05	292.35	276.02	-
Hosiery, nec .....	2252	7.32	7.31	7.51	7.51	-	290.60	291.67	297.40	286.13	-
Knit outerwear mills .....	2253	7.56	7.65	7.61	7.64	-	295.60	312.89	308.97	310.95	-
Knit underwear mills .....	2254	7.53	7.64	7.67	7.67	-	285.39	292.61	306.80	294.53	-
Weft knit fabric mills .....	2257	8.27	8.45	8.81	8.79	-	344.86	365.89	365.62	356.00	-
Textile finishing, except wool .....	226	8.74	8.77	9.04	8.89	-	377.57	393.77	397.76	378.71	-
Finishing plants, cotton .....	2261	8.73	8.78	8.96	8.88	-	376.26	400.37	388.86	378.29	-
Finishing plants, synthetics .....	2262	9.10	9.10	9.48	9.18	-	399.49	407.68	416.17	387.40	-
Carpets and rugs .....	227	8.46	8.46	8.60	8.69	-	366.32	372.24	369.80	363.24	-
Yarn and thread mills .....	228	7.88	8.01	8.27	8.28	-	316.78	329.21	344.03	335.34	-
Yarn spinning mills .....	2281	7.88	8.02	8.23	8.25	-	321.50	333.63	346.48	339.90	-
Throwing and winding mills .....	2282	7.99	8.18	8.64	8.66	-	285.24	302.66	326.59	318.69	-
Miscellaneous textile goods .....	229	9.60	9.65	10.05	10.06	-	391.68	408.20	434.16	417.49	-
Apparel and other textile products .....	23	6.80	6.82	6.97	6.94	6.99	250.24	255.07	261.38	256.78	261.43
Men's and boys' suits and coats .....	231	7.48	7.41	7.49	7.63	-	276.01	274.17	277.13	283.07	-
Men's and boys' furnishings .....	232	6.30	6.32	6.51	6.49	-	231.84	235.74	244.13	239.48	-
Men's and boys' shirts .....	2321	6.18	6.23	6.48	6.50	-	226.19	230.51	246.24	240.50	-
Men's and boys' trousers and slacks .....	2325	6.22	6.19	6.34	6.28	-	226.41	226.55	233.31	232.99	-
Men's and boys' work clothing .....	2326	6.14	6.17	6.34	6.30	-	229.64	230.76	230.78	223.65	-
Women's and misses' outerwear .....	233	6.52	6.50	6.58	6.57	-	232.76	234.00	240.17	237.18	-
Women's and misses' blouses and shirts .....	2331	5.78	5.84	5.83	5.88	-	204.61	210.82	211.05	209.92	-
Women's, juniors', and misses' dresses .....	2335	6.92	6.85	7.05	7.07	-	241.51	241.81	256.62	253.81	-
Women's and misses' suits and coats .....	2337	7.09	7.16	7.10	7.06	-	250.99	254.18	256.31	255.57	-
Women's and misses' outerwear, nec .....	2339	6.42	6.39	6.49	6.47	-	232.40	231.32	237.53	234.86	-
Women's and children's undergarments .....	234	6.51	6.52	6.64	6.65	-	241.52	252.98	251.66	249.38	-
Women's and children's underwear .....	2341	6.40	6.40	6.44	6.47	-	239.36	252.16	247.30	246.51	-
Brassieres, girdles, and allied garments .....	2342	7.20	7.27	7.72	7.60	-	254.88	257.36	274.83	263.72	-
Girls' and children's outerwear .....	236	6.13	6.17	6.29	6.30	-	229.88	231.38	236.50	233.10	-
Girls' and children's dresses and blouses .....	2361	5.94	6.02	6.14	6.21	-	222.16	227.56	226.57	229.15	-
Misc. apparel and accessories .....	238	6.53	6.56	6.79	6.79	-	239.65	246.00	256.66	252.59	-
Misc. fabricated textile products .....	239	8.07	8.12	8.37	8.26	-	307.47	320.74	328.10	314.71	-
Curtains and draperies .....	2391	6.69	6.81	7.05	7.09	-	236.16	253.33	259.44	248.86	-
House furnishings, nec .....	2392	6.87	6.94	7.09	7.06	-	254.88	269.27	273.67	269.69	-
Automotive and apparel trimmings .....	2396	10.79	10.85	11.03	10.77	-	429.44	443.77	451.13	416.80	-
Paper and allied products .....	26	12.81	12.75	13.03	13.14	13.09	553.39	552.08	569.41	568.96	569.42
Paper mills .....	262	15.71	15.69	15.91	16.21	-	700.67	695.07	723.91	732.69	-
Paperboard mills .....	263	15.62	15.73	16.19	16.31	-	704.46	709.42	738.26	724.16	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>2</sup>	Aug. 1992 <sup>2</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>2</sup>	Aug. 1992 <sup>2</sup>
<b>Nondurable goods—Continued</b>											
Paper and allied products—Continued											
Paperboard containers and boxes .....	265	42.9	43.2	43.4	42.5	-	5.1	5.2	5.1	5.0	-
Corrugated and solid fiber boxes .....	2653	43.5	44.2	44.1	43.1	-	5.6	6.0	5.5	5.2	-
Sanitary food containers .....	2656	44.8	44.0	44.9	43.1	-	5.5	4.6	6.3	5.6	-
Folding paperboard boxes .....	2657	41.9	41.8	42.5	42.0	-	4.7	4.5	4.8	5.2	-
Misc. converted paper products .....	267	41.8	42.1	42.2	42.3	-	4.1	4.3	4.2	4.5	-
Paper, coated and laminated, nec .....	2672	43.0	42.6	42.0	43.5	-	4.1	3.6	3.5	4.1	-
Bags: plastics, laminated, and coated .....	2673	41.1	41.2	41.8	42.1	-	4.4	4.6	4.7	5.3	-
Envelopes .....	2677	40.6	41.6	41.0	40.9	-	3.2	3.6	2.8	3.4	-
Printing and publishing .....	27	37.3	38.0	37.7	37.8	38.5	2.5	3.0	2.5	2.8	-
Newspapers .....	271	32.5	32.8	32.9	32.5	-	.9	1.0	1.0	1.0	-
Periodicals .....	272	37.4	38.3	37.2	37.3	-	2.6	3.2	2.4	2.6	-
Books .....	273	38.7	39.5	39.3	39.7	-	2.9	3.6	2.8	3.2	-
Book publishing .....	2731	38.6	39.6	38.1	37.8	-	1.7	2.3	1.4	1.5	-
Book printing .....	2732	38.9	39.5	40.8	42.1	-	4.4	5.2	4.6	5.3	-
Miscellaneous publishing .....	274	35.8	36.4	34.9	35.3	-	1.4	1.8	1.1	1.3	-
Commercial printing .....	275	38.6	39.6	39.0	39.4	-	2.9	3.7	3.1	3.5	-
Commercial printing, lithographic .....	2752	38.3	39.4	39.0	39.3	-	2.8	3.6	3.0	3.4	-
Commercial printing, nec .....	2759	38.8	39.4	38.9	39.0	-	2.9	3.5	3.0	3.4	-
Manifold business forms .....	276	41.6	41.6	41.5	41.3	-	4.2	4.1	3.7	3.7	-
Blankbooks and bookbinding .....	278	37.6	38.0	38.1	38.0	-	2.4	2.5	2.1	2.1	-
Printing trade services .....	279	39.0	39.5	39.6	39.5	-	3.9	4.3	4.0	4.3	-
Chemicals and allied products .....	28	42.3	42.7	43.2	42.6	42.8	4.5	4.6	5.0	4.8	-
Industrial inorganic chemicals .....	281	43.6	43.3	43.1	43.3	-	4.9	4.7	4.9	5.1	-
Industrial inorganic chemicals, nec .....	2819	43.6	43.3	43.0	43.3	-	4.7	4.6	5.0	5.3	-
Plastics materials and synthetics .....	282	42.2	42.6	44.1	43.0	-	5.1	5.4	6.0	5.6	-
Plastics materials and resins .....	2821	43.4	43.5	44.7	43.9	-	5.9	6.0	6.5	6.0	-
Organic fibers, noncellulosic .....	2824	41.2	41.6	43.7	41.8	-	4.3	4.6	5.2	4.6	-
Drugs .....	283	41.1	42.4	42.1	41.4	-	3.6	4.0	4.1	3.6	-
Pharmaceutical preparations .....	2834	40.9	42.4	41.9	41.1	-	3.5	3.9	4.1	3.6	-
Soap, cleaners, and toilet goods .....	284	40.3	41.2	41.5	40.6	-	3.1	3.8	3.9	3.8	-
Soap and other detergents .....	2841	41.1	42.2	42.6	41.9	-	4.7	5.6	5.2	5.2	-
Polishing, sanitation, and finishing preparations .....	2842,3	41.4	42.4	41.9	41.7	-	3.8	4.5	4.3	3.8	-
Toilet preparations .....	2844	39.1	40.0	40.5	39.2	-	1.6	2.4	3.0	2.9	-
Paints and allied products .....	285	42.4	41.8	42.3	41.3	-	4.5	3.8	4.4	3.8	-
Industrial organic chemicals .....	286	45.3	44.9	45.7	45.5	-	6.1	5.4	6.4	6.7	-
Cyclic crudes and intermediates .....	2865	45.2	45.0	45.6	44.5	-	6.1	6.6	6.8	7.0	-
Industrial organic chemicals, nec .....	2869	45.5	44.9	45.8	45.9	-	6.2	5.2	6.4	6.7	-
Agricultural chemicals .....	287	43.4	43.8	44.4	44.6	-	5.1	5.5	5.8	5.6	-
Miscellaneous chemical products .....	289	41.5	42.3	43.0	42.6	-	4.1	4.4	4.4	4.5	-
Petroleum and coal products .....	29	43.9	43.6	43.6	43.5	43.1	6.3	6.1	6.1	6.0	-
Petroleum refining .....	291	43.5	43.0	43.1	42.9	-	5.8	5.4	5.5	5.2	-
Asphalt paving and roofing materials .....	295	46.5	47.1	46.4	46.4	-	8.8	9.4	8.9	9.5	-
Rubber and misc. plastics products .....	30	40.5	41.2	42.1	41.2	41.6	3.7	3.9	4.3	4.0	-
Tires and inner tubes .....	301	39.9	42.0	45.1	43.5	-	4.7	5.0	6.7	6.5	-
Rubber and plastics footwear .....	302	44.1	43.1	42.0	42.4	-	4.7	3.7	2.6	3.4	-
Hose, belting, gaskets, and packing .....	305	40.2	41.5	42.3	41.2	-	3.5	3.9	4.2	3.9	-
Rubber and plastics hose and belting .....	3052	41.1	42.5	43.3	42.4	-	3.2	3.7	4.5	4.7	-
Fabricated rubber products, nec .....	306	40.1	40.7	42.1	41.3	-	2.8	3.1	4.0	3.4	-
Miscellaneous plastics products, nec .....	308	40.6	41.1	41.7	40.8	-	3.7	3.8	4.2	3.8	-
Leather and leather products .....	31	37.7	37.8	38.8	38.5	38.1	1.8	2.1	2.5	2.1	-
Leather tanning and finishing .....	311	42.3	41.8	44.1	41.6	-	4.0	4.3	5.6	4.3	-
Footwear, except rubber .....	314	36.6	36.6	37.7	38.6	-	1.4	1.6	1.9	1.8	-
Men's footwear, except athletic .....	3143	35.4	37.0	38.2	38.2	-	1.5	1.9	2.4	2.1	-
Women's footwear, except athletic .....	3144	37.6	36.0	37.0	39.4	-	1.2	1.4	1.4	1.4	-
Luggage .....	316	39.7	41.1	38.8	33.7	-	2.5	3.0	3.1	1.3	-
Handbags and personal leather goods .....	317	36.9	37.9	38.2	37.7	-	1.0	1.6	1.3	1.3	-
<b>Transportation and public utilities .....</b>		<b>38.9</b>	<b>38.9</b>	<b>38.9</b>	<b>39.1</b>	<b>39.4</b>	-	-	-	-	-
Railroad transportation:											
Class I railroads <sup>3</sup> .....	4011	47.4	45.3	43.1	43.2	-	-	-	-	-	-

See footnotes at end of table.



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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>2</sup>	Aug. 1992 <sup>2</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>2</sup>	Aug. 1992 <sup>2</sup>
<b>Nondurable goods—Continued</b>											
Paper and allied products—Continued											
Paperboard containers and boxes .....	265	\$10.80	\$10.81	\$11.01	\$10.98	-	\$463.32	\$466.99	\$477.83	\$466.65	-
Corrugated and solid fiber boxes .....	2653	10.91	10.94	11.11	11.06	-	474.59	483.55	489.95	476.69	-
Sanitary food containers .....	2656	10.66	10.69	10.94	10.97	-	477.57	470.36	491.21	472.81	-
Folding paperboard boxes .....	2657	11.08	11.14	11.51	11.58	-	464.25	465.65	489.18	486.36	-
Misc. converted paper products .....	267	11.18	11.10	11.43	11.48	-	467.32	467.31	482.35	485.60	-
Paper, coated and laminated, nec .....	2672	12.44	12.40	13.05	12.98	-	534.92	528.24	548.10	564.63	-
Bags: plastics, laminated, and coated .....	2673	10.59	10.43	10.71	10.88	-	435.25	429.72	447.68	458.05	-
Envelopes .....	2677	10.62	10.50	10.71	10.74	-	431.17	436.80	439.11	439.27	-
Printing and publishing .....	27	11.47	11.54	11.67	11.77	\$11.81	427.83	438.52	439.96	444.91	\$454.69
Newspapers .....	271	11.40	11.39	11.66	11.70	-	370.50	373.59	383.61	380.25	-
Periodicals .....	272	12.27	12.51	12.60	12.62	-	458.90	479.13	468.72	470.73	-
Books .....	273	10.30	10.53	10.52	10.64	-	398.61	415.94	413.44	422.41	-
Book publishing .....	2731	10.07	10.17	10.15	10.29	-	388.70	402.73	386.72	388.96	-
Book printing .....	2732	10.58	10.96	10.96	11.03	-	411.56	432.92	447.17	464.36	-
Miscellaneous publishing .....	274	10.60	10.58	11.10	11.14	-	379.48	385.11	387.39	393.24	-
Commercial printing .....	275	11.75	11.83	11.85	12.00	-	453.55	468.47	462.15	472.80	-
Commercial printing, lithographic .....	2752	11.75	11.83	11.87	12.03	-	450.03	466.10	462.93	472.78	-
Commercial printing, nec .....	2759	11.65	11.74	11.68	11.81	-	452.02	462.56	454.35	460.59	-
Manifold business forms .....	276	12.21	12.14	12.54	12.57	-	507.94	505.02	520.41	519.14	-
Blankbooks and bookbinding .....	278	9.01	9.03	9.11	9.10	-	338.78	343.14	347.09	345.80	-
Printing trade services .....	279	13.84	13.96	14.21	14.19	-	539.76	551.42	562.72	560.51	-
Chemicals and allied products .....	28	14.11	14.01	14.38	14.49	14.37	596.85	598.23	621.22	617.27	615.04
Industrial inorganic chemicals .....	281	15.08	15.06	15.58	15.74	-	657.49	652.10	671.50	681.54	-
Industrial inorganic chemicals, nec .....	2819	15.30	15.26	15.83	16.06	-	667.08	660.76	680.69	695.40	-
Plastics materials and synthetics .....	282	14.90	14.86	15.24	15.34	-	628.78	633.04	672.08	659.62	-
Plastics materials and resins .....	2821	15.44	15.36	15.84	15.83	-	670.10	668.16	708.05	694.94	-
Organic fibers, noncellulosic .....	2824	14.20	14.21	14.69	14.87	-	585.04	591.14	641.95	621.57	-
Drugs .....	283	13.45	13.47	13.99	14.05	-	552.80	571.13	588.98	581.67	-
Pharmaceutical preparations .....	2834	13.46	13.47	14.04	14.07	-	550.51	571.13	588.28	578.28	-
Soap, cleaners, and toilet goods .....	284	12.10	11.92	12.07	12.04	-	487.63	491.10	500.91	488.82	-
Soap and other detergents .....	2841	15.45	15.34	15.48	15.54	-	635.00	647.35	659.45	651.13	-
Polishing, sanitation, and finishing preparations .....	2842,3	10.66	10.68	10.94	10.85	-	441.32	452.83	458.39	452.45	-
Toilet preparations .....	2844	10.72	10.45	10.51	10.41	-	419.15	418.00	425.66	408.07	-
Paints and allied products .....	285	12.60	12.46	12.74	12.64	-	534.24	520.83	538.90	522.03	-
Industrial organic chemicals .....	286	16.68	16.52	17.14	17.36	-	755.60	741.75	783.30	789.88	-
Cyclic crudes and intermediates .....	2865	16.19	16.03	16.71	17.36	-	731.79	721.35	761.98	772.52	-
Industrial organic chemicals, nec .....	2869	16.97	16.81	17.48	17.59	-	772.14	754.77	800.58	807.38	-
Agricultural chemicals .....	287	14.29	14.30	14.47	14.71	-	620.19	626.34	642.47	656.07	-
Miscellaneous chemical products .....	289	12.68	12.69	13.02	13.26	-	526.22	536.79	559.86	564.88	-
Petroleum and coal products .....	29	16.87	16.80	17.62	17.73	17.45	740.59	732.48	768.23	771.26	752.10
Petroleum refining .....	291	18.48	18.34	19.35	19.43	-	803.88	788.62	833.99	833.55	-
Asphalt paving and roofing materials .....	295	12.83	13.06	13.18	13.54	-	596.60	615.13	611.55	628.26	-
Rubber and misc. plastics products .....	30	10.08	10.08	10.36	10.40	10.36	408.24	415.30	436.16	428.48	430.98
Tires and inner tubes .....	301	16.25	16.20	16.74	16.76	-	648.38	680.40	754.97	729.06	-
Rubber and plastics footwear .....	302	6.84	6.78	7.03	7.14	-	301.64	292.22	295.26	302.74	-
Hose, belting, gaskets, and packing .....	305	10.05	10.08	10.23	10.28	-	404.01	418.32	432.73	423.54	-
Rubber and plastics hose and belting .....	3052	10.27	10.32	10.29	10.33	-	422.10	438.60	445.56	437.99	-
Fabricated rubber products, nec .....	306	9.60	9.57	9.82	9.87	-	384.96	389.50	413.42	407.63	-
Miscellaneous plastics products, nec .....	308	9.47	9.46	9.65	9.69	-	384.48	388.81	402.41	395.35	-
Leather and leather products .....	31	7.12	7.11	7.41	7.30	7.35	268.42	268.76	287.51	281.05	280.04
Leather tanning and finishing .....	311	9.74	9.51	9.62	9.44	-	412.00	397.52	424.24	392.70	-
Footwear, except rubber .....	314	6.69	6.72	7.01	6.93	-	244.85	245.95	264.28	267.50	-
Men's footwear, except athletic .....	3143	7.26	7.27	7.63	7.59	-	257.00	268.99	291.47	289.94	-
Women's footwear, except athletic .....	3144	6.23	6.30	6.47	6.42	-	234.25	226.80	239.39	252.95	-
Luggage .....	316	7.12	6.93	7.59	7.36	-	282.66	284.82	294.49	248.03	-
Handbags and personal leather goods .....	317	6.31	6.32	6.52	6.50	-	232.84	239.53	249.06	245.05	-
<b>Transportation and public utilities .....</b>		<b>13.26</b>	<b>13.26</b>	<b>13.40</b>	<b>13.45</b>	<b>13.51</b>	<b>515.81</b>	<b>515.81</b>	<b>521.26</b>	<b>525.90</b>	<b>532.29</b>
Railroad transportation:											
Class I railroads <sup>3</sup> .....	4011	15.70	16.06	16.67	16.72	-	744.18	727.52	718.48	722.30	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Transportation and public utilities—Continued</b>											
Local and interurban passenger transit .....	41	35.5	35.1	33.9	35.9	-	-	-	-	-	-
Local and suburban transportation .....	411	38.0	37.6	38.1	38.9	-	-	-	-	-	-
Intercity and rural bus transportation .....	413	38.7	38.9	38.1	38.1	-	-	-	-	-	-
Trucking and warehousing .....	42	38.4	39.0	39.3	39.1	-	-	-	-	-	-
Trucking and courier services, except air .....	421	38.3	39.0	39.3	39.1	-	-	-	-	-	-
Public warehousing and storage .....	422	39.8	39.7	40.0	39.7	-	-	-	-	-	-
Water transportation:											
Water transportation services .....	449	34.6	34.4	34.9	34.3	-	-	-	-	-	-
Pipelines, except natural gas .....	46	41.2	41.7	40.6	40.6	-	-	-	-	-	-
Transportation services .....	47	36.4	36.4	36.9	36.6	-	-	-	-	-	-
Passenger transportation arrangement .....	472	35.6	35.8	36.8	36.3	-	-	-	-	-	-
Travel agencies .....	4724	35.5	35.8	36.9	36.3	-	-	-	-	-	-
Freight transportation arrangement .....	473	36.9	36.7	36.6	36.6	-	-	-	-	-	-
Communications .....	48	39.5	39.4	39.5	39.8	-	-	-	-	-	-
Telephone communications .....	481	41.1	40.9	41.1	41.4	-	-	-	-	-	-
Radio and television broadcasting .....	483	34.3	34.5	34.6	34.5	-	-	-	-	-	-
Cable and other pay television services .....	484	38.8	38.6	38.8	39.6	-	-	-	-	-	-
Electric, gas, and sanitary services .....	49	41.5	41.4	41.8	42.0	-	-	-	-	-	-
Electric services .....	491	41.3	41.2	41.9	42.0	-	-	-	-	-	-
Gas production and distribution .....	492	41.6	42.0	41.8	42.0	-	-	-	-	-	-
Combination utility services .....	493	41.7	41.3	41.3	41.9	-	-	-	-	-	-
Sanitary services .....	495	42.0	42.2	42.7	42.7	-	-	-	-	-	-
<b>Wholesale trade .....</b>		<b>38.1</b>	<b>38.2</b>	<b>38.2</b>	<b>38.2</b>	<b>38.4</b>	-	-	-	-	-
Durable goods .....	50	38.5	38.7	38.7	38.8	-	-	-	-	-	-
Motor vehicles, parts, and supplies .....	501	38.1	38.3	38.1	38.3	-	-	-	-	-	-
Furniture and home furnishings .....	502	36.2	36.7	37.0	36.9	-	-	-	-	-	-
Lumber and other construction materials .....	503	40.0	40.4	40.2	40.3	-	-	-	-	-	-
Professional and commercial equipment .....	504	39.1	39.0	38.8	39.0	-	-	-	-	-	-
Medical and hospital equipment .....	5047	37.5	37.8	37.3	36.9	-	-	-	-	-	-
Metals and minerals, except petroleum .....	505	39.7	40.1	40.1	39.7	-	-	-	-	-	-
Electrical goods .....	506	38.4	38.6	38.6	38.7	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	38.7	38.7	38.6	38.8	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	38.8	39.1	39.1	39.2	-	-	-	-	-	-
Misc. wholesale trade durable goods .....	509	36.9	37.0	37.0	37.2	-	-	-	-	-	-
Nondurable goods .....	51	37.4	37.5	37.6	37.5	-	-	-	-	-	-
Paper and paper products .....	511	37.1	37.2	37.0	36.8	-	-	-	-	-	-
Drugs, proprietaries, and sundries .....	512	37.3	37.6	37.0	36.8	-	-	-	-	-	-
Apparel, piece goods, and notions .....	513	36.1	36.9	36.8	37.0	-	-	-	-	-	-
Groceries and related products .....	514	38.3	38.2	38.5	38.4	-	-	-	-	-	-
Farm-product raw materials .....	515	34.2	34.5	35.7	35.7	-	-	-	-	-	-
Chemicals and allied products .....	516	39.9	40.2	40.3	40.2	-	-	-	-	-	-
Petroleum and petroleum products .....	517	38.0	38.0	38.0	38.1	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	37.0	37.0	37.1	37.2	-	-	-	-	-	-
Misc. wholesale trade nondurable goods .....	519	36.6	36.8	36.9	36.5	-	-	-	-	-	-
<b>Retail trade .....</b>		<b>29.3</b>	<b>29.3</b>	<b>29.0</b>	<b>29.3</b>	<b>29.7</b>	-	-	-	-	-
Building materials and garden supplies .....	52	36.7	36.7	36.7	36.9	-	-	-	-	-	-
Lumber and other building materials .....	521	38.7	38.7	38.7	38.9	-	-	-	-	-	-
Hardware stores .....	525	33.0	32.9	32.7	33.0	-	-	-	-	-	-
Retail nurseries and garden stores .....	526	34.4	33.8	35.3	34.3	-	-	-	-	-	-
General merchandise stores .....	53	29.7	29.0	29.3	29.5	-	-	-	-	-	-
Department stores .....	531	29.7	29.0	29.3	29.6	-	-	-	-	-	-
Variety stores .....	533	28.6	28.0	27.5	28.0	-	-	-	-	-	-
Misc. general merchandise stores .....	539	29.8	29.8	30.1	30.4	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>a</sup>	Aug. 1992 <sup>a</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>a</sup>	Aug. 1992 <sup>a</sup>
<b>Transportation and public utilities—Continued</b>											
Local and interurban passenger transit .....	41	\$9.76	\$9.72	\$9.82	\$10.16	-	\$346.48	\$341.17	\$332.90	\$364.74	-
Local and suburban transportation .....	411	10.34	10.21	10.38	10.75	-	392.92	383.90	395.48	418.18	-
Intercity and rural bus transportation .....	413	12.87	12.83	13.13	13.48	-	498.07	499.09	500.25	513.59	-
Trucking and warehousing .....	42	11.77	11.87	12.07	12.03	-	451.97	462.93	474.35	470.37	-
Trucking and courier services, except air .....	421	11.91	12.01	12.22	12.18	-	456.15	468.39	480.25	476.24	-
Public warehousing and storage .....	422	9.77	9.82	9.93	9.96	-	388.85	389.85	397.20	395.41	-
Water transportation:											
Water transportation services .....	449	16.88	16.16	16.44	16.83	-	584.05	555.90	573.76	577.27	-
Pipelines, except natural gas .....	46	17.11	17.15	18.51	18.66	-	704.93	715.16	751.51	757.60	-
Transportation services .....	47	10.70	10.69	10.70	10.71	-	389.48	389.12	394.83	391.99	-
Passenger transportation arrangement .....	472	9.51	9.57	9.79	9.81	-	338.56	342.61	360.27	356.10	-
Travel agencies .....	4724	9.63	9.69	9.84	9.80	-	341.87	346.90	363.10	355.74	-
Freight transportation arrangement .....	473	12.33	12.22	11.98	12.01	-	454.98	448.47	438.47	439.57	-
Communications .....	48	14.07	14.07	14.35	14.37	-	555.77	554.36	566.83	571.93	-
Telephone communications .....	481	14.68	14.75	15.01	15.04	-	603.35	603.28	616.91	622.66	-
Radio and television broadcasting .....	483	13.55	13.31	13.90	13.85	-	464.77	459.20	480.94	477.83	-
Cable and other pay television services .....	484	10.76	10.73	10.95	11.00	-	417.49	414.18	424.86	435.60	-
Electric, gas, and sanitary services .....	49	15.61	15.58	15.89	16.04	-	647.82	645.01	664.20	673.68	-
Electric services .....	491	16.26	16.17	16.55	16.87	-	671.54	666.20	693.45	708.54	-
Gas production and distribution .....	492	14.67	14.64	15.23	15.21	-	610.27	614.88	636.61	638.82	-
Combination utility services .....	493	18.12	18.32	18.48	18.40	-	755.60	756.62	763.22	770.96	-
Sanitary services .....	495	11.80	11.68	11.85	11.93	-	495.60	492.90	506.00	509.41	-
<b>Wholesale trade .....</b>		<b>11.13</b>	<b>11.13</b>	<b>11.33</b>	<b>11.38</b>	<b>\$11.44</b>	<b>424.05</b>	<b>425.17</b>	<b>432.81</b>	<b>434.72</b>	<b>\$439.30</b>
Durable goods .....	50	11.50	11.49	11.68	11.73	-	442.75	444.66	452.02	455.12	-
Motor vehicles, parts, and supplies .....	501	10.15	10.18	10.35	10.37	-	386.72	389.89	394.34	397.17	-
Furniture and home furnishings .....	502	10.20	10.16	10.21	10.28	-	369.24	372.87	377.77	379.33	-
Lumber and other construction materials .....	503	10.72	10.77	10.94	10.99	-	428.80	435.11	439.79	442.90	-
Professional and commercial equipment .....	504	13.78	13.69	13.88	13.96	-	538.80	533.91	538.54	544.44	-
Medical and hospital equipment .....	5047	12.42	12.53	12.94	12.72	-	465.75	473.63	482.66	469.37	-
Metals and minerals, except petroleum .....	505	11.70	11.69	11.82	11.86	-	464.49	468.77	473.98	470.84	-
Electrical goods .....	506	11.70	11.69	11.97	12.05	-	449.28	451.23	462.04	466.34	-
Hardware, plumbing, and heating equipment .....	507	10.81	10.84	11.18	11.19	-	418.35	419.51	431.55	434.17	-
Machinery, equipment, and supplies .....	508	11.37	11.39	11.61	11.65	-	441.16	445.35	453.95	456.68	-
Misc. wholesale trade durable goods .....	509	8.95	8.97	9.11	9.12	-	330.26	331.89	337.07	339.26	-
Nondurable goods .....	51	10.61	10.63	10.87	10.92	-	396.81	398.63	408.71	409.50	-
Paper and paper products .....	511	10.97	11.14	11.44	11.56	-	406.99	414.41	423.28	425.41	-
Drugs, proprietaries, and sundries .....	512	12.51	12.56	12.76	12.84	-	466.62	472.26	472.12	472.51	-
Apparel, piece goods, and notions .....	513	10.38	10.42	10.69	10.64	-	374.72	384.50	393.39	393.68	-
Groceries and related products .....	514	10.76	10.73	11.00	11.06	-	412.11	409.89	423.50	424.70	-
Farm-product raw materials .....	515	8.09	8.05	8.19	8.26	-	276.68	277.73	292.38	294.88	-
Chemicals and allied products .....	516	12.70	12.74	13.15	13.22	-	506.73	512.15	529.95	531.44	-
Petroleum and petroleum products .....	517	10.22	10.24	10.40	10.44	-	388.36	389.12	395.20	397.76	-
Beer, wine, and distilled beverages .....	518	12.77	12.61	12.85	12.87	-	472.49	466.57	476.74	478.76	-
Misc. wholesale trade nondurable goods .....	519	8.94	9.02	9.25	9.26	-	327.20	331.94	341.33	337.99	-
<b>Retail trade .....</b>		<b>6.94</b>	<b>6.93</b>	<b>7.10</b>	<b>7.10</b>	<b>7.09</b>	<b>203.34</b>	<b>203.05</b>	<b>205.90</b>	<b>208.03</b>	<b>210.57</b>
Building materials and garden supplies .....	52	8.12	8.14	8.37	8.39	-	298.00	298.74	307.18	309.59	-
Lumber and other building materials .....	521	8.47	8.50	8.74	8.73	-	327.79	328.95	338.24	339.60	-
Hardware stores .....	525	6.96	6.91	7.16	7.16	-	229.68	227.34	234.13	236.28	-
Retail nurseries and garden stores .....	526	7.29	7.33	7.30	7.40	-	250.78	247.75	257.69	253.82	-
General merchandise stores .....	53	7.06	7.06	7.16	7.17	-	209.68	204.74	209.79	211.52	-
Department stores .....	531	7.16	7.16	7.21	7.22	-	212.65	207.64	211.25	213.71	-
Variety stores .....	533	5.80	5.74	5.99	6.01	-	165.88	160.72	164.73	168.28	-
Misc. general merchandise stores .....	539	6.90	6.99	7.50	7.53	-	205.62	208.30	225.75	228.91	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Retail trade—Continued</b>											
Food stores .....	54	30.4	29.9	30.0	30.2	-	-	-	-	-	-
Grocery stores .....	541	30.6	30.1	30.2	30.4	-	-	-	-	-	-
Retail bakeries .....	546	28.7	28.8	28.5	28.9	-	-	-	-	-	-
Automotive dealers and service stations .....	55	36.1	36.3	36.2	36.3	-	-	-	-	-	-
New and used car dealers .....	551	37.1	37.4	37.5	37.5	-	-	-	-	-	-
Auto and home supply stores .....	553	38.8	38.8	38.1	38.5	-	-	-	-	-	-
Gasoline service stations .....	554	33.6	33.7	33.5	33.8	-	-	-	-	-	-
Automotive dealers, nec .....	559	34.9	34.6	34.5	34.3	-	-	-	-	-	-
Apparel and accessory stores .....	56	27.2	27.7	26.6	27.2	-	-	-	-	-	-
Men's and boys' clothing stores .....	561	28.8	29.0	28.7	29.0	-	-	-	-	-	-
Women's clothing stores .....	562	24.5	24.9	23.9	24.7	-	-	-	-	-	-
Family clothing stores .....	565	28.1	28.3	27.6	28.1	-	-	-	-	-	-
Shoe stores .....	566	29.8	31.4	28.6	29.1	-	-	-	-	-	-
Furniture and home furnishings stores .....	57	33.1	33.4	33.0	33.3	-	-	-	-	-	-
Furniture and home furnishings stores .....	571	33.2	33.7	33.2	33.3	-	-	-	-	-	-
Household appliance stores .....	572	34.6	34.8	34.3	34.6	-	-	-	-	-	-
Radio, television, and computer stores .....	573	32.5	32.5	32.4	33.1	-	-	-	-	-	-
Radio, television, and electronic stores .....	5731	31.9	32.1	32.1	32.8	-	-	-	-	-	-
Record and prerecorded tape stores .....	5735	27.1	26.7	27.8	28.3	-	-	-	-	-	-
Eating and drinking places <sup>4</sup> .....	58	25.6	25.9	25.2	25.7	-	-	-	-	-	-
Miscellaneous retail establishments .....	59	29.9	30.0	29.7	30.0	-	-	-	-	-	-
Drug stores and proprietary stores .....	591	28.1	28.0	28.0	28.5	-	-	-	-	-	-
Used merchandise stores .....	593	31.5	32.1	31.9	32.3	-	-	-	-	-	-
Miscellaneous shopping goods stores .....	594	28.9	29.1	28.3	29.0	-	-	-	-	-	-
Nonstore retailers .....	596	33.2	33.2	34.6	34.2	-	-	-	-	-	-
Fuel dealers .....	598	37.5	37.6	36.6	36.4	-	-	-	-	-	-
Retail stores, nec .....	599	31.1	31.4	31.0	31.2	-	-	-	-	-	-
<b>Finance, insurance, and real estate<sup>5</sup></b> .....		<b>35.6</b>	<b>35.7</b>	<b>35.6</b>	<b>35.7</b>	<b>36.3</b>	-	-	-	-	-
Depository institutions .....	60	35.2	35.3	35.3	35.4	-	-	-	-	-	-
Commercial banks .....	602	35.0	35.2	35.1	35.3	-	-	-	-	-	-
Credit unions .....	606	35.6	35.6	35.9	35.9	-	-	-	-	-	-
Nondepository institutions .....	61	37.4	37.5	37.6	37.6	-	-	-	-	-	-
Personal credit institutions .....	614	38.0	37.8	37.7	38.0	-	-	-	-	-	-
Security and commodity brokers: Security and commodity services .....	628	36.6	36.6	36.6	36.4	-	-	-	-	-	-
Insurance carriers .....	63	37.2	37.4	37.5	37.5	-	-	-	-	-	-
Life insurance .....	631	36.5	36.7	37.1	36.9	-	-	-	-	-	-
Medical service and health insurance .....	632	37.9	38.1	38.3	38.3	-	-	-	-	-	-
Fire, marine, and casualty insurance .....	633	37.4	37.5	37.3	37.4	-	-	-	-	-	-
<b>Services</b> .....		<b>32.5</b>	<b>32.7</b>	<b>32.5</b>	<b>32.7</b>	<b>33.1</b>	-	-	-	-	-
Agricultural services .....	07	35.2	34.9	35.9	35.0	-	-	-	-	-	-
Hotels and other lodging places: Hotels and motels <sup>4</sup> .....	701	30.8	31.4	30.6	31.2	-	-	-	-	-	-
Personal services: Laundry, cleaning, and garment services .....	721	33.4	33.9	34.3	33.9	-	-	-	-	-	-
Beauty shops <sup>4</sup> .....	723	29.1	29.4	28.6	28.4	-	-	-	-	-	-
Miscellaneous personal services .....	729	25.7	25.8	27.0	27.0	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Retail trade—Continued</b>											
Food stores .....	54	\$7.38	\$7.37	\$7.51	\$7.49	-	\$224.35	\$220.36	\$225.30	\$226.20	-
Grocery stores .....	541	7.46	7.45	7.59	7.57	-	228.28	224.25	229.22	230.13	-
Retail bakeries .....	546	6.43	6.43	6.73	6.73	-	184.54	185.18	191.81	194.50	-
Automotive dealers and service stations .....	55	9.11	9.11	9.37	9.35	-	328.87	330.69	339.19	339.41	-
New and used car dealers .....	551	11.30	11.26	11.67	11.67	-	419.23	421.12	437.63	437.63	-
Auto and home supply stores .....	553	8.03	8.07	8.13	8.15	-	311.56	313.12	309.75	313.78	-
Gasoline service stations .....	554	6.46	6.44	6.50	6.49	-	217.06	217.03	217.75	219.36	-
Automotive dealers, nec .....	559	10.20	10.31	10.62	10.60	-	355.98	356.73	366.39	363.58	-
Apparel and accessory stores .....	56	6.60	6.61	6.90	6.86	-	179.52	183.10	183.54	186.59	-
Men's and boys' clothing stores .....	561	8.09	7.84	8.56	8.61	-	232.99	227.36	245.67	249.69	-
Women's clothing stores .....	562	6.30	6.25	6.45	6.43	-	154.35	155.63	154.16	158.82	-
Family clothing stores .....	565	6.42	6.39	6.66	6.64	-	180.40	180.84	183.82	186.58	-
Shoe stores .....	566	6.64	6.87	7.20	7.09	-	197.87	215.72	205.92	206.32	-
Furniture and home furnishings stores .....	57	8.90	8.93	9.14	9.20	-	294.59	298.26	301.62	306.36	-
Furniture and home furnishings stores .....	571	8.62	8.64	8.93	9.02	-	286.18	291.17	296.48	300.37	-
Household appliance stores .....	572	9.43	9.35	9.39	9.45	-	326.28	325.38	322.08	326.97	-
Radio, television, and computer stores .....	573	9.20	9.26	9.41	9.43	-	299.00	300.95	304.88	312.13	-
Radio, television, and electronic stores .....	5731	9.10	9.05	9.08	9.18	-	290.29	290.51	291.47	301.10	-
Record and prerecorded tape stores .....	5735	5.71	5.75	5.86	5.81	-	154.74	153.53	162.91	164.42	-
Eating and drinking places <sup>4</sup> .....	58	5.18	5.20	5.27	5.27	-	132.61	134.68	132.80	135.44	-
Miscellaneous retail establishments .....	59	7.42	7.41	7.66	7.66	-	221.86	222.30	227.50	229.80	-
Drug stores and proprietary stores .....	591	7.15	7.19	7.61	7.58	-	200.92	201.32	213.08	216.03	-
Used merchandise stores .....	593	6.55	6.50	6.61	6.63	-	206.33	208.65	210.86	214.15	-
Miscellaneous shopping goods stores .....	594	6.94	6.92	7.17	7.15	-	200.57	201.37	202.91	207.35	-
Nonstore retailers .....	596	8.40	8.29	8.31	8.34	-	278.88	275.23	287.53	285.23	-
Fuel dealers .....	598	10.15	10.10	10.63	10.67	-	380.63	379.76	389.06	388.39	-
Retail stores, nec .....	599	7.67	7.68	7.95	7.99	-	238.54	241.15	246.45	249.29	-
<b>Finance, insurance, and real estate<sup>5</sup></b> .....		10.34	10.35	10.70	10.73	\$10.85	368.10	369.50	380.92	383.06	\$393.86
Depository institutions .....	60	8.69	8.70	8.91	8.89	-	305.89	307.11	314.52	314.71	-
Commercial banks .....	602	8.33	8.36	8.52	8.50	-	291.55	294.27	299.05	300.05	-
Credit unions .....	606	8.44	8.45	8.67	8.70	-	300.46	300.82	311.25	312.33	-
Nondepository institutions .....	61	10.96	10.83	11.43	11.41	-	409.90	406.13	429.77	429.02	-
Personal credit institutions .....	614	9.49	9.49	9.74	9.72	-	360.62	358.72	367.20	369.36	-
Security and commodity brokers: Security and commodity services .....	628	14.12	14.42	14.89	15.03	-	516.79	527.77	544.97	547.09	-
Insurance carriers .....	63	11.71	11.74	12.28	12.37	-	435.61	439.08	460.50	463.88	-
Life insurance .....	631	10.77	10.74	11.14	11.26	-	393.11	394.16	413.29	415.49	-
Medical service and health insurance .....	632	11.15	11.19	11.75	11.87	-	422.59	426.34	450.03	454.62	-
Fire, marine, and casualty insurance .....	633	12.62	12.69	13.31	13.39	-	471.99	475.88	496.46	500.79	-
<b>Services</b> .....		10.12	10.13	10.42	10.41	10.45	328.90	331.25	338.65	340.41	345.90
Agricultural services .....	07	8.00	8.03	8.18	8.19	-	281.60	280.25	293.66	286.65	-
Hotels and other lodging places: Hotels and motels <sup>4</sup> .....	701	6.99	7.00	7.35	7.28	-	215.29	219.80	224.91	227.14	-
Personal services: Laundry, cleaning, and garment services .....	721	7.07	7.03	7.14	7.19	-	236.14	238.32	244.90	243.74	-
Beauty shops <sup>4</sup> .....	723	7.37	7.34	7.68	7.71	-	214.47	215.80	219.65	218.96	-
Miscellaneous personal services .....	729	7.70	7.69	7.82	7.76	-	197.89	198.40	211.14	209.52	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Services—Continued</b>											
Business services .....	73	32.9	33.1	33.0	33.0	-	-	-	-	-	-
Advertising .....	731	36.0	36.3	36.5	36.4	-	-	-	-	-	-
Mailing, reproduction, and stenographic services:											
Photocopying and duplicating services .....	7334	36.7	36.8	37.8	37.7	-	-	-	-	-	-
Services to buildings .....	734	28.1	28.6	28.3	28.4	-	-	-	-	-	-
Miscellaneous equipment rental and leasing .....	735	38.8	38.9	39.4	39.1	-	-	-	-	-	-
Heavy construction equipment rental .....	7353	39.8	40.7	40.7	40.7	-	-	-	-	-	-
Personnel supply services:											
Help supply services .....	7363	30.6	30.9	31.3	31.3	-	-	-	-	-	-
Computer and data processing services .....	737	37.8	38.0	37.8	37.8	-	-	-	-	-	-
Computer programming services .....	7371	37.6	38.2	37.7	38.2	-	-	-	-	-	-
Computer integrated systems design .....	7373	38.7	39.3	38.9	38.4	-	-	-	-	-	-
Information retrieval services .....	7375	36.3	38.1	38.3	38.4	-	-	-	-	-	-
Computer maintenance and repair .....	7378	38.5	39.2	38.9	38.9	-	-	-	-	-	-
Miscellaneous business services .....	738	34.1	34.2	33.8	33.7	-	-	-	-	-	-
Detective and armored car services .....	7381	33.8	34.0	33.8	33.8	-	-	-	-	-	-
Security systems services .....	7382	36.7	36.8	37.4	37.6	-	-	-	-	-	-
Auto repair, services, and parking .....	75	36.6	36.9	36.9	36.9	-	-	-	-	-	-
Automobile parking .....	752	32.9	32.7	33.3	33.5	-	-	-	-	-	-
Automotive repair shops .....	753	38.2	38.7	38.4	38.5	-	-	-	-	-	-
Miscellaneous repair services .....	76	37.9	38.1	38.0	38.1	-	-	-	-	-	-
Motion pictures .....	78	29.3	28.5	27.9	28.3	-	-	-	-	-	-
Motion picture production and services .....	781	37.9	37.1	37.2	36.4	-	-	-	-	-	-
Amusement and recreation services .....	79	28.4	28.5	27.7	28.7	-	-	-	-	-	-
Bowling centers .....	793	25.1	25.4	24.4	24.8	-	-	-	-	-	-
Misc. amusement and recreation services .....	799	28.7	28.8	28.0	29.3	-	-	-	-	-	-
Physical fitness facilities .....	7991	18.4	18.9	18.5	18.4	-	-	-	-	-	-
Membership sports and recreation clubs .....	7997	30.2	29.6	29.3	30.2	-	-	-	-	-	-
Health services .....	80	32.6	32.7	32.7	32.9	-	-	-	-	-	-
Offices and clinics of medical doctors .....	801	31.6	32.0	32.0	32.2	-	-	-	-	-	-
Offices and clinics of dentists .....	802	28.0	28.3	28.2	28.3	-	-	-	-	-	-
Offices and clinics of other health practitioners .....	804	29.4	29.5	29.9	29.8	-	-	-	-	-	-
Nursing and personal care facilities .....	805	32.5	32.1	32.1	32.6	-	-	-	-	-	-
Intermediate care facilities .....	8052	31.7	31.5	31.2	31.7	-	-	-	-	-	-
Hospitals .....	806	34.4	34.5	34.5	34.6	-	-	-	-	-	-
Home health care services .....	808	26.0	26.2	27.1	27.4	-	-	-	-	-	-
Legal services .....	81	34.5	34.7	34.8	34.8	-	-	-	-	-	-
Social services:											
Child day care services .....	835	30.0	30.0	29.6	30.2	-	-	-	-	-	-
Membership organizations:											
Professional organizations .....	862	34.6	35.3	34.7	34.9	-	-	-	-	-	-
Engineering and management services .....	87	36.9	37.3	37.0	37.1	-	-	-	-	-	-
Engineering and architectural services .....	871	38.4	38.9	39.0	38.8	-	-	-	-	-	-
Engineering services .....	8711	38.7	39.2	39.3	39.0	-	-	-	-	-	-
Architectural services .....	8712	37.5	37.8	38.0	38.2	-	-	-	-	-	-
Surveying services .....	8713	37.8	37.8	37.7	37.5	-	-	-	-	-	-
Accounting, auditing, and bookkeeping .....	872	37.0	37.4	36.5	36.4	-	-	-	-	-	-
Research and testing services .....	873	36.3	36.8	36.6	36.9	-	-	-	-	-	-
Management and public relations .....	874	35.1	35.4	35.3	35.4	-	-	-	-	-	-
Public relations services .....	8743	34.9	35.2	34.6	35.2	-	-	-	-	-	-
Services, nec .....	89	35.7	36.4	37.2	37.3	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Services—Continued</b>											
Business services .....	73	\$9.77	\$9.70	\$9.92	\$9.94	-	\$321.43	\$321.07	\$327.36	\$328.02	-
Advertising .....	731	13.72	13.74	14.81	14.82	-	493.92	498.76	540.57	539.45	-
Mailing, reproduction, and stenographic services:											
Photocopying and duplicating services .....	7334	9.00	9.03	9.38	9.33	-	330.30	332.30	354.56	351.74	-
Services to buildings .....	734	7.40	7.28	7.32	7.34	-	207.94	208.21	207.16	208.46	-
Miscellaneous equipment rental and leasing .....	735	10.08	10.17	10.39	10.40	-	391.10	395.61	409.37	406.64	-
Heavy construction equipment rental .....	7353	12.81	13.09	13.29	13.51	-	509.84	532.76	540.90	549.86	-
Personnel supply services:											
Help supply services .....	7363	8.36	8.28	8.30	8.35	-	255.82	255.85	259.79	261.36	-
Computer and data processing services .....	737	15.62	15.49	15.73	15.72	-	590.44	588.62	594.59	594.22	-
Computer programming services .....	7371	17.93	17.71	18.43	18.05	-	674.17	676.52	694.81	689.51	-
Computer integrated systems design .....	7373	16.74	16.50	16.60	16.75	-	647.84	648.45	645.74	643.20	-
Information retrieval services .....	7375	13.25	13.22	13.08	13.13	-	507.48	503.68	500.96	504.19	-
Computer maintenance and repair .....	7378	13.89	13.81	13.60	13.97	-	534.77	541.35	529.04	543.43	-
Miscellaneous business services .....	738	8.13	8.17	8.53	8.51	-	277.23	279.41	288.31	286.79	-
Detective and armored car services .....	7381	6.50	6.48	6.70	6.71	-	219.70	220.32	226.46	226.80	-
Security systems services .....	7382	9.96	9.90	10.27	10.45	-	365.53	364.32	384.10	392.92	-
Auto repair, services, and parking .....	75	8.93	8.97	9.12	9.15	-	326.84	330.99	336.53	337.64	-
Automobile parking .....	752	6.74	6.76	6.80	6.87	-	221.75	221.05	226.44	230.15	-
Automotive repair shops .....	753	9.83	9.87	10.05	10.05	-	375.51	381.97	385.92	386.93	-
Miscellaneous repair services .....	76	10.57	10.55	10.73	10.82	-	400.60	401.96	407.74	412.24	-
Motion pictures .....	78	10.96	11.78	11.12	10.89	-	321.13	335.73	310.25	308.19	-
Motion picture production and services .....	781	17.45	18.53	17.32	16.93	-	661.36	687.46	644.30	616.25	-
Amusement and recreation services .....	79	7.27	7.22	7.56	7.43	-	206.47	205.77	209.41	213.24	-
Bowling centers .....	793	6.60	6.50	6.69	6.68	-	165.66	165.10	163.24	165.66	-
Misc. amusement and recreation services .....	799	6.91	6.89	7.09	6.97	-	198.32	198.43	198.52	204.22	-
Physical fitness facilities .....	7991	7.58	7.60	7.68	7.81	-	139.47	143.64	142.08	143.70	-
Membership sports and recreation clubs .....	7997	7.20	7.23	7.44	7.38	-	217.44	214.01	217.99	222.88	-
Health services .....	80	11.01	11.03	11.31	11.38	-	358.93	360.68	369.84	374.40	-
Offices and clinics of medical doctors .....	801	11.06	11.13	11.32	11.41	-	349.50	356.16	362.24	367.40	-
Offices and clinics of dentists .....	802	10.59	10.63	10.99	10.92	-	296.52	300.83	309.92	309.04	-
Offices and clinics of other health practitioners .....	804	9.48	9.53	9.91	9.91	-	278.71	281.14	296.31	295.32	-
Nursing and personal care facilities .....	805	7.58	7.57	7.83	7.86	-	246.35	243.00	251.34	256.24	-
Intermediate care facilities .....	8052	7.02	6.98	7.20	7.24	-	222.53	219.87	224.64	229.51	-
Hospitals .....	806	12.62	12.63	12.91	13.03	-	434.13	435.74	445.40	450.84	-
Home health care services .....	808	9.43	9.44	10.01	10.07	-	245.18	247.33	271.27	275.92	-
Legal services .....	81	14.54	14.45	14.93	14.99	-	501.63	501.42	519.56	521.65	-
Social services:											
Child day care services .....	835	6.15	6.12	6.43	6.37	-	184.50	183.60	190.33	192.37	-
Membership organizations:											
Professional organizations .....	862	13.29	13.31	14.23	14.34	-	459.83	469.84	493.78	500.47	-
Engineering and management services .....	87	13.99	14.04	14.53	14.60	-	516.23	523.69	537.61	541.66	-
Engineering and architectural services .....	871	15.29	15.42	15.83	15.85	-	587.14	599.84	617.37	614.98	-
Engineering services .....	8711	15.83	15.96	16.43	16.45	-	612.62	625.63	645.70	641.55	-
Architectural services .....	8712	14.34	14.38	14.62	14.65	-	537.75	543.56	555.56	559.63	-
Surveying services .....	8713	10.69	10.76	10.81	10.93	-	404.08	406.73	407.54	409.88	-
Accounting, auditing, and bookkeeping .....	872	12.27	12.31	12.88	13.04	-	453.99	460.39	470.12	474.66	-
Research and testing services .....	873	14.73	14.74	15.40	15.47	-	534.70	542.43	563.64	570.84	-
Management and public relations .....	874	12.83	12.80	13.17	13.21	-	450.33	453.12	464.90	467.63	-
Public relations services .....	8743	13.82	13.76	13.37	13.36	-	482.32	484.35	462.60	470.27	-
Services, nec .....	89	14.70	14.79	15.35	15.48	-	524.79	538.36	571.02	577.40	-

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

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

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

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

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

- Data not available.

<sup>p</sup> = preliminary.

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

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

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

Because of special circumstances in the aerospace

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

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

Series	Aircraft (SIC 3721)				Guided missiles and space vehicles (SIC 3761)			
	June 1991	July 1991	June 1992	July 1992 <sup>p</sup>	June 1991	July 1991	June 1992	July 1992 <sup>p</sup>
Average hourly earnings, excluding lump-sum payments .....	\$16.56	\$16.70	\$17.67	\$17.65	\$15.05	\$15.12	\$16.24	\$16.57
Average hourly earnings, including lump-sum payments .....	17.02	17.17	18.04	18.03	15.40	15.46	16.34	16.64

<sup>p</sup> = preliminary.



**ESTABLISHMENT DATA  
EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Manufacturing</b> .....	\$10.74	\$10.66	\$10.93	\$10.95	\$10.91
<b>Durable goods</b> .....	11.31	11.25	11.50	11.51	11.50
Lumber and wood products .....	8.91	8.92	8.97	9.02	(?)
Furniture and fixtures .....	8.48	8.48	8.68	8.69	(?)
Stone, clay, and glass products .....	10.79	10.77	10.98	10.97	(?)
Primary metal industries .....	12.74	12.68	12.89	12.97	(?)
Fabricated metal products .....	10.76	10.71	10.90	10.90	(?)
Industrial machinery and equipment .....	11.65	11.62	11.88	11.94	(?)
Electronic and other electrical equipment .....	10.36	10.33	10.62	10.63	(?)
Transportation equipment .....	14.16	14.07	14.47	14.51	(?)
Instruments and related products .....	11.31	11.20	11.50	11.57	(?)
Miscellaneous manufacturing .....	8.59	8.54	8.83	8.85	(?)
<b>Nondurable goods</b> .....	10.00	9.92	10.20	10.25	\$10.17
Food and kindred products .....	9.35	9.26	9.68	9.64	(?)
Tobacco products .....	17.68	15.96	17.55	17.79	(?)
Textile mill products .....	7.87	7.91	8.14	8.16	(?)
Apparel and other textile products .....	6.65	6.64	6.79	6.79	(?)
Paper and allied products .....	12.10	12.03	12.29	12.37	(?)
Printing and publishing .....	11.10	11.10	11.30	11.34	(?)
Chemicals and allied products .....	13.40	13.30	13.60	13.72	(?)
Petroleum and coal products .....	15.74	15.71	16.46	16.58	(?)
Rubber and misc. plastics products .....	9.65	9.63	9.85	9.92	(?)
Leather and leather products .....	6.95	6.92	7.18	7.11	(?)

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

<sup>2</sup> Not available.

<sup>p</sup> = preliminary.

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

**ESTABLISHMENT DATA  
EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	Average hourly earnings					Average weekly earnings				
	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>	July 1991	Aug. 1991	June 1992	July 1992 <sup>p</sup>	Aug. 1992 <sup>p</sup>
<b>Total private:</b>										
Current dollars .....	\$10.29	\$10.29	\$10.53	\$10.52	\$10.56	\$355.01	\$357.06	\$364.34	\$363.99	\$369.60
Constant (1982) dollars .....	7.42	7.41	7.39	7.37	( <sup>2</sup> )	256.14	257.06	255.68	254.89	( <sup>2</sup> )
<b>Mining:</b>										
Current dollars .....	14.18	14.13	14.51	14.47	\$14.50	618.25	628.79	635.54	623.66	\$642.35
Constant (1982) dollars .....	10.23	10.17	10.18	10.13	( <sup>2</sup> )	446.07	452.69	445.99	436.74	( <sup>2</sup> )
<b>Construction:</b>										
Current dollars .....	13.94	14.01	14.09	14.04	\$14.16	538.08	543.59	548.10	546.16	\$552.24
Constant (1982) dollars .....	10.06	10.09	9.89	9.83	( <sup>2</sup> )	388.23	391.35	384.63	382.46	( <sup>2</sup> )
<b>Manufacturing:</b>										
Current dollars .....	11.22	11.17	11.45	11.46	\$11.45	453.29	456.85	471.74	466.42	\$470.60
Constant (1982) dollars .....	8.10	8.04	8.04	8.03	( <sup>2</sup> )	327.05	328.91	331.05	326.62	( <sup>2</sup> )
<b>Transportation and public utilities:</b>										
Current dollars .....	13.26	13.26	13.40	13.45	\$13.51	515.81	515.81	521.26	525.90	\$532.29
Constant (1982) dollars .....	9.57	9.55	9.40	9.42	( <sup>2</sup> )	372.16	371.35	365.80	368.28	( <sup>2</sup> )
<b>Wholesale trade:</b>										
Current dollars .....	11.13	11.13	11.33	11.38	\$11.44	424.05	425.17	432.81	434.72	\$439.30
Constant (1982) dollars .....	8.03	8.01	7.95	7.97	( <sup>2</sup> )	305.95	306.10	303.73	304.43	( <sup>2</sup> )
<b>Retail trade:</b>										
Current dollars .....	6.94	6.93	7.10	7.10	\$7.09	203.34	203.05	205.90	208.03	\$210.57
Constant (1982) dollars .....	5.01	4.99	4.98	4.97	( <sup>2</sup> )	146.71	146.18	144.49	145.68	( <sup>2</sup> )
<b>Finance, insurance, and real estate:</b>										
Current dollars .....	10.34	10.35	10.70	10.73	\$10.85	368.10	369.50	380.92	383.06	\$393.86
Constant (1982) dollars .....	7.46	7.45	7.51	7.51	( <sup>2</sup> )	265.58	266.02	267.31	268.25	( <sup>2</sup> )
<b>Services:</b>										
Current dollars .....	10.12	10.13	10.42	10.41	\$10.45	328.90	331.25	338.65	340.41	\$345.90
Constant (1982) dollars .....	7.30	7.29	7.31	7.29	( <sup>2</sup> )	237.30	238.48	237.65	238.38	( <sup>2</sup> )

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

<sup>2</sup> Not available.

<sup>p</sup> = preliminary.

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

**ESTABLISHMENT DATA  
HOURS  
SEASONALLY ADJUSTED**

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

Industry	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>p</sup>	Aug. <sup>p</sup>
<b>Total private</b> .....	34.3	34.4	34.3	34.4	34.5	34.3	34.6	34.5	34.3	34.6	34.3	34.3	34.7
<b>Mining</b> .....	44.4	44.2	44.0	44.1	44.0	43.7	44.2	44.3	44.2	44.3	43.4	43.6	44.2
<b>Construction</b> .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
<b>Manufacturing</b> .....	40.9	40.9	40.9	40.9	41.0	40.9	41.1	41.1	41.1	41.3	41.0	41.0	41.0
<i>Overtime hours</i> .....	3.7	3.7	3.7	3.7	3.7	3.6	3.7	3.8	3.9	4.1	3.8	3.8	3.8
<b>Durable goods</b> .....	41.3	41.4	41.3	41.3	41.4	41.3	41.6	41.6	41.5	41.9	41.5	41.6	41.5
<i>Overtime hours</i> .....	3.7	3.7	3.7	3.7	3.7	3.5	3.7	3.7	3.8	4.1	3.8	3.8	3.7
Lumber and wood products .....	40.1	40.2	40.1	40.4	40.6	40.5	41.1	41.0	40.6	40.8	40.1	40.8	40.5
Furniture and fixtures .....	39.0	39.1	39.1	39.1	39.5	39.5	39.7	40.1	40.0	40.0	39.8	40.2	39.6
Stone, clay, and glass products .....	41.7	41.9	41.8	41.6	41.9	41.6	41.9	42.0	42.4	42.5	42.3	42.5	42.3
Primary metal industries .....	42.8	42.6	42.6	42.5	42.6	42.4	42.9	43.0	43.2	43.6	43.2	43.1	43.2
Blast furnaces and basic steel products ..	43.6	43.4	43.3	43.0	43.0	42.4	43.3	43.5	44.0	44.1	43.8	43.8	43.8
Fabricated metal products .....	41.4	41.4	41.5	41.4	41.5	41.4	41.6	41.6	41.3	41.9	41.6	41.9	41.6
Industrial machinery and equipment .....	41.9	42.0	41.8	41.8	41.9	41.8	42.1	42.2	42.1	42.6	42.2	42.1	42.3
Electronic and other electrical equipment ..	40.7	40.7	40.7	41.0	41.1	41.0	41.1	41.2	41.0	41.5	41.1	41.3	41.0
Transportation equipment .....	42.1	42.1	42.3	42.1	42.0	41.6	42.0	42.0	41.8	42.2	41.9	41.4	42.0
Motor vehicles and equipment .....	43.0	42.7	42.9	42.5	42.3	41.9	42.8	42.5	43.2	43.1	42.6	42.2	42.7
Instruments and related products .....	41.0	41.2	41.0	41.1	41.1	41.0	41.2	41.2	40.9	41.4	41.2	40.9	40.7
Miscellaneous manufacturing .....	40.0	40.0	39.8	39.7	40.0	39.8	39.9	40.0	39.9	40.0	40.0	40.1	39.7
<b>Nondurable goods</b> .....	40.3	40.3	40.3	40.4	40.5	40.4	40.5	40.5	40.6	40.5	40.4	40.3	40.4
<i>Overtime hours</i> .....	3.8	3.8	3.8	3.8	3.8	3.7	3.8	3.9	4.1	4.1	3.9	3.8	3.9
Food and kindred products .....	40.5	40.6	40.6	40.7	40.6	40.6	40.8	40.7	40.7	40.5	40.3	40.2	40.6
Tobacco products .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Textile mill products .....	41.2	41.2	41.2	41.3	41.5	41.0	41.4	41.3	41.4	41.4	41.3	41.0	40.7
Apparel and other textile products .....	37.2	37.3	37.3	37.3	37.4	37.4	37.2	37.4	37.2	37.3	37.2	37.2	37.2
Paper and allied products .....	43.4	43.4	43.4	43.4	43.5	43.4	43.6	43.6	44.0	43.8	43.7	43.5	43.6
Printing and publishing .....	37.8	37.6	37.8	38.0	38.1	37.9	38.0	38.1	38.0	38.2	38.1	38.1	38.2
Chemicals and allied products .....	43.0	43.1	43.1	43.3	43.4	43.2	43.4	43.1	43.1	43.4	43.2	43.0	43.1
Petroleum and coal products .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Rubber and misc. plastics products .....	41.3	41.2	41.4	41.5	41.5	41.5	41.7	41.7	42.3	41.9	41.8	41.7	41.7
Leather and leather products .....	37.4	37.7	37.2	38.1	37.7	37.6	37.1	37.6	38.0	38.2	38.0	38.4	37.7
<b>Transportation and public utilities</b> .....	38.7	38.9	38.5	38.5	38.6	38.5	38.7	38.5	38.2	38.8	38.6	38.7	39.2
<b>Wholesale trade</b> .....	38.2	38.2	38.1	38.2	38.2	38.1	38.5	38.3	38.3	38.3	38.1	38.0	38.4
<b>Retail trade</b> .....	28.6	28.6	28.5	28.7	28.7	28.7	29.0	28.8	28.6	28.8	28.6	28.5	29.0
<b>Finance, insurance, and real estate</b> .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
<b>Services</b> .....	32.4	32.4	32.4	32.4	32.5	32.4	32.6	32.6	32.4	32.6	32.4	32.4	32.8

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

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

components and consequently cannot be separated with sufficient precision.

<sup>p</sup> = preliminary.

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

**ESTABLISHMENT DATA  
HOURS  
SEASONALLY ADJUSTED**

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

(1982=100)

Industry	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>p</sup>	Aug. <sup>p</sup>
<b>Total private</b> .....	120.6	120.8	120.4	120.4	120.7	120.3	121.2	121.0	120.7	121.7	120.8	120.8	121.8
<b>Goods-producing</b> .....	104.0	104.1	103.6	103.2	103.5	102.8	103.2	103.5	103.6	104.6	103.3	103.4	102.7
<b>Mining</b> .....	61.5	60.6	59.7	59.1	58.7	57.8	58.2	58.3	57.6	57.1	55.6	55.6	56.0
<b>Construction</b> .....	122.9	124.2	122.7	120.0	121.9	120.2	119.7	120.6	121.9	125.2	122.4	122.3	121.2
<b>Manufacturing</b> .....	102.8	102.6	102.5	102.5	102.6	102.1	102.7	102.9	102.8	103.3	102.4	102.6	101.9
<b>Durable goods</b> .....	100.0	99.8	99.5	99.3	99.3	98.6	99.5	99.7	99.2	100.1	99.0	99.0	98.5
Lumber and wood products .....	117.8	117.8	117.5	118.8	119.4	119.4	122.4	122.6	121.4	121.7	118.8	120.9	119.4
Furniture and fixtures .....	113.4	113.7	113.4	113.1	114.0	114.0	113.9	115.7	116.0	116.0	115.8	117.5	114.2
Stone, clay, and glass products .....	102.1	102.4	102.4	101.1	101.6	100.6	101.1	101.6	103.3	103.8	103.3	103.6	103.1
Primary metal industries .....	88.7	87.8	87.3	86.8	87.0	86.0	87.1	87.2	87.6	88.1	87.1	87.1	87.1
Blast furnaces and basic steel products .....	78.3	77.9	76.9	75.6	75.6	73.4	75.8	75.7	76.6	76.4	75.5	74.7	74.3
Fabricated metal products .....	101.9	101.9	102.0	101.7	101.6	101.2	101.7	101.7	101.1	102.6	101.4	102.0	101.3
Industrial machinery and equipment .....	92.0	91.9	91.0	90.1	90.0	89.6	90.2	90.4	90.5	92.1	91.0	90.7	91.0
Electronic and other electrical equipment .....	101.3	100.8	100.5	101.0	101.1	100.8	100.7	100.9	100.2	101.6	100.5	100.4	99.0
Transportation equipment .....	115.1	114.5	114.7	114.4	113.9	111.8	114.0	114.0	112.6	112.2	111.2	109.8	110.6
Motor vehicles and equipment .....	128.1	126.6	127.0	128.8	127.0	121.6	130.4	129.3	131.0	128.6	126.9	126.9	128.2
Instruments and related products .....	84.0	84.0	83.4	83.5	82.9	82.7	83.0	82.8	81.3	82.3	81.5	80.6	79.9
Miscellaneous manufacturing .....	99.0	99.0	98.9	99.0	99.8	99.3	99.5	100.1	99.9	100.5	99.8	101.5	98.3
<b>Nondurable goods</b> .....	106.7	106.6	106.7	107.1	107.2	106.9	107.3	107.4	107.8	107.8	107.2	107.5	106.7
Food and kindred products .....	111.2	110.9	110.6	110.7	110.4	110.7	111.3	111.1	112.1	111.5	110.6	111.4	111.5
Tobacco products .....	73.9	71.2	71.1	67.7	71.8	72.4	70.0	72.4	72.7	70.0	71.4	70.9	70.4
Textile mill products .....	98.8	98.9	99.3	99.5	100.4	99.1	100.5	100.6	100.6	100.3	99.9	99.3	97.4
Apparel and other textile products .....	92.6	93.1	93.4	94.2	94.2	94.1	93.7	94.2	93.6	94.3	93.5	94.9	92.8
Paper and allied products .....	109.6	109.6	109.4	109.6	109.9	109.4	109.7	109.9	111.3	111.3	110.6	110.3	109.9
Printing and publishing .....	123.4	122.9	123.2	123.7	123.9	123.3	123.3	123.6	123.5	124.1	123.5	123.6	123.5
Chemicals and allied products .....	101.4	101.1	101.4	101.2	101.2	100.6	100.9	100.0	99.8	100.7	100.1	99.1	99.5
Petroleum and coal products .....	86.1	86.1	85.7	86.3	85.6	85.2	87.0	86.3	84.8	86.5	82.2	83.3	83.5
Rubber and misc. plastics products .....	124.2	124.1	125.0	125.7	125.9	126.3	127.3	127.6	129.5	128.8	129.3	129.0	128.2
Leather and leather products .....	58.0	58.5	57.1	59.1	58.5	57.8	57.0	57.8	59.0	58.7	57.8	60.2	56.8
<b>Service-producing</b> .....	128.0	128.3	127.9	128.1	128.5	128.2	129.3	128.9	128.4	129.4	128.7	128.7	130.4
<b>Transportation and public utilities</b> .....	113.6	114.2	113.0	113.0	113.2	112.9	113.6	112.9	112.0	113.7	113.2	113.4	114.5
<b>Wholesale trade</b> .....	113.5	113.5	113.0	113.2	112.9	112.5	113.5	112.8	112.9	113.0	112.4	111.8	112.8
<b>Retail trade</b> .....	119.4	119.2	118.4	119.0	118.8	118.8	120.2	119.1	118.8	119.6	118.8	118.4	119.9
<b>Finance, insurance, and real estate</b> .....	118.4	119.0	118.4	118.9	119.9	119.0	120.8	120.5	118.3	119.0	118.4	118.1	120.9
<b>Services</b> .....	145.5	146.0	146.3	146.3	147.0	146.7	147.6	147.9	147.6	149.0	148.3	148.6	150.6

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

<sup>p</sup> = preliminary.

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

**ESTABLISHMENT DATA  
EARNINGS  
SEASONALLY ADJUSTED**

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

Industry	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>p</sup>	Aug. <sup>p</sup>
<b>Average hourly earnings</b>													
<b>Total private (in current dollars)</b> .....	\$10.38	\$10.39	\$10.40	\$10.42	\$10.46	\$10.46	\$10.51	\$10.55	\$10.52	\$10.56	\$10.58	\$10.58	\$10.65
<b>Mining</b> .....	14.23	14.30	14.25	14.35	14.43	14.43	14.45	14.50	14.46	14.49	14.52	14.50	14.60
<b>Construction</b> .....	14.03	14.01	14.01	13.98	14.02	13.99	13.93	14.06	14.03	14.09	14.20	14.10	14.17
<b>Manufacturing</b> .....	11.24	11.25	11.27	11.30	11.32	11.27	11.34	11.37	11.42	11.44	11.44	11.45	11.52
<b>Excluding overtime<sup>2</sup></b> .....	10.75	10.76	10.78	10.80	10.82	10.81	10.86	10.87	10.93	10.92	10.93	10.94	11.00
<b>Transportation and public utilities</b> .....	13.28	13.27	13.24	13.27	13.34	13.34	13.43	13.41	13.43	13.44	13.47	13.45	13.54
<b>Wholesale trade</b> .....	11.20	11.21	11.21	11.25	11.27	11.27	11.33	11.35	11.29	11.37	11.38	11.38	11.52
<b>Retail trade</b> .....	6.99	7.00	7.02	7.04	7.06	7.07	7.09	7.12	7.09	7.12	7.11	7.14	7.15
<b>Finance, insurance, and real estate</b> .....	10.46	10.51	10.48	10.54	10.62	10.62	10.73	10.78	10.68	10.76	10.76	10.76	10.97
<b>Services</b> .....	10.28	10.30	10.30	10.35	10.39	10.41	10.47	10.50	10.46	10.49	10.53	10.53	10.61
<b>Total private (in constant dollars)<sup>3</sup></b> .....	7.47	7.46	7.45	7.44	7.45	7.44	7.46	7.46	7.42	7.44	7.43	7.41	(*)
<b>Average weekly earnings</b>													
<b>Total private:</b>													
In current dollars .....	356.03	357.42	356.72	358.45	360.87	358.78	363.65	363.98	360.84	365.38	362.89	362.89	369.56
In constant (1982) dollars <sup>3</sup> .....	256.32	256.58	255.53	255.85	257.03	255.36	258.27	257.23	254.47	257.31	254.84	254.30	(*)

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

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

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

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

<sup>4</sup> Not available.

<sup>p</sup> = preliminary.

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

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	July 1991	June 1992	July 1992 <sup>p</sup>	July 1991	June 1992	July 1992 <sup>p</sup>	July 1991	June 1992	July 1992 <sup>p</sup>
<b>Alabama</b> .....	40.0	41.5	40.9	\$9.75	\$9.97	\$10.03	\$390.00	\$413.76	\$410.23
Birmingham .....	39.5	40.7	41.3	10.27	10.59	10.65	405.67	431.01	439.85
Mobile .....	41.9	42.3	43.1	11.48	12.15	12.44	481.01	513.95	536.16
<b>Alaska</b> .....	49.3	45.9	48.4	10.49	11.15	9.70	517.16	511.79	469.48
<b>Arizona</b> .....	40.2	40.4	40.5	10.76	10.97	10.98	432.55	443.19	444.69
<b>Arkansas</b> .....	41.1	41.7	41.2	8.86	9.02	9.12	364.15	376.13	375.74
Fayetteville-Springdale .....	40.4	43.0	42.6	7.97	8.33	8.37	321.99	358.19	356.56
Fort Smith .....	41.3	39.9	43.6	9.20	9.30	9.48	379.96	371.07	413.33
Little Rock-North Little Rock .....	41.5	41.1	41.1	9.39	9.41	9.43	389.69	386.75	387.57
Pine Bluff .....	42.2	40.7	42.0	10.61	10.79	10.72	447.74	439.15	450.24
<b>California</b> .....	40.2	40.8	40.4	11.84	12.26	12.29	475.97	500.21	496.52
Anaheim-Santa Ana .....	40.6	40.4	40.0	11.91	12.10	12.16	483.55	488.84	486.40
Bakersfield .....	40.3	39.9	41.5	12.33	12.73	12.71	496.90	507.93	527.47
Fresno .....	38.9	40.1	41.0	9.98	10.37	10.47	388.22	415.84	429.27
Los Angeles-Long Beach .....	40.7	41.4	40.9	11.25	11.50	11.51	457.88	476.10	470.76
Modesto .....	38.2	38.9	42.0	11.78	11.89	11.88	450.00	462.52	498.96
Oakland .....	40.2	41.1	41.0	13.75	14.05	14.22	552.75	577.46	583.02
Oxnard-Ventura .....	40.0	40.8	39.9	11.19	11.43	11.38	447.60	466.34	454.06
Riverside-San Bernardino .....	40.5	40.6	40.5	10.77	11.32	11.26	436.19	459.59	456.03
Sacramento .....	38.2	39.5	38.7	12.46	12.83	12.73	475.97	506.79	492.65
Salinas-Seaside-Monterey .....	40.2	38.8	39.8	11.61	12.01	11.69	466.72	465.99	465.26
San Diego .....	39.5	39.9	39.2	11.94	12.29	12.36	471.63	490.37	484.51
San Francisco .....	40.4	40.2	39.7	12.87	13.26	13.30	519.95	533.05	528.01
San Jose .....	40.1	41.4	41.5	14.25	14.71	14.78	571.43	608.99	613.37
Santa Barbara-Santa Maria-Lompoc .....	42.3	39.9	41.6	12.09	12.63	12.39	511.41	503.94	515.42
Santa Rosa-Petaluma .....	38.0	39.3	39.1	11.93	12.32	12.36	453.34	484.18	483.28
Stockton .....	41.7	41.7	40.2	11.79	12.24	12.23	491.64	510.41	491.65
Vallejo-Fairfield-Napa .....	42.3	39.8	41.4	13.50	14.06	13.51	571.05	559.59	559.31
<b>Colorado</b> .....	39.4	41.0	39.7	11.32	11.37	11.36	446.01	466.17	450.99
Denver .....	40.2	41.9	40.0	12.70	12.58	12.54	510.54	527.10	501.60
<b>Connecticut</b> .....	41.4	42.1	41.4	12.06	12.37	12.43	499.28	520.78	514.60
Bridgeport-Milford .....	41.3	43.1	41.5	12.88	13.01	13.03	531.94	560.73	540.75
Hartford .....	41.6	41.7	40.8	12.69	13.71	13.86	527.90	571.71	569.57
New Britain .....	41.7	43.4	42.0	12.17	13.02	13.47	507.49	565.07	565.74
New Haven-Meriden .....	40.6	41.7	38.5	11.50	12.01	11.77	466.90	500.82	453.15
Stamford .....	41.6	42.8	42.3	11.88	11.77	11.71	494.21	503.76	495.33
Waterbury .....	42.3	44.2	39.1	11.42	11.40	11.84	483.07	503.88	462.94
<b>Delaware</b> .....	39.0	42.3	40.6	12.27	11.85	12.05	478.53	501.26	489.23
Wilmington .....	38.8	41.1	40.5	14.73	14.50	14.48	571.52	595.95	586.44
<b>District of Columbia:</b>									
Washington MSA .....	38.2	39.3	38.7	12.96	14.12	14.26	495.07	554.92	551.86
<b>Florida</b> .....	39.9	40.7	40.0	9.35	9.58	9.63	373.07	389.91	385.20
Fort Lauderdale-Hollywood-Pompano Beach .....	40.6	41.4	40.0	9.46	9.84	9.93	384.08	407.38	397.20
Jacksonville .....	41.7	41.8	41.4	9.78	10.14	10.17	407.83	423.85	421.04
Miami-Hialeah .....	39.3	39.7	39.2	7.63	7.95	8.09	299.86	315.62	317.13
Orlando .....	39.4	40.9	39.5	10.27	10.18	10.27	404.64	416.36	405.67
Pensacola .....	42.9	44.5	42.4	12.10	12.25	12.30	519.09	545.13	521.52
Tampa-St. Petersburg-Clearwater .....	39.7	40.8	40.3	9.63	9.96	9.97	382.31	406.37	401.79
West Palm Beach-Boca Raton-Deer Beach .....	40.8	39.2	38.7	9.74	10.25	10.32	397.39	401.80	399.38
<b>Georgia</b> .....	40.8	41.9	41.3	9.61	9.88	9.86	392.09	413.97	407.22
Atlanta .....	40.6	42.0	41.2	11.13	11.30	11.24	451.88	474.60	463.09
Savannah .....	45.5	47.0	47.3	12.14	13.07	12.99	552.37	614.29	614.43
<b>Hawaii</b> .....	39.3	39.6	39.5	11.32	11.64	11.56	444.88	460.94	456.62
Honolulu .....	39.4	39.5	39.5	11.74	12.19	12.23	462.56	481.51	483.09
<b>Idaho</b> .....	40.4	38.0	37.6	11.22	11.47	11.69	453.29	435.86	439.54

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	July 1991	June 1992	July 1992 <sup>p</sup>	July 1991	June 1992	July 1992 <sup>p</sup>	July 1991	June 1992	July 1992 <sup>p</sup>
<b>Illinois</b> .....	40.9	40.9	40.6	\$11.71	\$11.84	\$11.85	\$478.94	\$484.26	\$481.11
Aurora-Elgin .....	39.1	41.7	41.3	11.40	11.90	11.90	445.74	496.23	491.47
Bloomington-Normal .....	40.8	40.4	40.2	13.34	14.41	14.59	544.27	582.16	586.52
Champaign-Urbana-Rantoul .....	41.6	39.5	39.9	10.13	10.32	10.39	421.41	407.64	414.56
Chicago .....	41.0	40.9	40.8	11.52	11.67	11.70	472.32	477.30	477.36
Davenport-Rock Island-Moline .....	40.6	40.6	40.5	13.94	14.10	14.21	565.96	572.46	575.51
Decatur .....	41.7	41.1	42.0	14.74	15.08	15.09	614.66	619.79	633.78
Joliet .....	40.1	41.3	41.1	13.34	13.47	13.43	534.93	556.31	551.97
Kankakee .....	40.2	39.2	40.4	11.84	12.14	12.12	475.97	475.89	489.65
Lake County .....	39.7	39.4	39.4	11.95	11.60	11.69	474.42	457.04	460.59
Peoria .....	40.5	42.2	39.6	14.30	14.50	14.64	579.15	611.90	579.74
Rockford .....	39.8	40.6	40.0	12.55	12.87	12.88	499.49	522.52	515.20
Springfield .....	40.0	40.5	38.9	11.39	11.42	11.48	455.60	462.51	446.57
<b>Indiana</b> .....	41.0	42.5	41.4	12.44	12.80	12.69	510.04	544.00	525.37
Anderson .....	41.5	41.8	41.8	16.31	17.05	16.87	676.87	712.69	705.17
Bloomington .....	38.8	39.5	39.9	11.51	11.94	11.26	446.59	471.63	449.27
Elkhart-Goshen .....	38.3	40.8	39.5	10.22	10.24	10.34	391.43	417.79	408.43
Evansville .....	43.2	42.9	42.6	12.65	12.73	12.89	546.48	546.12	549.11
Fort Wayne .....	40.9	41.3	38.7	12.90	13.41	13.22	527.61	553.83	511.61
Gary-Hammond .....	42.7	43.6	45.5	16.65	16.81	16.05	710.96	732.92	730.28
Indianapolis .....	40.5	43.0	41.6	13.17	13.65	13.46	533.39	586.95	559.94
Kokomo .....	39.5	41.3	41.1	17.33	17.42	17.40	684.54	719.45	715.14
Lafayette-West Lafayette .....	41.9	43.5	43.4	12.93	13.40	13.28	541.77	582.90	576.35
Muncie .....	45.6	44.7	43.0	13.64	13.62	13.76	621.98	608.81	591.68
South Bend-Mishawaka .....	40.1	41.6	36.3	11.41	12.40	11.61	457.54	515.84	421.44
Terre Haute .....	40.3	42.7	42.1	11.06	11.66	12.05	445.72	497.88	507.31
<b>Iowa</b> .....	40.5	41.3	40.7	11.59	11.88	11.93	469.40	490.64	485.55
Cedar Rapids .....	38.8	38.9	40.0	14.17	14.53	14.74	549.80	565.22	589.60
Des Moines .....	42.0	42.2	42.0	12.65	12.90	12.84	531.30	544.38	539.28
Dubuque .....	40.3	41.7	42.4	12.27	12.18	12.54	494.48	507.91	531.70
Sioux City .....	37.6	38.8	38.0	9.58	9.76	9.58	360.21	378.69	364.04
<b>Kansas</b> .....	39.9	40.6	40.7	11.26	11.55	11.54	449.27	468.93	469.68
Topeka .....	38.8	41.0	40.4	13.52	13.71	13.49	524.58	562.11	545.00
Wichita .....	39.6	40.5	41.0	12.86	13.49	13.39	509.26	546.35	548.99
<b>Kentucky</b> .....	40.1	40.7	39.8	11.03	11.42	11.28	442.30	464.79	448.94
Lexington-Fayette .....	41.7	41.5	40.8	11.59	12.33	12.31	483.30	511.70	502.25
Louisville .....	40.6	41.6	40.9	12.51	12.92	12.92	507.91	537.47	528.43
<b>Louisiana</b> .....	42.1	42.4	42.2	11.89	12.12	12.16	500.57	513.89	513.15
Baton Rouge .....	43.9	45.2	44.5	13.93	14.31	14.11	611.53	646.81	627.90
New Orleans .....	40.4	39.2	39.7	11.37	11.82	11.83	459.35	463.34	469.65
Shreveport .....	41.3	40.1	39.8	13.08	13.10	13.31	540.20	525.31	529.74
<b>Maine</b> .....	38.9	40.6	39.5	11.33	11.34	11.67	440.74	460.40	460.97
Lewiston-Auburn .....	39.7	39.2	35.4	9.39	9.57	9.59	372.78	375.14	339.49
Portland .....	36.4	38.0	38.3	10.33	10.62	10.58	376.01	403.56	405.21
<b>Maryland</b> .....	40.5	40.8	40.5	11.73	12.46	12.45	475.07	508.37	504.23
Baltimore MSA .....	41.0	41.2	40.4	12.21	13.12	13.02	500.61	540.54	526.01
<b>Massachusetts</b> .....	40.5	41.3	40.8	11.86	12.02	12.10	480.33	496.43	493.68
Boston .....	40.5	40.6	40.6	12.62	12.76	12.85	511.11	518.06	521.71
Springfield .....	40.2	40.9	40.8	11.53	11.56	11.53	463.51	472.80	470.42
Worcester .....	41.6	41.5	40.3	10.77	11.53	11.51	448.03	478.50	463.85
<b>Michigan</b> .....	41.3	42.8	41.4	14.78	14.92	14.68	610.41	638.58	607.75
Ann Arbor .....	41.0	42.7	40.7	16.69	16.37	15.70	684.29	699.00	638.99
Battle Creek .....	42.5	42.7	41.7	15.26	17.56	17.83	648.55	749.81	743.51
Detroit .....	42.0	44.1	41.9	15.86	16.23	15.62	666.12	715.74	654.48
Flint .....	41.7	42.0	42.2	18.97	18.52	18.50	791.05	777.84	780.70
Grand Rapids .....	39.3	41.4	41.1	12.37	12.42	12.56	486.14	514.19	516.22
Jackson .....	39.8	43.0	40.6	10.64	11.13	10.94	423.47	478.59	444.16
Kalamazoo .....	41.7	42.2	43.7	14.75	14.79	15.46	615.07	624.14	675.60
Lansing-East Lansing .....	42.2	42.3	40.8	16.54	16.97	16.50	697.99	717.83	673.20
Muskegon .....	38.6	40.4	40.2	12.28	12.24	12.83	474.01	494.50	515.77
Saginaw-Bay City-Midland .....	41.8	43.6	44.2	16.70	16.61	16.57	698.06	724.20	732.39

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	July 1991	June 1992	July 1992 <sup>a</sup>	July 1991	June 1992	July 1992 <sup>a</sup>	July 1991	June 1992	July 1992 <sup>a</sup>
<b>Minnesota</b> .....	40.0	40.4	40.7	\$11.54	\$11.80	\$11.79	\$461.80	\$476.72	\$479.85
Duluth .....	40.7	41.3	40.5	11.68	11.85	11.77	475.38	489.41	476.69
Minneapolis-St. Paul .....	39.9	40.5	40.6	12.32	12.58	12.61	491.57	509.49	511.97
St. Cloud .....	40.3	39.6	39.9	10.20	10.36	10.42	411.06	410.26	415.76
<b>Mississippi</b> .....	39.4	40.6	39.8	8.61	8.86	8.88	339.23	359.72	353.42
Jackson .....	39.3	40.2	40.0	9.32	9.60	9.53	366.28	385.92	381.20
<b>Missouri</b> .....	40.0	40.7	39.9	10.98	11.24	11.30	439.20	457.47	450.87
Kansas City .....	41.1	41.1	40.8	12.38	13.03	13.11	508.82	535.53	534.89
St. Louis .....	41.7	42.2	41.5	13.21	13.62	13.66	550.86	574.76	566.89
Springfield .....	39.9	38.9	40.2	9.94	10.27	10.45	396.61	399.50	420.09
<b>Montana</b> .....	38.2	39.8	38.8	11.70	12.23	12.31	446.94	486.75	475.17
<b>Nebraska</b> .....	40.2	41.6	40.3	9.82	10.28	10.25	394.76	427.65	413.08
Lincoln .....	38.8	41.2	42.9	11.17	11.37	11.65	433.40	468.44	499.79
Omaha .....	40.3	42.2	40.4	10.58	11.01	10.65	426.37	464.62	430.26
<b>Nevada</b> .....	39.9	40.8	40.2	11.13	11.61	11.89	444.09	473.69	477.98
Las Vegas .....	38.9	41.1	40.6	12.88	12.73	13.29	501.03	523.20	539.57
<b>New Hampshire</b> .....	40.3	41.8	39.9	10.90	11.16	11.27	439.27	466.49	449.67
Manchester .....	41.5	42.1	41.8	10.75	10.97	11.20	446.13	461.84	468.16
Nashua .....	40.1	41.6	40.2	13.08	13.52	13.78	524.51	562.43	553.96
Portsmouth-Dover-Rochester .....	40.6	42.6	38.5	10.85	11.08	11.00	440.51	472.01	423.50
<b>New Jersey</b> .....	41.0	41.7	41.0	12.20	12.63	12.75	500.20	526.67	522.75
<b>New Mexico</b> .....	38.4	41.3	39.2	9.55	9.71	10.05	366.72	401.02	393.96
Albuquerque .....	39.4	40.5	40.1	9.71	10.04	10.21	382.57	406.62	409.42
<b>New York</b> .....	39.5	40.5	40.1	11.47	11.74	11.79	453.07	475.47	472.78
Albany-Schenectady-Troy .....	41.0	41.2	41.2	12.16	12.79	13.00	498.56	526.95	535.60
Binghamton .....	39.2	40.1	40.6	9.58	9.65	9.79	375.54	386.97	397.47
Buffalo .....	42.2	44.8	43.9	13.62	14.07	13.97	574.76	630.34	613.28
Elmira .....	40.0	40.4	39.9	10.43	10.83	10.82	417.20	437.53	431.72
Nassau-Suffolk .....	38.1	40.2	39.6	11.94	11.66	11.79	454.91	468.73	466.88
New York PMSA .....	37.4	38.0	37.5	10.43	10.60	10.86	390.08	402.80	399.75
New York City .....	37.2	37.7	37.2	10.20	10.35	10.43	379.44	390.20	388.00
Niagara Falls .....	39.2	40.9	40.4	14.79	15.22	15.14	579.77	622.50	611.66
Orange County .....	40.2	40.6	40.1	9.88	10.15	10.06	397.18	412.09	403.41
Poughkeepsie .....	40.0	37.0	37.6	11.19	11.31	11.24	447.60	418.47	422.62
Rochester .....	41.4	41.9	41.3	13.44	13.80	13.98	558.42	578.22	577.37
Rockland County .....	38.7	41.1	40.6	10.52	11.31	11.28	407.12	464.84	457.97
Syracuse .....	40.2	41.1	41.7	12.60	13.38	13.32	506.52	549.92	555.44
Utica-Rome .....	39.5	40.6	40.3	10.69	10.99	11.08	422.26	446.19	446.52
Westchester County .....	38.7	39.7	39.0	12.21	12.18	12.12	472.53	483.55	472.68
<b>North Carolina</b> .....	40.0	41.1	40.3	9.20	9.45	9.49	368.00	388.40	382.45
Asheville .....	40.6	42.1	41.2	9.09	9.51	9.48	369.05	400.37	390.58
Charlotte-Gastonia-Rock Hill .....	40.5	40.9	40.3	9.76	10.05	10.03	395.28	411.05	404.21
Greensboro-Winston-Salem-High Point .....	38.7	40.4	39.3	9.94	10.15	10.25	384.68	410.06	402.83
Raleigh-Durham .....	41.3	41.3	40.6	10.16	10.21	10.25	419.61	421.67	416.15
<b>North Dakota</b> .....	39.4	40.5	40.1	9.32	9.57	9.69	367.21	387.59	388.57
Fargo-Moorhead .....	37.7	39.2	38.0	8.88	9.04	9.15	334.78	354.37	347.70
<b>Ohio</b> .....	42.2	42.7	42.1	13.15	13.62	13.56	554.93	581.57	570.88
Akron .....	42.5	43.0	43.0	12.17	12.61	12.51	517.23	542.23	537.93
Canton .....	41.0	41.0	41.7	11.20	11.98	12.04	459.20	491.18	502.07
Cincinnati .....	43.1	42.4	42.0	12.77	12.98	12.96	550.39	550.35	544.32
Cleveland .....	42.2	42.7	41.4	12.59	13.02	12.80	531.30	555.95	529.92
Columbus .....	42.5	42.1	41.7	13.01	13.25	13.20	552.93	557.83	550.44
Dayton-Springfield .....	42.2	42.9	42.5	13.98	14.72	14.64	589.96	631.49	622.20
Toledo .....	42.3	42.8	43.0	13.66	14.89	14.88	577.82	637.29	639.84
Youngstown-Warren .....	40.4	43.0	42.9	15.14	16.13	16.10	611.66	693.59	690.69

See footnotes at end of table.



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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>
<b>Oklahoma</b> .....	40.1	41.1	40.8	\$10.96	\$11.51	\$11.52	\$439.50	\$473.06	\$470.02
Oklahoma City .....	41.0	41.5	41.7	12.00	12.85	12.61	492.00	533.28	525.84
Tulsa .....	40.6	41.2	41.4	11.55	11.99	12.09	468.93	493.99	500.53
<b>Oregon</b> .....	38.6	39.6	39.2	11.62	11.88	11.99	448.53	470.45	470.01
Eugene-Springfield .....	36.9	39.0	37.2	11.44	11.91	12.17	422.14	464.49	452.72
Medford .....	38.3	41.1	38.5	11.47	11.11	11.35	439.30	456.62	436.98
Portland .....	39.9	39.7	40.1	11.73	12.31	12.61	468.03	488.71	505.66
Salem .....	38.2	38.5	38.0	9.71	10.13	9.31	370.92	390.01	353.78
<b>Pennsylvania</b> .....	40.1	41.0	40.8	11.49	11.86	11.90	460.75	486.26	485.52
Allentown-Bethlehem .....	39.9	39.9	39.9	11.45	11.98	11.97	456.86	478.00	477.60
Altoona .....	39.3	40.2	39.8	9.80	9.91	9.97	385.14	398.38	396.81
Beaver County .....	44.3	45.0	45.1	11.37	11.73	11.85	503.69	527.85	534.44
Erie .....	42.2	43.2	43.3	12.20	12.07	12.44	514.84	521.42	538.65
Harrisburg-Lebanon-Carlisle .....	38.5	39.7	39.5	10.49	11.06	11.09	403.87	439.08	438.06
Johnstown .....	38.7	39.8	39.2	8.96	8.96	9.01	346.75	356.61	353.19
Lancaster .....	39.6	40.6	40.2	11.29	11.75	11.78	447.08	477.05	473.56
Philadelphia PMSA .....	39.6	40.5	40.1	12.62	13.04	13.08	499.75	528.12	524.51
Pittsburgh .....	41.0	42.4	41.8	11.83	12.41	12.44	485.03	526.18	519.99
Reading .....	40.6	40.9	41.2	12.02	12.26	12.20	488.01	501.43	502.64
Scranton-Wilkes-Barre .....	39.3	39.2	39.6	10.11	10.40	10.57	397.32	407.68	418.57
Sharon .....	41.4	43.3	42.9	12.20	12.42	12.44	505.08	537.79	533.68
State College .....	37.8	40.2	39.6	10.23	10.77	10.63	386.69	432.95	420.95
Williamsport .....	40.2	41.4	41.1	10.63	10.24	10.33	427.33	423.94	424.56
York .....	41.6	42.2	41.5	11.31	11.81	11.75	470.50	498.38	487.63
<b>Rhode Island</b> .....	39.2	41.0	40.4	9.78	9.80	9.89	383.38	401.80	399.56
Pawtucket-Woonsocket-Attleboro .....	38.8	41.3	41.5	9.16	9.34	9.31	355.41	385.74	386.37
Providence .....	38.8	40.8	40.0	10.00	10.00	10.14	388.00	408.00	405.60
<b>South Carolina</b> .....	41.1	41.9	41.6	9.20	9.47	9.48	378.12	396.79	394.37
Charleston .....	40.7	42.0	41.9	9.46	9.67	9.69	385.02	406.14	406.01
Columbia .....	40.9	42.0	42.0	9.53	10.08	10.11	389.78	423.36	424.62
Greenville-Spartanburg .....	40.8	42.1	41.8	9.21	9.65	9.66	375.77	406.27	403.79
<b>South Dakota</b> .....	41.0	42.0	39.9	8.66	8.61	8.83	355.06	361.62	352.32
Rapid City .....	41.0	42.3	41.3	9.34	8.93	9.01	382.94	377.74	372.11
Sioux Falls .....	40.5	42.6	38.0	8.85	8.74	9.53	358.43	372.32	362.14
<b>Tennessee</b> .....	39.0	40.5	39.7	9.96	10.05	10.26	388.44	407.03	407.32
Chattanooga .....	41.7	42.7	40.2	9.12	9.44	9.50	380.30	403.09	381.90
Johnson City-Kingsport-Bristol .....	39.2	38.5	38.7	10.88	10.07	10.26	426.50	387.70	397.06
Knoxville .....	39.4	40.6	38.6	10.00	10.06	10.42	394.00	408.44	402.21
Memphis .....	40.6	40.7	40.8	10.47	10.54	10.66	425.08	428.98	434.93
Nashville .....	40.5	40.3	39.9	11.36	11.43	11.59	460.08	460.63	462.44
<b>Texas</b> .....	41.6	42.7	42.6	10.83	11.03	11.06	450.53	470.98	471.16
Dallas .....	40.9	42.8	42.3	10.61	10.62	10.60	433.95	454.54	448.38
Ft. Worth-Arlington .....	41.2	41.2	41.8	11.55	11.97	11.94	475.86	493.16	499.09
Houston .....	44.4	44.1	44.1	12.49	13.06	13.23	554.56	575.95	583.44
San Antonio .....	40.1	41.8	41.3	8.21	8.20	8.11	329.22	342.76	334.94
<b>Utah</b> .....	39.4	40.6	39.9	10.79	11.00	11.10	425.13	446.60	442.89
Salt Lake City-Ogden .....	39.7	40.6	39.9	10.99	11.28	11.51	436.30	457.97	459.25
<b>Vermont</b> .....	39.6	41.3	39.2	11.11	11.89	11.95	439.96	491.06	468.44
Burlington .....	39.9	41.8	41.0	11.45	12.77	12.94	456.86	533.79	530.54
<b>Virginia</b> .....	40.7	41.5	40.8	10.49	10.73	10.77	426.94	445.30	439.42
Bristol .....	42.4	40.4	40.5	9.12	9.19	9.09	386.69	371.28	368.15
Charlottesville .....	39.6	38.8	36.7	9.12	9.49	9.51	361.15	368.21	349.02
Danville .....	42.9	44.3	42.8	10.14	10.71	10.92	435.01	474.45	467.38
Lynchburg .....	40.8	44.2	43.9	9.99	10.53	10.42	407.59	465.43	457.44
Northern Virginia .....	39.5	41.1	40.3	11.77	12.80	12.80	464.92	526.08	515.84
Richmond-Petersburg .....	40.6	43.0	42.2	13.59	14.10	14.17	551.75	606.30	597.97
Roanoke .....	40.0	42.3	40.6	12.06	12.43	12.17	482.40	525.79	494.10
<b>Washington</b> .....	39.3	40.1	39.8	13.50	13.43	13.55	530.55	538.54	539.29

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>
<b>West Virginia</b> .....	40.2	41.1	39.9	\$11.97	\$12.21	\$12.17	\$481.19	\$501.83	\$485.58
Charleston .....	42.3	44.1	44.6	14.23	14.67	14.68	601.93	646.95	654.73
Huntington-Ashland .....	40.1	41.2	41.0	13.86	14.15	14.15	555.79	582.98	580.15
Parkersburg-Marietta .....	41.0	44.5	41.0	14.31	14.64	14.39	586.71	651.48	589.99
Wheeling .....	41.8	38.8	38.3	15.18	14.46	14.18	634.52	561.05	543.09
<b>Wisconsin</b> .....	41.1	41.5	41.6	11.34	11.79	11.72	466.07	489.29	487.55
Appleton-Oshkosh .....	42.8	42.8	42.3	11.98	12.61	12.51	512.74	539.71	529.17
Eau Claire .....	46.0	41.6	42.2	11.96	12.06	12.31	550.16	501.70	519.48
Green Bay .....	43.6	42.6	42.0	12.52	12.73	12.68	545.87	542.30	532.56
Janesville-Beloit .....	40.3	44.5	43.6	13.98	15.11	15.19	563.39	672.40	662.28
Kenosha .....	40.7	41.5	40.8	12.12	12.48	11.83	493.28	517.92	482.66
La Crosse .....	42.1	40.4	40.6	10.78	10.40	10.36	453.84	420.16	420.62
Madison .....	42.0	40.8	40.7	10.64	10.94	10.81	446.86	446.35	439.97
Milwaukee .....	40.5	41.3	41.6	12.42	12.64	12.91	503.01	530.29	537.06
Racine .....	39.0	40.3	40.5	11.76	12.41	12.70	458.64	500.12	514.35
Sheboygan .....	41.0	39.7	39.5	11.27	11.94	11.72	462.07	474.02	462.94
Wausau .....	42.9	41.6	40.8	11.03	11.29	10.57	473.19	469.66	431.26
<b>Wyoming</b> .....	38.3	37.5	37.8	11.00	11.18	11.19	421.30	419.25	422.98
<b>Puerto Rico</b> .....	38.7	39.4	39.5	6.32	6.58	6.61	244.58	259.25	261.10
<b>Virgin Islands</b> .....	41.6	41.7	41.7	12.67	13.71	13.44	527.07	571.71	560.45

<sup>1</sup> Not available.

<sup>P</sup> = preliminary.

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

publication. All State and area data have been adjusted to March 1991 benchmarks.

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

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

Industry	Millions of hours (annual rate) <sup>1</sup>			Percent change		
	May 1992 <sup>r</sup>	June 1992 <sup>r</sup>	July 1992 <sup>p</sup>	July 1991 to July 1992 <sup>p</sup>	May 1992 to June 1992 <sup>r</sup>	June 1992 to July 1992 <sup>p</sup>
Total .....	201,074	200,158	200,115	0.8	-0.5	0.0
Private sector .....	163,969	162,906	162,789	.5	-6	-.1
Mining .....	1,479	1,422	1,416	-10.4	-3.9	-.4
Construction .....	9,370	9,167	9,137	-1.3	-2.2	-.3
Manufacturing .....	39,038	38,769	38,722	-.7	-.7	-.1
Durable goods .....	22,425	22,227	22,171	-1.7	-.9	-.3
Nondurable goods .....	16,613	16,542	16,551	.8	-.4	.1
Transportation and public utilities .....	11,591	11,569	11,590	.2	-.2	.2
Wholesale trade .....	11,936	11,863	11,826	-1.0	-.6	-.3
Retail trade .....	28,679	28,481	28,533	.1	-.7	.2
Finance, insurance, and real estate .....	12,489	12,383	12,304	.5	-.8	-.6
Services .....	49,388	49,252	49,261	2.9	-.3	.0
Government .....	37,105	37,251	37,325	1.8	.4	.2

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

<sup>p</sup> = preliminary.

<sup>r</sup> = revised.

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

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

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

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

Industry	Millions of hours (annual rate) <sup>1</sup>			Percent change		
	June 1992 <sup>r</sup>	July 1992 <sup>r</sup>	Aug. 1992 <sup>p</sup>	Aug. 1991 to Aug. 1992 <sup>p</sup>	June 1992 to July 1992 <sup>r</sup>	July 1992 to Aug. 1992 <sup>p</sup>
Total .....	200,101	199,944	201,440	1.0	-0.1	0.7
Private sector .....	162,904	162,688	164,224	.8	-.1	.9
Mining .....	1,428	1,424	1,452	-8.2	-.3	2.0
Construction .....	9,161	9,153	9,092	-1.3	-.1	-.7
Manufacturing .....	38,787	38,795	38,603	-1.3	.0	-.5
Durable goods .....	22,245	22,211	22,101	-2.3	-.2	-.5
Nondurable goods .....	16,543	16,584	16,502	.0	.2	-.5
Transportation and public utilities .....	11,561	11,589	11,696	.6	.2	.9
Wholesale trade .....	11,863	11,799	11,907	-.9	-.5	.9
Retail trade .....	28,489	28,425	28,816	.7	-.2	1.4
Finance, insurance, and real estate .....	12,382	12,300	12,647	1.9	-.7	2.8
Services .....	49,231	49,204	50,011	3.3	-.1	1.6
Government .....	37,197	37,256	37,216	1.9	.2	-.1

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

<sup>p</sup> = preliminary.

<sup>r</sup> = revised.

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

nonsupervisory workers, and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods*, BLS Bulletin 2285, chapter 10, Productivity Measures: Business Sector and Major Subsectors.

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

PRODUCTIVITY DATA  
SEASONALLY ADJUSTED

C-10. Indexes of productivity, hourly compensation, unit costs, and prices, seasonally adjusted<sup>1</sup>

(1982=100)

Item	Annual average		Quarterly index										
	1990'	1991'	1989	1990				1991				1992	
			IV'	I'	II'	III'	IV'	I'	II'	III'	IV'	I'	II'
<b>Business sector</b>													
Output per hour of all persons .....	109.7	109.7	109.3	109.5	110.2	109.8	109.5	109.1	109.4	109.9	110.7	111.8	112.2
Output .....	132.7	129.8	132.3	133.1	133.7	132.5	131.3	129.2	129.5	130.0	130.6	131.4	131.9
Hours .....	120.9	118.3	121.0	121.6	121.3	120.7	119.9	118.4	118.3	118.3	118.0	117.5	117.6
Compensation per hour .....	139.7	146.0	134.4	136.3	139.0	141.0	142.7	143.7	145.5	146.8	148.1	149.6	150.4
Real compensation per hour .....	103.1	103.4	103.0	102.7	103.6	103.4	102.9	102.8	103.5	103.7	103.7	104.0	103.7
Unit labor costs .....	127.3	133.1	122.9	124.5	126.0	128.4	130.3	131.8	133.0	133.7	133.7	133.8	134.0
Unit nonlabor payments .....	139.3	142.7	137.8	138.5	139.9	139.1	139.5	141.3	141.9	143.0	144.5	147.1	148.9
Implicit price deflator .....	131.2	136.2	127.8	129.1	130.6	131.9	133.3	134.9	136.0	136.7	137.3	138.2	138.9
<b>Nonfarm business sector</b>													
Output per hour of all persons .....	108.2	108.3	108.1	108.0	108.6	108.1	108.0	107.7	108.0	108.5	109.1	110.2	110.7
Output .....	132.9	130.0	132.7	133.5	134.0	132.7	131.5	129.4	129.7	130.2	130.7	131.5	132.1
Hours .....	122.9	120.1	122.8	123.6	123.3	122.8	121.7	120.2	120.1	120.1	119.8	119.3	119.3
Compensation per hour .....	138.4	144.8	133.3	135.0	137.6	139.6	141.5	142.6	144.4	145.7	146.8	148.2	149.2
Real compensation per hour .....	102.2	102.6	102.2	101.7	102.6	102.4	102.0	102.0	102.7	102.9	102.8	103.1	102.9
Unit labor costs .....	127.9	133.7	123.4	125.1	126.6	129.1	130.9	132.4	133.7	134.3	134.5	134.6	134.8
Unit nonlabor payments .....	139.9	143.9	138.5	139.0	140.4	139.6	140.7	142.6	142.7	144.2	146.1	148.6	150.5
Implicit price deflator .....	131.8	137.0	128.2	129.6	131.1	132.5	134.1	135.7	136.6	137.5	138.3	139.1	139.8
<b>Manufacturing</b>													
Output per hour of all persons .....	125.7	127.4	123.0	123.7	124.9	127.2	126.8	125.6	126.8	128.6	128.9	128.6	130.3
Output .....	135.0	131.9	133.5	134.1	135.4	136.6	133.9	130.3	131.0	133.2	133.3	132.6	134.3
Hours .....	107.4	103.6	108.6	108.4	108.4	107.4	105.6	103.7	103.3	103.6	103.4	103.1	103.1
Compensation per hour .....	133.8	139.9	129.8	130.8	133.1	134.6	136.6	138.0	139.4	140.4	141.9	141.2	142.3
Real compensation per hour .....	98.8	99.1	99.4	98.5	99.3	98.7	98.5	98.7	99.1	99.1	99.4	98.1	98.1
Unit labor costs .....	106.4	109.8	105.5	105.7	106.6	105.8	107.7	109.9	110.0	109.2	110.1	109.8	109.2
<b>Durable goods</b>													
Output per hour of all persons .....	135.4	136.8	131.2	132.0	134.6	137.9	136.6	134.9	136.1	138.1	138.4	137.3	140.3
Output .....	144.7	138.9	142.6	143.2	145.7	147.3	142.6	137.6	138.3	140.2	139.7	138.2	140.6
Hours .....	106.9	101.5	108.4	108.4	108.2	106.8	104.4	102.0	101.6	101.5	100.9	100.7	100.2
Compensation per hour .....	131.9	137.9	128.2	128.7	131.1	132.6	134.7	136.0	137.3	138.2	140.1	138.6	139.7
Real compensation per hour .....	97.4	97.7	98.3	97.0	97.8	97.2	97.1	97.3	97.6	97.6	98.1	96.3	96.3
Unit labor costs .....	97.4	100.7	97.7	97.5	97.4	96.2	98.6	100.8	100.9	100.1	101.2	100.9	99.6
<b>Nondurable goods</b>													
Output per hour of all persons .....	114.1	116.0	113.1	113.7	113.2	114.4	115.0	114.3	115.5	117.1	117.4	118.1	118.3
Output .....	123.4	123.5	122.6	123.3	123.1	123.7	123.5	121.4	122.1	124.9	125.6	125.7	126.9
Hours .....	108.1	106.5	108.4	108.4	108.7	108.2	107.4	106.2	105.7	106.6	107.0	106.5	107.2
Compensation per hour .....	137.3	143.9	132.4	134.2	136.6	138.1	140.2	142.0	143.6	144.7	145.7	146.2	147.5
Real compensation per hour .....	101.4	102.0	101.5	101.1	101.8	101.3	101.1	101.6	102.1	102.2	102.0	101.7	101.7
Unit labor costs .....	120.3	124.0	117.1	118.0	120.6	120.8	121.9	124.2	124.3	123.5	124.1	123.9	124.6
<b>Nonfinancial corporations</b>													
Output per all-employee hour .....	111.9	113.4	110.8	111.1	112.3	111.9	112.4	112.6	113.1	113.6	114.8	115.5	116.0
Output .....	136.9	134.8	136.0	137.0	138.1	136.8	135.8	134.1	134.3	134.9	136.0	136.8	137.7
Hours .....	122.3	118.8	122.8	123.3	122.9	122.3	120.8	119.0	118.7	118.7	118.5	118.5	118.7
Compensation per hour .....	136.4	142.5	131.5	133.1	135.7	137.6	139.4	140.4	142.1	143.3	144.5	145.2	146.0
Real compensation per hour .....	100.7	100.9	100.8	100.3	101.2	100.9	100.5	100.4	101.1	101.2	101.2	100.9	100.6
Total unit costs .....	120.4	124.7	117.8	118.4	119.1	121.4	122.7	123.9	124.7	125.3	125.0	124.6	124.6
Unit labor costs .....	121.9	125.6	118.7	119.8	120.8	123.0	124.0	124.6	125.7	126.2	125.9	125.7	125.8
Unit nonlabor costs .....	116.7	122.6	115.5	115.2	114.9	117.4	119.5	122.2	122.1	123.1	122.8	121.7	121.6
Unit profits .....	162.7	152.9	158.7	166.9	176.7	157.2	149.7	151.3	154.5	150.7	155.2	167.7	177.4
Implicit price deflator .....	123.0	126.5	120.3	121.4	122.7	123.6	124.4	125.6	126.5	126.9	126.9	127.3	127.9

<sup>1</sup> The productivity and cost measures incorporate revised output and compensation measures reported by the Bureau of Economic Analysis of the U.S. Department of Commerce on July 30, 1992.

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

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

**C-11. Percent changes from the preceding quarter and year in productivity, hourly compensation, unit costs, and prices, seasonally adjusted annual rates<sup>1</sup>**

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	I 1991'	II 1991'	III 1991'	IV 1991'	I 1992'	II 1992'	I 1991'	II 1991'	III 1991'	IV 1991'	I 1992'	II 1992'
<b>Business sector</b>												
Output per hour of all persons .....	-1.7	1.2	1.7	3.3	4.0	1.2	-0.4	-0.8	0.1	1.1	2.5	2.5
Output .....	-6.4	.9	1.6	2.0	2.3	1.6	-3.0	-3.2	-1.9	-5	1.7	1.9
Hours .....	-4.8	-3	-1	-1.2	-1.6	.5	-2.6	-2.5	-2.0	-1.6	-8	-6
Compensation per hour .....	2.9	5.1	3.6	3.5	4.1	2.0	5.4	4.7	4.1	3.8	4.1	3.3
Real compensation per hour .....	-3	2.6	.9	-1	1.3	-1.3	.1	-1	.3	.8	1.2	.2
Unit labor costs .....	4.7	3.9	1.9	.2	.1	.9	5.8	5.5	4.1	2.7	1.5	.8
Unit nonlabor payments .....	5.1	1.9	3.0	4.1	7.6	4.9	2.0	1.4	2.8	3.5	4.1	4.9
Implicit price deflator .....	4.8	3.2	2.3	1.6	2.6	2.3	4.5	4.1	3.6	3.0	2.4	2.2
<b>Nonfarm business sector</b>												
Output per hour of all persons .....	-1.3	1.3	1.7	2.5	3.8	2.0	-3	-6	.3	1.0	2.3	2.5
Output .....	-6.1	.9	1.5	1.6	2.3	2.0	-3.0	-3.2	-1.9	-6	1.6	1.8
Hours .....	-4.9	-4	-1	-9	-1.5	.0	-2.7	-2.6	-2.2	-1.6	-7	-6
Compensation per hour .....	3.1	5.3	3.7	3.1	3.9	2.6	5.6	5.0	4.4	3.8	4.0	3.3
Real compensation per hour .....	-1	2.7	1.0	-5	1.1	-8	.3	.1	.6	.8	1.1	.2
Unit labor costs .....	4.5	3.9	2.0	.6	.1	.6	5.9	5.6	4.0	2.7	1.6	.8
Unit nonlabor payments .....	5.7	.3	4.2	5.4	7.1	5.4	2.6	1.7	3.3	3.8	4.2	5.5
Implicit price deflator .....	4.9	2.7	2.7	2.2	2.4	2.2	4.7	4.2	3.8	3.1	2.5	2.4
<b>Manufacturing</b>												
Output per hour of all persons .....	-3.8	3.9	5.8	.9	-8	5.4	1.5	1.5	1.1	1.7	2.4	2.8
Output .....	-10.5	2.2	7.1	.2	-2.2	5.5	-2.9	-3.3	-2.5	-5	1.8	2.6
Hours .....	-7.0	-1.6	1.2	-7	-1.3	.1	-4.3	-4.7	-3.5	-2.1	-6	-2
Compensation per hour .....	4.3	4.2	2.7	4.4	-2.1	3.3	5.6	4.8	4.3	3.9	2.3	2.0
Real compensation per hour .....	1.0	1.7	.0	.8	-4.8	-1	.2	-1	.5	.9	-6	-1.0
Unit labor costs .....	8.4	.3	-3.0	3.5	-1.3	-2.0	4.0	3.2	3.2	2.2	-1	-7
<b>Durable goods</b>												
Output per hour of all persons .....	-4.9	3.7	5.9	.9	-3.2	8.9	2.2	1.1	.2	1.3	1.8	3.0
Output .....	-13.3	2.2	5.5	-1.5	-4.0	6.9	-3.9	-5.1	-4.8	-2.1	.5	1.6
Hours .....	-8.9	-1.4	-4	-2.4	-8	-1.8	-5.9	-6.1	-5.0	-3.3	-1.3	-1.4
Compensation per hour .....	4.0	3.9	2.8	5.6	-4.4	3.4	5.6	4.7	4.3	4.0	1.9	1.8
Real compensation per hour .....	.7	1.3	.1	2.0	-7.0	.0	.3	-2	.4	1.0	-1.0	-1.3
Unit labor costs .....	9.3	.2	-3.0	4.7	-1.2	-5.1	3.4	3.5	4.1	2.7	.1	-1.2
<b>Nondurable goods</b>												
Output per hour of all persons .....	-2.2	4.2	5.7	.9	2.4	.9	.5	2.0	2.4	2.1	3.3	2.4
Output .....	-6.4	2.3	9.3	2.5	.4	3.6	-1.5	-8	.9	1.8	3.6	3.9
Hours .....	-4.3	-1.9	3.4	1.6	-2.0	2.6	-2.0	-2.7	-1.4	-3	.3	1.4
Compensation per hour .....	5.3	4.7	3.0	2.9	1.4	3.5	5.8	5.2	4.7	4.0	3.0	2.7
Real compensation per hour .....	2.0	2.1	.3	-6	-1.4	.1	.5	.3	.9	.9	.1	-4
Unit labor costs .....	7.7	.4	-2.6	2.1	-9	2.6	5.2	3.1	2.3	1.8	-3	.3
<b>Nonfinancial corporations</b>												
Output per all-employee hour .....	.8	1.6	1.8	4.1	2.5	2.0	1.4	.7	1.6	2.1	2.5	2.6
Output .....	-4.9	.6	1.8	3.4	2.3	2.8	-2.1	-2.7	-1.4	.2	2.0	2.6
Hours .....	-5.6	-1.0	-1	-7	-2	.8	-3.4	-3.4	-2.9	-1.9	-5	.0
Compensation per hour .....	2.8	5.1	3.4	3.3	2.0	2.1	5.5	4.8	4.2	3.6	3.4	2.7
Real compensation per hour .....	-4	2.5	.7	-3	-8	-1.2	.2	-1	.3	.6	.5	-4
Total unit costs .....	4.0	2.4	2.0	-9	-1.4	.0	4.6	4.7	3.2	1.9	.5	-1
Unit labor costs .....	2.0	3.4	1.5	-8	-5	.2	4.1	4.1	2.6	1.5	.9	-1
Unit nonlabor costs .....	9.4	-3	3.3	-1.0	-3.5	-5	6.1	6.3	4.9	2.8	-4	-5
Unit profits .....	4.5	8.7	-9.7	12.6	36.3	25.2	-9.3	-12.6	-4.2	3.7	10.8	14.8
Implicit price deflator .....	4.1	2.8	1.1	.1	1.2	1.9	3.5	3.1	2.6	2.0	1.3	1.1

<sup>1</sup> The productivity and cost measures incorporate revised output and compensation measures reported by the Bureau of Economic Analysis of the U.S. Department of Commerce on July 30, 1992.

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

**HOUSEHOLD DATA  
REGIONS AND DIVISIONS  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Census region and division	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.
<b>NORTHEAST</b>													
Civilian noninstitutional population <sup>2</sup> .....	39,414	39,421	39,432	39,440	39,449	39,456	39,457	39,460	39,467	39,471	39,477	39,486	39,498
Civilian labor force .....	25,480	25,618	25,667	25,634	25,545	25,505	25,573	25,586	25,540	25,550	25,547	25,529	25,621
Employed .....	23,573	23,752	23,774	23,680	23,545	23,573	23,527	23,645	23,527	23,513	23,366	23,341	23,484
Unemployed .....	1,907	1,866	1,893	1,954	2,000	1,932	2,046	1,941	2,014	2,037	2,181	2,187	2,137
Unemployment rate .....	7.5	7.3	7.4	7.6	7.8	7.6	8.0	7.6	7.9	8.0	8.5	8.6	8.3
<b>New England</b>													
Civilian noninstitutional population <sup>2</sup> .....	10,172	10,175	10,181	10,184	10,189	10,192	10,195	10,197	10,201	10,203	10,206	10,211	10,216
Civilian labor force .....	6,971	7,071	7,102	7,145	7,118	7,068	7,082	7,009	7,007	7,016	6,981	7,060	7,081
Employed .....	6,402	6,462	6,512	6,553	6,508	6,540	6,550	6,469	6,427	6,482	6,410	6,523	6,533
Unemployed .....	569	609	590	592	610	527	532	541	580	534	571	538	548
Unemployment rate .....	8.2	8.6	8.3	8.3	8.6	7.5	7.5	7.7	8.3	7.6	8.2	7.6	7.7
<b>Middle Atlantic</b>													
Civilian noninstitutional population <sup>2</sup> .....	29,242	29,246	29,251	29,256	29,260	29,263	29,263	29,263	29,266	29,268	29,270	29,276	29,281
Civilian labor force .....	18,509	18,547	18,565	18,489	18,427	18,437	18,491	18,576	18,533	18,533	18,566	18,469	18,540
Employed .....	17,171	17,290	17,262	17,127	17,037	17,032	16,976	17,176	17,099	17,031	16,956	16,819	16,952
Unemployed .....	1,338	1,257	1,303	1,362	1,390	1,405	1,514	1,400	1,434	1,503	1,610	1,650	1,589
Unemployment rate .....	7.2	6.8	7.0	7.4	7.5	7.6	8.2	7.5	7.7	8.1	8.7	8.9	8.6
<b>SOUTH</b>													
Civilian noninstitutional population <sup>2</sup> .....	65,148	65,209	65,277	65,342	65,406	65,470	65,524	65,580	65,641	65,701	65,762	65,831	65,898
Civilian labor force .....	42,407	42,644	42,537	42,561	42,510	42,839	42,860	42,951	43,100	43,090	43,448	43,288	43,174
Employed .....	39,570	39,851	39,660	39,749	39,627	39,679	39,664	39,723	40,063	40,033	40,202	40,108	40,029
Unemployed .....	2,837	2,793	2,877	2,812	2,883	3,160	3,196	3,227	3,038	3,058	3,246	3,180	3,145
Unemployment rate .....	6.7	6.5	6.8	6.6	6.8	7.4	7.5	7.5	7.0	7.1	7.5	7.3	7.3
<b>South Atlantic</b>													
Civilian noninstitutional population <sup>2</sup> .....	33,618	33,660	33,704	33,749	33,792	33,835	33,872	33,913	33,954	33,994	34,038	34,083	34,126
Civilian labor force .....	22,135	22,339	22,230	22,260	22,243	22,244	22,304	22,458	22,440	22,404	22,551	22,569	22,463
Employed .....	20,709	20,941	20,834	20,841	20,779	20,623	20,584	20,559	20,887	20,840	20,966	20,919	20,780
Unemployed .....	1,426	1,398	1,396	1,419	1,464	1,621	1,721	1,732	1,571	1,564	1,585	1,650	1,683
Unemployment rate .....	6.4	6.3	6.3	6.4	6.6	7.3	7.7	7.8	7.0	7.0	7.0	7.3	7.5
<b>East South Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	11,648	11,653	11,660	11,667	11,672	11,679	11,684	11,687	11,693	11,699	11,703	11,711	11,718
Civilian labor force .....	7,215	7,228	7,202	7,194	7,097	7,215	7,164	7,204	7,193	7,246	7,402	7,388	7,383
Employed .....	6,681	6,704	6,695	6,693	6,577	6,692	6,658	6,698	6,712	6,713	6,845	6,850	6,865
Unemployed .....	534	524	507	501	520	523	506	506	481	533	557	538	518
Unemployment rate .....	7.4	7.2	7.0	7.0	7.3	7.2	7.1	7.0	6.7	7.4	7.5	7.3	7.0
<b>West South Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	19,882	19,896	19,913	19,926	19,942	19,956	19,968	19,980	19,994	20,008	20,021	20,038	20,053
Civilian labor force .....	13,057	13,077	13,105	13,107	13,170	13,380	13,392	13,456	13,449	13,440	13,495	13,331	13,328
Employed .....	12,180	12,206	12,131	12,215	12,271	12,365	12,423	12,466	12,464	12,479	12,391	12,339	12,384
Unemployed .....	877	871	974	892	899	1,016	969	989	985	961	1,104	992	944
Unemployment rate .....	6.7	6.7	7.4	6.8	6.8	7.6	7.2	7.4	7.3	7.1	8.2	7.4	7.1

See footnotes at end of table.

**HOUSEHOLD DATA  
REGIONS AND DIVISIONS  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Census region and division	1991					1992							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.
<b>MIDWEST</b>													
Civilian noninstitutional population <sup>2</sup> .....	45,711	45,725	45,751	45,771	45,785	45,804	45,813	45,829	45,846	45,858	45,877	45,895	45,917
Civilian labor force .....	30,632	30,716	30,694	30,716	30,894	31,195	31,225	31,247	31,159	31,335	31,292	31,496	31,445
Employed .....	28,740	28,767	28,743	28,741	28,846	29,144	29,162	29,187	29,069	29,138	29,069	29,321	29,439
Unemployed .....	1,892	1,949	1,951	1,975	2,048	2,051	2,063	2,060	2,090	2,197	2,224	2,175	2,005
Unemployment rate .....	6.2	6.3	6.4	6.4	6.6	6.6	6.6	6.6	6.7	7.0	7.1	6.9	6.4
<b>East North Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	32,234	32,244	32,262	32,276	32,287	32,300	32,307	32,319	32,331	32,340	32,353	32,367	32,383
Civilian labor force .....	21,272	21,308	21,278	21,277	21,375	21,596	21,647	21,722	21,574	21,826	21,878	21,923	21,887
Employed .....	19,832	19,816	19,785	19,761	19,773	20,026	19,995	20,128	19,977	20,164	20,149	20,189	20,328
Unemployed .....	1,440	1,492	1,493	1,516	1,602	1,570	1,652	1,594	1,598	1,661	1,729	1,733	1,559
Unemployment rate .....	6.8	7.0	7.0	7.1	7.5	7.3	7.6	7.3	7.4	7.6	7.9	7.9	7.1
<b>West North Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	13,477	13,481	13,489	13,495	13,498	13,503	13,506	13,510	13,515	13,518	13,523	13,529	13,533
Civilian labor force .....	9,360	9,408	9,416	9,439	9,519	9,599	9,578	9,525	9,585	9,509	9,415	9,573	9,557
Employed .....	8,908	8,951	8,958	8,980	9,073	9,118	9,167	9,059	9,093	8,974	8,920	9,132	9,112
Unemployed .....	452	457	458	459	446	481	411	466	492	536	495	442	446
Unemployment rate .....	4.8	4.9	4.9	4.9	4.7	5.0	4.3	4.9	5.1	5.6	5.3	4.6	4.7
<b>WEST</b>													
Civilian noninstitutional population <sup>2</sup> .....	39,698	39,765	39,831	39,898	39,965	40,030	40,089	40,153	40,214	40,277	40,340	40,409	40,478
Civilian labor force .....	26,451	26,645	26,565	26,535	26,698	26,803	26,817	26,914	26,855	26,962	27,027	27,156	27,149
Employed .....	24,670	24,801	24,694	24,684	24,763	24,743	24,653	24,747	24,868	24,888	24,839	25,007	24,856
Unemployed .....	1,781	1,844	1,871	1,851	1,935	2,060	2,164	2,167	1,987	2,074	2,187	2,149	2,293
Unemployment rate .....	6.7	6.9	7.0	7.0	7.2	7.7	8.1	8.1	7.4	7.7	8.1	7.9	8.4
<b>Mountain</b>													
Civilian noninstitutional population <sup>2</sup> .....	10,078	10,091	10,103	10,115	10,128	10,139	10,151	10,162	10,172	10,183	10,194	10,208	10,221
Civilian labor force .....	6,764	6,772	6,752	6,738	6,785	6,889	6,831	6,956	6,933	6,893	6,834	6,851	6,782
Employed .....	6,389	6,381	6,354	6,324	6,341	6,430	6,390	6,482	6,484	6,441	6,392	6,420	6,349
Unemployed .....	375	391	398	414	444	458	441	474	449	451	443	431	432
Unemployment rate .....	5.5	5.8	5.9	6.1	6.5	6.6	6.5	6.8	6.5	6.5	6.5	6.3	6.4
<b>Pacific</b>													
Civilian noninstitutional population <sup>2</sup> .....	29,620	29,674	29,728	29,783	29,837	29,890	29,938	29,991	30,042	30,094	30,145	30,202	30,256
Civilian labor force .....	19,687	19,873	19,813	19,797	19,913	19,914	19,987	19,958	19,921	20,069	20,192	20,305	20,368
Employed .....	18,281	18,420	18,340	18,360	18,422	18,312	18,263	18,265	18,384	18,447	18,448	18,587	18,507
Unemployed .....	1,406	1,453	1,473	1,437	1,491	1,602	1,723	1,693	1,537	1,623	1,745	1,718	1,860
Unemployment rate .....	7.1	7.3	7.4	7.3	7.5	8.0	8.6	8.5	7.7	8.1	8.6	8.5	9.1

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

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

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

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



**STATE LABOR FORCE DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

State	1991						1992						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>2</sup>
<b>Alabama</b>													
Civilian labor force .....	1,885.8	1,883.2	1,886.7	1,893.7	1,878.4	1,892.5	1,916.7	1,924.2	1,895.5	1,901.7	1,918.0	1,941.0	1,954.5
Employed .....	1,754.2	1,752.8	1,757.8	1,760.7	1,752.3	1,753.4	1,785.4	1,781.5	1,757.2	1,758.6	1,762.7	1,784.1	1,800.1
Unemployed .....	131.6	130.3	128.9	133.0	126.1	139.0	131.3	142.7	138.2	143.0	155.3	156.8	154.5
Unemployment rate .....	7.0	6.9	6.8	7.0	6.7	7.3	6.8	7.4	7.3	7.5	8.1	8.1	7.9
<b>Alaska</b>													
Civilian labor force .....	259.1	258.1	256.1	257.8	258.4	257.5	257.5	256.5	258.7	258.5	260.2	263.4	265.7
Employed .....	235.8	235.4	233.9	233.0	232.5	232.4	232.9	233.1	236.0	236.5	236.3	238.2	239.3
Unemployed .....	23.3	22.7	22.3	24.7	25.9	25.1	24.6	23.4	22.7	22.0	23.9	25.2	26.4
Unemployment rate .....	9.0	8.8	8.7	9.6	10.0	9.7	9.5	9.1	8.8	8.5	9.2	9.6	9.9
<b>Arizona</b>													
Civilian labor force .....	1,694.3	1,696.1	1,697.2	1,700.7	1,720.9	1,725.1	1,753.4	1,739.1	1,730.7	1,731.1	1,698.3	1,725.0	1,732.8
Employed .....	1,605.8	1,600.7	1,595.2	1,588.8	1,597.6	1,589.5	1,598.3	1,594.2	1,586.4	1,600.3	1,576.9	1,601.3	1,614.0
Unemployed .....	88.5	95.5	102.0	111.9	123.4	135.6	155.2	144.9	144.4	130.8	121.4	123.8	118.8
Unemployment rate .....	5.2	5.6	6.0	6.6	7.2	7.9	8.8	8.3	8.3	7.6	7.2	7.2	6.9
<b>Arkansas</b>													
Civilian labor force .....	1,114.2	1,117.8	1,113.1	1,114.6	1,115.6	1,116.9	1,141.6	1,143.7	1,165.4	1,178.3	1,167.2	1,154.6	1,169.0
Employed .....	1,030.1	1,032.0	1,031.1	1,024.7	1,036.8	1,034.7	1,053.2	1,062.6	1,089.4	1,088.6	1,086.0	1,066.4	1,085.7
Unemployed .....	84.1	85.7	81.9	89.8	78.8	82.3	88.4	81.1	76.0	89.7	81.2	88.2	83.3
Unemployment rate .....	7.5	7.7	7.4	8.1	7.1	7.4	7.7	7.1	6.5	7.6	7.0	7.6	7.1
<b>California<sup>1</sup></b>													
Civilian labor force .....	14,748.0	14,863.0	14,967.0	14,974.0	14,982.0	15,087.0	14,975.2	15,098.5	15,063.6	14,942.9	15,092.7	15,280.7	15,244.6
Employed .....	13,623.0	13,746.0	13,816.0	13,813.0	13,864.0	13,932.0	13,758.8	13,781.4	13,785.4	13,741.7	13,777.8	13,826.6	13,880.6
Unemployed .....	1,125.0	1,117.0	1,151.0	1,161.0	1,118.0	1,155.0	1,216.4	1,317.2	1,278.2	1,201.2	1,314.8	1,454.1	1,364.0
Unemployment rate .....	7.6	7.5	7.7	7.8	7.5	7.7	8.1	8.7	8.5	8.0	8.7	9.5	8.9
<b>Colorado</b>													
Civilian labor force .....	1,756.1	1,733.2	1,746.3	1,754.4	1,766.6	1,762.6	1,795.5	1,759.6	1,762.0	1,769.2	1,761.6	1,774.1	1,763.7
Employed .....	1,668.7	1,651.4	1,660.9	1,667.4	1,669.7	1,665.1	1,700.3	1,659.6	1,665.4	1,670.6	1,643.6	1,653.2	1,653.7
Unemployed .....	87.3	81.8	85.4	87.0	96.9	97.5	95.2	100.0	96.6	98.7	118.1	120.9	110.0
Unemployment rate .....	5.0	4.7	4.9	5.0	5.5	5.5	5.3	5.7	5.5	5.6	6.7	6.8	6.2
<b>Connecticut</b>													
Civilian labor force .....	1,799.2	1,818.9	1,811.3	1,812.5	1,815.7	1,799.8	1,818.6	1,812.6	1,783.9	1,764.2	1,770.6	1,742.0	1,779.0
Employed .....	1,669.5	1,685.8	1,680.8	1,686.3	1,686.7	1,667.9	1,682.4	1,677.9	1,656.0	1,638.0	1,649.4	1,617.3	1,656.7
Unemployed .....	129.7	133.1	130.4	126.2	129.1	131.9	136.1	134.7	127.9	126.2	121.1	124.7	122.3
Unemployment rate .....	7.2	7.3	7.2	7.0	7.1	7.3	7.5	7.4	7.2	7.2	6.8	7.2	6.9
<b>Delaware</b>													
Civilian labor force .....	364.9	363.6	363.0	364.8	364.4	365.2	368.8	367.9	365.4	369.3	366.3	367.6	366.9
Employed .....	343.3	339.4	340.7	343.4	343.8	343.2	348.0	351.5	342.9	348.3	345.7	342.2	345.1
Unemployed .....	21.6	24.2	22.2	21.4	20.6	22.0	20.8	16.5	22.5	21.0	20.7	25.3	21.8
Unemployment rate .....	5.9	6.7	6.1	5.9	5.7	6.0	5.6	4.5	6.1	5.7	5.6	6.9	5.9
<b>District of Columbia</b>													
Civilian labor force .....	282.7	281.2	279.1	276.9	276.9	276.5	284.6	284.8	285.9	288.1	281.6	281.7	276.0
Employed .....	261.3	259.3	256.8	253.0	253.1	252.0	261.7	262.4	262.4	266.5	257.5	258.2	251.4
Unemployed .....	21.4	21.9	22.3	23.9	23.8	24.6	22.9	22.4	23.5	21.6	24.1	23.5	24.6
Unemployment rate .....	7.6	7.8	8.0	8.6	8.6	8.9	8.0	7.9	8.2	7.5	8.5	8.3	8.9
<b>Florida<sup>1</sup></b>													
Civilian labor force .....	6,420.0	6,456.0	6,464.0	6,449.0	6,490.0	6,436.0	6,438.2	6,478.9	6,459.0	6,496.3	6,540.1	6,591.1	6,644.1
Employed .....	5,926.0	5,957.0	5,958.0	5,974.0	6,018.0	5,952.0	5,881.0	5,921.9	5,902.4	5,954.6	6,023.3	6,031.2	6,073.1
Unemployed .....	494.0	499.0	506.0	475.0	472.0	484.0	557.2	557.1	556.6	541.7	516.7	559.9	571.0
Unemployment rate .....	7.7	7.7	7.8	7.4	7.3	7.5	8.7	8.6	8.6	8.3	7.9	8.5	8.6

See footnotes at end of table.

**STATE LABOR FORCE DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

State	1991						1992						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>P</sup>
<b>Georgia</b>													
Civilian labor force .....	3,162.7	3,155.6	3,140.7	3,151.3	3,145.0	3,152.4	3,205.0	3,216.6	3,228.3	3,219.1	3,234.6	3,220.8	3,233.5
Employed .....	3,008.2	3,001.2	3,002.6	3,012.5	3,012.0	3,016.3	3,034.5	3,005.8	3,014.0	3,025.9	3,033.1	3,018.1	3,005.3
Unemployed .....	154.5	154.5	138.1	138.8	133.0	136.1	170.5	210.8	214.3	193.2	201.4	202.7	228.2
Unemployment rate .....	4.9	4.9	4.4	4.4	4.2	4.3	5.3	6.6	6.6	6.0	6.2	6.3	7.1
<b>Hawaii</b>													
Civilian labor force .....	563.7	562.6	564.7	563.4	559.5	562.8	567.6	562.4	561.7	561.4	559.5	566.1	571.4
Employed .....	548.5	547.6	549.5	547.6	543.4	544.8	548.2	542.2	542.2	540.3	536.5	540.2	544.8
Unemployed .....	15.2	15.0	15.2	15.8	16.1	17.9	19.4	20.3	19.4	21.2	23.0	25.9	26.6
Unemployment rate .....	2.7	2.7	2.7	2.8	2.9	3.2	3.4	3.6	3.5	3.8	4.1	4.6	4.7
<b>Idaho</b>													
Civilian labor force .....	505.9	506.2	506.7	507.4	508.5	506.2	505.6	506.9	509.1	513.0	513.3	512.7	517.9
Employed .....	475.3	477.7	476.9	478.9	476.9	473.5	473.3	474.1	476.8	480.1	483.3	481.2	486.9
Unemployed .....	30.5	28.5	29.7	28.4	31.6	32.7	32.4	32.8	32.3	32.9	30.0	31.5	30.9
Unemployment rate .....	6.0	5.6	5.9	5.6	6.2	6.5	6.4	6.5	6.3	6.4	5.8	6.1	6.0
<b>Illinois<sup>1</sup></b>													
Civilian labor force .....	6,032.0	6,031.0	6,004.0	5,979.0	5,973.0	6,049.0	6,124.2	6,093.6	6,089.9	6,044.4	6,179.0	6,219.9	6,102.2
Employed .....	5,618.0	5,589.0	5,562.0	5,510.0	5,470.0	5,497.0	5,618.8	5,572.6	5,612.7	5,568.7	5,681.9	5,683.0	5,590.2
Unemployed .....	414.0	442.0	442.0	469.0	503.0	552.0	505.4	520.9	477.2	475.7	497.1	536.9	512.0
Unemployment rate .....	6.9	7.3	7.4	7.8	8.4	9.1	8.3	8.5	7.8	7.9	8.0	8.6	8.4
<b>Indiana</b>													
Civilian labor force .....	2,802.3	2,790.7	2,785.9	2,782.9	2,771.6	2,754.9	2,795.0	2,821.7	2,803.4	2,799.1	2,804.5	2,855.4	2,916.2
Employed .....	2,641.5	2,641.1	2,625.5	2,614.6	2,604.9	2,580.0	2,636.2	2,672.5	2,653.2	2,637.9	2,620.2	2,663.0	2,723.7
Unemployed .....	160.8	149.5	160.4	168.3	166.7	174.9	158.8	149.2	150.1	161.1	184.3	192.4	192.5
Unemployment rate .....	5.7	5.4	5.8	6.0	6.0	6.3	5.7	5.3	5.4	5.8	6.6	6.7	6.6
<b>Iowa</b>													
Civilian labor force .....	1,510.5	1,523.4	1,512.9	1,518.0	1,532.5	1,537.4	1,549.3	1,542.4	1,551.5	1,524.7	1,532.9	1,531.7	1,533.6
Employed .....	1,441.0	1,451.6	1,443.9	1,448.9	1,463.9	1,470.9	1,480.9	1,480.0	1,479.4	1,449.6	1,447.0	1,453.7	1,465.4
Unemployed .....	69.5	71.7	69.0	69.0	68.6	66.5	68.4	62.4	72.2	75.1	85.9	78.0	68.2
Unemployment rate .....	4.6	4.7	4.6	4.5	4.5	4.3	4.4	4.0	4.7	4.9	5.6	5.1	4.4
<b>Kansas</b>													
Civilian labor force .....	1,290.8	1,296.6	1,298.5	1,302.1	1,293.6	1,312.3	1,323.7	1,318.5	1,321.5	1,323.4	1,324.5	1,310.8	1,316.0
Employed .....	1,234.2	1,239.6	1,245.5	1,246.7	1,238.5	1,259.5	1,271.7	1,271.3	1,274.3	1,273.7	1,270.7	1,253.9	1,265.7
Unemployed .....	56.5	57.0	53.0	55.4	55.1	52.8	52.0	47.2	47.1	49.7	53.7	56.9	50.3
Unemployment rate .....	4.4	4.4	4.1	4.3	4.3	4.0	3.9	3.6	3.6	3.8	4.1	4.3	3.8
<b>Kentucky</b>													
Civilian labor force .....	1,721.5	1,754.3	1,758.5	1,755.3	1,751.3	1,753.7	1,763.6	1,755.0	1,743.6	1,742.0	1,736.2	1,744.8	1,749.0
Employed .....	1,589.8	1,609.2	1,616.0	1,614.7	1,613.6	1,614.1	1,629.3	1,629.2	1,635.8	1,645.4	1,639.2	1,636.0	1,627.1
Unemployed .....	131.8	145.1	142.4	140.6	137.7	139.6	134.3	125.8	107.7	96.6	97.0	108.7	121.9
Unemployment rate .....	7.7	8.3	8.1	8.0	7.9	8.0	7.6	7.2	6.2	5.5	5.6	6.2	7.0
<b>Louisiana</b>													
Civilian labor force .....	1,948.5	1,948.1	1,949.6	1,955.8	1,949.8	1,950.0	1,940.8	1,951.3	1,954.0	1,966.7	1,948.7	1,968.4	1,930.4
Employed .....	1,802.1	1,801.5	1,810.6	1,808.9	1,819.4	1,813.9	1,795.5	1,818.5	1,819.3	1,809.8	1,809.8	1,816.7	1,767.4
Unemployed .....	146.4	146.6	139.0	146.9	130.4	136.1	145.3	132.8	134.7	156.9	138.9	151.7	163.0
Unemployment rate .....	7.5	7.5	7.1	7.5	6.7	7.0	7.5	6.8	6.9	8.0	7.1	7.7	8.4
<b>Maine</b>													
Civilian labor force .....	645.2	642.8	645.0	648.2	642.9	648.3	649.1	647.8	649.6	650.3	659.1	655.1	655.2
Employed .....	595.8	595.4	596.0	605.2	599.9	600.9	599.3	596.2	602.5	601.3	620.7	608.6	613.6
Unemployed .....	49.4	47.4	49.0	43.1	43.1	47.4	49.8	51.6	47.2	49.0	38.3	46.6	41.6
Unemployment rate .....	7.7	7.4	7.6	6.6	6.7	7.3	7.7	8.0	7.3	7.5	5.8	7.1	6.3

See footnotes at end of table.

**STATE LABOR FORCE DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

State	1991						1992						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>P</sup>
<b>Maryland</b>													
Civilian labor force .....	2,561.7	2,567.7	2,588.7	2,564.9	2,573.9	2,548.8	2,571.8	2,561.5	2,555.9	2,606.9	2,605.6	2,629.8	2,639.5
Employed .....	2,413.3	2,416.0	2,439.3	2,411.4	2,413.0	2,381.4	2,397.3	2,382.6	2,367.5	2,429.0	2,423.1	2,448.9	2,463.7
Unemployed .....	148.4	151.7	149.3	153.6	160.9	167.4	174.5	178.9	188.4	177.8	182.5	180.9	175.9
Unemployment rate .....	5.8	5.9	5.8	6.0	6.3	6.6	6.8	7.0	7.4	6.8	7.0	6.9	6.7
<b>Massachusetts<sup>1</sup></b>													
Civilian labor force .....	3,108.0	3,072.0	3,139.0	3,150.0	3,157.0	3,164.0	3,130.6	3,129.6	3,143.4	3,089.6	3,122.8	3,148.9	3,149.8
Employed .....	2,827.0	2,789.0	2,851.0	2,867.0	2,880.0	2,889.0	2,883.9	2,895.4	2,856.7	2,824.6	2,864.1	2,870.4	2,888.4
Unemployed .....	281.0	283.0	288.0	283.0	277.0	275.0	246.6	234.2	266.7	265.0	258.7	278.5	261.4
Unemployment rate .....	9.0	9.2	9.2	9.0	8.8	8.7	7.9	7.5	9.1	8.6	8.3	8.8	8.3
<b>Michigan<sup>1</sup></b>													
Civilian labor force .....	4,461.0	4,447.0	4,512.0	4,520.0	4,547.0	4,559.0	4,607.3	4,600.7	4,641.3	4,572.7	4,622.7	4,586.0	4,638.4
Employed .....	4,086.0	4,042.0	4,081.0	4,114.0	4,112.0	4,138.0	4,199.3	4,185.1	4,208.6	4,142.4	4,223.9	4,181.6	4,201.3
Unemployed .....	375.0	405.0	431.0	406.0	435.0	421.0	407.9	415.6	432.7	430.3	398.8	404.5	437.0
Unemployment rate .....	8.4	9.1	9.6	9.0	9.6	9.2	8.9	9.0	9.3	9.4	8.6	8.8	9.4
<b>Minnesota</b>													
Civilian labor force .....	2,460.7	2,429.6	2,398.3	2,400.0	2,382.4	2,377.8	2,402.4	2,404.9	2,401.2	2,428.3	2,443.1	2,409.0	2,447.3
Employed .....	2,349.1	2,307.1	2,274.4	2,277.2	2,253.9	2,250.5	2,272.4	2,295.5	2,266.9	2,314.3	2,305.9	2,273.6	2,341.0
Unemployed .....	111.5	122.6	123.9	122.8	128.5	127.2	130.0	109.4	134.3	114.0	137.2	135.3	106.3
Unemployment rate .....	4.5	5.0	5.2	5.1	5.4	5.4	5.4	4.5	5.6	4.7	5.6	5.6	4.3
<b>Mississippi</b>													
Civilian labor force .....	1,185.6	1,174.8	1,172.7	1,171.4	1,161.3	1,145.6	1,162.8	1,167.1	1,167.3	1,157.7	1,158.9	1,186.2	1,188.6
Employed .....	1,080.8	1,074.7	1,076.0	1,077.4	1,072.7	1,055.1	1,068.6	1,071.2	1,074.2	1,065.2	1,057.5	1,074.8	1,084.8
Unemployed .....	104.8	100.1	96.7	94.0	88.6	90.5	93.9	95.9	93.1	92.5	101.3	111.5	103.8
Unemployment rate .....	8.8	8.5	8.2	8.0	7.6	7.9	8.1	8.2	8.0	8.0	8.7	9.4	8.7
<b>Missouri</b>													
Civilian labor force .....	2,674.0	2,659.8	2,695.4	2,693.9	2,706.5	2,721.0	2,729.5	2,735.0	2,727.4	2,739.7	2,696.6	2,697.3	2,715.5
Employed .....	2,493.5	2,477.0	2,522.3	2,518.1	2,536.2	2,554.9	2,560.4	2,589.5	2,579.3	2,580.6	2,515.2	2,511.0	2,539.0
Unemployed .....	180.5	182.8	173.1	175.7	170.3	166.2	169.1	145.5	148.1	159.1	181.4	186.3	176.5
Unemployment rate .....	6.8	6.9	6.4	6.5	6.3	6.1	6.2	5.3	5.4	5.8	6.7	6.9	6.5
<b>Montana</b>													
Civilian labor force .....	401.7	401.8	402.3	401.7	404.0	406.9	411.4	412.3	415.4	414.9	412.7	411.7	410.7
Employed .....	373.6	373.4	374.4	373.7	374.5	377.8	377.4	382.1	389.3	388.5	384.4	381.4	386.0
Unemployed .....	28.1	28.4	27.9	28.0	29.5	29.0	34.1	30.2	26.1	26.4	28.3	30.3	24.7
Unemployment rate .....	7.0	7.1	6.9	7.0	7.3	7.1	8.3	7.3	6.3	6.4	6.9	7.4	6.0
<b>Nebraska</b>													
Civilian labor force .....	856.9	858.0	856.3	852.7	844.3	848.6	848.1	856.3	848.8	848.5	861.3	867.1	873.6
Employed .....	833.5	833.9	833.1	829.3	819.7	823.7	822.6	835.1	827.1	824.9	832.3	837.1	847.1
Unemployed .....	23.4	24.1	23.2	23.4	24.7	24.9	25.6	21.2	21.8	23.6	29.0	29.9	26.4
Unemployment rate .....	2.7	2.8	2.7	2.7	2.9	2.9	3.0	2.5	2.6	2.8	3.4	3.5	3.0
<b>Nevada</b>													
Civilian labor force .....	648.6	649.4	653.8	653.7	654.4	659.1	662.8	668.0	670.2	666.3	666.1	666.1	674.7
Employed .....	612.7	614.7	617.4	617.6	616.5	619.9	618.6	622.1	626.5	626.3	627.7	622.1	627.5
Unemployed .....	35.8	34.7	36.4	36.2	37.9	39.3	44.2	45.9	43.6	40.0	38.3	44.0	47.3
Unemployment rate .....	5.5	5.3	5.6	5.5	5.8	6.0	6.7	6.9	6.5	6.0	5.8	6.6	7.0
<b>New Hampshire</b>													
Civilian labor force .....	639.2	632.0	630.3	626.5	624.6	622.6	628.4	639.7	638.3	638.4	628.5	617.8	618.9
Employed .....	593.4	585.4	584.1	580.3	576.9	573.1	580.6	594.3	593.1	589.4	581.1	570.7	574.4
Unemployed .....	45.7	46.6	46.1	46.2	47.7	49.5	47.8	45.4	45.1	49.0	47.4	47.1	44.5
Unemployment rate .....	7.2	7.4	7.3	7.4	7.6	7.9	7.6	7.1	7.1	7.7	7.5	7.6	7.2

See footnotes at end of table.

STATE LABOR FORCE DATA  
SEASONALLY ADJUSTED

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

(Numbers in thousands)

State	1991						1992						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>a</sup>
<b>New Jersey<sup>1</sup></b>													
Civilian labor force .....	4,046.0	4,031.0	4,043.0	4,030.0	3,985.0	3,995.0	4,023.6	4,020.5	4,046.7	4,049.2	4,013.8	3,998.5	3,982.9
Employed .....	3,787.0	3,761.0	3,785.0	3,756.0	3,702.0	3,707.0	3,751.7	3,713.2	3,760.8	3,735.0	3,654.3	3,630.9	3,591.6
Unemployed .....	259.0	270.0	258.0	274.0	283.0	288.0	271.9	307.3	286.0	314.2	359.5	367.6	391.2
Unemployment rate .....	6.4	6.7	6.4	6.8	7.1	7.2	6.8	7.6	7.1	7.8	9.0	9.2	9.8
<b>New Mexico</b>													
Civilian labor force .....	717.2	714.4	715.8	717.9	719.2	723.4	728.1	729.7	727.6	720.9	719.6	720.6	719.7
Employed .....	669.4	667.7	669.1	671.6	671.2	673.7	672.6	675.3	675.8	671.2	670.3	667.9	668.9
Unemployed .....	47.8	46.8	46.7	46.3	48.0	49.7	55.5	54.4	51.8	49.7	49.3	52.7	50.8
Unemployment rate .....	6.7	6.5	6.5	6.4	6.7	6.9	7.6	7.5	7.1	6.9	6.9	7.3	7.1
<b>New York<sup>1</sup></b>													
Civilian labor force .....	8,537.0	8,553.0	8,569.0	8,553.0	8,544.0	8,479.0	8,435.1	8,463.0	8,543.4	8,544.7	8,545.9	8,599.3	8,523.6
Employed .....	7,924.0	7,911.0	7,978.0	7,924.0	7,866.0	7,798.0	7,724.4	7,712.8	7,857.5	7,895.0	7,866.6	7,810.9	7,721.3
Unemployed .....	613.0	642.0	591.0	629.0	678.0	681.0	710.7	750.2	685.9	649.7	679.2	788.4	802.3
Unemployment rate .....	7.2	7.5	6.9	7.4	7.9	8.0	8.4	8.9	8.0	7.6	7.9	9.2	9.4
<b>North Carolina<sup>1</sup></b>													
Civilian labor force .....	3,436.0	3,472.0	3,518.0	3,479.0	3,468.0	3,436.0	3,440.9	3,441.9	3,461.8	3,446.1	3,434.9	3,501.3	3,508.2
Employed .....	3,228.0	3,267.0	3,313.0	3,287.0	3,272.0	3,239.0	3,244.2	3,228.8	3,243.7	3,258.8	3,239.5	3,274.8	3,288.7
Unemployed .....	208.0	205.0	205.0	192.0	196.0	197.0	196.6	213.2	218.2	187.3	195.3	226.5	219.5
Unemployment rate .....	6.1	5.9	5.8	5.5	5.7	5.7	5.7	6.2	6.3	5.4	5.7	6.5	6.3
<b>North Dakota</b>													
Civilian labor force .....	313.5	313.0	314.2	315.8	314.8	314.8	316.9	316.0	319.8	320.6	320.2	318.1	310.7
Employed .....	300.3	299.1	302.3	303.1	301.8	301.8	302.3	302.7	305.0	306.9	303.3	301.3	294.8
Unemployed .....	13.2	13.9	11.8	12.7	12.9	13.0	14.6	13.2	14.8	13.7	16.8	16.8	15.9
Unemployment rate .....	4.2	4.5	3.8	4.0	4.1	4.1	4.6	4.2	4.6	4.3	5.3	5.3	5.1
<b>Ohio<sup>1</sup></b>													
Civilian labor force .....	5,479.0	5,378.0	5,439.0	5,397.0	5,433.0	5,445.0	5,491.5	5,461.7	5,524.4	5,452.9	5,528.6	5,471.0	5,584.3
Employed .....	5,111.0	5,018.0	5,090.0	5,096.0	5,114.0	5,092.0	5,121.6	5,070.3	5,128.5	5,076.1	5,122.5	5,055.1	5,169.1
Unemployed .....	368.0	360.0	349.0	301.0	319.0	353.0	369.8	391.4	395.9	376.9	406.2	415.9	415.2
Unemployment rate .....	6.7	6.7	6.4	5.6	5.9	6.5	6.7	7.2	7.2	6.9	7.3	7.6	7.4
<b>Oklahoma</b>													
Civilian labor force .....	1,506.0	1,520.4	1,514.1	1,522.5	1,523.8	1,524.2	1,519.4	1,512.7	1,518.4	1,531.1	1,528.2	1,524.3	1,529.2
Employed .....	1,403.4	1,416.6	1,410.4	1,418.8	1,415.8	1,425.3	1,425.8	1,417.6	1,417.1	1,440.1	1,443.7	1,416.7	1,436.3
Unemployed .....	102.6	103.8	103.7	103.8	108.0	98.9	93.5	95.1	101.3	91.0	84.5	107.6	93.0
Unemployment rate .....	6.8	6.8	6.8	6.8	7.1	6.5	6.2	6.3	6.7	5.9	5.5	7.1	6.1
<b>Oregon</b>													
Civilian labor force .....	1,515.8	1,514.9	1,514.6	1,505.3	1,506.5	1,511.0	1,510.5	1,509.0	1,523.0	1,526.1	1,545.2	1,540.3	1,534.1
Employed .....	1,425.7	1,422.8	1,423.5	1,411.3	1,410.7	1,413.0	1,400.9	1,394.5	1,400.8	1,411.1	1,436.4	1,430.5	1,419.1
Unemployed .....	90.1	92.1	91.1	94.1	95.9	98.0	109.6	114.5	122.2	115.0	108.8	109.7	114.9
Unemployment rate .....	5.9	6.1	6.0	6.2	6.4	6.5	7.3	7.6	8.0	7.5	7.0	7.1	7.5
<b>Pennsylvania<sup>1</sup></b>													
Civilian labor force .....	5,950.0	5,925.0	5,935.0	5,982.0	5,960.0	5,953.0	5,977.6	6,007.0	5,986.0	5,938.8	5,973.8	5,968.4	5,962.1
Employed .....	5,534.0	5,499.0	5,527.0	5,582.0	5,559.0	5,532.0	5,556.0	5,550.4	5,557.8	5,469.1	5,509.7	5,514.2	5,505.9
Unemployed .....	416.0	426.0	408.0	400.0	401.0	421.0	421.6	456.6	428.2	469.8	464.0	454.2	456.1
Unemployment rate .....	7.0	7.2	6.9	6.7	6.7	7.1	7.1	7.6	7.2	7.9	7.8	7.6	7.7
<b>Rhode Island</b>													
Civilian labor force .....	514.4	515.5	514.6	512.4	510.8	506.6	517.4	519.9	517.3	518.6	518.5	520.2	523.2
Employed .....	468.9	467.8	465.3	464.7	464.6	464.6	475.9	479.9	475.2	470.2	470.4	469.5	475.0
Unemployed .....	45.5	47.7	49.3	47.7	46.2	42.0	41.4	40.0	42.2	48.3	48.1	50.7	48.2
Unemployment rate .....	8.8	9.3	9.6	9.3	9.0	8.3	8.0	7.7	8.1	9.3	9.3	9.8	9.2

See footnotes at end of table.

**STATE LABOR FORCE DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

State	1991						1992						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>P</sup>
<b>South Carolina</b>													
Civilian labor force .....	1,769.4	1,746.4	1,740.5	1,736.7	1,744.3	1,736.5	1,763.9	1,773.7	1,746.4	1,761.1	1,760.4	1,759.1	1,802.5
Employed .....	1,657.6	1,635.3	1,639.9	1,633.0	1,635.7	1,621.8	1,634.2	1,652.6	1,624.4	1,649.3	1,643.4	1,647.5	1,681.6
Unemployed .....	111.7	111.1	100.6	103.7	108.7	114.7	129.7	121.1	122.0	111.8	117.0	111.7	120.9
Unemployment rate .....	6.3	6.4	5.8	6.0	6.2	6.6	7.4	6.8	7.0	6.3	6.6	6.3	6.7
<b>South Dakota</b>													
Civilian labor force .....	359.7	358.6	361.4	364.8	365.7	366.4	368.1	361.3	360.8	358.7	359.6	357.8	358.2
Employed .....	347.7	345.5	349.3	353.5	354.4	354.6	356.5	350.2	348.0	347.1	346.0	345.1	347.4
Unemployed .....	12.0	13.1	12.1	11.4	11.3	11.8	11.6	11.0	12.8	11.6	13.5	12.7	10.8
Unemployment rate .....	3.3	3.6	3.4	3.1	3.1	3.2	3.1	3.1	3.5	3.2	3.8	3.5	3.0
<b>Tennessee</b>													
Civilian labor force .....	2,419.0	2,410.2	2,413.5	2,424.9	2,419.1	2,412.7	2,427.4	2,408.7	2,430.8	2,396.0	2,403.3	2,435.3	2,432.5
Employed .....	2,248.3	2,246.0	2,251.1	2,260.5	2,260.3	2,248.3	2,248.3	2,235.5	2,265.9	2,240.7	2,245.7	2,275.0	2,274.7
Unemployed .....	170.7	164.1	162.4	164.3	158.8	164.4	179.2	173.2	165.0	155.3	157.6	160.4	157.8
Unemployment rate .....	7.1	6.8	6.7	6.8	6.6	6.8	7.4	7.2	6.8	6.5	6.6	6.6	6.5
<b>Texas<sup>1</sup></b>													
Civilian labor force .....	8,598.0	8,500.0	8,527.0	8,558.0	8,537.0	8,583.0	8,747.1	8,723.2	8,767.8	8,743.8	8,740.8	8,821.6	8,727.2
Employed .....	8,025.0	7,941.0	7,963.0	7,896.0	7,969.0	7,984.0	8,061.3	8,086.1	8,101.1	8,100.8	8,082.0	8,101.0	8,102.9
Unemployed .....	573.0	559.0	564.0	662.0	568.0	599.0	685.8	637.1	666.7	643.0	658.8	720.6	624.3
Unemployment rate .....	6.7	6.6	6.6	7.7	6.7	7.0	7.8	7.3	7.6	7.4	7.5	8.2	7.2
<b>Utah</b>													
Civilian labor force .....	804.8	806.8	801.6	805.0	807.7	806.4	812.9	817.2	818.0	819.0	816.9	818.2	816.5
Employed .....	763.7	764.7	760.4	763.7	764.6	765.4	775.9	780.3	781.5	780.1	778.6	778.6	778.1
Unemployed .....	41.1	42.1	41.2	41.3	43.1	41.0	37.0	37.0	36.5	38.9	38.3	39.6	38.5
Unemployment rate .....	5.1	5.2	5.1	5.1	5.3	5.1	4.6	4.5	4.5	4.7	4.7	4.8	4.7
<b>Vermont</b>													
Civilian labor force .....	311.3	311.8	311.7	311.9	317.3	310.5	309.8	308.0	305.5	309.5	312.1	312.4	313.7
Employed .....	290.0	292.3	292.2	294.2	298.4	291.4	290.4	289.0	286.8	288.5	289.9	290.5	292.3
Unemployed .....	21.3	19.5	19.4	17.7	19.0	19.1	19.4	19.0	18.7	21.0	22.2	21.9	21.4
Unemployment rate .....	6.8	6.3	6.2	5.7	6.0	6.1	6.3	6.2	6.1	6.8	7.1	7.0	6.8
<b>Virginia</b>													
Civilian labor force .....	3,304.0	3,320.2	3,331.7	3,341.2	3,333.5	3,338.2	3,332.7	3,360.0	3,388.0	3,390.6	3,394.2	3,391.1	3,383.7
Employed .....	3,092.8	3,124.8	3,152.9	3,151.1	3,138.9	3,150.5	3,115.1	3,140.4	3,167.4	3,167.5	3,153.5	3,174.3	3,155.9
Unemployed .....	211.1	195.4	178.8	190.1	194.6	187.6	217.6	219.6	220.6	223.0	240.7	216.8	227.8
Unemployment rate .....	6.4	5.9	5.4	5.7	5.8	5.6	6.5	6.5	6.5	6.6	7.1	6.4	6.7
<b>Washington</b>													
Civilian labor force .....	2,498.9	2,480.1	2,512.5	2,508.4	2,496.6	2,493.4	2,538.0	2,547.7	2,534.7	2,601.8	2,622.8	2,598.4	2,644.0
Employed .....	2,341.3	2,326.5	2,350.5	2,341.7	2,330.6	2,321.4	2,356.0	2,357.1	2,337.7	2,423.9	2,446.5	2,422.1	2,465.0
Unemployed .....	157.6	153.6	162.0	166.6	166.0	172.0	182.0	190.5	197.0	178.0	176.4	176.3	179.1
Unemployment rate .....	6.3	6.2	6.4	6.6	6.6	6.9	7.2	7.5	7.8	6.8	6.7	6.8	6.8
<b>West Virginia</b>													
Civilian labor force .....	790.0	786.7	783.0	783.7	784.6	783.8	796.1	792.1	790.8	785.3	787.2	779.7	782.9
Employed .....	701.9	700.8	703.2	704.1	701.0	697.1	692.7	692.8	691.2	694.1	696.9	690.9	692.4
Unemployed .....	88.1	85.9	79.8	79.6	83.6	86.8	103.4	99.3	99.6	91.2	90.3	88.8	90.5
Unemployment rate .....	11.2	10.9	10.2	10.2	10.7	11.1	13.0	12.5	12.6	11.6	11.5	11.4	11.6
<b>Wisconsin</b>													
Civilian labor force .....	2,614.7	2,613.0	2,591.2	2,601.4	2,590.9	2,593.9	2,595.3	2,615.6	2,628.1	2,643.6	2,667.5	2,686.4	2,662.6
Employed .....	2,478.2	2,479.0	2,451.6	2,462.8	2,451.2	2,456.5	2,463.1	2,478.2	2,502.7	2,525.8	2,545.1	2,546.6	2,521.2
Unemployed .....	136.5	134.1	139.5	138.5	139.7	137.4	132.2	137.4	125.3	117.8	122.4	139.8	141.4
Unemployment rate .....	5.2	5.1	5.4	5.3	5.4	5.3	5.1	5.3	4.8	4.5	4.6	5.2	5.3
<b>Wyoming</b>													
Civilian labor force .....	240.3	239.6	239.7	238.0	238.0	237.0	239.0	242.8	243.3	243.1	242.0	240.4	241.6
Employed .....	228.7	228.5	227.5	224.5	225.6	224.5	224.2	225.6	227.2	227.8	228.9	226.8	227.1
Unemployed .....	11.6	11.1	12.2	13.5	12.4	12.6	14.9	17.2	16.2	15.3	13.1	13.6	14.6
Unemployment rate .....	4.8	4.6	5.1	5.7	5.2	5.3	6.2	7.1	6.6	6.3	5.4	5.7	6.0

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

<sup>P</sup> = preliminary.

NOTE: Data refer to place of residence. The unadjusted base estimates are provisional and will be revised when new benchmark and population information becomes available. All seasonally adjusted data are also subject to revision.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>	July 1991	June 1992	July 1992 <sup>P</sup>
<b>Alabama</b> .....	1,897.0	1,953.1	1,967.3	138.8	166.3	162.9	7.3	8.5	8.3
Birmingham .....	438.7	448.9	452.3	25.1	32.6	30.9	5.7	7.3	6.8
Huntsville .....	133.5	135.9	136.4	6.8	7.1	8.7	5.1	5.2	6.4
Mobile .....	219.0	229.9	233.0	15.9	21.0	20.3	7.3	9.1	8.7
Montgomery .....	136.9	140.3	141.1	8.4	10.7	10.1	6.1	7.6	7.1
Tuscaloosa .....	72.3	72.5	73.3	4.1	5.2	5.0	5.7	7.1	6.8
<b>Alaska</b> .....	268.4	271.2	274.9	18.8	25.1	21.4	7.0	9.3	7.8
<b>Arizona</b> .....	1,691.3	1,748.4	1,726.6	98.3	135.9	125.5	5.8	7.8	7.3
Phoenix .....	1,052.2	1,071.9	1,058.7	51.8	68.7	62.0	4.9	6.4	5.9
Tucson .....	307.2	322.6	320.7	11.9	17.5	15.5	3.9	5.4	4.8
<b>Arkansas</b> .....	1,121.2	1,168.9	1,171.2	86.9	93.5	86.4	7.8	8.0	7.4
Fayetteville-Springdale .....	63.1	65.8	66.4	2.7	2.7	2.6	4.2	4.1	3.9
Fort Smith .....	93.0	94.9	94.4	6.7	7.6	6.7	7.2	8.0	7.1
Little Rock-North Little Rock .....	266.5	276.6	276.4	18.4	19.3	17.4	6.9	7.0	6.3
Pine Bluff .....	36.8	38.9	38.6	4.1	4.9	4.4	11.3	12.5	11.3
<b>California<sup>1</sup></b> .....	14,961.2	15,333.7	15,455.6	1,192.7	1,454.1	1,433.0	8.0	9.5	9.3
Anaheim-Santa Ana .....	1,348.5	1,376.5	1,378.6	71.6	91.9	83.9	5.3	6.7	6.1
Bakersfield .....	258.3	276.2	273.8	29.3	42.7	35.0	11.4	15.4	12.8
Fresno .....	322.9	337.4	337.2	36.8	48.1	42.2	11.4	14.2	12.5
Los Angeles-Long Beach <sup>1</sup> .....	4,558.0	4,570.0	4,609.0	391.0	447.0	518.0	8.6	9.8	11.2
Modesto .....	173.5	186.0	188.8	25.8	32.9	25.8	14.9	17.7	13.7
Oakland .....	1,100.5	1,130.4	1,143.3	66.5	80.8	73.4	6.0	7.1	6.4
Oxnard-Ventura .....	381.6	387.9	393.2	28.0	33.2	34.5	7.3	8.6	8.8
Riverside-San Bernardino .....	1,090.5	1,138.4	1,138.8	110.6	133.4	130.8	10.1	11.7	11.5
Sacramento .....	772.4	798.4	810.5	51.7	67.6	59.7	6.7	8.5	7.4
Salinas-Seaside-Monterey .....	162.4	171.7	170.7	13.3	17.5	15.0	8.2	10.2	8.8
San Diego .....	1,183.8	1,210.3	1,224.0	80.9	97.9	89.9	6.8	8.1	7.3
San Francisco .....	877.1	904.3	921.0	48.7	59.7	54.2	5.5	6.6	5.9
San Jose .....	819.4	841.8	847.7	49.7	62.3	54.5	6.1	7.4	6.4
Santa Barbara-Santa Maria-Lompoc .....	184.3	189.8	191.8	10.7	14.4	13.5	5.8	7.6	7.1
Santa Rosa-Petaluma .....	212.4	225.1	226.4	12.6	16.6	15.3	6.0	7.4	6.7
Stockton .....	207.1	217.1	218.8	25.1	34.1	27.4	12.1	15.7	12.5
Vallejo-Fairfield-Napa .....	207.5	212.7	218.1	14.6	17.5	16.5	7.1	8.2	7.6
<b>Colorado</b> .....	1,783.7	1,812.4	1,791.7	82.5	130.8	107.8	4.6	7.2	6.0
Boulder-Longmont .....	142.1	145.0	143.7	4.9	7.5	6.6	3.4	5.2	4.6
Denver .....	904.5	916.4	905.8	39.7	63.2	53.7	4.4	6.9	5.9
<b>Connecticut</b> .....	1,829.4	1,776.7	1,802.4	138.5	130.3	129.1	7.6	7.3	7.2
Bridgeport-Milford .....	233.9	225.7	227.6	20.4	19.4	19.3	8.7	8.6	8.5
Hartford .....	442.3	428.8	434.2	31.0	30.1	29.4	7.0	7.0	6.8
New Britain .....	75.8	73.5	74.0	7.6	7.1	7.0	10.0	9.6	9.4
New Haven-Meriden .....	292.8	282.2	291.3	21.6	20.1	20.3	7.4	7.1	7.0
Stamford .....	120.2	115.2	117.1	5.9	6.0	5.9	4.9	5.2	5.0
Waterbury .....	103.9	102.5	104.1	11.9	10.9	11.1	11.5	10.6	10.7
<b>Delaware</b> .....	369.4	373.8	370.8	22.8	26.7	22.9	6.2	7.2	6.2
Wilmington .....	314.6	314.3	313.2	20.0	23.6	21.5	6.4	7.5	6.8
<b>District of Columbia</b> .....	291.4	289.7	285.0	21.4	26.3	24.8	7.3	9.1	8.7
Washington .....	2,288.3	2,302.9	2,325.8	102.9	121.5	116.5	4.5	5.3	5.0
<b>Florida<sup>1</sup></b> .....	6,505.2	6,631.1	6,735.1	524.1	596.9	602.0	8.1	9.0	8.9
Daytona Beach .....	163.7	167.0	169.6	12.0	14.0	13.9	7.3	8.4	8.2
Fort Lauderdale-Hollywood-Pompano Beach .....	682.6	695.5	704.3	54.9	61.9	61.0	8.0	8.9	8.7
Fort Myers-Cape Coral .....	150.9	156.7	157.5	10.8	13.7	13.4	7.2	8.7	8.5
Gainesville .....	112.1	114.5	116.2	5.2	6.1	6.1	4.7	5.3	5.2
Jacksonville .....	482.2	488.7	498.1	34.0	37.5	36.9	7.0	7.7	7.4
Lakeland-Winter Haven .....	182.8	187.7	191.2	23.1	24.7	26.1	12.6	13.2	13.7
Melbourne-Titusville-Palm Bay .....	204.4	203.7	209.3	14.8	17.7	17.6	7.2	8.7	8.4
Miami-Hialeah .....	974.8	983.5	1,002.9	89.9	105.2	104.6	9.2	10.7	10.4
Orlando .....	655.7	665.1	678.9	46.1	52.9	52.8	7.0	8.0	7.8
Pensacola .....	156.4	157.2	160.1	9.5	10.4	10.2	6.1	6.6	6.3
Sarasota .....	131.5	134.3	135.9	7.2	8.7	8.6	5.5	6.5	6.3
Tallahassee .....	140.2	143.9	146.0	6.6	7.4	7.3	4.7	5.1	5.0
Tampa-St. Petersburg-Clearwater .....	1,030.4	1,053.6	1,063.6	71.2	82.5	81.5	6.9	7.8	7.7
West Palm Beach-Boca Raton-DeLray Beach .....	431.5	440.4	450.3	43.8	48.6	51.8	10.2	11.0	11.5

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	July 1991	June 1992	July 1992 <sup>a</sup>	July 1991	June 1992	July 1992 <sup>a</sup>	July 1991	June 1992	July 1992 <sup>a</sup>
<b>Georgia</b> .....	3,180.4	3,216.5	3,250.8	158.6	222.5	233.6	5.0	6.9	7.2
Albany .....	53.4	54.3	54.9	3.0	4.7	5.0	5.6	8.6	9.1
Athens .....	75.0	78.1	77.5	3.0	4.1	4.3	4.0	5.3	5.5
Atlanta .....	1,510.6	1,527.0	1,541.5	71.6	99.1	105.5	4.7	6.5	6.8
Augusta .....	203.1	205.2	209.6	10.0	13.6	13.6	4.9	6.6	6.5
Columbus .....	97.3	100.0	100.7	5.4	7.7	7.2	5.5	7.7	7.1
Macon-Warner Robins .....	131.1	132.6	133.6	5.6	8.1	8.4	4.3	6.1	6.3
Savannah .....	116.3	117.4	118.9	5.3	8.2	8.2	4.5	7.0	6.9
<b>Hawaii</b> .....	565.1	572.6	573.4	15.6	28.6	27.5	2.8	5.0	4.8
Honolulu .....	404.5	408.5	407.7	9.3	15.9	14.8	2.3	3.9	3.6
<b>Idaho</b> .....	517.5	527.1	529.8	27.6	30.4	28.0	5.3	5.8	5.3
Boise City .....	119.6	123.7	123.6	4.2	4.9	4.2	3.5	3.9	3.4
<b>Illinois</b> <sup>1</sup> .....	6,128.2	6,280.9	6,208.2	396.0	547.9	498.0	6.5	8.7	8.0
Aurora-Elgin .....	198.5	206.2	203.8	14.3	18.6	16.7	7.2	9.0	8.2
Bloomington-Normal .....	74.2	77.4	77.4	3.1	4.3	4.2	4.1	5.5	5.4
Champaign-Urbana-Rantoul .....	92.9	94.0	92.7	4.0	5.5	5.1	4.3	5.9	5.5
Chicago .....	3,297.9	3,360.0	3,330.8	206.1	288.0	261.5	6.2	8.6	7.9
Davenport-Rock Island-Moline .....	185.4	191.5	189.2	10.8	14.6	12.7	5.8	7.6	6.7
Decatur .....	82.6	85.3	84.6	6.8	7.5	6.7	10.9	11.4	10.4
Joliet .....	221.7	231.4	228.2	14.8	22.1	19.9	6.7	9.6	8.7
Kankakee .....	51.7	55.8	54.8	3.9	5.4	4.8	7.5	9.7	8.8
Lake County .....	328.1	337.8	333.7	12.9	18.7	16.4	3.9	5.5	4.9
Peoria .....	170.6	175.9	173.8	10.5	14.3	13.0	6.2	8.1	7.5
Rockford .....	160.1	166.4	165.1	10.9	16.7	15.7	6.8	10.0	9.5
Springfield .....	120.5	122.5	121.4	5.0	7.7	6.9	4.2	6.3	5.7
<b>Indiana</b> .....	2,825.7	2,916.8	2,942.5	144.5	179.9	179.3	5.1	6.2	6.1
Anderson .....	58.3	58.3	58.8	3.9	4.7	4.9	7.0	8.1	8.4
Bloomington .....	58.1	61.5	61.7	1.8	2.7	2.5	3.0	4.4	4.1
Elkhart-Goshen .....	89.1	93.0	94.2	4.1	5.1	5.5	4.6	5.5	5.9
Evansville .....	143.7	148.0	150.0	7.7	9.2	8.9	5.4	6.2	5.9
Fort Wayne .....	196.5	199.4	202.1	8.9	11.7	11.8	4.5	5.9	5.9
Gary-Hammond .....	262.6	279.5	280.5	15.4	22.5	20.0	5.9	8.1	7.1
Indianapolis .....	693.3	712.8	724.5	30.3	35.4	34.9	4.4	5.0	4.8
Kokomo .....	46.5	48.1	47.8	3.2	3.2	2.9	6.8	6.6	6.0
Lafayette-West Lafayette .....	66.0	67.3	67.1	1.7	2.4	2.5	2.6	3.6	3.7
Muncie .....	59.2	60.0	60.8	3.1	3.9	4.0	5.2	6.5	8.5
South Bend-Mishawaka .....	125.7	132.7	134.1	6.7	8.3	8.0	5.4	6.3	6.0
Terre Haute .....	60.6	65.4	66.0	2.8	4.2	3.7	4.7	6.4	5.6
<b>Iowa</b> .....	1,530.9	1,545.8	1,553.0	64.3	77.9	64.0	4.2	5.0	4.1
Cedar Rapids .....	96.9	97.4	97.1	4.6	5.4	4.0	4.8	5.6	4.1
Des Moines .....	243.1	245.7	246.6	8.1	11.7	8.8	3.3	4.8	3.6
Dubuque .....	45.8	45.9	45.7	2.0	2.4	1.8	4.3	5.2	4.0
Iowa City .....	82.7	63.5	64.4	1.0	1.4	1.5	1.6	2.3	2.3
Sioux City .....	63.5	64.7	64.6	2.6	3.2	2.3	4.1	4.9	3.6
Waterloo-Cedar Falls .....	72.8	73.7	75.2	3.7	4.3	4.6	5.1	5.9	6.2
<b>Kansas</b> .....	1,316.1	1,350.5	1,340.7	53.9	61.5	48.5	4.1	4.6	3.6
Lawrence .....	43.7	45.4	44.8	1.6	1.8	1.4	3.6	3.5	3.0
Topeka .....	94.6	96.9	96.1	4.1	4.1	3.5	4.3	4.2	3.7
Wichita .....	265.0	268.6	267.9	12.5	13.9	10.4	4.7	5.2	3.9
<b>Kentucky</b> .....	1,756.7	1,787.8	1,781.1	130.8	119.6	119.3	7.4	6.7	6.7
Lexington-Fayette .....	194.6	199.3	198.6	9.5	8.7	8.6	4.9	4.4	4.3
Louisville .....	513.3	527.3	527.5	28.3	27.7	29.4	5.5	5.3	5.6
Owensboro .....	44.4	45.4	45.2	3.0	3.2	3.3	6.8	7.1	7.4
<b>Louisiana</b> .....	2,014.1	2,008.8	1,998.0	161.8	189.7	179.6	8.0	8.4	9.0
Alexandria .....	61.4	61.6	60.6	4.8	4.6	5.1	7.8	7.4	8.4
Baton Rouge .....	295.2	292.5	290.9	22.2	19.7	20.8	7.5	6.7	7.2
Houma-Thibodaux .....	74.4	72.7	72.6	5.6	6.9	7.6	7.5	9.5	10.5
Lafayette .....	115.9	112.4	112.1	6.9	8.4	8.9	5.9	7.5	7.9
Lake Charles .....	88.0	86.7	86.4	8.3	8.6	8.9	9.4	9.9	10.2
Monroe .....	74.6	72.7	73.2	5.1	5.3	5.9	6.9	7.3	8.1
New Orleans .....	609.2	603.8	600.6	42.3	43.8	46.4	6.9	7.3	7.7
Shreveport .....	160.6	163.1	161.1	11.9	11.8	12.9	7.4	7.3	8.0
<b>Maine</b> .....	665.9	671.4	676.1	46.7	44.6	38.5	7.0	6.6	5.7
Lewiston-Auburn .....	43.4	45.5	44.6	4.7	4.1	3.9	10.7	9.1	8.8
Portland .....	135.7	138.0	139.5	6.9	6.6	5.5	5.1	4.8	3.9

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	July 1991	June 1992	July 1992 <sup>p</sup>	July 1991	June 1992	July 1992 <sup>p</sup>	July 1991	June 1992	July 1992 <sup>p</sup>
<b>Maryland</b> .....	2,638.3	2,655.6	2,716.1	149.0	182.6	176.4	5.6	6.9	6.5
Baltimore .....	1,251.1	1,255.3	1,284.0	80.1	98.3	94.8	6.4	7.8	7.4
<b>Massachusetts</b> <sup>1</sup> .....	3,161.1	3,199.9	3,201.8	296.9	288.5	278.4	9.4	9.0	8.7
Boston .....	1,553.9	1,575.1	1,573.1	126.7	128.5	122.8	8.2	8.2	7.8
Brockton .....	96.8	98.2	98.8	11.6	11.2	10.7	11.9	11.4	10.9
Fall River .....	76.5	75.4	76.6	12.3	9.1	10.0	16.1	12.0	13.0
Fitchburg-Leominster .....	46.8	48.2	48.2	5.9	5.0	5.0	12.5	10.4	10.4
Lawrence-Haverhill .....	188.4	188.3	189.2	20.0	20.0	19.4	10.6	10.6	10.3
Lowell .....	151.1	151.4	152.5	16.1	16.0	15.6	10.7	10.6	10.2
New Bedford .....	87.1	86.8	87.5	11.8	10.2	10.4	13.6	11.7	11.9
Pittsfield .....	42.1	42.4	43.0	4.2	4.1	3.9	10.1	9.7	9.0
Springfield .....	254.4	258.3	257.4	24.7	24.5	23.3	9.7	9.5	9.0
Worcester .....	215.7	218.0	216.0	23.0	21.0	20.0	10.7	9.6	9.2
<b>Michigan</b> <sup>1</sup> .....	4,531.6	4,646.0	4,701.4	390.1	416.5	448.0	8.6	9.0	9.5
Ann Arbor .....	154.0	165.6	164.9	9.0	8.8	9.0	5.8	5.3	5.4
Battle Creek .....	63.1	64.5	65.6	5.3	4.9	5.1	8.4	7.6	7.8
Benton Harbor .....	78.8	80.9	81.4	6.6	7.4	7.2	8.4	9.2	8.8
Detroit .....	2,107.4	2,132.0	2,168.8	187.1	195.7	225.8	8.9	9.2	10.4
Flint .....	180.4	185.9	186.4	19.6	22.9	24.3	10.9	12.3	13.0
Grand Rapids .....	378.7	392.5	395.0	26.2	29.0	30.2	6.9	7.4	7.6
Jackson .....	63.8	67.0	66.8	5.7	7.1	7.1	9.0	10.6	10.7
Kalamazoo .....	116.8	119.0	120.6	6.4	7.4	7.1	5.5	6.2	5.9
Lansing-East Lansing .....	233.4	244.0	238.7	19.7	14.4	14.1	8.5	5.9	5.9
Muskegon .....	67.5	68.6	69.5	7.6	8.4	8.6	11.3	12.2	12.4
Saginaw-Bay City-Midland .....	187.8	192.9	193.1	15.3	16.4	16.8	8.2	8.5	8.7
<b>Minnesota</b> .....	2,486.3	2,438.3	2,475.9	104.0	133.3	98.7	4.2	5.5	4.0
Duluth .....	118.5	113.4	115.7	6.7	8.4	7.6	5.6	7.4	6.5
Minneapolis-St. Paul .....	1,451.4	1,399.3	1,420.7	57.3	69.4	52.6	3.9	5.0	3.7
Rochester .....	69.4	66.2	67.3	2.4	2.5	1.7	3.4	3.8	2.5
St. Cloud .....	106.7	106.7	106.1	4.8	6.0	4.1	4.5	5.6	3.8
<b>Mississippi</b> .....	1,211.1	1,213.0	1,216.1	113.9	130.5	114.5	9.4	10.8	9.4
Jackson .....	205.2	205.2	206.3	13.8	15.9	14.1	6.7	7.8	6.8
<b>Missouri</b> .....	2,700.9	2,735.6	2,736.1	179.0	188.1	176.4	6.6	6.9	6.4
Kansas City .....	875.7	889.4	892.6	48.5	50.6	46.2	5.5	5.7	5.2
St. Louis LMA .....	1,294.4	1,304.0	1,304.5	87.3	96.4	85.7	6.7	7.4	6.6
Springfield .....	133.2	135.8	136.9	6.7	7.8	7.2	5.0	5.7	5.3
<b>Montana</b> .....	408.2	417.4	416.9	25.8	29.4	22.4	6.3	7.1	5.4
<b>Nebraska</b> .....	869.9	875.5	888.0	23.5	29.7	27.5	2.7	3.4	3.1
Lincoln .....	133.1	137.2	137.0	3.1	4.3	3.8	2.3	3.1	2.7
Omaha .....	346.3	349.5	352.4	11.1	14.3	12.5	3.2	4.1	3.6
<b>Nevada</b> .....	650.7	669.4	675.9	35.6	45.5	47.3	5.5	6.8	7.0
Las Vegas .....	404.2	419.3	425.0	24.3	29.7	31.2	6.0	7.1	7.3
Reno .....	137.7	141.1	141.0	6.2	8.7	8.9	4.5	6.2	6.3
<b>New Hampshire</b> .....	650.7	623.4	628.8	46.6	48.5	45.2	7.2	7.8	7.2
Manchester .....	87.5	84.0	85.8	6.7	6.9	6.2	7.7	8.2	7.2
Nashua .....	98.4	96.5	95.1	7.9	8.5	8.0	8.0	8.8	8.4
Portsmouth-Dover-Rochester .....	145.5	133.3	135.0	8.4	7.7	7.7	5.8	5.8	5.7
<b>New Jersey</b> <sup>1</sup> .....	4,121.9	4,044.5	4,056.9	266.9	365.6	400.2	6.5	9.0	9.9
Atlantic City .....	201.7	197.5	202.4	13.8	19.2	20.2	6.9	9.7	10.0
Bergen-Passaic .....	701.7	683.1	684.3	43.4	60.0	68.0	6.2	8.8	9.9
Jersey City .....	276.3	280.5	281.6	24.7	35.0	38.4	8.9	12.5	13.6
Middlesex-Somerset-Hunterdon .....	602.1	585.5	584.3	31.5	43.8	49.8	5.2	7.5	8.5
Monmouth-Ocean .....	521.1	506.7	508.9	31.5	42.1	45.7	6.0	8.3	9.0
Newark .....	960.1	932.9	938.4	65.8	88.0	97.1	6.9	9.4	10.3
Trenton .....	177.8	178.6	177.4	9.9	12.4	13.5	5.6	7.0	7.6
Vineland-Millville-Bridgeton .....	63.5	64.0	64.7	6.4	8.5	9.6	10.0	13.3	14.8
<b>New Mexico</b> .....	727.6	733.4	730.0	49.6	62.0	52.6	6.8	8.5	7.2
Albuquerque .....	270.8	273.4	272.4	14.2	16.2	14.0	5.2	5.9	5.1
Las Cruces .....	60.9	62.3	60.5	4.7	6.1	4.7	7.7	9.7	7.8
Santa Fe .....	76.1	77.6	78.0	2.7	3.4	2.9	3.6	4.4	3.8

See footnotes at end of table.



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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	July 1991	June 1992	July 1992 <sup>a</sup>	July 1991	June 1992	July 1992 <sup>a</sup>	July 1991	June 1992	July 1992 <sup>a</sup>
<b>New York<sup>1</sup></b> .....	8,703.0	8,719.3	8,693.6	604.4	774.4	798.3	8.9	8.9	9.2
Albany-Schenectady-Troy .....	447.2	444.7	441.2	23.5	27.6	27.7	5.3	6.2	6.3
Binghamton .....	123.4	123.0	120.3	6.7	8.9	8.1	5.4	7.2	6.8
Buffalo .....	470.2	467.3	464.5	29.6	34.5	36.9	6.3	7.4	7.9
Elmira .....	43.2	43.1	42.7	2.4	3.0	2.9	5.5	7.1	6.9
Glens Falls .....	58.8	57.5	59.1	3.8	5.0	4.7	8.5	8.7	7.9
Nassau-Suffolk .....	1,402.1	1,388.6	1,361.8	86.0	107.7	108.8	6.1	7.8	8.0
New York .....	3,978.1	3,999.5	4,027.7	324.5	426.7	450.2	8.2	10.7	11.2
New York City <sup>1</sup> .....	3,297.0	3,330.0	3,367.0	289.0	384.0	407.0	8.8	11.5	12.1
Orange County .....	140.4	143.1	141.6	8.9	10.7	10.8	6.3	7.4	7.6
Poughkeepsie .....	128.9	124.9	123.3	6.5	8.1	8.4	5.0	6.5	6.8
Rochester .....	522.9	528.9	520.4	23.8	29.5	29.7	4.6	5.6	5.7
Syracuse .....	330.5	329.0	326.0	19.2	23.4	23.0	5.8	7.1	7.1
Utica-Rome .....	140.3	139.5	140.8	8.6	10.2	10.7	6.1	7.3	7.6
<b>North Carolina<sup>1</sup></b> .....	3,509.9	3,548.3	3,593.2	211.8	234.5	229.5	6.0	6.6	6.4
Asheville .....	95.2	97.8	96.3	4.2	5.5	5.0	4.4	5.6	5.1
Charlotte-Gastonia-Rock Hill .....	652.7	662.9	670.8	35.3	41.0	40.4	5.4	6.2	6.0
Greensboro-Winston-Salem-High Point .....	525.6	531.5	535.3	28.5	31.3	30.5	5.4	5.9	5.7
Raleigh-Durham .....	433.5	432.1	443.3	15.7	20.0	19.7	3.8	4.6	4.4
<b>North Dakota</b> .....	325.2	327.6	322.0	12.5	16.9	15.4	3.9	5.2	4.8
Bismarck .....	47.5	48.7	47.4	1.8	2.2	1.9	3.9	4.6	4.0
Fargo-Moorhead .....	89.1	90.0	89.0	2.5	3.3	2.8	2.8	3.7	3.2
Grand Forks .....	35.0	35.1	34.5	1.2	1.7	1.5	3.3	4.7	4.3
<b>Ohio<sup>1</sup></b> .....	5,545.9	5,530.0	5,649.3	349.4	421.9	400.2	6.3	7.6	7.1
Akron .....	336.4	333.7	344.5	19.6	23.5	23.8	5.8	7.0	6.9
Canton .....	201.2	198.5	203.1	14.4	16.1	15.2	7.1	8.1	7.5
Cincinnati .....	800.4	797.9	808.3	40.8	48.2	45.0	5.1	6.0	5.6
Cleveland .....	966.3	954.1	972.2	51.8	65.8	63.3	5.4	6.9	6.5
Columbus .....	754.9	758.3	774.3	35.8	43.8	41.3	4.7	5.8	5.3
Dayton-Springfield .....	477.2	480.8	490.8	26.8	32.7	31.0	5.6	6.8	6.3
Toledo .....	313.5	310.9	315.5	30.8	28.2	27.1	9.8	9.1	8.6
Youngstown-Warren .....	223.9	225.9	229.2	15.2	21.4	20.0	6.8	9.5	8.7
<b>Oklahoma</b> .....	1,529.7	1,541.0	1,550.8	99.9	103.0	88.7	6.5	8.7	5.7
Enid .....	27.1	28.1	27.8	1.3	1.3	1.2	4.8	4.5	4.1
Lawton .....	48.2	50.0	50.6	3.0	3.1	2.7	6.3	6.3	5.3
Oklahoma City .....	495.5	498.9	504.7	27.9	27.8	24.5	5.6	5.6	4.9
Tulsa .....	353.1	352.0	359.9	21.9	24.0	20.8	6.2	6.8	5.8
<b>Oregon</b> .....	1,552.1	1,572.3	1,573.0	90.9	111.1	116.0	5.9	7.1	7.4
Eugene-Springfield .....	149.2	151.3	150.1	9.3	10.8	11.0	6.3	7.1	7.3
Medford .....	75.0	77.4	77.3	6.1	6.6	6.8	8.1	8.5	8.8
Portland .....	714.6	723.8	732.3	35.2	44.4	47.2	4.9	6.1	6.4
Salem .....	145.2	151.7	150.1	8.1	9.9	9.8	5.6	6.5	6.6
<b>Pennsylvania<sup>1</sup></b> .....	6,051.0	6,057.4	6,059.1	426.3	453.2	465.1	7.0	7.5	7.7
Allentown-Bethlehem-Easton .....	347.0	346.3	345.5	25.1	27.7	28.9	7.2	8.0	8.4
Altoona .....	64.1	63.3	63.4	5.6	5.4	5.5	8.7	8.5	8.6
Beaver County .....	62.0	63.6	64.3	6.2	7.0	7.2	10.1	10.9	11.2
Erie .....	139.8	140.0	140.6	9.5	10.2	10.8	6.8	7.3	7.7
Harrisburg-Lebanon-Carlisle .....	349.7	345.3	345.2	19.1	18.8	18.6	5.5	5.4	5.4
Johnstown .....	102.2	103.2	103.0	9.1	10.1	10.1	8.9	9.8	9.8
Lancaster .....	235.1	236.6	234.7	11.5	13.5	13.0	4.9	5.7	5.5
Philadelphia .....	2,472.1	2,462.3	2,468.2	166.5	189.2	195.0	6.7	7.7	7.9
Pittsburgh .....	1,022.2	1,037.3	1,030.9	61.2	70.4	70.9	6.0	6.8	8.9
Reading .....	178.0	181.0	179.0	12.3	13.0	13.1	6.9	7.2	7.3
Scranton-Wilkes-Barre .....	376.9	373.9	378.4	33.8	36.2	38.7	9.0	9.7	10.2
Sharon .....	53.8	53.8	53.9	3.9	4.4	4.4	7.2	8.2	8.1
State College .....	67.6	67.8	68.6	4.1	4.2	4.3	6.1	6.2	6.3
Williamsport .....	61.0	61.5	61.8	4.7	4.9	4.8	7.7	7.9	7.8
York .....	228.6	229.0	227.7	14.2	15.5	15.3	6.2	6.8	6.7
<b>Rhode Island</b> .....	519.5	522.1	528.7	46.1	49.3	49.5	8.9	9.4	9.4
Pawtucket-Woonsocket-Attleboro .....	161.5	168.5	167.5	16.4	16.3	16.3	10.2	9.7	9.7
Providence .....	342.6	343.0	347.7	30.6	33.3	33.8	8.9	9.7	9.7
<b>South Carolina</b> .....	1,794.7	1,802.8	1,828.7	112.4	122.0	121.6	6.3	6.8	6.6
Charleston .....	252.7	252.3	258.8	12.2	16.1	15.5	4.8	6.4	6.0
Columbia .....	252.6	250.3	256.0	11.3	12.3	12.6	4.5	4.9	4.9
Greenville-Spartanburg .....	353.7	350.8	359.5	18.4	19.2	19.6	5.2	5.5	5.4
<b>South Dakota</b> .....	367.0	365.7	365.2	11.6	12.9	10.5	3.2	3.5	2.9
Rapid City .....	42.8	41.9	42.1	1.4	1.4	1.2	3.2	3.3	2.8
Sioux Falls .....	77.1	77.4	78.1	1.6	1.8	1.5	2.1	2.4	1.9

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	July 1991	June 1992	July 1992 <sup>p</sup>	July 1991	June 1992	July 1992 <sup>p</sup>	July 1991	June 1992	July 1992 <sup>p</sup>
<b>Tennessee</b> .....	2,458.8	2,468.8	2,473.3	174.5	178.2	161.2	7.1	7.2	6.5
Chattanooga .....	215.6	215.9	216.8	13.4	15.0	13.2	6.2	6.9	6.1
Johnson City-Kingsport-Bristol .....	233.1	234.9	233.9	14.1	15.2	13.6	6.0	6.5	5.8
Knoxville .....	302.0	301.9	300.2	17.3	18.9	17.0	5.7	6.2	5.7
Memphis .....	479.7	473.2	478.2	28.4	32.7	27.9	5.9	6.9	5.8
Nashville .....	537.9	533.2	532.8	28.7	31.5	27.8	5.3	5.9	5.2
<b>Texas<sup>1</sup></b> .....	8,737.6	8,937.6	8,868.2	595.7	742.6	652.3	6.8	8.3	7.4
Abilene .....	50.5	52.1	51.7	3.0	3.8	3.4	6.0	7.3	6.6
Amarillo .....	99.0	100.1	100.2	5.3	6.0	5.3	5.4	5.9	5.3
Austin .....	450.0	467.1	458.9	22.9	26.7	22.6	5.1	5.7	4.9
Beaumont-Port Arthur .....	175.2	184.8	183.2	13.6	18.3	16.1	7.7	9.9	8.8
Brazoria .....	95.1	99.6	98.9	5.9	8.4	7.4	6.2	8.4	7.5
Brownsville-Harlingen .....	113.2	117.6	114.9	14.8	16.1	13.8	13.1	13.7	12.0
Bryan-College Station .....	62.5	62.6	64.3	2.3	2.9	2.5	3.7	4.6	4.0
Corpus Christi .....	171.4	175.3	174.3	14.2	19.4	16.6	8.3	11.1	9.5
Dallas .....	1,469.0	1,490.4	1,477.6	91.9	115.2	100.5	6.3	7.7	6.8
El Paso .....	255.5	263.1	260.4	28.1	31.7	27.6	11.0	12.1	10.6
Fort Worth-Arlington .....	757.2	762.1	760.8	52.8	56.9	50.8	7.0	7.5	6.7
Galveston-Texas City .....	116.7	120.5	119.4	8.7	12.1	10.5	7.4	10.0	8.8
Houston .....	1,807.3	1,828.4	1,821.6	107.5	145.2	129.6	5.9	7.9	7.1
Killeen-Temple .....	99.3	102.8	102.6	6.9	8.8	7.4	7.0	8.6	7.2
Laredo .....	55.6	58.6	58.3	4.9	6.3	5.3	8.8	10.7	9.2
Longview-Marshall .....	82.5	84.5	83.4	6.7	8.6	7.4	8.1	10.2	8.8
Lubbock .....	116.9	119.4	119.1	7.5	9.4	8.0	6.4	7.9	6.7
McAllen-Edinburg-Mission .....	157.2	169.2	163.9	25.0	29.5	26.9	15.9	17.4	16.4
Midland .....	50.4	51.0	50.7	2.8	4.3	3.8	5.5	8.5	7.5
Odessa .....	54.5	56.2	55.4	3.7	6.6	5.7	6.8	11.7	10.3
San Angelo .....	45.0	46.5	46.5	2.6	3.1	2.6	5.8	6.7	5.7
San Antonio .....	618.7	633.9	628.0	43.3	48.8	42.5	7.0	7.7	6.8
Sherman-Denison .....	47.8	47.4	47.5	3.1	3.7	3.7	6.6	7.8	7.7
Texarkana .....	57.2	60.1	59.4	4.4	5.7	4.8	7.7	9.4	8.0
Tyler .....	76.3	77.7	76.8	5.1	6.1	5.2	6.7	7.8	6.8
Victoria .....	38.5	39.5	39.1	2.1	3.0	2.4	5.5	7.5	6.1
Waco .....	94.1	95.0	94.1	7.0	7.7	6.8	7.4	8.1	7.3
Wichita Falls .....	55.5	56.7	56.2	3.9	4.7	4.2	7.0	8.2	7.6
<b>Utah</b> .....	812.5	822.7	823.6	41.1	41.0	38.5	5.1	5.0	4.7
Provo-Orem .....	119.2	120.8	121.8	5.4	5.5	5.0	4.5	4.5	4.1
Salt Lake City-Ogden .....	525.5	530.0	531.2	26.2	25.3	24.2	5.0	4.8	4.5
<b>Vermont</b> .....	316.5	317.1	319.1	20.7	22.3	21.0	6.5	7.0	6.6
Burlington .....	79.7	78.1	78.5	3.7	3.8	3.6	4.7	4.8	4.6
<b>Virginia</b> .....	3,361.0	3,429.2	3,441.8	203.9	226.4	219.6	6.1	6.6	6.4
Charlottesville .....	71.5	73.1	72.9	3.0	3.5	3.4	4.2	4.8	4.7
Danville .....	54.4	55.8	55.1	5.6	5.5	5.1	10.4	9.9	9.2
Lynchburg .....	78.9	79.2	79.2	5.1	5.1	4.8	6.5	6.4	6.0
Norfolk-Virginia Beach-Newport News .....	665.1	684.0	691.4	41.4	49.9	50.6	6.2	7.3	7.3
Richmond-Petersburg .....	482.2	485.7	487.3	28.2	32.1	31.2	5.8	6.6	6.4
Roanoke .....	130.5	133.4	134.6	6.9	6.6	6.7	5.3	5.0	5.0
<b>Washington</b> .....	2,533.3	2,627.7	2,681.4	153.7	170.4	174.6	6.1	6.5	6.5
Seattle .....	1,117.2	1,141.7	1,170.5	54.7	65.3	64.9	4.9	5.7	5.5
<b>West Virginia</b> .....	802.2	790.9	795.0	85.6	87.0	87.6	10.7	11.0	11.0
Charleston .....	124.6	122.3	122.2	10.1	10.3	10.7	8.1	8.4	8.7
Huntington-Ashland .....	132.9	132.7	131.8	12.3	12.3	11.9	9.2	9.2	9.0
Parkersburg-Marietta .....	75.0	74.9	76.7	5.9	6.6	6.9	7.9	8.9	9.0
Wheeling .....	73.3	73.1	74.0	4.8	6.6	5.8	6.6	9.1	7.8
<b>Wisconsin</b> .....	2,663.5	2,738.5	2,716.7	124.0	143.5	129.9	4.7	5.2	4.8
Appleton-Oshkosh-Neenah .....	180.5	188.7	187.6	6.9	11.5	8.8	3.8	6.1	4.7
Eau Claire .....	72.1	74.9	74.9	3.1	3.3	4.3	4.4	4.5	5.8
Green Bay .....	116.2	119.5	118.6	4.5	5.8	4.7	3.9	4.8	3.9
Janesville-Beloit .....	74.8	75.7	76.6	6.3	5.3	6.8	8.5	7.0	8.9
Kenosha .....	56.8	58.9	58.1	4.1	3.8	3.3	7.3	6.5	5.7
La Crosse .....	54.3	56.8	56.9	2.1	2.4	2.5	3.9	4.3	4.4
Madison .....	234.6	239.6	241.3	6.0	6.7	7.2	2.6	2.8	3.0
Milwaukee .....	765.7	780.1	774.6	32.9	41.8	36.5	4.3	5.4	4.7
Racine .....	89.3	90.9	89.5	5.2	6.0	5.4	5.8	6.6	6.1
Sheboygan .....	61.4	62.3	64.6	3.2	3.2	4.4	5.1	5.1	6.7
Wausau .....	67.8	68.0	67.5	3.9	3.5	3.4	5.8	5.1	5.0
<b>Wyoming</b> .....	245.8	246.1	247.0	9.3	11.6	12.0	3.8	4.7	4.9
Casper .....	30.4	30.9	30.8	1.4	1.9	2.0	4.5	6.1	6.4

<sup>1</sup> Data are obtained directly from the Current Population Survey. See the Explanatory Notes for Region, State, and Area Labor Force Data.

<sup>p</sup> = preliminary.

NOTE: Data refer to place of residence. Estimates for 1991 have been

benchmarked to 1991 Current Population Survey annual averages. Estimates for 1992 are provisional and will be revised when new benchmark and population information becomes available. Area definitions are published annually in the May issue of this publication.

# Explanatory Notes

## Introduction

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

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

Data based on establishment records are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The Current Employment Statistics (CES) survey is designed to provide industry information on nonfarm wage and salary employment, average weekly hours, average hourly earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are currently based on payroll reports from a sample of over 350,000 establishments employing over 41 million nonfarm wage and salary workers. The data relate to all workers, full or part time, who receive pay during the payroll period which includes the 12th day of the month.

### RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

Data from these two sources differ from each other because of differences in definitions and coverage, source of information, methods of collection, and estimating procedures. Sampling variability and response errors are

additional reasons for discrepancies. The major factors which have a differential effect on the levels and trends of the two series follow.

### Employment

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

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

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

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

### Hours of work

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

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

### Earnings

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

### COMPARABILITY OF HOUSEHOLD DATA WITH OTHER SERIES

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

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

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

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

### COMPARABILITY OF PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

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

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

# Household Data (A tables)

## COLLECTION AND COVERAGE

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

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

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

Each month about 60,000 occupied units are eligible for interview. About 2,600 of these households are contacted, but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This results in a noninterview rate for the survey of between 4 and 5 percent. In addition to the 60,000 occupied units, there are 11,500 sample units in an average month which are visited but found to be vacant or otherwise not enumerated. Part of the sample is changed each month. The rotation plan, as explained later, provides for three-fourths of the sample to be common from one month to the next, and one half to be common with the same month a year earlier.

## CONCEPTS AND DEFINITIONS

The concepts and definitions underlying labor force data have been modified, but not substantially altered, since the inception of the survey in 1940; those used since 1967 are as follows:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## HISTORICAL COMPARABILITY

### Change in lower age limit

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

### Noncomparability of labor force levels

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

- Beginning in 1953, as a result of introducing data from the 1950 census into the estimating procedures, population levels were raised by about 600,000; labor force, total employment, and agricultural employment were increased by about 350,000, primarily affecting the figures for totals and men; other categories were relatively unaffected.
- Starting in 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force. Four-fifths of this increase was in nonagricultural employment; other labor force categories were not appreciably affected.
- Beginning in 1962, the introduction of data from the 1960 census reduced the population by about 50,000 and labor force and employment by about 200,000; unemployment totals were virtually unchanged.
- Commencing in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by about 800,000; labor force and employment totals were raised by a little more than 300,000; and unemployment levels and rates were essentially unchanged.
- A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment, which affected the white and black-and-other groups but had little effect on totals, resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black-and-other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black-and-other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.
- Beginning in January 1974, the methodology used to prepare independent estimates of the civilian noninstitu-



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

- Effective in July 1975, as a result of the immigration of Vietnamese refugees into the United States, the total and black-and-other independent population controls for persons 16 years and over were adjusted upward by 76,000—30,000 men and 46,000 women. The addition of the refugees increased the black-and-other population by less than 1 percent in any age-sex group, and all of the changes were in the other population.
- Starting in January 1978, the introduction of an expansion in the sample and revisions in the estimation procedures resulted in an increase of about 250,000 in the civilian labor force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indication of the differences appear in “Revisions in the Current Population Survey in January 1978” in the February 1978 issue of *Employment and Earnings*.
- Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group households, rather than by the interviewer as before. The purpose of this change was to provide more accurate estimates of characteristics by race. Thus, in October 1978, one-eighth of the sample households had race determined by the household respondent and seven-eighths of the sample households had race determined by interviewer observation. It was not until January 1980 that the entire sample had race determined by the household respondent. The new procedure had no significant effect on the estimates.
- Commencing in January 1979, the first-stage ratio estimation method was changed in the CPS estimation procedure. Differences between the old and new procedures existed only for metropolitan and nonmetropolitan area estimates, not for the total United States. The reasoning behind the change and an indication of the differences appear in “Revisions in the Current Population Survey in January 1979” in the February 1979 issue of *Employment and Earnings*.
- Beginning in January 1982, the second-stage ratio adjustment methodology was changed in the CPS estimation procedure. The purpose of the change and an indication of its effect on national estimates of labor force characteris-

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

- Starting in January 1983, the first-stage ratio adjustment methodology was updated to account for results obtained from the 1980 census. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in “Revisions in the Current Population Survey Beginning in January 1983” in the February 1983 issue of *Employment and Earnings*. There were only slight differences between the old and new procedures in estimates of levels for the various labor force characteristics and virtually no differences in estimates of participation rates.
- Beginning in January 1985, most of the steps of the CPS estimation procedure—the noninterview adjustment, the first- and second-stage ratio adjustments, and the composite estimator—were revised. These procedures are described in the Estimating Methods section. A description of the changes and an indication of their effect on national estimates of labor force characteristics appear in “Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1985” in the February 1985 issue of this publication. Overall, the revisions had only a slight effect on most estimates. The greatest impact was on estimates of persons of Hispanic origin. Major estimates were revised back to January 1980.
- Starting in January 1986, the population controls used in the second-stage ratio adjustment methodology were revised to reflect an explicit estimate of the number of undocumented immigrants (largely Hispanic) since 1980 and an improved estimate of the number of emigrants among legal foreign-born residents for the same time period. As a result, the total civilian population and labor force estimates were raised by nearly 400,000; civilian employment was increased by about 350,000. The Hispanic-origin population and labor force estimates were raised by about 425,000 and 305,000, respectively, and employment by 270,000. Overall and subgroup unemployment levels and rates were not significantly affected. Because of the mag-

nitude of the adjustments for Hispanics, data were revised back to January 1980 to the extent possible. An explanation of the changes and their effect on estimates of labor force characteristics appear in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986" in the February 1986 issue of this publication.

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

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

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

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

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

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

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

### **Sampling**

Since the inception of the survey, there have been various changes in the design of the CPS sample. The sample is traditionally redesigned and a new sample selected after each decennial census. The number of sample areas and the number of sample persons are also increased occasionally. Most of these changes are made in order to improve the efficiency of the sample design and/or to increase the reliability of the sample estimates. When Alaska and Hawaii received statehood, three sample areas were added to the existing sample to account for the population of these States. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia, was designed to provide more reliable annual average estimates for States. In October 1978, a coverage improvement sample of approximately 450 sample household units representing 237,000 occupied mobile homes and 600,000 new construction housing units was added. In January 1980, another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added. A sample reduction of about 6,000 units was implemented in May 1981. In January 1982, the sample was expanded by 100 households to provide additional coverage in counties added to SMSA's, which were redefined in 1973. In January 1985, a new State-based CPS sample was selected based on 1980 census information. A sample reduction of about 4,000 households was implemented in April 1988; they were reinstated during the 8-month period, April-November 1989.

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

maintained through periodic additions and deletions in the State samples. The criteria, given below, are based on the coefficient of variation (CV) of the unemployment rate, where the CV is defined as the standard error of the estimate divided by the estimate, expressed as a percentage. These CV controls assume a 6-percent unemployment rate in the denominator of this formula to establish a consistent specification of sampling error.

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

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

In the first stage of sampling, the 729 sample areas are chosen. In the second stage, ultimate sampling unit clusters composed of about four housing units each are selected. Each month, about 72,000 housing units are assigned for data collection, of which about 60,000 are occupied and thus eligible for interview. The remainder are units found to be destroyed, vacant, converted to nonresidential use, containing persons whose usual place of residence is elsewhere, or ineligible for other reasons. Of the 60,000 housing units, 4 to 5 percent are not interviewed in a given month due to temporary absence (vacation, etc.), other failures to make contact after repeated attempts, inability of persons contacted to respond, unavailability for other reasons, and refusals to cooperate (about half of the noninterviews). Information is obtained each month for about 113,000 persons 16 years of age and older.

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

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

The 1,973 PSU's are grouped into strata within each State. Then one PSU is selected from each stratum with the probability of selection proportional to the population of the PSU. There are 314 PSU's in strata by themselves that are self-representing, and generally these are the most populated PSU's in each State. The remaining strata are formed by combining PSU's that are similar in such characteristics as population growth; proportions of blacks and of Hispanics (in certain States); and population distribution by occupation, industry, age, and sex. The PSU's, randomly selected from these strata are non-self-representing because each one chosen represents the entire stratum. The probability of selecting a particular PSU in a non-self-representing stratum is proportional to its 1980 population. For example, within a stratum, the chance that a PSU with a population of 50,000 would be selected for the sample is twice that for a PSU having a population of 25,000.

*Selection of sample households.* Because the sample design is essentially State based, the sampling ratio differs by State and depends on the reliability requirements for estimates for each State. The State sampling ratios range roughly from 1 in every 200 households to 1 in every 2,500 households in each stratum of the State. The sampling ratio occasionally is modified slightly to hold the size of the sample relatively constant given the overall growth of the population. The sampling ratio used within a sample PSU depends on the probability of selection of the PSU and the sampling ratio for the State. In a sample PSU with a probability of selection of 1 in 10 with a State sampling ratio of 1 in 2,500, the within-PSU sampling ratio that results is 1 in 250, thereby achieving the desired ratio of 1 in 2,500 for the stratum.

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

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

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

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

*Rotation of sample.* Part of the sample is changed each month. For each sample, eight representative subsamples or rotation groups are identified. A given rotation group is interviewed for a total of 8 months, divided into two equal periods. It is in the sample for 4 consecutive months, leaves the sample during the following 8 months, and then returns for another 4 consecutive months. In any 1 month, one-eighth of the rotation groups are in their first month of enumeration, another eighth is in their second month, and so on. Under this system, 75 percent of the sample segments are common from month to month and 50 percent from year to year. This procedure, which was introduced in 1953, provides a substantial amount of month-to-month and year-to-year overlap in the sample, thus reducing discontinuities in the series of data without burdening any specific group of households with an unduly long period of inquiry.

Table 1-A provides a description of some aspects of the CPS sample design in use since 1947. A more detailed account of the history of the CPS sample design appears in *The Current Population Survey: Design and Methodology*, Technical Paper No. 40, Bureau of the Census, or *Concepts and Methods Used in Labor Force Statistics Derived from the Current Population Survey*, Report 463, Bureau of Labor Statistics. A description of the 1980 census-based sample appears in "Redesign of the Sample for the Current Population Survey," in the May 1984 issue of *Employment and Earnings*.

## ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously

and are based on returns from the entire panel of respondents. The estimation procedure involves weighting the data from each sample person by the inverse of the probability of the person being in the sample. This gives a rough measure of the number of actual persons that the sample person represents. Since 1985, almost all sample persons within the same State have the same probability of selection (with the exception of New York and California, where the cities of New York and Los Angeles are sampled at a higher probability). These selection probabilities are then adjusted for noninterviews; ratio adjustments are made to known population controls; and composite the estimation procedure is applied.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondents for other reasons. This noninterview adjustment is made separately for clusters of similar sample areas that are usually, but not necessarily, contained within a State. Similarity of sample areas is based on Metropolitan Statistical Area (MSA) status and size. Within each cluster, there is a further breakdown by residence. Each MSA cluster is split by "central city" and "balance of the MSA." Each non-MSA cluster is split by "urban" and "rural" residence categories. The proportion of sample households not interviewed varies from 4 to 5 percent, depending on weather, vacation, etc.

2. *Ratio estimates.* The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole in such characteristics as age, race, sex, and residence. Because these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the survey estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

### **Rounding of estimates**

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

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

### **Reliability of the estimates**

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

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

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

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

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

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

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

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

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

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

above the estimate would include the true population value.

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

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

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

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

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

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

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

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

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

(In thousands)

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(in thousands)

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

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

(In thousands)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Characteristic	a	b
Labor force and not-in-labor-force data other than agricultural employment and unemployment:		
Total <sup>1</sup> .....	-0.000015503	2488.36
Men <sup>1</sup> .....	-.000028833	2300.61
Women .....	-.000025830	2111.70
Both sexes, 16 to 19 years .....	-.000149802	2039.69
White <sup>1</sup> .....	-.000017494	2488.36
Men .....	-.000032295	2300.61
Women .....	-.000029346	2111.70
Both sexes, 16 to 19 years .....	-.000177579	2039.69
Black .....	-.000113103	2613.14
Men .....	-.000273973	2458.39
Women .....	-.000164107	2181.67
Both sexes, 16 to 19 years: .....	-.001144754	2390.62
Hispanic origin .....	-.000199918	2945.94
Not in labor force, total or white, excluding women and 16-to 19-year-olds .....	.000005200	690.84
Agricultural employment:		
Total or white .....	.000685688	2541.14
Men .....	.000755044	2351.42
Women or both sexes, 16 to 19 years .....	-.000021749	2155.45
Black .....	-.000121753	2626.04
Hispanic origin:		
Total or women .....	.011486158	2189.09
Men or both sexes, 16 to 19 years .....	.015153395	1268.58
Unemployment:		
Total or white .....	-.000015749	2464.91
Black .....	-.000191460	2621.89
Hispanic origin .....	-.000098631	2704.53

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

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

Characteristic	a	b
Labor force and not-in-labor-force data other than agricultural employment and unemployment:		
Total or white:		
Most characteristics .....	-0.00010944	1668.04
High correlation characteristics <sup>1</sup> .....	-.000008144	1304.38
Low correlation characteristics <sup>1</sup> .....	-.000014170	2126.02
Men:		
Most characteristics .....	-.000019884	1599.03
High correlation characteristics .....	-.000014794	1249.33
Low correlation characteristics .....	-.000051372	2221.13
Women:		
Most characteristics .....	-.000018554	1410.58
Low correlation characteristics .....	-.000052252	2245.76
Both sexes, 16 to 19 years .....	-.000162663	2097.34
Black:		
Most characteristics .....	-.000089327	1787.47
Low correlation characteristics .....	-.001740338	5422.14
Men:		
Most characteristics .....	-.000212603	1912.52
Low correlation characteristics .....	-.002613218	4889.94
Women:		
Most characteristics .....	-.000140597	1539.24
Low correlation characteristics .....	-.002078353	4483.53
Both sexes, 16 to 19 years .....	-.001139392	2538.37
Hispanic origin:		
Total .....	-.000152279	2098.10
Civilian labor force and not in labor force .....	-.000099676	1459.85
Low correlation characteristics .....	-.002541911	6518.78
Men, civilian labor force and not in labor force .....	-.000238849	1749.13
Men, 16 years and over; 20 years and over; and both sexes, 16 to 19 years .....	-.000384132	2694.10
Women, 16 years and over and 20 years and over .....	-.000330113	1972.12
Agricultural employment:		
Total or white:		
Total .....	-.000346999	3199.19
Men .....	-.000592136	3295.42
Women or both sexes, 16 to 19 years .....	.000113873	1975.66
Black:		
Total or women .....	-.000110444	2382.12
Men or both sexes, 16 to 19 years .....	-.017331654	4929.50
Hispanic origin:		
Total or women .....	.002782195	3509.38
Men or both sexes, 16 to 19 years .....	.002777539	3001.45
Self-employed .....	-.000215510	1743.43
Unemployment: <sup>2</sup>		
Total or white:		
Total, men, women .....	-.000082123	3494.11
Both sexes, 16 to 19 years and low correlation characteristics .....	-.000062800	4269.23
Black:		
Total, men, women, and both sexes, 16 to 19 years .....	-.000373894	3630.26
High correlation characteristics .....	.000043481	2571.23
Hispanic origin:		
Total, men, women .....	-.000244978	3822.03
Both sexes, 16 to 19 years and low correlation characteristics .....	-.000965230	5321.96

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

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

in monthly estimates. Table 1-H gives factors to be applied only to standard errors for monthly levels. Follow these three basic steps:

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

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

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

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

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

**Step 2.** Obtain the a and b parameters from table 1-F (“labor force and not-in-labor-force data other than agricultural employment and unemployment, black, total”). Use the formula for  $s_x$  to compute an approximate standard error for a monthly estimate of 11,600,000.

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

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

**Step 3.** Multiply this result by the factor .87 from table 1-H (column labeled “quarterly averages” and row labeled “labor force and not-in-labor-force data other than agricultural employment and unemployment, black”). This gives an approximate standard error of 107,000 on the quarterly average of 11,600,000.

Proceed to obtain the approximate standard error on the change in consecutive quarterly average estimates of black employment. Assume that black employment estimates for the months in the second quarter are observed to be 11,100,000, 11,200,000, and 11,300,000.

**Step 1.** The average for the second quarter is 11,200,000. The average of the 2 quarters is 11,400,000.

**Step 2.** Obtain the a and b parameters as above and use the formula for  $s_x$  to compute an approximate standard error for the estimate of 11,400,000, treating it as an estimate for a single month.

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

**Step 3.** Multiply this result by the factor .84 from table 1-H (column labeled “change in quarterly averages” and row labeled “labor force and not-in-labor-force data other than agricultural employment and unemployment, black”). This gives an approximate standard error of 103,000 on the estimated change of 400,000 from 1 quarter to the next.

The estimated change clearly exceeds 2 standard errors; therefore, one could conclude from these data that the change in quarterly averages is significant.

**Table 1-H. Factors to be used with tables 1-B, 1-C, 1-D, and 1-F to compute the approximate standard errors for levels, rates, and percentages for year-to-year change of monthly estimates, quarterly averages, change in quarterly averages, yearly averages, and change in yearly averages**

Characteristic	Factor				
	Year-to-year change of monthly estimate	Quarterly averages	Change in quarterly averages	Yearly averages	Change in yearly averages
Agricultural employment:					
Total or men .....	1.30	0.92	0.70	0.79	0.70
Women .....	1.30	.82	.84	.57	.70
Both sexes, 16 to 19 years .....	1.30	.78	.88	.49	.70
Part time .....	1.40	.80	.80	.59	.70
Unemployment:					
Total .....	1.40	.74	.88	.46	.65
Part time .....	1.40	.67	.88	.42	.54
Labor force and not-in-labor-force data other than agricultural employment and unemployment:					
Total or white .....	1.30	.87	.85	.65	.70
Black .....	1.30	.87	.84	.65	.70
Hispanic origin .....	1.30	.87	.80	.65	.70
Both sexes, 16 to 19 years .....	1.30	.79	.88	.54	.70
Part time .....	1.40	.82	.90	.51	.60

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

## COLLECTION

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

### Federal-State cooperation

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

### Shuttle schedules

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

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

## CONCEPTS

### Industrial classification

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

All data on employment, hours, and earnings for the Nation (beginning with August 1990 data) and for States and areas (beginning with January 1990 data) are classified in accordance with the *1987 Standard Industrial Classification Manual*, Office of Management and Budget. BLS tabulates and estimates statistics which distinguish between private and public establishments, thus maintaining continuity with previously published statistics for the private and government sectors.

### Industry employment

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

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

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

*Indexes of diffusion of employment change* (table B-7). These indexes measure the dispersion among industries of the change in employment over the specified time span. Beginning with August 1990 data, the overall indexes are calculated from 356 seasonally adjusted employment series (3-digit industries) covering all nonfarm payroll employment in the private sector. The manufacturing diffusion indexes are based on 139 3-digit industries.

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

The reference point for diffusion analysis is 50 percent, the value which indicates that the same number of component industries has increased as has decreased. Index numbers above 50 show that more industries had increasing

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

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

### Industry hours and earnings

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

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

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

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

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

ment insurance, group insurance, withholding tax, bonds, or union dues; also included is pay for overtime, holidays, vacation, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period); other pay not earned in the pay period reported (e.g., retroactive pay); tips; and the value of free rent, fuel, meals, or other payments in kind are excluded. "Fringe benefits" (such as health and other types of insurance, contributions to retirement, etc., paid by the employer) are also excluded.

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

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

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

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

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

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

ment industry where little or no overtime was worked in both the previous and current months.

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

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

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

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

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

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

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

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

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

## ESTIMATING METHODS

The Current Employment Statistics (CES) or establishment survey estimates of employment are generated through an annual benchmark and monthly sample link procedure. Annual universe counts or benchmark levels are generated primarily from administrative records on employees covered by unemployment insurance (UI) tax laws. These annual benchmarks, established for March of each year, are projected forward for each subsequent month based on the trend of the sample employment, using an estimation procedure called the link relative. Benchmarks and sample link relatives are computed for each of 1,700 basic estimation cells defined by industry, size, and geography for the CES national estimates, and summed to create aggregate level employment estimates.

### Benchmarks

The establishment survey constructs annual benchmarks in order to realign the sample-based employment



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

Population counts are derived from the administrative file of employees covered by UI. All employers covered by UI laws are required to report employment and wage information to the appropriate State employment security agency four times a year. Approximately 99 percent of in-scope private employment is covered by UI. A benchmark for the remaining 1 percent is constructed from alternate sources, primarily records from the Interstate Commerce Commission and the Social Security Administration. The full benchmark developed for March replaces the March sample-based estimate, for each basic cell. The monthly sample-based estimates for the year preceding and the year following the benchmark are also then subject to revision.

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

Estimates for the months following the March benchmark are recalculated by applying previously derived over-the-month sample changes to the new, revised March level. Thus, while the employment levels for postbenchmark months can be substantially revised, the trends and over-the-month changes remain relatively the same.

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

### **Monthly estimation**

Estimates are derived from a sample of approximately 350,000 business establishments nationwide. A current month's estimate is derived as the product of the previous month's estimate and a sample link relative for the current month. A bias adjustment factor is then applied to this result primarily to help account for new business births during the month.

*Stratification.* The sample is stratified into 1,700 basic estimation cells for purposes of computing national employment, hours, and earnings estimates. Cells are defined primarily by detailed industry, and secondarily by size for

a majority of cells. In a few industries, mostly within the construction division, geographic stratification is also used. Industry classification is in accordance with the *1987 Standard Industrial Classification Manual (SIC)*; most estimation cells are defined at the 4-digit level.

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

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

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

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

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

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

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

<sup>2</sup> The sample production-worker ratio, women-worker ratio, average weekly hours, average overtime hours, and average hourly earnings are modified by a wedging technique designed to compensate for changes in the sample arising mainly from the voluntary character of the reporting. The wedging procedure accepts the

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

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

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

## THE SAMPLE

### Design

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

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

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

### Coverage

The establishment survey is the largest monthly sampling operation in the field of social statistics. Table 2-B

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

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

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

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

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

shows the latest benchmark employment levels and the approximate proportion of total universe employment coverage, at the total nonfarm and major industry division levels. The coverage for individual industries within the divisions may vary from the proportions shown.

### Reliability

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

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

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

(Numbers in thousands)

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

<sup>1</sup> Data relate to the 1982-91 benchmarks, unless otherwise noted.<sup>3</sup> Data relate to 1983-91 benchmarks.<sup>2</sup> Less than 0.05 percent.

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

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

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

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

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

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

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

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

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

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

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

*Hours and earnings.* The hours and earnings estimates for the basic estimating cells do not have universe data sources available and therefore are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. The hours and earnings estimates, however, are subject to sampling errors, which may be expressed as relative errors of the estimates. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors for major industries are presented in table 2-E and for individual industries with the specified number of employees in table 2-D. The chances are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a smaller percentage than the relative error from the averages that would have been obtained from a complete census.

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

(In percent)

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

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

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

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

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

*Revisions between preliminary and final data.* First preliminary estimates of employment, hours, and earnings, based on less than the total sample, are published immediately following the reference month. Final revised sample-based estimates are published 2 months later when nearly all the reports in the sample have been received. Table 2-F presents the root-mean-square error, the mean percent, and the mean absolute percent revision that may be expected between the preliminary and final employment estimates. The interpretation of these measures parallels the description above for revisions between final sample-based estimates and benchmarks (i.e., tables 2-B and 2-D).

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

## **STATISTICS FOR STATES AND AREAS**

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

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

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

### COLLECTION

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

### CONCEPTS

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

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

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

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

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

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

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

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

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

### NOTES ON THE DATA

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

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

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



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

## FEDERAL-STATE COOPERATIVE PROGRAM

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

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

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

## ESTIMATING METHODS

Monthly labor force, employment, and unemployment estimates are prepared for the 50 States, the District of Columbia, and over 2,600 labor market areas. The estimation methods are described below for States (and the District of Columbia) and for sub-State areas. A more detailed description of the estimation procedure is contained in the BLS document, *Manual for Developing Local Area Unemployment Statistics*.

### Estimates for States

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

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

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

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

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

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

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

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

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

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

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

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

mates, to which are added estimates for employment not represented in the CES—agricultural employees, nonagricultural self-employed and unpaid family workers, and private household workers.

*Preliminary estimate--unemployment.* In the current month, the estimate of unemployment is an aggregate of the estimates for each of three categories: (1) Persons who were previously employed in industries covered by State UI laws; (2) those previously employed in industries not covered by these laws; and (3) those who were entering the civilian labor force for the first time or reentering after a period of separation.

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

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

## Seasonal Adjustment

Over the course of a year, the size of the Nation's labor force, the levels of employment and unemployment, and other measures of labor market activity undergo sharp fluctuations due to such seasonal events as changes in weather, reduced or expanded production, harvests, major holidays, and the opening and closing of schools. Because these seasonal events follow a more or less regular pattern each year, their influence on statistical trends can be eliminated by adjusting the statistics from month to month. These adjustments make it easier to observe the cyclical and other nonseasonal movements in the series. In evaluating changes in a seasonally adjusted series, it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, because they are subject not only to sampling and other errors but are also affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment-based data are published monthly in *Employment and Earnings*.

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

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

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

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

In each January issue, *Employment and Earnings* publishes revised seasonally adjusted data for selected labor force series based on the experience through December, new seasonal adjustment factors to be used to calculate the civilian unemployment estimate for the first 6 months of the following year, and a description of the current seasonal adjustment procedure. Revised seasonally adjusted data covering the revision period for a broader range of labor force series are published in the February issue of this publication.

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

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

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

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

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

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

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

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

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

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

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

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