

EMPLOYMENT AND EARNINGS

October 1986

U.S. Department of Labor
Bureau of Labor Statistics





U.S. DEPARTMENT OF LABOR
William E. Brock, Secretary

BUREAU OF LABOR STATISTICS
Janet L. Norwood, Commissioner

Employment and Earnings is prepared by the Division of Data Development and Users' Services and the Division of Monthly Industry Employment Statistics in collaboration with the Division of Editorial Services. The data are collected by the Bureau of the Census (Department of Commerce) and State employment security agencies, in cooperation with the Bureau of Labor Statistics. A brief description of the cooperative statistical programs of the BLS with these agencies is presented in the Explanatory Notes.

Employment and Earnings may be ordered through the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Subscription price per year \$22 domestic and \$27.50 foreign. Single copy \$8.50 domestic and \$10.63 foreign. Annual supplement \$14 domestic and \$17.50 foreign. Prices are subject to change by the U.S. Government Printing Office. For ordering information call (202) 783-3238.

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ISSN 0013-6840

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

Establishment data

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

State and area labor force data

Annual averages	May
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¹ The latest supplement was published in June 1986.

Employment and Earnings

Vol. 33 No. 10 October 1986

Editors: Gloria Peterson Green, Rosalie K. Epstein

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Employment and Unemployment Developments, September 1986

Unemployment rose in September. Both the overall unemployment rate, 6.9 percent, and the civilian worker rate, 7.0 percent, were up two-tenths of a percentage point, offsetting some of the improvement made in recent months.

Nonagricultural payroll employment—as measured by the monthly survey of business establishments—was little changed from August. Total civilian employment—as measured by the monthly survey of households—fell by 265,000.

Unemployment

After 3 consecutive months of decline, the civilian worker unemployment rate rose from 6.8 percent in August to 7.0 percent in September. The number of unemployed persons increased by 300,000 to 8.3 million. So far this year, the civilian jobless rate has ranged between 6.7 and 7.3 percent, with the average about the same as the September rate.

Unemployment rates rose over the month for adult men, to 6.2 percent (concentrated among 20-24-year-olds), and whites to 6.0 percent, returning both to July levels following declines in August. The jobless rate for teenagers edged up 1 percentage point to 18.7 percent. There was little movement in the unemployment rates for adult women (6.2 percent), blacks (14.8 percent), and Hispanics (11.1 percent). (See tables A-33 and A-34.)

The number of unemployed persons who lost their last jobs increased 215,000 to 4.0 million in September, mostly among those who did not expect to be recalled. The mean and median duration of unemployment were essentially unchanged, at 15.6 percent and 7.2 weeks, respectively. (See tables A-40 and A-41.)

Civilian employment and the labor force

Employment normally declines markedly in September with the resumption of school schedules. The decline was slightly more than usual this September, and, after seasonal adjustment, total civilian employment fell 265,000 to 109.9 million. The employment-population ratio edged down from the record 60.9 percent in August to 60.7 percent in September. (See table A-33.)

Over-the-month seasonally adjusted job losses were concentrated largely among married women, whose employment tends to decline in June and rise in September and October. Fewer married women than normal left jobs this June, thereby producing a large employment increase, and fewer than normal returned to jobs this September, resulting in the employment decline. (See table A-35.)

At 118.2 million, the civilian labor force was unchanged in September, after seasonal adjustment. Over the year, the labor force has climbed by 2.0 million (after allowance is made for revisions in the underlying population estimates that were introduced in January).

Discouraged workers

In the third quarter of 1986, there were 1.2 million discouraged workers—persons who wanted to work but did not look for jobs because they believed that they could not find any. The level has been largely unchanged for more than a year. About 65 percent of the discouraged workers cited job-market factors as their reason for not looking, while 35 percent cited personal reasons. (See table A-53.)

Industry payroll employment

Nonagricultural payroll employment was little changed in September, as declining employment levels in the goods-producing sector were offset by moderate gains in the service-producing sector. The payroll total was 100.4 million, seasonally adjusted. (See table B-4.)

In the service-producing sector, services employment rose by 55,000 over the month, led by the business services component. Finance, insurance, and real estate jobs increased by 20,000. Employment also rose in retail trade but was unchanged in the wholesale trade industry. After accounting for the return to work of communications workers who had been on strike, employment in transportation and public utilities remained unchanged over the month.

Employment in each of the industries that comprise the goods-producing sector either held steady or declined in September. Construction employment, which had been rising in recent months, was unchanged. Manufacturing employment, after holding steady in August, resumed its downward trend. The bulk of the decline in factory jobs occurred in the nonelectrical machinery industry, part of which was due to a strike. Mining employment fell slightly, mostly a continuation of the slide in the oil and gas extraction industry.

Weekly hours

Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls were 34.7 in September, down 0.1 hour, after seasonal adjustment. In manufacturing, both weekly hours and overtime hours were unchanged. (See table C-5.)

The index of aggregate weekly hours of production or non-supervisory workers on private nonagricultural payrolls remained at 118.4 (1977 = 100), after seasonal adjustment. The factory index was down 0.3 percent to 92.5. (See table C-6.)

Hourly and weekly earnings

Both average hourly and weekly earnings were about unchanged in September, after seasonal adjustment. Prior to seasonal adjustment, average hourly earnings rose by 12 cents to \$8.81, and weekly earnings increased by \$2.45 to \$307.47. Over the past year, average hourly earnings have risen by 14 cents, while average weekly earnings were up

\$4.02. (See tables C-1 and C-7.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 169.7 (1977 = 100) in September, seasonally adjusted, an increase of 0.3 percent from August. For the 12 months ended in September, the increase was 2.0 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in manufacturing overtime and interindustry employment shifts. In dollars of constant purchasing power, the HEI increased 1.0 percent during the 12-month period ended in August. (See table 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>
October	November 7	January	February 6
November	December 5	February	March 6
December	January 9	March	April 3

**HOUSEHOLD DATA
HISTORICAL**

A-1. Employment status of the noninstitutional population 16 years and over, 1952 to date

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force									Not in labor force
		Number	Percent of population	Employed					Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force	
						Total	Agriculture	Nonagricultural industries			
Annual averages											
1952	107,617	64,524	60.0	62,636	2,386	60,250	6,500	53,749	1,883	2.9	43,093
1953 ¹	109,287	65,246	59.7	63,410	2,231	61,179	6,260	54,919	1,834	2.8	44,041
1954	110,463	65,785	59.6	62,251	2,142	60,109	6,205	53,904	3,532	5.4	44,678
1955	111,747	67,087	60.0	64,234	2,064	62,170	6,450	55,722	2,852	4.3	44,660
1956	112,919	68,517	60.7	65,764	1,965	63,799	6,283	57,514	2,750	4.0	44,402
1957	114,213	68,877	60.3	66,019	1,948	64,071	5,947	58,123	2,859	4.2	45,336
1958	115,574	69,486	60.1	64,883	1,847	63,036	5,586	57,450	4,602	6.6	46,088
1959	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960
1960 ¹	119,106	71,489	60.0	67,639	1,861	65,778	5,456	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 ²	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 ²	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091
1973 ¹	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667
1974	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171
1975	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377
1976	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991
1977	160,689	100,665	62.6	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025
1978 ¹	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659
1979	166,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900
1980	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806
1981	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460
1982	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067
1983	175,891	113,226	64.4	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665
1984	178,080	115,241	64.7	106,702	1,697	105,005	3,321	101,685	8,539	7.4	62,839
1985	179,912	117,167	65.1	108,856	1,706	107,150	3,179	103,971	8,312	7.1	62,744
Monthly data, seasonally adjusted²											
1985:											
September	180,304	117,522	65.2	109,251	1,732	107,519	3,017	104,502	8,271	7.0	62,782
October	180,470	117,814	65.3	109,513	1,700	107,813	3,058	104,755	8,301	7.0	62,656
November	180,642	117,832	65.2	109,671	1,702	107,969	3,070	104,899	8,161	6.9	62,810
December	180,810	117,927	65.2	109,904	1,698	108,206	3,151	105,055	8,023	6.8	62,883
1986:											
January ¹	181,361	118,477	65.3	110,646	1,691	108,955	3,299	105,655	7,831	6.6	62,885
February	181,512	118,779	65.4	110,252	1,691	108,561	3,096	105,465	8,527	7.2	62,733
March	181,678	118,900	65.4	110,481	1,693	108,788	3,285	105,503	8,419	7.1	62,778
April	181,843	118,929	65.4	110,587	1,695	108,892	3,222	105,670	8,342	7.0	62,914
May	181,998	119,351	65.6	110,797	1,687	109,110	3,160	105,950	8,554	7.2	62,647
June	182,183	119,796	65.8	111,353	1,680	109,673	3,165	106,508	8,443	7.0	62,387
July	182,354	119,744	65.7	111,554	1,672	109,882	3,112	106,769	8,190	6.8	62,610
August	182,525	119,879	65.7	111,852	1,697	110,155	3,048	107,107	8,027	6.7	62,646
September	182,713	119,936	65.6	111,607	1,716	109,891	3,121	106,770	8,329	6.9	62,777

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

² The population and Armed Forces figures are not adjusted for seasonal variation.

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

**HOUSEHOLD DATA
HISTORICAL**

A-2. Employment status of the noninstitutional population 16 years and over by sex, 1975 to date

(Numbers in thousands)

Sex, year, and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
Annual averages												
MEN												
1975	73,891	57,889	78.4	53,457	1,600	51,857	2,824	49,032	4,442	7.7	15,993	
1976	75,341	58,756	78.0	54,720	1,582	53,138	2,744	50,394	4,036	6.9	16,585	
1977	76,756	59,959	78.1	56,291	1,563	54,728	2,671	52,057	3,667	6.1	16,797	
1978 ¹	78,107	61,151	78.3	58,010	1,531	56,479	2,718	53,761	3,142	5.1	16,956	
1979	79,509	62,215	78.2	59,096	1,489	57,607	2,686	54,921	3,120	5.0	17,293	
1980	80,677	62,932	77.8	58,665	1,479	57,186	2,709	54,477	4,267	6.8	17,945	
1981	82,023	63,486	77.4	58,909	1,512	57,397	2,700	54,697	4,577	7.2	18,537	
1982	83,052	63,979	77.0	57,800	1,529	56,271	2,736	53,534	6,179	9.7	19,073	
1983	84,064	64,580	76.8	56,320	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	
Monthly data, seasonally adjusted²												
1985:												
September	86,217	66,074	76.6	61,629	1,560	60,049	2,413	57,636	4,445	6.7	20,143	
October	86,293	66,227	76.7	61,656	1,551	60,105	2,402	57,703	4,571	6.9	20,066	
November	86,374	66,176	76.6	61,731	1,552	60,179	2,435	57,744	4,445	6.7	20,198	
December	86,459	66,139	76.5	61,793	1,549	60,244	2,506	57,738	4,348	6.8	20,320	
1986:												
January ¹	86,882	66,679	76.7	62,458	1,539	60,919	2,546	58,373	4,221	6.3	20,203	
February	86,954	66,838	76.9	62,243	1,539	60,704	2,451	58,253	4,595	6.9	20,118	
March	87,035	66,864	76.8	62,288	1,540	60,746	2,643	58,104	4,577	6.8	20,171	
April	87,120	66,757	76.6	62,254	1,541	60,713	2,606	58,107	4,503	6.7	20,363	
May	87,195	66,943	76.8	62,190	1,533	60,657	2,515	58,142	4,754	7.1	20,252	
June	87,288	66,964	76.7	62,322	1,525	60,797	2,559	58,236	4,842	6.9	20,324	
July	87,373	66,936	76.6	62,365	1,518	60,847	2,476	58,371	4,571	6.8	20,437	
August	87,460	66,944	76.5	62,515	1,541	60,974	2,382	58,592	4,429	6.6	20,516	
September	87,556	67,094	76.6	62,483	1,560	60,923	2,479	58,444	4,611	6.9	20,462	
Annual averages												
WOMEN												
1975	80,938	37,553	46.4	34,067	78	33,989	584	33,404	3,488	9.3	43,386	
1976	82,476	39,069	47.4	35,701	86	35,615	588	35,027	3,369	8.6	43,406	
1977	83,932	40,705	48.5	37,381	92	37,289	612	36,677	3,324	8.2	43,227	
1978 ¹	85,434	42,731	50.0	39,669	100	39,569	669	38,900	3,061	7.2	42,703	
1979	86,951	44,343	51.0	41,325	108	41,217	661	40,556	3,016	6.8	42,608	
1980	88,472	45,611	51.6	42,241	124	42,117	656	41,461	3,370	7.4	42,861	
1981	89,751	46,829	52.2	43,133	133	43,000	667	42,333	3,696	7.9	42,922	
1982	90,887	47,894	52.7	43,995	139	43,256	665	42,591	4,499	9.4	42,993	
1983	91,827	48,646	53.0	44,190	143	44,047	680	43,367	4,457	9.2	43,181	
1984	92,924	49,855	53.7	46,061	146	45,915	653	45,262	3,794	7.6	43,068	
1985	93,886	51,200	54.5	47,409	150	47,259	644	46,615	3,791	7.4	42,686	
Monthly data, seasonally adjusted²												
1985:												
September	94,087	51,448	54.7	47,622	152	47,470	604	46,866	3,826	7.4	42,639	
October	94,177	51,587	54.8	47,857	149	47,708	656	47,052	3,730	7.2	42,590	
November	94,266	51,655	54.8	47,939	149	47,790	635	47,155	3,716	7.2	42,611	
December	94,351	51,788	54.9	48,111	149	47,962	645	47,317	3,677	7.1	42,563	
1986:												
January ¹	94,479	51,797	54.8	48,187	152	48,035	753	47,282	3,610	7.0	42,682	
February	94,558	51,841	54.9	48,009	152	47,857	645	47,212	3,932	7.6	42,817	
March	94,643	52,036	55.0	46,194	153	46,041	642	47,399	3,842	7.4	42,607	
April	94,723	52,172	55.1	48,333	154	48,179	616	47,563	3,839	7.4	42,551	
May	94,803	52,408	55.3	48,608	154	48,454	646	47,608	3,800	7.3	42,395	
June	94,895	52,832	55.7	49,031	155	48,876	606	48,270	3,801	7.2	42,063	
July	94,981	52,808	55.6	49,189	154	49,035	637	48,398	3,619	6.9	42,173	
August	95,065	52,935	55.7	49,337	156	49,181	666	48,515	3,598	6.8	42,130	
September	95,156	52,842	55.5	49,125	156	48,969	642	48,326	3,717	7.0	42,314	

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

² The population and Armed Forces figures are not adjusted for seasonal variation.

A-3. Employment status of the civilian noninstitutional population 16 years and over, 1952 to date

(Numbers in thousands)

Year and month	Civilian noninstitutional population	Civilian labor force				Unemployment rates		
		Total	Percent of population	Employed	Unemployed	Total	Men	Women
Annual averages								
1952	105,231	62,138	59.0	60,250	1,883	3.0	2.8	3.6
1953 ¹	107,056	63,015	58.9	61,179	1,834	2.9	2.8	3.3
1954	108,321	63,643	58.8	60,109	3,532	5.5	5.3	6.0
1955	109,683	65,023	59.3	62,170	2,852	4.4	4.2	4.9
1956	110,954	66,552	60.0	63,799	2,750	4.1	3.8	4.8
1957	112,265	66,929	59.6	64,071	2,859	4.3	4.1	4.7
1958	113,727	67,639	59.5	63,036	4,602	6.8	6.8	6.8
1959	115,329	68,369	59.3	64,630	3,740	5.5	5.2	5.9
1960 ¹	117,245	69,628	59.4	65,778	3,852	5.5	5.4	5.9
1961	118,771	70,459	59.3	65,746	4,714	6.7	6.4	7.2
1962 ²	120,153	70,614	58.8	66,702	3,911	5.5	5.2	6.2
1963	122,416	71,833	58.7	67,762	4,070	5.7	5.2	6.5
1964	124,485	73,091	58.7	69,305	3,786	5.2	4.6	6.2
1965	126,513	74,455	58.9	71,088	3,366	4.5	4.0	5.5
1966	128,058	75,770	59.2	72,895	2,875	3.8	3.2	4.8
1967	129,874	77,347	59.6	74,372	2,975	3.8	3.1	5.2
1968	132,028	78,737	59.6	75,920	2,817	3.6	2.9	4.8
1969	134,335	80,734	60.1	77,902	2,832	3.5	2.8	4.7
1970	137,085	82,771	60.4	78,678	4,093	4.9	4.4	5.9
1971	140,216	84,382	60.2	79,367	5,016	5.9	5.3	6.9
1972 ¹	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 ¹	147,096	89,429	60.8	85,064	4,365	4.9	4.2	6.0
1974	150,120	91,949	61.3	86,794	5,156	5.6	4.9	6.7
1975	153,153	93,775	61.2	85,846	7,929	8.5	7.9	9.3
1976	156,150	96,158	61.6	88,752	7,406	7.7	7.1	8.6
1977	159,033	99,009	62.3	92,017	6,991	7.1	6.3	8.2
1978 ¹	161,910	102,251	63.2	96,048	6,202	6.1	5.3	7.2
1979	164,863	104,962	63.7	98,824	6,137	5.8	5.1	6.8
1980	167,745	106,940	63.8	99,303	7,637	7.1	6.9	7.4
1981	170,130	108,670	63.9	100,397	8,273	7.6	7.4	7.9
1982	172,271	110,204	64.0	99,526	10,678	9.7	9.9	9.4
1983	174,215	111,550	64.0	100,834	10,717	9.6	9.9	9.2
1984	176,383	113,544	64.4	105,005	8,539	7.5	7.4	7.6
1985	178,206	115,461	64.8	107,150	8,312	7.2	7.0	7.4
Monthly data, seasonally adjusted²								
1985:								
September	178,572	115,790	64.8	107,519	8,271	7.1	6.9	7.5
October	178,770	116,114	65.0	107,813	8,301	7.1	7.1	7.3
November	178,940	116,130	64.9	107,969	8,161	7.0	6.9	7.2
December	179,112	116,229	64.9	108,206	8,023	6.9	6.7	7.1
1986:								
January ¹	179,670	116,786	65.0	108,955	7,831	6.7	6.5	7.0
February	179,821	117,088	65.1	108,561	8,527	7.3	7.0	7.6
March	179,985	117,207	65.1	108,788	8,419	7.2	7.0	7.4
April	180,148	117,234	65.1	108,892	8,342	7.1	6.9	7.4
May	180,311	117,664	65.3	109,110	8,554	7.3	7.3	7.3
June	180,503	118,116	65.4	109,673	8,443	7.1	7.1	7.2
July	180,682	118,072	65.3	109,882	8,190	6.9	7.0	6.9
August	180,828	118,182	65.4	110,155	8,027	6.8	6.8	6.8
September	180,997	118,220	65.3	109,891	8,329	7.0	7.0	7.1

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

Explanatory Notes.

² The population figures are not adjusted for seasonal variation.

**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	September 1986										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
TOTAL											
16 years and over	180,997	118,244	65.3	110,229	8,015	6.8	62,752	29,050	8,629	2,807	22,267
16 to 19 years	14,496	7,561	52.2	6,143	1,418	18.8	8,936	422	5,888	22	605
16 to 17 years	7,402	3,156	42.6	2,542	615	19.5	4,248	107	3,920	6	211
18 to 19 years	7,094	4,404	62.1	3,601	803	18.2	2,690	315	1,967	13	394
20 to 24 years	19,436	15,327	78.9	13,873	1,654	10.8	4,109	1,577	1,789	71	692
25 to 54 years	97,448	80,374	82.5	75,987	4,387	5.5	17,074	12,269	942	1,050	2,812
25 to 34 years	41,912	34,926	83.3	32,605	2,320	6.6	6,986	5,054	686	253	993
25 to 29 years	21,430	17,841	83.3	16,557	1,283	7.2	3,589	2,498	440	130	520
30 to 34 years	20,482	17,085	83.4	16,048	1,037	6.1	3,397	2,555	245	122	474
35 to 44 years	32,771	27,856	84.4	26,330	1,326	4.8	5,115	3,795	204	337	778
35 to 39 years	18,398	15,543	84.5	14,785	778	5.0	2,855	2,148	134	172	395
40 to 44 years	14,374	12,114	84.3	11,565	548	4.5	2,260	1,643	89	165	383
45 to 54 years	22,765	17,793	78.2	17,052	741	4.2	4,973	3,419	53	460	1,040
45 to 49 years	11,923	9,622	80.7	9,228	394	4.1	2,302	1,608	39	200	456
50 to 54 years	10,842	8,171	75.4	7,824	347	4.2	2,671	1,811	15	290	584
55 to 64 years	21,986	11,917	54.2	11,452	465	3.9	10,069	5,142	17	654	4,257
55 to 59 years	11,156	7,243	64.9	6,951	292	4.0	3,913	2,307	8	331	1,268
60 to 64 years	10,830	4,674	43.2	4,501	173	3.7	6,156	2,836	9	323	2,989
65 years and over	27,630	3,066	11.1	2,974	92	3.0	24,565	9,641	13	1,010	13,901
65 to 69 years	9,582	1,835	19.2	1,779	56	3.1	7,747	3,138	2	249	4,357
70 years and over	18,048	1,231	6.8	1,195	35	2.8	16,817	6,503	10	761	9,544
Men											
16 years and over	85,996	85,419	76.1	61,243	4,177	6.4	20,577	465	4,339	1,666	14,107
16 to 19 years	7,275	3,953	54.3	3,207	746	18.9	3,322	14	2,974	19	315
16 to 17 years	3,774	1,677	44.4	1,337	339	20.2	2,097	4	1,966	7	121
18 to 19 years	3,501	2,276	65.0	1,870	407	17.9	1,224	9	1,008	12	194
20 to 24 years	9,438	8,049	85.3	7,170	880	10.9	1,388	23	960	48	357
25 to 54 years	47,534	44,665	94.0	42,454	2,211	5.0	2,869	157	394	734	1,584
25 to 34 years	20,583	19,483	94.7	18,345	1,138	5.8	1,080	55	329	187	530
25 to 29 years	10,509	9,909	94.3	9,258	650	6.6	600	28	215	84	273
30 to 34 years	10,054	9,574	95.2	9,086	488	5.1	480	27	114	82	257
35 to 44 years	15,989	15,195	95.0	14,505	691	4.5	793	60	52	234	448
35 to 39 years	9,002	8,583	95.3	8,161	422	4.9	419	31	32	119	238
40 to 44 years	6,987	6,813	94.8	6,344	269	4.1	374	29	19	115	211
45 to 54 years	10,982	9,987	90.9	9,605	382	3.8	996	41	13	334	607
45 to 49 years	5,780	5,355	92.6	5,162	193	3.6	425	16	9	145	256
50 to 54 years	5,202	4,632	89.0	4,443	189	4.1	570	25	5	189	351
55 to 64 years	10,323	6,945	67.3	6,663	282	4.1	3,377	66	8	426	2,878
55 to 59 years	5,306	4,206	79.3	4,030	176	4.2	1,100	34	5	220	841
60 to 64 years	5,017	2,739	54.6	2,633	107	3.9	2,277	32	3	206	2,037
65 years and over	11,427	1,806	15.8	1,749	57	3.2	9,620	206	2	439	8,973
65 to 69 years	4,348	1,054	24.2	1,019	35	3.3	3,294	67	7	144	3,083
70 years and over	7,079	753	10.6	730	22	3.0	6,326	140	2	295	5,890
Women											
16 years and over	95,000	52,825	55.6	48,986	3,839	7.3	42,175	28,585	4,290	1,141	8,159
16 to 19 years	7,221	3,608	50.0	2,936	672	18.6	3,614	408	2,914	3	290
16 to 17 years	3,628	1,480	40.8	1,204	278	18.6	2,148	102	1,954	2	90
18 to 19 years	3,594	2,128	59.2	1,732	396	18.6	1,466	306	959	1	200
20 to 24 years	9,998	7,278	72.8	6,504	774	10.6	2,720	1,554	809	23	335
25 to 54 years	49,914	35,709	71.5	33,533	2,176	6.1	14,205	12,112	548	316	1,228
25 to 34 years	21,348	15,443	72.3	14,261	1,182	7.7	5,906	4,999	357	86	464
25 to 29 years	10,921	7,932	72.6	7,299	633	8.0	2,989	2,470	225	46	247
30 to 34 years	10,428	7,511	72.0	6,962	549	7.3	2,917	2,528	131	40	217
35 to 44 years	16,783	12,461	74.2	11,825	835	5.1	4,322	3,735	152	104	331
35 to 39 years	9,396	6,960	74.1	6,604	356	5.1	2,436	2,121	102	53	159
40 to 44 years	7,387	5,501	74.5	5,221	279	5.1	1,886	1,614	50	50	172
45 to 54 years	11,783	7,806	66.2	7,447	359	4.6	3,977	3,378	40	127	433
45 to 49 years	6,143	4,267	69.5	4,066	201	4.7	1,877	1,592	30	55	200
50 to 54 years	5,640	3,539	62.8	3,381	158	4.5	2,101	1,786	10	71	233
55 to 64 years	11,663	4,971	42.6	4,789	182	3.7	6,692	5,076	9	228	1,379
55 to 59 years	5,850	3,037	51.9	2,921	118	3.8	2,813	2,272	3	111	427
60 to 64 years	5,814	1,934	33.3	1,868	66	3.4	3,879	2,804	6	117	952
65 years and over	16,204	1,259	7.8	1,225	35	2.7	14,944	9,435	11	571	4,928
65 to 69 years	5,234	781	14.9	780	21	2.7	4,453	3,071	2	105	1,274
70 years and over	10,969	478	4.4	465	13	2.8	10,491	6,363	8	466	3,654

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	September 1986										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
WHITE											
16 years and over	155,723	102,138	65.6	96,262	5,876	5.8	53,584	25,411	6,573	2,250	19,350
16 to 19 years	11,889	6,577	55.3	5,535	1,042	15.8	5,312	351	4,499	18	444
16 to 17 years	6,063	2,621	46.5	2,339	482	17.1	3,242	96	2,971	8	168
18 to 19 years	5,826	3,757	64.5	3,196	561	14.9	2,070	255	1,528	10	276
20 to 24 years	16,231	13,113	80.8	11,993	1,120	8.5	3,118	1,255	1,354	40	469
25 to 54 years	83,285	69,136	83.0	65,879	3,257	4.7	14,150	10,426	704	856	2,165
25 to 34 years	35,389	29,730	84.0	28,113	1,617	5.4	5,659	4,233	504	199	724
25 to 29 years	18,059	15,188	84.1	14,307	881	5.8	2,871	2,069	317	105	380
30 to 34 years	17,330	14,541	83.9	13,806	735	5.1	2,788	2,164	187	94	345
35 to 44 years	28,270	23,940	84.7	22,914	1,025	4.3	4,330	3,270	158	284	618
35 to 39 years	15,810	13,406	84.8	12,826	580	7.1	2,404	1,870	100	148	305
40 to 44 years	12,460	10,533	84.5	10,087	446	4.2	1,926	1,425	57	136	314
45 to 54 years	19,626	15,467	78.8	14,853	614	4.0	4,160	2,922	43	373	822
45 to 49 years	10,258	8,331	81.2	8,022	309	3.7	1,927	1,393	32	154	360
50 to 54 years	9,369	7,136	76.2	6,831	305	4.3	2,233	1,574	10	219	462
55 to 64 years	19,436	10,552	54.3	10,180	372	3.5	8,884	4,595	7	504	3,779
55 to 59 years	9,799	6,353	64.8	6,128	226	3.6	3,445	2,066	3	263	1,114
60 to 64 years	9,637	4,199	43.6	4,052	147	3.5	5,439	2,529	4	241	2,664
65 years and over	24,881	2,761	11.1	2,675	85	3.1	22,121	8,784	10	833	12,494
65 to 69 years	8,551	1,632	19.1	1,581	52	3.2	6,918	2,804	1	203	3,911
70 years and over	16,331	1,128	6.9	1,094	34	3.0	15,202	5,981	8	631	8,583
Men											
16 years and over	74,534	57,202	76.7	54,099	3,104	5.4	17,331	360	3,309	1,348	12,314
16 to 19 years	5,986	3,445	57.6	2,894	551	16.0	2,541	9	2,282	15	235
16 to 17 years	3,098	1,499	48.4	1,222	278	18.5	1,598	5	1,497	6	90
18 to 19 years	2,888	1,946	67.4	1,672	273	14.0	943	5	785	9	145
20 to 24 years	7,939	6,931	87.3	6,332	599	8.6	1,008	14	735	24	236
25 to 54 years	41,153	38,945	94.6	37,272	1,672	4.3	2,209	122	289	608	1,190
25 to 34 years	17,614	16,815	95.5	15,986	629	4.9	799	45	252	131	372
25 to 29 years	8,977	8,528	95.0	8,056	472	5.5	449	21	165	69	194
30 to 34 years	8,637	8,286	95.9	7,930	356	4.3	350	24	87	62	178
35 to 44 years	13,943	13,333	95.6	12,810	524	3.9	610	40	28	202	339
35 to 39 years	7,819	7,512	96.1	7,207	305	4.1	307	19	14	103	171
40 to 44 years	6,124	5,821	95.1	5,602	219	3.8	303	22	14	99	169
45 to 54 years	9,596	8,797	91.7	8,477	319	3.6	800	36	8	276	479
45 to 49 years	5,033	4,695	93.3	4,541	154	3.3	338	13	6	115	204
50 to 54 years	4,564	4,102	89.9	3,936	166	4.0	462	23	2	161	275
55 to 64 years	9,182	6,246	68.0	6,017	229	3.7	2,936	51	4	333	2,549
55 to 59 years	4,686	3,742	79.9	3,607	135	3.6	943	25	2	176	740
60 to 64 years	4,496	2,504	55.7	2,410	94	3.7	1,983	25	1	157	1,809
65 years and over	10,274	1,635	15.9	1,583	53	3.2	8,638	165		368	8,104
65 to 69 years	3,887	936	24.1	907	30	3.2	2,950	52		120	2,778
70 years and over	6,387	699	10.9	676	23	3.3	5,688	113		249	5,326
Women											
16 years and over	81,189	44,936	55.3	42,164	2,772	6.2	36,253	25,050	3,264	902	7,037
16 to 19 years	5,903	3,132	53.1	2,641	492	15.7	2,771	342	2,217	3	209
16 to 17 years	2,965	1,321	44.6	1,117	204	15.4	1,644	91	1,474	1	78
18 to 19 years	2,938	1,811	61.6	1,523	288	15.9	1,127	251	743	1	132
20 to 24 years	8,292	6,182	74.6	5,661	520	8.4	2,110	1,241	619	16	233
25 to 54 years	42,132	30,191	71.7	28,607	1,585	5.2	11,941	10,304	415	248	975
25 to 34 years	17,775	12,915	72.7	12,127	788	6.1	4,860	4,188	252	68	352
25 to 29 years	9,082	6,660	73.3	6,251	409	6.1	2,422	2,048	152	36	186
30 to 34 years	8,693	6,255	71.9	5,876	379	6.1	2,438	2,140	100	32	167
35 to 44 years	14,327	10,607	74.0	10,105	502	4.7	3,721	3,230	129	82	279
35 to 39 years	7,991	5,894	73.6	5,619	275	4.7	2,097	1,831	86	45	134
40 to 44 years	6,336	4,712	74.4	4,485	227	4.8	1,623	1,399	43	37	145
45 to 54 years	10,030	6,670	66.5	6,376	294	4.4	3,360	2,886	34	97	343
45 to 49 years	5,225	3,636	69.6	3,481	155	4.3	1,589	1,368	26	39	156
50 to 54 years	4,805	3,034	63.1	2,895	139	4.6	1,771	1,518	8	58	187
55 to 64 years	10,254	4,306	42.0	4,163	143	3.3	5,948	4,544	3	171	1,230
55 to 59 years	5,113	2,611	51.1	2,521	90	3.5	2,502	2,040		87	374
60 to 64 years	5,141	1,695	33.0	1,642	53	3.1	3,446	2,504	3	84	856
65 years and over	14,608	1,125	7.7	1,092	33	2.9	13,483	8,619	9	465	4,390
65 to 69 years	4,664	696	14.9	674	22	3.1	3,968	2,752	1	83	1,133
70 years and over	9,944	429	4.3	418	11	2.6	9,514	5,868	8	382	3,257

**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	September 1986										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
BLACK											
16 years and over	20,056	12,657	63.1	10,785	1,872	14.8	7,399	2,868	1,534	500	2,498
16 to 19 years	2,138	817	38.2	479	339	41.4	1,321	65	1,108	4	144
16 to 17 years	1,093	279	25.6	161	118	42.2	614	9	769		36
18 to 19 years	1,045	538	51.5	317	221	41.0	507	56	339	4	108
20 to 24 years	2,616	1,839	70.3	1,366	473	25.7	777	277	281	30	189
25 to 54 years	10,912	8,701	79.7	7,722	979	11.3	2,210	1,349	139	167	555
25 to 34 years	5,048	4,046	80.2	3,424	823	15.4	1,001	605	112	46	238
25 to 29 years	2,642	2,095	79.3	1,738	357	17.0	547	330	75	21	120
30 to 34 years	2,406	1,952	81.1	1,687	265	13.6	455	274	37	25	118
35 to 44 years	3,442	2,869	83.3	2,618	251	8.7	573	376	23	44	130
35 to 39 years	1,993	1,671	83.8	1,506	165	9.9	321	218	12	21	71
40 to 44 years	1,450	1,198	82.6	1,112	88	7.2	252	159	10	23	60
45 to 54 years	2,422	1,786	73.8	1,681	106	5.9	635	368	4	77	187
45 to 49 years	1,273	975	76.6	897	77	7.9	299	171	4	42	82
50 to 54 years	1,148	812	70.7	782	28	3.4	336	197		35	105
55 to 64 years	2,083	1,068	51.3	994	74	7.0	1,015	449	5	144	418
55 to 59 years	1,096	692	63.1	641	51	7.4	404	198	5	67	134
60 to 64 years	987	376	38.1	353	23	6.2	611	250		77	284
65 years and over	2,307	231	10.0	224	7	3.0	2,076	728	1	155	1,192
65 to 69 years	839	149	17.8	144	5	3.4	690	276	1	45	369
70 years and over	1,468	83	5.7	80	2	2.4	1,386	452		111	823
Men											
16 years and over	8,986	6,332	70.5	5,404	929	14.7	2,654	98	752	286	1,522
16 to 19 years	1,051	418	39.7	244	173	41.5	634	5	557	4	68
16 to 17 years	549	144	26.2	91	53	36.5	405	1	381		24
18 to 19 years	502	274	54.5	153	121	44.1	228	5	175	4	44
20 to 24 years	1,190	910	76.4	666	244	26.8	280	10	143	23	105
25 to 54 years	4,881	4,340	88.9	3,878	463	10.7	540	32	50	111	349
25 to 34 years	2,274	2,051	90.2	1,777	275	13.4	223	9	39	33	143
25 to 29 years	1,192	1,077	90.3	917	160	14.8	115	5	28	13	69
30 to 34 years	1,082	975	90.1	860	115	11.8	108	3	11	20	74
35 to 44 years	1,531	1,387	90.6	1,247	140	10.1	144	19	10	27	88
35 to 39 years	887	805	90.8	707	98	12.1	81	13	4	14	51
40 to 44 years	645	582	90.3	539	43	7.3	63	7	5	14	37
45 to 54 years	1,076	902	83.9	855	48	5.3	173	4	1	51	118
45 to 49 years	565	487	86.1	452	34	7.1	79	3	1	28	47
50 to 54 years	510	416	81.5	402	13	3.2	94	1		23	71
55 to 64 years	936	545	58.3	502	44	8.0	390	16	2	90	284
55 to 59 years	495	356	71.9	324	32	8.9	139	9	2	44	84
60 to 64 years	440	189	43.0	177	12	6.3	251	6		46	200
65 years and over	928	119	12.8	114	5	4.3	809	35		58	716
65 to 69 years	364	80	22.1	75	5	6.6	283	14		23	247
70 years and over	564	39	6.8	39	-	(¹)	526	21		35	470
Women											
16 years and over	11,070	6,325	57.1	5,381	943	14.9	4,745	2,770	784	215	977
16 to 19 years	1,087	400	36.8	234	165	41.4	687	60	551	-	76
16 to 17 years	544	135	24.9	70	65	48.3	408	8	388		12
18 to 19 years	543	264	48.7	164	100	37.9	279	51	164		64
20 to 24 years	1,426	929	65.2	700	229	24.6	496	267	138	7	84
25 to 54 years	6,031	4,361	72.3	3,844	516	11.8	1,670	1,317	89	56	206
25 to 34 years	2,774	1,995	71.9	1,647	348	17.4	778	596	73	13	95
25 to 29 years	1,450	1,018	70.2	821	197	19.4	432	325	47	8	51
30 to 34 years	1,324	977	73.8	827	150	15.4	347	271	26	5	44
35 to 44 years	1,911	1,482	77.5	1,371	110	7.4	429	357	13	17	42
35 to 39 years	1,106	866	78.3	799	67	7.8	240	205	8	7	20
40 to 44 years	805	616	76.5	573	43	7.0	189	152	5	9	23
45 to 54 years	1,346	884	65.7	826	58	6.6	462	364	3	26	69
45 to 49 years	708	488	68.9	445	43	8.8	220	168	3	14	35
50 to 54 years	638	396	62.0	380	15	3.9	242	196		12	34
55 to 64 years	1,147	523	45.5	492	31	5.9	625	433	3	54	134
55 to 59 years	601	336	55.9	316	20	5.8	265	189	3	23	50
60 to 64 years	547	187	34.2	176	11	6.0	360	244		31	84
65 years and over	1,379	112	8.1	110	2	1.7	1,267	693	1	97	476
65 to 69 years	475	69	14.4	69	-	(¹)	407	262	1	22	122
70 years and over	904	44	4.8	41	2	(¹)	860	431		76	353

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

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

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

(Numbers in thousands)

Age and sex	September 1986								Not in labor force
	Civilian noninstitutional population	Civilian labor force							
		Total	Percent of population	Employed			Unemployed		
Total	Agriculture			Nonagricultural industries	Number	Percent of labor force			
TOTAL									
16 years and over	25,274	16,106	63.7	13,967	230	13,737	2,139	13.3	9,168
16 to 19 years	2,607	983	37.7	608	11	597	375	38.2	1,624
16 to 17 years	1,339	336	25.1	202	3	199	133	39.7	1,004
18 to 19 years	1,268	647	51.1	406	8	397	242	37.4	620
20 to 24 years	3,205	2,214	69.1	1,680	25	1,655	534	24.1	991
25 to 54 years	14,164	11,238	79.3	10,108	146	9,961	1,131	10.1	2,925
25 to 34 years	6,523	5,196	79.7	4,493	60	4,433	703	13.5	1,327
25 to 29 years	3,371	2,653	78.7	2,251	29	2,223	401	15.1	719
30 to 34 years	3,151	1,360	43.2	2,242	32	2,211	302	22.2	608
35 to 44 years	4,501	3,717	82.6	3,416	45	3,371	301	8.1	785
35 to 39 years	2,586	2,136	82.6	1,938	24	1,915	198	9.3	451
40 to 44 years	1,914	1,581	82.6	1,478	22	1,457	102	6.5	334
45 to 54 years	3,139	2,326	74.1	2,199	42	2,157	127	5.5	813
45 to 49 years	1,666	1,291	77.5	1,205	27	1,180	84	6.5	375
50 to 54 years	1,474	1,035	70.2	993	15	977	42	4.1	438
55 to 64 years	2,550	1,365	53.5	1,273	31	1,242	92	6.8	1,185
55 to 59 years	1,357	890	65.5	823	24	799	66	7.4	468
60 to 64 years	1,193	475	39.8	449	7	442	26	5.5	718
65 years and over	2,749	305	11.1	298	17	282	7	2.2	2,444
65 to 69 years	1,031	202	19.6	198	9	190	5	2.5	829
70 years and over	1,718	103	6.0	100	8	92	11	10.7	1,615
Men									
16 years and over	11,463	8,217	71.7	7,144	185	6,960	1,073	13.1	3,246
16 to 19 years	1,289	508	39.4	313	10	303	195	38.4	781
16 to 17 years	677	177	26.2	115	2	114	62	34.9	499
18 to 19 years	612	331	54.0	197	8	189	133	40.4	282
20 to 24 years	1,498	1,118	74.6	837	17	820	281	25.1	380
25 to 54 years	6,382	5,720	89.6	5,182	117	5,065	539	9.4	661
25 to 34 years	2,950	2,668	90.5	2,359	49	2,310	309	11.6	281
25 to 29 years	1,532	1,381	90.1	1,203	22	1,181	178	12.9	152
30 to 34 years	1,417	1,288	90.8	1,156	28	1,129	131	10.2	130
35 to 44 years	2,046	1,862	91.0	1,695	33	1,663	167	9.0	183
35 to 39 years	1,182	1,070	90.5	954	21	933	117	10.9	112
40 to 44 years	863	792	91.7	742	12	730	50	6.3	71
45 to 54 years	1,386	1,190	85.8	1,127	35	1,092	63	5.3	196
45 to 49 years	748	660	88.3	620	24	597	39	6.0	88
50 to 54 years	639	530	83.0	507	11	495	23	4.4	108
55 to 64 years	1,141	699	61.3	646	23	623	53	7.6	441
55 to 59 years	621	464	74.7	423	18	405	40	8.7	157
60 to 64 years	520	236	45.3	223	5	218	13	5.4	284
65 years and over	1,153	171	14.8	166	17	149	5	2.8	982
65 to 69 years	461	117	25.5	112	9	103	5	4.6	344
70 years and over	692	54	7.7	54	8	46	-	(¹)	638
Women									
16 years and over	13,811	7,889	57.1	6,823	46	6,777	1,066	13.5	5,923
16 to 19 years	1,318	475	36.1	295	1	294	180	37.9	843
16 to 17 years	663	158	23.9	87	1	86	72	45.2	504
18 to 19 years	656	317	48.3	208	-	208	108	34.2	339
20 to 24 years	1,706	1,096	64.2	843	8	835	253	23.1	610
25 to 54 years	7,782	5,518	70.9	4,926	29	4,896	592	10.7	2,264
25 to 34 years	3,573	2,528	70.7	2,134	10	2,124	394	15.6	1,045
25 to 29 years	1,839	1,272	69.1	1,048	7	1,042	223	17.5	567
30 to 34 years	1,734	1,256	72.4	1,086	4	1,082	171	13.6	478
35 to 44 years	2,456	1,854	75.5	1,721	12	1,708	134	7.2	601
35 to 39 years	1,404	1,066	75.9	984	3	982	81	7.6	339
40 to 44 years	1,051	789	75.0	736	10	727	52	6.7	263
45 to 54 years	1,753	1,136	64.8	1,072	7	1,064	64	5.7	617
45 to 49 years	918	631	68.7	585	3	583	45	7.2	287
50 to 54 years	835	505	60.5	486	4	482	19	3.8	330
55 to 64 years	1,409	665	47.2	626	8	619	39	5.9	744
55 to 59 years	737	426	57.8	400	6	394	26	6.1	311
60 to 64 years	673	239	35.6	226	1	225	13	5.6	433
65 years and over	1,596	134	8.4	132	-	133	2	1.3	1,462
65 to 69 years	570	85	15.0	86	-	87	-	-	485
70 years and over	1,026	49	4.7	46	-	46	2	(¹)	977

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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	
	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986
TOTAL								
Civilian noninstitutional population	178,572	180,997	77,389	78,722	86,727	87,779	14,456	14,496
Civilian labor force	115,850	118,244	60,565	61,466	47,840	49,217	7,446	7,561
Percent of population	64.9	65.3	78.3	78.1	55.2	56.1	51.5	52.2
Employed	107,867	110,229	57,263	58,036	44,512	46,051	6,092	6,143
Agriculture	3,174	3,266	2,281	2,374	597	646	297	246
Nonagricultural industries	104,692	106,963	54,982	55,662	43,915	45,405	5,795	5,897
Unemployed	7,984	8,015	3,302	3,430	3,328	3,167	1,354	1,418
Unemployment rate	6.9	6.8	5.5	5.6	7.0	6.4	18.2	18.8
Not in labor force	62,721	62,752	16,824	17,255	38,887	38,562	7,010	6,936
White								
Civilian noninstitutional population	153,938	155,723	67,519	68,548	74,555	75,286	11,863	11,889
Civilian labor force	100,233	102,138	53,102	53,757	40,660	41,804	6,472	6,577
Percent of population	65.1	65.6	78.6	78.4	54.5	55.5	54.6	55.3
Employed	94,393	96,262	50,630	51,204	38,258	39,523	5,505	5,535
Agriculture	2,912	3,035	2,079	2,200	557	601	276	234
Nonagricultural industries	91,482	93,227	48,552	49,005	37,701	38,922	5,228	5,301
Unemployed	5,840	5,876	2,471	2,553	2,402	2,281	967	1,042
Unemployment rate	5.8	5.8	4.7	4.7	5.9	5.5	14.9	15.8
Not in labor force	53,705	53,584	14,418	14,790	33,896	33,482	5,392	5,312
Black								
Civilian noninstitutional population	19,728	20,056	7,762	7,935	9,813	9,983	2,153	2,138
Civilian labor force	12,414	12,657	5,810	5,915	5,788	5,925	816	817
Percent of population	62.9	63.1	74.9	74.5	59.0	59.4	37.9	38.2
Employed	10,533	10,785	5,091	5,160	4,970	5,147	472	479
Agriculture	214	179	168	134	30	35	16	10
Nonagricultural industries	10,319	10,606	4,923	5,025	4,940	5,112	456	469
Unemployed	1,880	1,872	719	755	818	778	344	339
Unemployment rate	15.1	14.8	12.4	12.8	14.1	13.1	42.1	41.4
Not in labor force	7,314	7,399	1,952	2,020	4,026	4,058	1,337	1,321

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

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	September 1986									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
				Total	Full time ¹	Part time ¹	Total	Looking for full-time work	Looking for part-time work	
TOTAL ENROLLED										
Total, 16 to 24 years	14,424	6,769	46.9	5,788	1,199	4,589	981	114	866	14.5
16 to 19 years	10,301	4,414	42.9	3,650	406	3,245	764	68	696	17.3
20 to 24 years	4,123	2,354	57.1	2,138	793	1,344	216	46	171	9.2
High school	7,431	3,117	41.9	2,525	181	2,344	592	60	531	19.0
College	6,993	3,652	52.2	3,262	1,018	2,245	389	54	335	10.7
Full-time students	5,958	2,742	46.0	2,417	426	1,991	324	30	294	11.8
Part-time students	1,035	910	87.9	845	591	254	65	24	41	7.1
Men, 16 to 24 years	7,353	3,426	46.6	2,894	629	2,265	532	65	467	15.5
16 to 19 years	5,270	2,294	43.5	1,888	249	1,639	406	44	362	17.7
20 to 24 years	2,083	1,132	54.4	1,006	380	626	126	22	105	11.2
High school	3,941	1,701	43.2	1,367	124	1,243	334	38	296	19.6
College	3,412	1,725	50.6	1,527	504	1,022	198	27	171	11.5
Full-time students	2,973	1,328	44.7	1,162	248	914	166	15	151	12.5
Part-time students	439	397	90.5	365	257	108	32	12	20	8.1
Women, 16 to 24 years	7,071	3,343	47.3	2,894	570	2,324	449	49	400	13.4
16 to 19 years	5,031	2,121	42.2	1,762	157	1,606	358	25	334	16.9
20 to 24 years	2,040	1,222	59.9	1,132	414	718	90	24	66	7.4
High school	3,490	1,416	40.6	1,158	57	1,101	258	23	235	18.2
College	3,581	1,927	53.8	1,736	513	1,223	191	26	164	9.9
Full-time students	2,985	1,414	47.4	1,256	179	1,077	158	15	143	11.2
Part-time students	596	513	86.0	480	334	146	33	11	21	6.4
White										
Total, 16 to 24 years	11,859	5,988	50.5	5,244	1,049	4,195	744	73	671	12.4
16 to 19 years	8,413	3,911	46.5	3,337	354	2,982	574	40	535	14.7
20 to 24 years	3,447	2,077	60.2	1,907	695	1,213	169	33	136	8.1
Men	6,071	3,059	50.4	2,645	560	2,085	414	38	376	13.5
Women	5,788	2,929	50.6	2,599	489	2,111	330	34	295	11.3
High school	5,949	2,763	46.4	2,317	160	2,157	446	35	411	16.1
College	5,910	3,225	54.6	2,927	889	2,038	298	38	260	9.2
Full-time students	5,032	2,444	48.6	2,194	373	1,821	251	16	235	10.2
Part-time students	878	780	88.9	733	516	217	47	22	25	6.1
Black										
Total, 16 to 24 years	1,980	599	30.3	396	103	293	204	39	165	34.0
16 to 19 years	1,513	402	26.6	237	34	203	166	27	138	41.2
20 to 24 years	466	197	42.2	159	69	90	38	12	26	19.4
Men	974	272	28.0	169	42	128	103	26	77	37.9
Women	1,005	327	32.5	226	61	165	101	13	88	30.8
High school	1,209	300	24.8	168	14	154	132	26	106	44.0
College	771	299	38.8	227	89	139	72	13	59	23.9
Full-time students	655	199	30.3	142	36	106	56	12	45	28.3
Part-time students	116	101	86.7	85	52	33	15	2	14	15.3
Hispanic origin										
Total, 16 to 24 years	1,148	427	37.2	348	95	253	78	10	69	18.3
16 to 19 years	826	253	30.6	193	31	162	60	2	57	23.7
20 to 24 years	322	174	54.0	155	64	91	18	7	11	10.5
Men	558	222	39.8	183	55	129	39	6	33	17.4
Women	590	204	34.6	165	40	124	39	4	36	19.3
High school	657	174	26.5	127	23	104	47	7	40	26.9
College	491	252	51.4	221	72	149	31	3	29	12.4
Full-time students	385	170	44.1	145	22	123	25	-	25	14.8
Part-time students	106	83	77.7	76	50	26	6	3	3	7.5

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, years of school completed, sex, race, and Hispanic origin—Continued

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	September 1986									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			
				Total	Full time ¹	Part time ¹	Total	Looking for full-time work	Looking for part-time work	Percent of labor force
TOTAL NOT ENROLLED										
Total, 16 to 24 years	19,508	16,119	82.6	14,028	11,979	2,049	2,091	1,890	200	13.0
16 to 19 years	4,196	3,146	75.0	2,493	1,777	715	654	574	80	20.8
20 to 24 years	15,313	12,973	84.7	11,536	10,202	1,334	1,437	1,316	121	11.1
Less than 4 years of high school	4,158	2,706	65.1	1,985	1,632	353	721	656	65	26.6
4 years of high school	10,338	8,821	85.3	7,770	6,571	1,200	1,050	950	100	11.9
1 to 3 years of college	3,327	2,976	89.4	2,762	2,365	396	214	180	34	7.2
4 years of college or more	1,685	1,617	96.0	1,511	1,411	101	106	105	1	6.5
Men, 16 to 24 years	9,360	8,577	91.6	7,483	6,739	744	1,094	1,027	67	12.8
18 to 19 years	2,005	1,660	82.8	1,319	1,021	299	340	310	31	20.5
20 to 24 years	7,355	6,917	94.0	6,164	5,718	445	753	717	36	10.9
Less than 4 years of high school	2,156	1,787	82.9	1,360	1,185	175	428	409	18	23.9
4 years of high school	4,991	4,675	93.7	4,143	3,753	390	532	500	32	11.4
1 to 3 years of college	1,504	1,418	94.3	1,326	1,190	136	93	76	17	6.5
4 years of college or more	709	696	98.2	654	611	43	42	42	-	6.0
Women, 16 to 24 years	10,148	7,543	74.3	6,546	5,240	1,306	997	863	134	13.2
16 to 19 years	2,191	1,487	67.9	1,174	757	417	313	264	49	21.1
20 to 24 years	7,958	6,056	76.1	5,372	4,483	889	684	599	84	11.3
Less than 4 years of high school	2,002	918	45.9	625	447	178	293	246	47	31.9
4 years of high school	5,347	4,146	77.5	3,627	2,817	810	518	451	68	12.5
1 to 3 years of college	1,823	1,557	85.4	1,436	1,175	260	122	104	17	7.8
4 years of college or more	977	921	94.4	858	800	57	64	62	1	6.9
White										
Total, 16 to 24 years	16,261	13,703	84.3	12,284	10,524	1,760	1,419	1,264	155	10.4
16 to 19 years	3,476	2,866	76.7	2,198	1,590	608	468	408	60	17.6
20 to 24 years	12,785	11,036	86.3	10,086	8,934	1,152	951	856	95	8.6
Men	7,854	7,318	93.2	6,582	5,949	632	736	685	51	10.1
Women	8,407	6,385	75.9	5,702	4,575	1,128	683	578	104	10.7
Less than 4 years of high school	3,345	2,259	67.5	1,748	1,464	283	511	462	49	22.6
4 years of high school	8,615	7,483	86.9	6,798	5,758	1,040	685	606	79	9.2
1 to 3 years of college	2,801	2,518	89.9	2,377	2,029	348	142	116	26	5.6
4 years of college or more	1,500	1,443	96.2	1,362	1,272	89	81	80	1	5.6
Black										
Total, 16 to 24 years	2,774	2,057	74.2	1,450	1,204	246	608	567	41	29.5
16 to 19 years	625	415	66.4	242	154	89	173	153	20	41.7
20 to 24 years	2,150	1,642	76.4	1,208	1,050	158	435	414	21	26.5
Men	1,288	1,055	83.3	741	650	91	314	301	13	29.8
Women	1,507	1,002	66.5	708	553	155	294	265	28	29.3
Less than 4 years of high school	696	374	53.8	192	131	61	182	165	17	48.6
4 years of high school	1,541	1,201	77.9	856	712	144	344	328	16	28.7
1 to 3 years of college	409	363	88.8	297	258	39	66	58	8	18.2
4 years of college or more	129	119	92.8	104	102	3	15	16	-	12.7
Hispanic origin										
Total, 16 to 24 years	2,027	1,525	75.2	1,259	1,090	170	266	253	13	17.4
16 to 19 years	475	320	67.3	223	173	50	97	87	10	30.3
20 to 24 years	1,552	1,205	77.6	1,036	917	119	169	166	3	14.0
Men	1,116	1,025	91.8	840	754	88	184	173	11	18.0
Women	911	500	54.9	419	338	83	82	80	2	16.3
Less than 4 years of high school	935	632	67.5	483	431	52	149	141	8	23.5
4 years of high school	848	685	80.7	583	485	98	102	100	3	15.0
1 to 3 years of college	188	158	84.0	149	134	15	9	7	2	5.7
4 years of college or more	55	50	(²)	44	40	4	6	6	-	(²)

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

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

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

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

A-8. Employment status of male Vietnam-era veterans and nonveterans by age, not seasonally adjusted

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	Sept. 1985	Sept. 1986	Total		Employed		Unemployed			
			Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Number		Percent of labor force	
							Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986
VIETNAM-ERA VETERANS										
Total, 30 years and over	7,693	7,768	7,214	7,199	6,893	6,877	321	322	4.4	4.5
30 to 44 years	6,517	6,359	6,300	6,086	6,012	5,793	288	293	4.6	4.8
30 to 34 years	1,313	1,102	1,264	1,037	1,195	975	69	62	5.5	6.0
35 to 39 years	3,359	2,971	3,265	2,857	3,110	2,710	155	147	4.7	5.1
40 to 44 years	1,845	2,286	1,771	2,192	1,707	2,108	64	84	3.6	3.8
45 years and over	1,176	1,409	914	1,113	881	1,084	33	29	3.6	2.6
NONVETERANS										
Total, 30 to 44 years	17,429	19,148	16,549	18,176	15,791	17,302	758	874	4.6	4.8
30 to 34 years	8,040	8,935	7,704	8,520	7,325	8,096	379	424	4.9	5.0
35 to 39 years	5,038	6,015	4,762	5,711	4,575	5,441	187	270	3.9	4.7
40 to 44 years	4,351	4,198	4,083	3,945	3,891	3,765	192	180	4.7	4.6

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 30 to 44 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Sex, age, and race	September 1986							
	Employed						Unemployed	
	Full time			Part time			Looking for full-time work	Looking for part-time work
	Total	Full-time schedules ¹	Part time for economic reasons, usually work full time	Total	Voluntary ¹	Part time for economic reasons, usually work part time		
TOTAL								
Total, 16 years and over	91,579	89,871	1,708	18,650	15,113	3,537	6,321	1,695
16 to 19 years	2,183	2,057	126	3,960	3,511	449	642	775
16 to 17 years	253	239	14	2,288	2,212	76	131	484
18 to 19 years	1,929	1,818	111	1,673	1,299	374	511	292
20 years and over	89,396	87,814	1,582	14,690	11,603	3,087	5,678	919
20 to 24 years	10,995	10,690	305	2,678	2,085	593	1,362	291
25 years and over	78,402	77,125	1,277	12,011	9,518	2,493	4,316	628
25 to 54 years	67,266	66,191	1,075	8,721	6,602	2,119	3,899	488
55 years and over	11,136	10,934	202	3,291	2,916	375	417	140
Men, 16 years and over	55,216	54,249	967	6,027	4,624	1,403	3,487	690
16 to 19 years	1,270	1,200	70	1,937	1,737	200	353	393
20 years and over	53,946	53,049	897	4,090	2,887	1,203	3,133	297
20 to 24 years	6,098	5,916	182	1,071	816	255	739	141
25 years and over	47,848	47,133	715	3,019	2,071	948	2,394	156
25 to 54 years	40,760	40,160	600	1,695	891	804	2,126	85
55 years and over	7,088	6,973	115	1,324	1,180	144	268	71
Women, 16 years and over	36,364	35,623	741	12,622	10,489	2,133	2,834	1,005
16 to 19 years	913	857	56	2,022	1,773	249	289	383
20 years and over	35,450	34,765	685	10,600	8,716	1,884	2,545	622
20 to 24 years	4,897	4,773	124	1,607	1,269	338	623	150
25 years and over	30,554	29,992	562	8,993	7,447	1,546	1,922	471
25 to 54 years	26,506	26,031	475	7,027	5,712	1,315	1,773	403
55 years and over	4,047	3,960	87	1,966	1,735	231	149	68
White								
Men, 16 years and over	48,808	48,020	788	5,291	4,190	1,101	2,535	569
16 to 19 years	1,142	1,082	60	1,752	1,592	160	235	316
20 years and over	47,664	46,937	727	3,540	2,599	941	2,301	252
20 to 24 years	5,367	5,216	151	965	751	214	489	110
25 years and over	42,296	41,720	576	2,575	1,847	728	1,811	142
25 to 54 years	35,897	35,417	480	1,375	769	606	1,596	76
55 years and over	6,400	6,304	96	1,200	1,078	122	215	66
Women, 16 years and over	30,829	30,238	591	11,335	9,631	1,704	1,983	789
16 to 19 years	802	756	46	1,839	1,643	196	213	279
20 years and over	30,026	29,481	545	9,497	7,989	1,508	1,770	511
20 to 24 years	4,261	4,170	91	1,400	1,137	263	400	121
25 years and over	25,766	25,312	454	8,096	6,851	1,245	1,370	390
25 to 54 years	22,261	21,881	380	6,346	5,294	1,052	1,253	331
55 years and over	3,505	3,430	75	1,750	1,557	193	117	59
Black								
Men, 16 years and over	4,829	4,688	161	575	317	258	829	99
16 to 19 years	107	97	10	138	106	32	106	67
20 years and over	4,723	4,572	151	437	211	226	723	32
20 to 24 years	585	563	22	80	44	36	221	23
25 years and over	4,135	4,007	128	355	166	189	501	9
25 to 54 years	3,612	3,499	113	265	90	175	459	3
55 years and over	524	508	16	91	76	15	42	6
Women, 16 years and over	4,373	4,243	130	1,008	634	374	758	185
16 to 19 years	81	73	8	153	104	49	74	92
20 years and over	4,292	4,170	122	855	530	325	685	93
20 to 24 years	534	504	30	166	98	68	205	24
25 years and over	3,758	3,666	92	687	431	256	481	69
25 to 54 years	3,333	3,251	82	511	288	223	457	60
55 years and over	426	415	11	176	143	33	24	9

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

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

(Numbers in thousands)

Family relationship	September 1986									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over ¹	96,593	65.9	90,033	6,560	6.8	50,070	23,512	7,922	1,986	16,650
Husbands	39,551	78.6	38,139	1,411	3.6	10,778	144	174	869	9,591
With employed wife	24,472	91.8	23,679	792	3.2	2,186	49	108	315	1,715
With unemployed wife	1,303	93.1	1,145	158	12.1	96	-	6	21	70
With wife not in labor force	13,776	61.9	13,315	461	3.3	8,496	95	60	533	7,806
Wives	28,057	55.7	26,658	1,400	5.0	22,272	18,639	302	294	3,036
With employed husband	24,825	65.1	23,679	1,145	4.6	13,315	12,029	266	102	918
With unemployed husband	951	67.3	792	158	16.7	461	409	13	10	29
With husband not in labor force	2,282	21.2	2,186	96	4.2	8,496	6,201	23	182	2,090
Relatives in married-couple families	13,503	62.9	11,790	1,712	12.7	7,977	835	5,339	283	1,519
16 to 19 years	4,992	51.6	4,184	809	16.2	4,677	138	4,167	11	361
20 to 24 years	5,061	77.2	4,522	539	10.6	1,491	141	1,041	22	287
25 years and over	3,448	65.6	3,084	364	10.6	1,809	556	131	250	871
Women who maintain families	6,461	62.4	5,802	660	10.2	3,893	2,788	182	151	773
Relatives in families maintained by women	5,402	60.1	4,407	995	18.4	3,580	721	1,583	271	1,004
16 to 19 years	1,352	47.4	995	357	26.4	1,500	65	1,260	7	169
20 to 24 years	1,622	74.5	1,319	303	18.7	554	112	251	29	162
25 years and over	2,428	61.4	2,093	335	13.8	1,526	544	72	235	673
Men who maintain families	1,974	77.7	1,821	153	7.7	565	39	29	58	439
Relatives in families maintained by men	1,646	62.1	1,416	230	14.0	1,005	346	313	60	287
16 to 19 years	295	53.9	216	79	26.9	253	12	220	1	19
20 to 24 years	502	76.4	431	71	14.1	155	36	72	4	43
25 years and over	849	58.7	769	80	9.4	597	298	21	55	225

¹ Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband or wife 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	
	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986
Total, 16 years and over	4,023	4,177	6.2	6.4	3,961	3,839	7.7	7.3
Married, spouse present	1,584	1,567	3.9	3.8	1,698	1,537	5.9	5.3
Widowed, divorced, or separated	481	514	7.8	8.1	841	820	8.5	7.9
Single (never married)	1,958	2,095	11.4	12.0	1,422	1,482	11.0	11.1
White, 16 years and over	2,970	3,104	5.3	5.4	2,870	2,772	6.6	6.2
Married, spouse present	1,288	1,306	3.5	3.5	1,417	1,269	5.6	4.9
Widowed, divorced, or separated	355	371	6.9	7.0	562	578	7.2	7.0
Single (never married)	1,327	1,426	9.3	9.8	891	926	8.4	8.6
Black, 16 years and over	916	929	14.6	14.7	964	943	15.7	14.9
Married, spouse present	252	197	8.2	6.4	218	197	9.4	8.5
Widowed, divorced, or separated	111	137	12.4	14.2	255	220	13.6	12.0
Single (never married)	553	595	24.0	25.9	492	527	25.1	24.2
Total, 25 years and over	2,484	2,551	4.7	4.8	2,493	2,393	6.2	5.7
Married, spouse present	1,413	1,422	3.6	3.6	1,370	1,224	5.3	4.6
Widowed, divorced, or separated	439	479	7.4	7.8	755	743	8.0	7.5
Single (never married)	633	650	8.4	8.3	369	426	7.2	7.7
White, 25 years and over	1,875	1,954	4.1	4.2	1,837	1,760	5.4	4.9
Married, spouse present	1,147	1,183	3.3	3.3	1,144	1,017	5.0	4.3
Widowed, divorced, or separated	324	348	6.6	6.9	504	514	6.8	6.5
Single (never married)	404	423	6.6	6.6	188	230	4.7	5.4
Black, 25 years and over	518	511	10.6	10.2	569	549	11.6	11.0
Married, spouse present	224	183	7.7	6.2	168	149	8.1	7.1
Widowed, divorced, or separated	99	129	11.4	13.7	229	212	12.5	11.9
Single (never married)	195	199	17.9	17.6	170	189	17.2	17.1

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-12. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986
Total, 16 years and over	7,984	8,015	6.9	6.8	6.2	6.4	7.7	7.3
Managerial and professional specialty	723	735	2.7	2.7	2.2	2.4	3.3	3.0
Executive, administrative, and managerial	361	386	2.8	2.9	2.3	2.4	3.8	3.8
Professional specialty	363	350	2.5	2.4	2.1	2.4	3.0	2.5
Technical, sales, and administrative support	1,719	1,784	4.9	4.9	3.3	3.8	5.7	5.5
Technicians and related support	114	106	3.3	2.9	2.9	2.5	3.7	3.4
Sales occupations	673	744	5.1	5.3	2.9	3.6	7.3	7.2
Administrative support, including clerical	932	934	5.1	5.0	4.2	5.1	5.3	5.0
Service occupations	1,379	1,360	8.8	8.6	8.3	7.8	9.1	9.1
Private household	67	84	6.5	8.3	(¹)	(¹)	6.6	8.4
Protective service	92	97	5.1	5.5	4.8	4.2	7.0	14.6
Service, except private household and protective	1,220	1,179	9.5	9.1	9.6	9.1	9.5	9.1
Precision production, craft, and repair	961	864	6.7	6.0	6.1	5.8	12.3	7.8
Mechanics and repairers	203	199	4.4	4.3	4.3	4.4	7.8	2.4
Construction trades	458	401	8.7	7.3	8.8	7.2	5.7	13.0
Other precision production, craft, and repair	299	264	6.8	6.0	4.5	5.5	13.6	8.0
Operators, fabricators, and laborers	1,977	1,925	10.4	10.0	9.6	9.7	12.8	11.1
Machine operators, assemblers, and inspectors	915	857	10.5	9.7	8.7	8.8	13.2	11.0
Transportation and material moving occupations	401	325	8.1	6.6	8.1	6.7	8.2	5.8
Handlers, equipment cleaners, helpers, and laborers	661	743	12.5	13.7	12.4	13.7	13.4	13.7
Construction laborers	160	188	16.9	18.4	16.9	18.2	(¹)	(¹)
Other handlers, equipment cleaners, helpers, and laborers	501	555	11.6	12.6	11.2	12.4	13.3	13.3
Farming, forestry, and fishing	257	260	6.7	6.7	5.9	5.9	10.8	10.9
No previous work experience	903	1,023	-	-	-	-	-	-
16 to 19 years	576	665	-	-	-	-	-	-
20 to 24 years	208	230	-	-	-	-	-	-
25 years and over	120	127	-	-	-	-	-	-

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-13. Unemployed persons by industry and sex

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986
Total, 16 years and over	7,984	8,015	6.9	6.8	6.2	6.4	7.7	7.3
Nonagricultural private wage and salary workers	5,999	5,948	6.9	6.7	6.4	6.4	7.6	7.1
Mining	79	109	7.9	11.7	7.6	12.7	9.7	6.6
Construction	655	642	10.9	10.2	11.2	10.3	8.0	9.2
Manufacturing	1,620	1,482	7.4	6.7	5.7	5.8	10.9	8.6
Durable goods	965	818	7.4	6.2	6.2	5.6	10.5	7.8
Lumber and wood products	74	54	10.3	7.0	10.4	7.1	10.0	6.2
Furniture and fixtures	42	49	7.1	7.3	6.3	6.8	9.1	8.5
Stone, clay, and glass products	52	42	8.2	6.1	6.9	4.2	12.4	13.0
Primary metal industries	88	90	9.8	10.9	9.6	10.8	11.9	11.4
Fabricated metal products	112	90	8.8	6.6	6.6	6.2	15.5	8.1
Machinery, except electrical	162	144	6.1	5.7	5.8	5.8	7.0	5.3
Electrical machinery, equipment, and supplies	206	161	8.1	6.8	5.6	4.9	11.8	9.6
Transportation equipment	145	123	5.5	4.5	4.6	4.5	8.9	4.7
Automobiles	95	77	7.3	5.9	6.1	5.3	12.2	8.3
Other transportation equipment	50	46	3.7	3.2	3.0	3.7	5.8	1.3
Professional and photographic equipment	48	32	6.5	4.5	3.8	2.1	11.2	8.3
Other durable goods industries	37	34	8.5	6.5	5.9	4.5	11.1	8.7
Nondurable goods	655	665	7.5	7.5	4.7	6.2	11.2	9.3
Food and kindred products	142	196	7.4	9.9	4.6	8.6	12.3	12.6
Textile mill products	62	49	8.2	6.7	5.1	7.1	11.9	6.2
Apparel and other textile products	162	129	13.0	10.0	7.1	8.7	14.4	10.5
Paper and allied products	25	19	3.4	2.7	2.3	2.2	6.7	4.2
Printing and publishing	104	93	6.1	5.4	4.1	3.4	8.9	8.0
Chemicals and allied products	61	90	5.1	7.0	4.4	5.8	6.5	9.6
Rubber and miscellaneous plastics products	64	59	8.7	7.8	8.0	7.0	9.9	9.0
Other nondurable goods industries	36	31	8.0	8.2	4.4	7.8	12.7	7.3
Transportation and public utilities	324	287	5.2	4.6	5.3	4.3	4.9	5.3
Transportation	251	197	5.8	4.4	6.2	4.6	4.6	4.0
Communications and other public utilities	74	90	2.8	3.3	1.9	2.4	4.1	5.2
Wholesale and retail trade	1,666	1,674	7.6	7.5	6.2	6.4	9.2	8.6
Wholesale trade	202	212	4.8	5.0	4.4	4.8	5.9	5.4
Retail trade	1,465	1,462	8.3	8.1	6.8	7.0	9.6	9.1
Finance, insurance, and real estate	213	276	3.2	3.9	2.9	3.9	3.4	3.9
Service industries	1,441	1,478	6.3	6.3	6.4	6.0	6.2	6.5
Professional services	578	532	4.6	4.1	4.2	3.3	4.7	4.4
Other service industries	863	946	8.4	9.1	8.0	8.0	8.8	10.0
Agricultural wage and salary workers	193	203	11.2	11.4	10.1	10.3	15.0	15.2
Government, self-employed, and unpaid family workers	889	840	3.3	3.1	2.8	3.1	3.9	3.2
No previous work experience	903	1,023	-	-	-	-	-	-

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	
	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986
NUMBER OF UNEMPLOYED												
Total unemployed	7,984	8,015	3,302	3,430	3,328	3,167	1,354	1,418	5,840	5,876	1,880	1,872
Job losers	3,695	3,619	2,182	2,218	1,247	1,182	265	218	2,710	2,649	886	847
On layoff	955	824	570	527	323	264	62	33	759	692	171	111
Other job losers	2,740	2,795	1,612	1,691	924	918	203	185	1,951	1,957	715	736
Job leavers	936	1,135	340	497	479	455	117	183	788	940	111	177
Reentrants	2,450	2,241	679	597	1,375	1,290	397	354	1,757	1,601	597	539
New entrants	903	1,021	101	118	226	240	576	663	585	686	286	308
PERCENT DISTRIBUTION												
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	46.3	45.2	66.1	64.7	37.5	37.4	19.6	15.4	46.4	45.1	47.1	45.3
On layoff	12.0	10.3	17.3	15.4	9.7	8.4	4.6	2.3	13.0	11.8	9.1	6.0
Other job losers	34.3	34.9	48.8	49.3	27.8	29.0	15.0	13.1	33.4	33.3	38.0	39.3
Job leavers	11.7	14.2	10.3	14.5	14.4	14.4	8.7	12.9	13.5	16.0	5.9	9.5
Reentrants	30.7	28.0	20.6	17.4	41.3	40.7	29.3	24.9	30.1	27.2	31.8	28.8
New entrants	11.3	12.7	3.1	3.4	6.8	7.6	42.5	46.8	10.0	11.7	15.2	16.5
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	3.2	3.1	3.6	3.7	2.6	2.4	3.5	2.8	2.7	2.6	7.1	6.7
Job leavers .....	.8	1.0	.6	.8	1.0	.9	1.6	2.4	.8	.9	.9	1.4
Reentrants	2.1	1.9	1.1	1.0	2.9	2.6	5.3	4.7	1.8	1.6	4.8	4.3
New entrants .....	.8	.9	.2	.2	.5	.5	7.7	8.8	.6	.7	2.3	2.4

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Reason, sex, and age	September 1986						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over	8,015	100.0	44.8	29.0	26.2	11.3	14.8
Job losers	3,619	100.0	35.8	28.3	35.9	15.5	20.5
On layoff	824	100.0	51.5	23.4	25.1	11.9	13.2
Other job losers	2,795	100.0	31.1	29.7	39.1	16.5	22.6
Job leavers	1,135	100.0	52.5	29.2	18.3	7.4	10.9
Reentrants	2,241	100.0	53.7	27.6	18.7	8.0	10.7
New entrants	1,021	100.0	49.0	34.3	16.7	8.3	8.3
Men, 20 years and over	3,430	100.0	37.0	28.8	34.2	12.9	21.3
Job losers	2,218	100.0	32.0	28.2	39.9	15.4	24.5
On layoff	527	100.0	48.7	24.3	26.9	11.7	15.2
Other job losers	1,691	100.0	26.7	29.3	43.9	16.6	27.4
Job leavers	497	100.0	48.9	31.4	19.7	6.4	13.3
Reentrants	597	100.0	46.2	29.2	24.7	9.9	14.7
New entrants	118	100.0	36.4	27.5	36.1	8.8	27.3
Women, 20 years and over	3,167	100.0	47.0	28.4	24.6	11.6	13.0
Job losers	1,182	100.0	37.4	29.1	33.5	17.1	16.4
On layoff	264	100.0	52.4	23.1	24.5	13.7	10.9
Other job losers	918	100.0	33.1	30.8	36.1	18.1	18.0
Job leavers	455	100.0	47.8	29.8	22.4	11.6	10.8
Reentrants	1,290	100.0	55.2	25.9	18.9	8.0	10.8
New entrants	240	100.0	48.5	35.8	15.6	3.9	11.8
Both sexes, 16 to 19 years	1,418	100.0	58.9	30.7	10.3	6.8	3.5
Job losers	218	100.0	65.6	25.3	9.1	6.8	2.2
On layoff	33	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Other job losers	185	100.0	61.5	28.1	10.4	7.9	2.4
Job leavers	183	100.0	73.9	21.9	4.2	-	4.2
Reentrants	354	100.0	61.0	31.0	8.0	4.6	3.4
New entrants	663	100.0	51.5	34.9	13.6	9.9	3.7

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

A-16. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986
Total, 16 years and over	7,984	8,015	100.0	100.0	6,303	6,321	100.0	100.0
Less than 5 weeks	3,681	3,594	46.1	44.8	2,515	2,456	39.9	38.9
5 to 14 weeks	2,298	2,323	28.8	29.0	1,928	1,954	30.6	30.9
5 to 10 weeks	1,625	1,675	20.4	20.9	1,351	1,414	21.4	22.4
11 to 14 weeks	673	648	8.4	8.1	576	540	9.1	8.5
15 weeks and over	2,004	2,097	25.1	26.2	1,861	1,911	29.5	30.2
15 to 26 weeks	834	908	10.4	11.3	752	802	11.9	12.7
27 weeks and over	1,171	1,190	14.7	14.8	1,108	1,109	17.6	17.5
27 to 51 weeks	448	474	5.6	5.9	417	444	6.6	7.0
52 weeks and over	722	715	9.0	8.9	691	665	11.0	10.5
Average (mean) duration, in weeks	14.8	15.0	-	-	17.0	17.0	-	-
Median duration, in weeks	6.0	6.3	-	-	7.7	7.8	-	-

**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	
								Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986
	September 1986										
Total, 16 years and over	8,015	3,594	2,323	908	1,190	15.0	6.3	46.1	44.8	25.1	26.2
16 to 19 years	1,418	835	436	96	50	7.4	4.2	61.8	58.9	10.2	10.3
20 to 24 years	1,654	813	463	166	212	12.8	5.2	51.1	49.2	20.2	22.8
25 to 34 years	2,320	964	727	284	346	15.2	7.3	41.9	41.5	26.6	27.1
35 to 44 years	1,326	516	392	169	249	18.2	8.1	41.8	38.9	31.4	31.5
45 to 54 years	741	271	193	104	174	20.8	8.8	36.3	36.5	37.1	37.5
55 to 64 years	465	156	93	79	137	24.6	12.0	32.7	33.5	39.7	46.4
65 years and over	92	40	20	10	22	23.0	6.3	45.7	43.6	27.9	35.2
Men, 16 years and over	4,177	1,688	1,228	497	763	17.5	7.5	41.0	40.4	29.9	30.2
16 to 19 years	746	418	241	54	34	8.3	4.5	59.9	56.0	12.2	11.8
20 to 24 years	880	411	255	82	132	14.0	5.7	44.5	46.7	24.0	24.4
25 to 34 years	1,138	418	360	146	214	18.0	8.6	35.9	36.7	32.9	31.7
35 to 44 years	691	218	218	103	153	21.3	9.9	36.1	31.5	38.5	37.0
45 to 54 years	382	111	95	61	115	25.9	11.7	30.3	29.1	43.1	45.9
55 to 64 years	282	87	51	44	100	27.9	15.7	27.8	30.8	42.2	51.0
65 years and over	57	26	8	7	15	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,839	1,906	1,095	410	427	12.3	5.1	51.3	49.7	20.2	21.8
16 to 19 years	672	418	196	42	16	6.3	4.0	63.9	62.2	7.8	8.7
20 to 24 years	774	402	209	83	80	11.5	4.8	57.5	52.0	16.5	21.1
25 to 34 years	1,182	546	367	138	132	12.6	5.9	47.6	46.2	20.8	22.8
35 to 44 years	635	299	174	67	96	14.8	5.9	47.0	47.0	24.9	25.6
45 to 54 years	359	159	97	43	59	15.4	6.4	43.1	44.4	30.3	28.5
55 to 64 years	182	69	42	34	38	19.4	9.8	39.2	37.8	36.3	39.4
65 years and over	35	14	11	3	7	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	5,876	2,687	1,688	658	843	14.6	6.0	47.9	45.7	23.2	25.5
Men	3,104	1,276	909	363	555	17.3	7.3	42.1	41.1	28.1	29.6
Women	2,772	1,411	779	295	288	11.7	4.9	53.9	50.9	18.2	21.0
Black, 16 years and over	1,872	782	563	213	314	16.6	7.0	38.9	41.8	31.2	28.2
Men	929	351	276	117	184	18.8	8.3	35.5	37.8	36.3	32.5
Women	943	431	287	96	130	14.3	6.0	42.1	45.7	26.4	23.9
Men, 16 years and over:											
Married, spouse present	1,567	504	441	235	386	21.8	10.2	36.0	32.2	34.8	39.7
Widowed, divorced, or separated	514	197	153	55	109	19.8	7.5	31.5	38.3	40.6	31.9
Single (never married)	2,095	987	634	207	268	13.7	5.8	47.4	47.1	23.3	22.7
Women, 16 years and over:											
Married, spouse present	1,537	774	440	170	153	11.3	5.0	51.5	50.4	20.2	21.0
Widowed, divorced, or separated	820	337	220	110	152	17.5	8.0	43.1	41.1	25.3	32.0
Single (never married)	1,482	795	435	130	121	10.3	4.7	55.9	53.7	17.3	17.0

¹ 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	
								Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986
	September 1986							Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986
OCCUPATION											
Managerial and professional specialty	735	305	224	107	99	14.9	7.6	36.7	41.5	30.6	28.0
Technical, sales, and administrative support	1,784	852	510	203	218	13.0	5.5	47.5	47.8	22.6	23.6
Service occupations	1,360	633	372	151	205	15.4	6.1	53.5	46.6	23.0	26.1
Precision production, craft, and repair	864	332	260	89	183	18.2	8.0	43.2	38.4	28.8	31.5
Operators, fabricators, and laborers	1,925	819	499	248	359	17.7	7.0	41.7	42.5	29.5	31.5
Farming, forestry, and fishing	260	123	77	23	37	12.4	5.7	52.1	47.5	16.9	23.0
INDUSTRY¹											
Agriculture	203	101	52	17	33	12.8	5.2	53.0	49.5	16.2	24.8
Construction	670	308	213	55	95	12.9	5.8	44.2	45.9	28.4	22.4
Manufacturing	1,490	543	404	188	355	20.7	8.7	36.9	36.4	32.3	36.4
Durable goods	825	277	207	129	212	22.1	10.1	34.9	33.5	35.3	41.4
Nondurable goods	664	266	197	58	143	19.0	6.7	39.9	40.0	28.0	30.3
Transportation and public utilities	326	145	73	60	49	16.6	6.4	42.4	44.5	28.5	33.3
Wholesale and retail trade	1,681	773	492	199	217	13.9	6.1	51.5	46.0	22.4	24.8
Finance and service industries	2,067	977	594	237	260	13.8	5.9	46.3	47.3	24.7	24.1
Public administration	246	110	69	25	42	16.0	6.0	49.0	44.6	24.9	27.3
No previous work experience	1,023	503	350	85	85	11.1	5.1	52.3	49.1	16.8	16.6

¹ Includes wage and salary workers only.

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

Sex, age, and race	September 1986								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over	8,015	7,053	21.0	7.6	74.8	35.0	17.6	5.0	1.61
16 to 19 years	1,418	1,373	13.3	4.0	80.2	24.7	14.6	4.2	1.41
20 to 24 years	1,654	1,519	22.6	7.8	75.8	35.9	16.8	4.3	1.63
25 to 34 years	2,320	1,985	24.2	8.0	74.3	40.2	17.9	5.1	1.70
35 to 44 years	1,326	1,105	24.0	11.3	71.8	39.9	19.3	6.1	1.72
45 to 54 years	741	609	22.8	9.5	72.6	29.6	18.9	4.8	1.58
55 to 64 years	465	384	16.9	5.7	70.3	38.8	20.6	6.5	1.59
65 years and over	92	78	6.4	1.3	60.3	25.6	32.1	9.0	1.35
Men, 16 years and over	4,177	3,552	24.1	8.3	76.0	33.9	19.8	5.2	1.67
16 to 19 years	746	724	14.8	5.1	81.1	22.4	16.2	3.2	1.43
20 to 24 years	880	782	25.2	7.2	78.1	32.1	18.8	3.6	1.65
25 to 34 years	1,138	914	31.0	9.3	73.5	43.1	21.1	5.9	1.84
35 to 44 years	691	554	28.2	12.6	73.6	39.4	23.1	7.4	1.84
45 to 54 years	382	299	23.7	10.7	73.6	28.8	24.4	6.4	1.68
55 to 64 years	282	226	16.4	6.2	75.2	34.5	14.6	8.4	1.55
65 years and over	57	52	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,839	3,501	17.9	6.9	73.7	36.2	15.3	4.7	1.55
16 to 19 years	672	649	11.6	2.9	79.4	27.1	12.9	5.2	1.39
20 to 24 years	774	737	20.1	8.5	73.4	40.0	14.7	4.9	1.62
25 to 34 years	1,182	1,071	18.4	6.7	74.9	37.7	15.1	4.6	1.57
35 to 44 years	635	551	19.8	10.0	69.9	40.5	15.4	4.7	1.60
45 to 54 years	359	310	21.6	7.4	71.6	30.3	13.5	3.2	1.48
55 to 64 years	182	158	17.7	5.1	63.3	44.9	29.1	3.8	1.64
65 years and over	35	25	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	5,876	5,059	20.4	7.8	75.0	36.8	17.7	4.9	1.63
Men	3,104	2,569	23.7	8.3	75.7	35.5	19.9	5.2	1.68
Women	2,772	2,490	17.1	7.3	74.3	38.2	15.5	4.7	1.57
Black, 16 years and over	1,872	1,756	23.6	6.7	74.8	30.9	17.3	4.6	1.58
Men	929	852	26.6	8.0	77.2	30.4	20.0	5.2	1.67
Women	943	904	20.7	5.4	72.6	31.4	14.8	4.1	1.49

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

NOTE: The jobseeker total is less than the total unemployed because it does not include persons on layoff or waiting to begin a new job within

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

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

Sex and reason	September 1986								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over	8,015	7,053	21.0	7.6	74.8	35.0	17.6	5.0	1.61
Job losers ¹	3,619	2,798	26.1	8.6	75.9	36.6	21.0	4.8	1.73
Job leavers	1,135	1,140	19.2	9.6	75.6	38.4	16.1	3.2	1.62
Reentrants	2,241	2,100	15.9	5.9	71.1	35.0	14.4	7.1	1.49
New entrants	1,021	1,015	19.5	6.4	78.7	26.9	16.7	3.2	1.51
Men, 16 years and over	4,177	3,552	24.1	8.3	76.0	33.9	19.8	5.2	1.67
Job losers ¹	2,351	1,810	28.6	8.5	75.7	36.6	21.4	5.0	1.76
Job leavers	603	602	21.6	10.3	76.7	34.9	17.1	4.0	1.65
Reentrants	767	685	16.2	7.3	72.1	30.1	18.7	9.5	1.54
New entrants	456	455	21.1	6.8	81.5	27.5	19.1	1.5	1.58
Women, 16 years and over	3,839	3,501	17.9	6.9	73.7	36.2	15.3	4.7	1.55
Job losers ¹	1,268	989	21.5	8.7	76.2	36.6	20.2	4.2	1.68
Job leavers	532	538	16.4	8.9	74.3	42.4	15.1	2.4	1.59
Reentrants	1,474	1,415	15.7	5.2	70.5	37.3	12.2	5.9	1.47
New entrants	565	559	18.2	5.9	76.6	26.7	15.0	4.7	1.47

¹ Data on the number of jobseekers and the jobsearch methods used exclude persons on layoff.

NOTE: The jobseeker total is less than the total unemployed because it does not include persons on layoff or waiting to begin a new job within

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry and age	Total		Men		Women	
	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986
All industries	107,867	110,229	60,397	61,243	47,470	48,986
16 to 19 years	6,092	6,143	3,134	3,207	2,958	2,936
16 to 17 years	2,339	2,542	1,210	1,337	1,129	1,204
18 to 19 years	3,753	3,601	1,924	1,870	1,829	1,732
20 to 24 years	13,964	13,673	7,362	7,170	6,603	6,504
25 to 54 years	73,397	75,987	41,327	42,454	32,070	33,533
25 to 34 years	31,783	32,605	17,854	18,345	13,928	14,261
35 to 44 years	25,043	26,330	14,015	14,505	11,028	11,825
45 to 54 years	16,572	17,052	9,458	9,605	7,114	7,447
55 to 64 years	11,512	11,452	6,779	6,663	4,732	4,789
55 to 59 years	6,993	6,951	4,111	4,030	2,882	2,921
60 to 64 years	4,519	4,501	2,668	2,633	1,850	1,868
65 years and over	2,901	2,974	1,794	1,749	1,107	1,225
Agriculture	3,174	3,266	2,528	2,586	646	680
16 to 19 years	297	246	248	211	49	34
16 to 17 years	140	126	115	102	25	24
18 to 19 years	157	120	133	109	24	11
20 to 24 years	421	393	352	330	69	63
25 to 54 years	1,712	1,852	1,319	1,398	392	454
25 to 34 years	716	787	562	622	154	164
35 to 44 years	545	580	423	426	122	153
45 to 54 years	450	486	334	350	116	136
55 to 64 years	473	485	386	392	87	93
55 to 59 years	244	269	195	208	49	61
60 to 64 years	229	216	191	184	38	32
65 years and over	272	290	224	254	48	36
Nonagricultural industries	104,692	106,963	57,868	58,657	46,824	48,306
16 to 19 years	5,795	5,897	2,886	2,996	2,909	2,902
16 to 17 years	2,199	2,416	1,095	1,235	1,104	1,180
18 to 19 years	3,596	3,481	1,791	1,760	1,805	1,721
20 to 24 years	13,543	13,280	7,010	6,839	6,533	6,441
25 to 54 years	71,886	74,135	40,008	41,056	31,877	33,079
25 to 34 years	31,066	31,819	17,292	17,722	13,774	14,096
35 to 44 years	24,498	25,750	13,592	14,079	10,906	11,672
45 to 54 years	16,122	16,566	9,124	9,255	6,998	7,311
55 to 64 years	11,039	10,967	6,394	6,271	4,645	4,696
55 to 59 years	6,749	6,682	3,916	3,822	2,833	2,860
60 to 64 years	4,290	4,285	2,478	2,449	1,812	1,836
65 years and over	2,629	2,684	1,570	1,495	1,059	1,189

**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	
	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986
Total	107,867	110,229	60,397	61,243	57,263	58,036	47,470	48,986	44,512	46,051
Managerial and professional specialty	26,255	26,903	15,151	15,226	15,051	15,165	11,104	11,676	11,004	11,577
Executive, administrative, and managerial	12,342	12,888	7,988	8,151	7,953	8,130	4,353	4,737	4,313	4,695
Officials and administrators, public administration	537	550	338	314	336	313	199	237	199	236
Other executive, administrative, and managerial	8,537	8,959	5,849	6,025	5,817	6,007	2,687	2,934	2,656	2,899
Management-related occupations	3,268	3,379	1,801	1,813	1,800	1,809	1,467	1,566	1,458	1,559
Professional specialty	13,913	14,014	7,163	7,075	7,098	7,036	6,751	6,939	6,691	6,882
Engineers	1,674	1,784	1,571	1,666	1,569	1,664	104	118	104	117
Mathematical and computer scientists	611	616	420	380	417	379	191	236	191	232
Natural scientists	428	407	342	304	340	304	86	103	86	103
Health diagnosing occupations	681	721	571	618	571	618	110	103	110	104
Health assessment and treating occupations	2,040	2,026	313	278	309	278	1,727	1,748	1,722	1,747
Teachers, college and university	646	629	416	380	413	380	230	249	223	245
Teachers, except college and university	3,637	3,541	994	972	983	966	2,643	2,569	2,618	2,549
Lawyers and judges	669	644	553	538	553	535	116	106	116	106
Other professional specialty occupations	3,527	3,646	1,983	1,939	1,942	1,911	1,545	1,707	1,522	1,680
Technical, sales, and administrative support	33,430	34,414	11,715	12,053	11,198	11,484	21,715	22,361	20,140	20,816
Technicians and related support	3,364	3,532	1,780	1,909	1,757	1,870	1,584	1,624	1,561	1,607
Health technologists and technicians	1,148	1,166	196	194	193	191	952	972	946	962
Engineering and science technicians	1,158	1,182	935	963	916	942	223	219	216	216
Technicians, except health, engineering, and science	1,058	1,185	650	752	649	738	408	432	398	429
Sales occupations	12,649	13,171	6,554	6,791	6,223	6,420	6,095	6,380	5,228	5,469
Supervisors and proprietors	3,328	3,448	2,314	2,412	2,288	2,378	1,014	1,036	996	1,014
Sales representatives, finance and business services	2,169	2,275	1,267	1,342	1,257	1,326	902	933	879	908
Sales representatives, commodities, except retail	1,466	1,499	1,226	1,199	1,212	1,187	240	300	235	290
Sales workers, retail and personal services	5,629	5,903	1,732	1,823	1,450	1,515	3,898	4,080	3,080	3,228
Sales-related occupations	57	45	16	15	16	14	41	31	38	29
Administrative support, including clerical	17,417	17,711	3,381	3,353	3,217	3,194	14,036	14,358	13,351	13,739
Supervisors	743	713	327	291	327	291	422	422	415	420
Computer equipment operators	765	801	232	245	222	236	533	556	507	529
Secretaries, stenographers, and typists	5,102	5,124	122	79	119	75	4,980	5,045	4,757	4,837
Financial records processing	2,500	2,398	208	185	202	176	2,292	2,212	2,230	2,169
Mail and message distributing	796	931	553	638	524	613	243	292	224	287
Other administrative support, including clerical	7,511	7,745	1,939	1,914	1,823	1,802	5,572	5,831	5,217	5,496
Service occupations	14,286	14,426	5,673	5,533	4,865	4,647	8,614	8,893	7,615	7,845
Private household	966	933	41	22	26	22	925	911	773	735
Protective service	1,712	1,678	1,480	1,487	1,457	1,456	233	191	213	181
Service, except private household and protective	11,608	11,816	4,152	4,024	3,382	3,169	7,456	7,791	6,630	6,928
Food service	4,958	5,033	1,905	1,847	1,362	1,224	3,053	3,186	2,457	2,558
Health service	1,717	1,856	181	159	166	154	1,536	1,697	1,450	1,615
Cleaning and building service	2,813	2,831	1,659	1,610	1,502	1,429	1,154	1,221	1,095	1,163
Personal service	2,120	2,096	407	408	352	362	1,713	1,687	1,628	1,591
Precision production, craft, and repair	13,372	13,589	12,169	12,460	11,846	12,113	1,202	1,129	1,172	1,100
Mechanics and repairers	4,451	4,405	4,305	4,277	4,179	4,157	146	128	144	124
Construction trades	4,809	5,078	4,701	4,990	4,565	4,829	108	88	103	86
Other precision production, craft, and repair	4,112	4,106	3,163	3,193	3,102	3,126	949	913	925	890
Operators, fabricators, and laborers	16,953	17,285	12,697	12,932	11,653	11,882	4,256	4,353	4,065	4,177
Machine operators, assemblers, and inspectors	7,773	7,992	4,697	4,791	4,517	4,607	3,076	3,200	2,970	3,100
Manufacturing industries	6,512	6,744	3,872	4,012	3,725	3,872	2,640	2,732	2,568	2,651
Durable goods	3,519	3,736	2,469	2,600	2,382	2,525	1,050	1,137	1,023	1,109
Nondurable goods	2,993	3,007	1,403	1,412	1,343	1,348	1,590	1,595	1,545	1,542
Nonmanufacturing industries	1,260	1,248	825	779	792	735	436	469	402	449
Transportation and material moving occupations	4,568	4,599	4,211	4,217	4,082	4,097	358	382	355	369
Motor vehicle operators	3,265	3,420	2,954	3,077	2,839	2,985	311	343	309	333
Other transportation and material moving occupations	1,304	1,179	1,257	1,139	1,243	1,112	47	39	47	35
Handlers, equipment cleaners, helpers, and laborers	4,612	4,694	3,789	3,924	3,053	3,178	822	770	739	709
Construction laborers	788	835	754	816	665	740	34	19	30	20
Other handlers, equipment cleaners, helpers, and laborers	3,824	3,859	3,036	3,108	2,388	2,437	788	751	709	689
Farming, forestry, and fishing	3,571	3,613	2,992	3,038	2,651	2,744	579	574	516	536
Farm operators and managers	1,338	1,385	1,161	1,180	1,136	1,171	177	205	174	204
Other farming, forestry, and fishing occupations	2,234	2,228	1,831	1,859	1,515	1,574	402	369	341	331

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986
TOTAL						
Total, 16 years and over (thousands)	107,867	110,229	60,397	61,243	47,470	48,986
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	24.3	24.4	25.1	24.9	23.4	23.8
Executive, administrative, and managerial	11.4	11.7	13.2	13.3	9.2	9.7
Professional specialty	12.9	12.7	11.9	11.6	14.2	14.2
Technical, sales, and administrative support	31.0	31.2	19.4	19.7	45.7	45.6
Technicians and related support	3.1	3.2	2.9	3.1	3.3	3.3
Sales occupations	11.7	11.9	10.9	11.1	12.8	13.0
Administrative support, including clerical	16.1	16.1	5.6	5.5	29.6	29.3
Service occupations	13.2	13.1	9.4	9.0	18.1	18.2
Private household .....	.9	.8	.1	(¹)	1.9	1.9
Protective service	1.6	1.5	2.5	2.4	.5	.4
Service, except private household and protective	10.8	10.7	6.9	6.6	15.7	15.9
Precision production, craft, and repair	12.4	12.3	20.1	20.3	2.5	2.3
Operators, fabricators, and laborers	15.7	15.7	21.0	21.1	9.0	8.9
Machine operators, assemblers, and inspectors	7.2	7.3	7.8	7.8	6.5	6.5
Transportation and material moving occupations	4.2	4.2	7.0	6.9	.8	.8
Handlers, equipment cleaners, helpers, and laborers	4.3	4.3	6.3	6.4	1.7	1.6
Farming, forestry, and fishing	3.3	3.3	5.0	5.0	1.2	1.2
White						
Total, 16 years and over (thousands)	94,393	96,262	53,462	54,099	40,931	42,164
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	25.3	25.4	26.1	25.9	24.3	24.8
Executive, administrative, and managerial	12.1	12.4	13.8	14.1	9.7	10.2
Professional specialty	13.3	13.0	12.3	11.8	14.6	14.6
Technical, sales, and administrative support	31.5	31.8	19.7	20.1	46.9	46.8
Technicians and related support	3.1	3.2	2.9	3.2	3.3	3.3
Sales occupations	12.4	12.6	11.5	11.8	13.5	13.8
Administrative support, including clerical	16.0	15.9	5.2	5.2	30.1	29.7
Service occupations	12.1	11.9	8.5	8.1	16.8	16.8
Private household .....	.7	.7	(¹)	(¹)	1.5	1.5
Protective service	1.5	1.4	2.4	2.3	.5	.3
Service, except private household and protective	9.8	9.8	6.1	5.8	14.8	14.9
Precision production, craft, and repair	12.8	12.7	20.8	20.9	2.4	2.3
Operators, fabricators, and laborers	14.9	14.8	20.0	19.9	8.3	8.2
Machine operators, assemblers, and inspectors	6.8	6.8	7.4	7.5	5.9	5.9
Transportation and material moving occupations	4.2	4.0	6.8	6.5	.8	.8
Handlers, equipment cleaners, helpers, and laborers	4.0	4.0	5.7	5.9	1.6	1.5
Farming, forestry, and fishing	3.4	3.4	5.0	5.1	1.3	1.3
Black						
Total, 16 years and over (thousands)	10,533	10,785	5,345	5,404	5,188	5,381
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	14.3	14.9	13.0	13.1	15.6	16.6
Executive, administrative, and managerial	5.9	5.9	6.9	5.8	4.9	5.9
Professional specialty	8.4	9.0	6.2	7.3	10.7	10.7
Technical, sales, and administrative support	26.5	26.4	15.5	14.8	37.8	38.1
Technicians and related support	2.7	2.5	2.2	2.0	3.2	2.9
Sales occupations	6.4	6.4	4.8	5.0	8.0	7.9
Administrative support, including clerical	17.4	17.5	8.5	7.8	26.6	27.2
Service occupations	23.2	23.0	17.5	17.0	29.0	29.0
Private household	2.7	2.2	.2	.1	5.3	4.2
Protective service	2.2	2.4	3.5	3.9	.8	.9
Service, except private household and protective	18.3	18.4	13.8	13.0	22.9	23.9
Precision production, craft, and repair	9.3	9.2	15.6	15.9	2.9	2.4
Operators, fabricators, and laborers	23.8	24.1	33.2	34.9	14.1	13.4
Machine operators, assemblers, and inspectors	11.1	10.8	11.5	11.5	10.8	10.2
Transportation and material moving occupations	5.2	6.1	9.5	11.4	.7	.9
Handlers, equipment cleaners, helpers, and laborers	7.5	7.2	12.2	12.0	2.6	2.4
Farming, forestry, and fishing	3.0	2.4	5.2	4.2	.6	.5

¹ Less than 0.05 percent.

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

(In thousands)

Age and sex	September 1986								
	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	98,714	1,235	16,274	81,205	7,975	275	1,585	1,525	155
16 to 19 years	5,821	282	252	5,307	56	20	203	19	24
16 to 17 years	2,382	144	61	2,177	27	7	101	10	14
18 to 19 years	3,439	118	191	3,130	30	13	102	9	9
20 to 24 years	12,999	106	1,107	11,786	269	13	312	66	15
25 to 34 years	29,764	201	4,283	25,279	1,997	58	457	302	28
35 to 44 years	23,383	185	4,975	18,222	2,303	65	277	287	16
45 to 54 years	14,947	209	3,208	11,529	1,559	60	164	288	34
55 to 64 years	9,712	140	2,100	7,473	1,219	37	117	347	21
55 to 59 years	5,923	70	1,298	4,555	736	23	80	176	12
60 to 64 years	3,789	70	801	2,918	483	13	37	171	9
65 years and over	2,090	132	348	1,610	572	23	56	215	19
Men, 16 years and over	53,332	218	7,620	45,494	5,284	41	1,253	1,279	53
16 to 19 years	2,951	81	93	2,777	38	6	175	18	19
16 to 17 years	1,217	50	21	1,146	17	1	83	9	10
18 to 19 years	1,734	31	73	1,631	21	5	92	9	8
20 to 24 years	6,663	22	479	6,163	168	7	260	60	10
25 to 34 years	18,427	26	2,010	14,391	1,290	6	359	258	5
35 to 44 years	12,602	24	2,321	10,257	1,477	-	187	235	4
45 to 54 years	8,172	23	1,577	6,572	1,076	6	125	224	-
55 to 64 years	5,426	20	987	4,418	838	7	100	291	-
55 to 59 years	3,313	5	622	2,687	506	3	69	139	-
60 to 64 years	2,113	16	366	1,731	333	4	31	152	-
65 years and over	1,090	21	153	916	397	8	47	192	15
Women, 16 years and over	45,382	1,017	8,653	35,711	2,691	234	332	246	102
16 to 19 years	2,869	181	159	2,530	19	14	28	1	5
16 to 17 years	1,164	93	41	1,030	10	6	18	2	4
18 to 19 years	1,705	88	118	1,499	9	7	10	-	1
20 to 24 years	6,336	84	629	5,623	100	5	52	6	5
25 to 34 years	13,337	175	2,274	10,888	708	52	98	44	22
35 to 44 years	10,780	161	2,654	7,965	826	65	90	52	11
45 to 54 years	6,774	186	1,631	4,957	483	54	39	63	34
55 to 64 years	4,286	119	1,112	3,055	380	29	17	56	21
55 to 59 years	2,610	65	677	1,868	230	20	11	37	12
60 to 64 years	1,676	54	436	1,187	150	9	5	18	9
65 years and over	1,000	111	195	693	175	14	9	23	4

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-25. Employed civilians by industry and occupation

(In thousands)

Industry	September 1986												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service ¹		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture	3,266	72	61	25	18	108	-	15	50	13	56	15	2,833
Mining	842	138	109	47	14	112	-	10	239	20	126	28	-
Construction	7,555	885	130	74	81	447	-	33	4,347	86	509	950	13
Manufacturing	21,079	2,297	1,745	763	756	2,439	-	371	3,984	6,744	757	1,128	96
Durable goods	12,706	1,416	1,218	572	295	1,416	-	189	2,836	3,736	394	546	87
Nondurable goods	8,373	881	527	191	461	1,023	-	181	1,148	3,007	362	581	9
Transportation and public utilities	7,816	885	466	302	319	2,103	-	198	1,254	98	1,704	471	15
Wholesale and retail trade	22,683	1,878	437	102	9,391	2,297	-	4,138	1,517	270	891	1,726	36
Wholesale trade	4,383	515	89	44	1,678	796	-	38	303	109	442	358	12
Retail trade	18,300	1,363	349	58	7,713	1,501	-	4,100	1,214	161	450	1,368	24
Finance, insurance, and real estate	7,510	1,827	166	135	1,769	3,101	-	249	165	13	7	23	54
Services	34,432	3,810	10,217	1,850	804	5,693	933	7,308	1,795	716	477	313	515
Private households	1,238	5	11	7	-	10	933	74	12	2	7	15	163
Other service industries	33,194	3,806	10,207	1,843	804	5,683	-	7,234	1,782	714	470	299	352
Professional services	22,247	2,106	9,191	1,518	176	4,142	-	4,109	369	176	264	99	98
Public administration	5,047	1,097	682	235	18	1,411	-	1,170	239	32	72	39	52

¹ Includes protective service, not shown separately.

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

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	Sept. 1985	Sept. 1986	Total		Wage and salary workers ¹			
			Sept. 1985	Sept. 1986	Paid absences		Unpaid absences	
					Sept. 1985	Sept. 1986	Sept. 1985	Sept. 1986
Total, 16 years and over	4,937	4,742	4,831	4,669	2,612	2,425	1,712	1,750
Vacation	2,589	2,500	2,564	2,472	1,865	1,785	469	456
Illness	1,320	1,166	1,287	1,138	519	393	672	644
Bad weather	34	33	15	31	(²)	(²)	(²)	(²)
Industrial dispute	67	85	67	85	(²)	(²)	(²)	(²)
All other reasons	927	958	898	943	228	248	571	650
Men, 16 years and over	2,533	2,443	2,442	2,384	1,368	1,302	781	817
Vacation	1,357	1,332	1,337	1,308	1,006	1,011	199	179
Illness	730	627	701	605	275	199	371	356
All other reasons ³	447	484	403	470	87	92	210	282
Women, 16 years and over	2,403	2,299	2,389	2,285	1,245	1,122	929	935
Vacation	1,232	1,168	1,227	1,163	860	773	269	278
Illness	590	538	586	533	245	194	300	288
All other reasons ³	582	592	577	587	141	155	360	368

¹ Excludes private household workers.

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

³ Includes bad weather and industrial dispute, not shown separately.
NOTE: Estimates for "all other reasons" by pay status may be biased because of high response variance; data should be used with caution.

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

Hours of work	September 1986					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	105,488	3,193	102,295	100.0	100.0	100.0
1 to 34 hours	23,789	902	22,886	22.6	28.3	22.4
1 to 4 hours	776	52	723	.7	1.6	.7
5 to 14 hours	4,399	237	4,162	4.2	7.4	4.1
15 to 29 hours	11,832	408	11,424	11.2	12.8	11.2
30 to 34 hours	6,782	205	6,577	6.4	6.4	6.4
35 hours and over	81,700	2,290	79,410	77.4	71.7	77.6
35 to 39 hours	7,235	171	7,064	6.9	5.4	6.9
40 hours	43,289	612	42,677	41.0	19.2	41.7
41 hours and over	31,176	1,507	29,669	29.6	47.2	29.0
41 to 48 hours	11,319	240	11,079	10.7	7.5	10.8
49 to 59 hours	11,322	370	10,952	10.7	11.6	10.7
60 hours and over	8,535	897	7,638	8.1	28.1	7.5
Average hours, total at work	39.5	44.7	39.3	-	-	-
Average hours, workers on full-time schedules	43.9	52.5	43.6	-	-	-

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	September 1986					
	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	23,789	6,143	17,646	22,886	5,877	17,009
Economic reasons	5,245	1,708	3,537	4,991	1,625	3,366
Slack work	2,319	1,356	963	2,162	1,281	881
Material shortages or repairs to plant and equipment	54	54	-	54	54	-
New job started during week	218	218	-	211	211	-
Job terminated during week	81	81	-	80	80	-
Could find only part-time work	2,573	-	2,573	2,484	-	2,484
Other reasons	18,545	4,436	14,109	17,895	4,252	13,643
Does not want, or unavailable for, full-time work	11,699	-	11,699	11,344	-	11,344
Vacation	1,248	1,248	-	1,227	1,227	-
Illness	1,513	1,353	160	1,483	1,336	147
Bad weather	309	309	-	234	234	-
Industrial dispute	3	3	-	3	3	-
Legal or religious holiday	61	61	-	60	60	-
Full time for this job	1,670	-	1,670	1,613	-	1,613
All other reasons	2,043	1,462	581	1,933	1,393	540
Average hours:						
Economic reasons	22.0	24.4	20.8	22.1	24.5	21.0
Other reasons	20.9	26.3	19.2	21.0	26.3	19.3
Worked 30 to 34 hours:						
Economic reasons	1,708	795	913	1,661	768	893
Other reasons	5,074	2,395	2,679	4,916	2,310	2,606

**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	September 1986								
	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	102,295	4,991	13,643	83,661	53,992	11,079	18,590	39.3	43.6
Wage and salary workers	94,490	4,414	12,348	77,728	51,394	10,471	15,863	39.2	43.3
Mining	774	30	11	733	381	123	229	45.1	46.4
Construction	5,958	380	248	5,330	3,533	664	1,133	40.8	43.1
Manufacturing	19,802	541	633	18,628	12,216	2,967	3,445	41.9	43.1
Durable goods	11,914	177	277	11,460	7,464	1,831	2,165	42.5	43.3
Nondurable goods	7,887	363	357	7,167	4,751	1,136	1,280	40.9	42.9
Transportation and public utilities	7,042	199	370	6,473	4,188	933	1,352	41.9	43.7
Wholesale and retail trade	19,933	1,390	4,734	13,809	8,263	2,129	3,417	36.9	44.0
Finance, insurance, and real estate	6,603	148	545	5,910	4,160	715	1,035	40.0	42.2
Service industries	29,557	1,654	5,548	22,355	15,351	2,481	4,523	37.3	43.1
Private households	1,189	229	546	414	257	59	98	24.5	45.2
All other industries	28,368	1,425	5,002	21,941	15,094	2,422	4,425	37.8	43.1
Public administration	4,822	72	259	4,491	3,305	460	726	41.1	42.6
Self-employed workers	7,530	565	1,187	5,778	2,506	593	2,679	41.6	48.7
Unpaid family workers	275	11	107	157	95	15	47	35.8	47.1

**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	September 1986							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Total, 16 years and over	102,295	4,991	13,643	83,661	53,992	29,669	39.3	43.6
16 to 19 years	5,762	553	3,294	1,915	1,470	445	25.0	40.5
16 to 17 years	2,356	74	2,060	222	187	35	17.6	36.6
18 to 19 years	3,406	478	1,234	1,694	1,283	411	30.1	41.1
20 years and over	96,533	4,439	10,348	81,746	52,525	29,221	40.2	43.7
20 to 24 years	12,874	856	1,974	10,044	6,982	3,062	37.6	42.4
25 years and over	83,659	3,583	8,374	71,702	45,541	26,161	40.6	43.9
25 to 44 years	55,252	2,377	4,692	48,183	29,863	18,320	41.2	44.1
45 to 64 years	25,926	1,084	2,501	22,341	14,850	7,491	40.3	43.4
65 years and over	2,481	122	1,181	1,178	829	349	29.2	42.3
Men, 16 years and over	56,273	2,158	4,069	50,046	28,800	21,246	42.3	45.1
16 to 19 years	2,923	248	1,588	1,087	816	271	26.1	40.8
16 to 17 years	1,206	41	1,028	137	117	20	18.1	36.5
18 to 19 years	1,717	207	560	950	699	251	31.7	41.5
20 years and over	53,350	1,910	2,481	48,959	27,983	20,976	43.2	45.2
20 to 24 years	6,672	402	769	5,501	3,474	2,027	39.6	43.7
25 years and over	46,678	1,507	1,712	43,459	24,509	18,950	43.7	45.4
25 to 44 years	30,663	1,007	626	29,030	15,755	13,275	44.5	45.8
45 to 64 years	14,627	449	468	13,710	8,287	5,423	43.2	44.7
65 years and over	1,388	51	618	719	468	251	30.8	43.2
Women, 16 years and over	46,022	2,833	9,574	33,615	25,193	8,422	35.7	41.4
16 to 19 years	2,839	304	1,706	829	654	175	23.9	40.2
16 to 17 years	1,150	32	1,032	86	72	14	17.1	36.9
18 to 19 years	1,689	271	674	744	583	161	28.5	40.5
20 years and over	43,182	2,529	7,867	32,786	24,538	8,248	36.5	41.5
20 to 24 years	6,202	454	1,205	4,543	3,507	1,036	35.5	40.9
25 years and over	36,981	2,075	6,662	28,244	21,033	7,211	36.7	41.5
25 to 44 years	24,590	1,369	4,066	19,155	14,110	5,045	37.2	41.7
45 to 64 years	11,299	635	2,033	8,631	6,563	2,068	36.5	41.4
65 years and over	1,092	72	563	457	359	98	27.1	40.9
RACE								
White, 16 years and over	89,155	3,990	12,499	72,666	45,395	27,271	39.5	43.9
Men	49,567	1,727	3,674	44,166	24,469	19,697	42.6	45.4
Women	39,587	2,263	8,824	28,500	20,924	7,576	35.5	41.6
Black, 16 years and over	10,111	875	829	8,407	6,727	1,680	38.0	41.4
Men	5,048	381	287	4,380	3,319	1,061	39.4	42.2
Women	5,064	494	542	4,028	3,408	620	36.5	40.5
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	36,695	919	1,223	34,553	18,988	15,565	44.2	45.6
Widowed, divorced, or separated	5,380	295	237	4,848	2,767	2,081	42.9	45.3
Single (never married)	14,197	945	2,610	10,642	7,042	3,600	37.2	43.4
Women, 16 years and over:								
Married, spouse present	25,614	1,397	5,779	18,438	14,101	4,337	35.4	41.2
Widowed, divorced, or separated	9,114	660	971	7,483	5,435	2,048	38.3	42.0
Single (never married)	11,294	776	2,824	7,694	5,657	2,037	34.3	41.6

**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	September 1986								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over ¹	101,969	4,925	13,547	83,498	53,842	11,058	18,598	39.4	43.6
Managerial and professional specialty	25,786	460	2,206	23,120	12,967	2,955	7,199	42.6	45.3
Executive, administrative, and managerial	12,389	157	591	11,641	6,075	1,514	4,051	44.4	46.0
Professional specialty	13,397	303	1,615	11,480	6,892	1,441	3,148	40.9	44.5
Technical, sales, and administrative support	32,986	1,287	5,716	25,984	18,037	3,337	4,609	37.8	42.6
Technicians and related support	3,362	67	368	2,926	2,040	427	460	39.8	42.5
Sales occupations	12,667	691	2,725	9,252	4,903	1,342	3,007	38.7	45.5
Administrative support, including clerical	16,957	529	2,623	13,806	11,094	1,569	1,142	36.8	40.6
Service occupations	13,787	1,498	3,810	8,479	6,037	911	1,531	34.0	43.0
Private household	898	166	408	325	208	45	72	24.8	44.0
Protective service	1,593	56	133	1,404	797	222	385	43.4	46.6
Service, except private household and protective	11,295	1,277	3,269	6,749	5,032	644	1,074	33.4	42.2
Precision production, craft, and repair	13,012	600	441	11,971	7,486	1,853	2,632	42.0	43.8
Operators, fabricators, and laborers	16,399	1,081	1,374	13,944	9,315	2,002	2,627	39.9	43.2
Machine operators, assemblers, and inspectors	7,606	362	279	6,965	4,990	1,053	923	40.5	42.1
Transportation and material moving occupations	4,309	247	370	3,692	1,946	527	1,219	42.8	46.4
Handlers, equipment cleaners, helpers, and laborers	4,483	472	724	3,287	2,380	423	485	36.3	42.0
Men, 16 years and over ¹	55,844	2,090	3,934	49,820	28,596	6,958	14,266	42.4	45.1
Managerial and professional specialty	14,711	194	628	13,889	6,859	1,696	5,334	45.3	46.9
Executive, administrative, and managerial	7,883	91	212	7,580	3,485	917	3,178	46.3	47.4
Professional specialty	6,828	103	416	6,309	3,374	779	2,156	44.1	46.3
Technical, sales, and administrative support	11,592	249	1,025	10,317	5,621	1,506	3,190	42.6	45.4
Technicians and related support	1,823	17	102	1,704	1,138	242	325	41.5	43.1
Sales occupations	6,560	155	654	5,751	2,484	860	2,407	44.2	47.6
Administrative support, including clerical	3,209	77	269	2,862	2,000	404	458	39.8	42.4
Service occupations	5,315	382	1,023	3,910	2,574	463	873	37.9	44.4
Private household	22	4	5	13	9	1	3	(²)	(²)
Protective service	1,413	40	92	1,281	703	207	370	44.5	47.0
Service, except private household and protective	3,880	338	926	2,617	1,862	255	500	35.5	43.2
Precision production, craft, and repair	11,949	545	333	11,071	6,805	1,728	2,538	42.4	44.0
Operators, fabricators, and laborers	12,278	720	925	10,633	6,736	1,564	2,332	40.9	44.0
Machine operators, assemblers, and inspectors	4,563	148	97	4,319	2,915	694	710	41.9	43.0
Transportation and material moving occupations	3,956	209	229	3,518	1,817	514	1,186	43.8	46.6
Handlers, equipment cleaners, helpers, and laborers	3,759	363	599	2,796	2,004	356	436	36.6	42.2
Women, 16 years and over ¹	46,126	2,835	9,613	33,678	25,246	4,100	4,331	35.7	41.4
Managerial and professional specialty	11,076	266	1,579	9,231	6,108	1,259	1,865	39.0	42.8
Executive, administrative, and managerial	4,507	66	379	4,061	2,590	597	873	41.1	43.3
Professional specialty	6,569	199	1,199	5,171	3,518	661	992	37.5	42.4
Technical, sales, and administrative support	21,394	1,038	4,690	15,666	12,415	1,831	1,419	35.3	40.7
Technicians and related support	1,539	50	266	1,222	902	185	135	37.7	41.6
Sales occupations	6,107	536	2,071	3,500	2,419	481	600	32.8	42.2
Administrative support, including clerical	13,748	452	2,353	10,943	9,095	1,165	684	36.1	40.1
Service occupations	8,472	1,116	2,788	4,568	3,463	448	658	31.5	41.8
Private household	876	162	402	312	199	44	70	24.7	44.1
Protective service	181	15	42	123	94	15	14	34.4	42.0
Service, except private household and protective	7,415	939	2,344	4,133	3,170	389	574	32.3	41.6
Precision production, craft, and repair	1,063	55	108	900	681	125	94	38.1	41.3
Operators, fabricators, and laborers	4,121	361	449	3,311	2,579	438	295	37.1	40.8
Machine operators, assemblers, and inspectors	3,043	214	183	2,646	2,074	358	213	38.4	40.7
Transportation and material moving occupations	353	38	141	174	128	13	33	31.3	42.0
Handlers, equipment cleaners, helpers, and laborers	725	108	125	491	376	67	48	34.7	40.7

¹ Excludes farming, forestry, and fishing occupations.

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and sex	1985				1986								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
TOTAL													
Noninstitutional population ¹	180,304	180,470	180,642	180,810	181,361	181,512	181,678	181,843	181,998	182,183	182,354	182,525	182,713
Labor force ¹	117,522	117,814	117,832	117,927	118,477	118,779	118,900	118,929	119,351	119,796	119,744	119,879	119,936
Percent of population ²	65.2	65.3	65.2	65.2	65.3	65.4	65.4	65.4	65.6	65.8	65.7	65.7	65.6
Total employed ¹	109,251	109,513	109,671	109,904	110,646	110,252	110,481	110,587	110,797	111,353	111,554	111,852	111,607
Employment-population ratio ³	60.6	60.7	60.7	60.8	61.0	60.7	60.8	60.8	60.9	61.1	61.2	61.3	61.1
Resident Armed Forces	1,732	1,700	1,702	1,698	1,691	1,691	1,693	1,695	1,687	1,680	1,672	1,697	1,716
Civilian employed	107,519	107,813	107,969	108,206	108,955	108,561	108,788	108,892	109,110	109,673	109,882	110,155	109,891
Agriculture	3,017	3,058	3,070	3,151	3,299	3,096	3,285	3,222	3,160	3,165	3,112	3,048	3,121
Nonagricultural industries	104,502	104,755	104,899	105,055	105,655	105,465	105,503	105,670	105,950	106,508	106,769	107,107	106,770
Unemployed	8,271	8,301	8,161	8,023	7,831	8,527	8,419	8,342	8,554	8,443	8,190	8,027	8,329
Unemployment rate ⁴	7.0	7.0	6.9	6.8	6.6	7.2	7.1	7.0	7.2	7.0	6.8	6.7	6.9
Not in labor force	62,782	62,656	62,810	62,883	62,885	62,733	62,778	62,914	62,647	62,387	62,610	62,646	62,777
Men													
Noninstitutional population ¹	86,217	86,293	86,374	86,459	86,882	86,954	87,035	87,120	87,195	87,288	87,373	87,460	87,556
Labor force ¹	66,074	66,227	66,176	66,139	66,679	66,838	66,864	66,757	66,943	66,964	66,936	66,944	67,094
Percent of population ²	76.6	76.7	76.6	76.5	76.7	76.9	76.8	76.6	76.8	76.7	76.6	76.5	76.6
Total employed ¹	61,629	61,656	61,731	61,793	62,458	62,243	62,288	62,254	62,190	62,322	62,365	62,515	62,483
Employment-population ratio ³	71.5	71.4	71.5	71.5	71.9	71.6	71.6	71.5	71.3	71.4	71.4	71.5	71.4
Resident Armed Forces	1,580	1,551	1,552	1,549	1,539	1,539	1,540	1,541	1,533	1,525	1,518	1,541	1,560
Civilian employed	60,049	60,105	60,179	60,244	60,919	60,704	60,748	60,713	60,657	60,797	60,847	60,974	60,923
Unemployed	4,445	4,571	4,445	4,346	4,221	4,595	4,577	4,503	4,754	4,642	4,571	4,429	4,611
Unemployment rate ⁴	6.7	6.9	6.7	6.6	6.3	6.9	6.8	6.7	7.1	6.9	6.8	6.6	6.9
Not in labor force	20,143	20,066	20,198	20,320	20,203	20,116	20,171	20,363	20,252	20,324	20,437	20,516	20,462
Women													
Noninstitutional population ¹	94,087	94,177	94,266	94,351	94,479	94,558	94,643	94,723	94,803	94,895	94,981	95,065	95,156
Labor force ¹	51,448	51,587	51,655	51,788	51,797	51,941	52,036	52,172	52,408	52,832	52,808	52,935	52,842
Percent of population ²	54.7	54.8	54.8	54.9	54.8	54.9	55.0	55.1	55.3	55.7	55.6	55.7	55.5
Total employed ¹	47,622	47,857	47,939	48,111	48,187	48,009	48,194	48,333	48,608	49,031	49,189	49,337	49,125
Employment-population ratio ³	50.6	50.8	50.9	51.0	51.0	50.8	50.9	51.0	51.3	51.7	51.8	51.9	51.6
Resident Armed Forces	152	149	149	149	152	152	153	154	154	155	154	156	156
Civilian employed	47,470	47,708	47,790	47,962	48,035	47,857	48,041	48,179	48,454	48,876	49,035	49,181	48,969
Unemployed	3,826	3,730	3,716	3,677	3,610	3,932	3,842	3,839	3,800	3,801	3,619	3,598	3,717
Unemployment rate ⁴	7.4	7.2	7.2	7.1	7.0	7.6	7.4	7.4	7.3	7.2	6.9	6.8	7.0
Not in labor force	42,639	42,590	42,611	42,563	42,682	42,617	42,607	42,551	42,395	42,063	42,173	42,130	42,314

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

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

⁴ Unemployment as a percent of the labor force (including the resident

Armed Forces).

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, sex, and age	1985				1986								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
TOTAL													
Civilian noninstitutional population ¹	178,572	178,770	178,940	179,112	179,670	179,821	179,985	180,148	180,311	180,503	180,682	180,828	180,997
Civilian labor force	115,790	116,114	116,130	116,229	116,786	117,088	117,207	117,234	117,664	118,116	118,072	118,182	118,220
Percent of population	64.8	65.0	64.9	64.9	65.0	65.1	65.1	65.1	65.3	65.4	65.3	65.4	65.3
Employed	107,519	107,813	107,969	108,206	108,955	108,561	108,788	108,892	109,110	109,673	109,882	110,155	109,891
Employment-population ratio ²	60.2	60.3	60.3	60.4	60.6	60.4	60.4	60.4	60.5	60.8	60.8	60.9	60.7
Unemployed	8,271	8,301	8,161	8,023	7,831	8,527	8,419	8,342	8,554	8,443	8,190	8,027	8,329
Unemployment rate	7.1	7.1	7.0	6.9	6.7	7.3	7.2	7.1	7.3	7.1	6.9	6.8	7.0
Men, 20 years and over													
Civilian noninstitutional population ¹	77,389	77,498	77,566	77,651	78,101	78,171	78,236	78,309	78,387	78,484	78,586	78,634	78,722
Civilian labor force	60,407	60,526	60,553	60,548	61,212	61,183	61,268	61,053	61,208	61,387	61,323	61,235	61,345
Percent of population	78.1	78.1	78.1	78.0	78.4	78.3	78.3	78.0	78.1	78.2	78.0	77.9	77.9
Employed	56,751	56,849	56,897	56,982	57,706	57,384	57,459	57,391	57,312	57,560	57,499	57,607	57,547
Employment-population ratio ²	73.3	73.4	73.4	73.4	73.9	73.4	73.4	73.3	73.1	73.3	73.2	73.3	73.1
Agriculture	2,171	2,188	2,210	2,278	2,349	2,258	2,411	2,347	2,278	2,320	2,266	2,173	2,272
Nonagricultural industries	54,580	54,661	54,687	54,704	55,356	55,127	55,048	55,043	55,034	55,241	55,233	55,435	55,275
Unemployed	3,656	3,677	3,656	3,566	3,507	3,799	3,809	3,663	3,897	3,827	3,824	3,628	3,798
Unemployment rate	6.1	6.1	6.0	5.9	5.7	6.2	6.2	6.0	6.4	6.2	6.2	5.9	6.2
Not in labor force	16,982	16,972	17,013	17,103	16,889	16,988	16,968	17,256	17,179	17,097	17,263	17,399	17,377
Women, 20 years and over													
Civilian noninstitutional population ¹	86,727	86,810	86,901	86,988	87,112	87,185	87,263	87,355	87,444	87,547	87,629	87,689	87,779
Civilian labor force	47,558	47,663	47,713	47,870	47,895	47,921	47,952	48,107	48,409	48,805	48,916	48,989	48,922
Percent of population	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.1	55.4	55.7	55.8	55.9	55.7
Employed	44,363	44,609	44,656	44,882	44,980	44,710	44,797	45,009	45,284	45,701	45,918	45,999	45,879
Employment-population ratio ²	51.2	51.4	51.4	51.6	51.6	51.3	51.3	51.5	51.8	52.2	52.4	52.5	52.3
Agriculture	557	609	591	597	696	593	598	576	609	565	608	627	610
Nonagricultural industries	43,806	44,000	44,065	44,285	44,284	44,117	44,199	44,433	44,675	45,136	45,309	45,372	45,269
Unemployed	3,195	3,054	3,057	2,988	2,915	3,211	3,155	3,097	3,125	3,104	2,998	2,990	3,042
Unemployment rate	6.7	6.4	6.4	6.2	6.1	6.7	6.6	6.4	6.5	6.4	6.1	6.1	6.2
Not in labor force	39,169	39,147	39,188	39,118	39,217	39,264	39,311	39,248	39,035	38,742	38,713	38,700	38,858
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	14,456	14,463	14,472	14,474	14,458	14,465	14,485	14,484	14,480	14,472	14,467	14,505	14,496
Civilian labor force	7,825	7,925	7,864	7,811	7,678	7,984	7,987	8,074	8,047	7,923	7,833	7,958	7,953
Percent of population	54.1	54.8	54.3	54.0	53.1	55.2	55.1	55.7	55.6	54.7	54.1	54.9	54.9
Employed	6,405	6,355	6,416	6,342	6,269	6,467	6,532	6,492	6,515	6,411	6,465	6,549	6,465
Employment-population ratio ²	44.3	43.9	44.3	43.8	43.4	44.7	45.1	44.8	45.0	44.3	44.7	45.2	44.6
Agriculture	289	261	269	276	254	246	276	298	274	280	238	249	239
Nonagricultural industries	6,116	6,094	6,147	6,066	6,015	6,221	6,256	6,194	6,241	6,131	6,227	6,300	6,226
Unemployed	1,420	1,570	1,448	1,469	1,409	1,517	1,455	1,582	1,532	1,512	1,368	1,409	1,488
Unemployment rate	18.1	19.8	18.4	18.8	18.4	19.0	18.2	19.6	19.0	19.1	17.5	17.7	18.7
Not in labor force	6,631	6,538	6,608	6,663	6,780	6,481	6,498	6,410	6,433	6,549	6,634	6,547	6,543

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional

population.

**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	1985				1986								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
WHITE													
Civilian noninstitutional population ¹	153,938	154,082	154,203	154,327	154,784	154,889	155,005	155,122	155,236	155,376	155,502	155,604	155,723
Civilian labor force	100,179	100,533	100,478	100,533	100,961	101,232	101,248	101,249	101,515	101,975	101,922	102,189	102,127
Percent of population	65.1	65.2	65.2	65.1	65.2	65.4	65.3	65.3	65.4	65.6	65.5	65.7	65.6
Employed	94,055	94,369	94,507	94,585	95,165	94,803	94,958	95,081	95,180	95,731	95,760	96,271	95,953
Employment-population ratio ²	61.1	61.2	61.3	61.3	61.5	61.2	61.3	61.3	61.3	61.6	61.6	61.9	61.6
Unemployed	6,124	6,164	5,971	5,948	5,796	6,429	6,290	6,168	6,335	6,244	6,162	5,918	6,174
Unemployment rate	6.1	6.1	5.9	5.9	5.7	6.4	6.2	6.1	6.2	6.1	6.0	5.8	6.0
Men, 20 years and over													
Civilian labor force	52,983	53,105	53,125	53,097	53,603	53,598	53,613	53,504	53,548	53,674	53,528	53,571	53,669
Percent of population	78.5	78.6	78.5	78.4	78.7	78.6	78.6	78.4	78.4	78.5	78.2	78.2	78.3
Employed	50,207	50,339	50,380	50,408	50,944	50,691	50,665	50,717	50,588	50,789	50,599	50,870	50,798
Employment-population ratio ²	74.4	74.5	74.5	74.4	74.8	74.4	74.3	74.3	74.1	74.3	73.9	74.3	74.1
Unemployed	2,776	2,766	2,745	2,689	2,659	2,906	2,948	2,786	2,960	2,884	2,929	2,701	2,872
Unemployment rate	5.2	5.2	5.2	5.1	5.0	5.4	5.5	5.2	5.5	5.4	5.5	5.0	5.4
Women, 20 years and over													
Civilian labor force	40,403	40,549	40,538	40,659	40,691	40,698	40,750	40,808	41,040	41,511	41,646	41,705	41,555
Percent of population	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.7	55.3	55.4	55.4	55.2
Employed	38,096	38,317	38,366	38,475	38,546	38,298	38,407	38,566	38,775	39,249	39,424	39,538	39,366
Employment-population ratio ²	51.1	51.3	51.4	51.5	51.5	51.1	51.3	51.4	51.7	52.3	52.4	52.6	52.3
Unemployed	2,307	2,232	2,172	2,184	2,145	2,401	2,343	2,242	2,265	2,262	2,222	2,167	2,189
Unemployment rate	5.7	5.5	5.4	5.4	5.3	5.9	5.8	5.5	5.5	5.4	5.3	5.2	5.3
Both sexes, 16 to 19 years													
Civilian labor force	6,793	6,879	6,815	6,777	6,667	6,936	6,885	6,937	6,927	6,790	6,748	6,914	6,903
Percent of population	57.3	58.0	57.4	57.1	56.2	58.5	58.1	58.4	58.3	57.2	56.8	58.2	58.1
Employed	5,752	5,713	5,761	5,702	5,675	5,814	5,886	5,797	5,817	5,693	5,737	5,864	5,790
Employment-population ratio ²	48.5	48.2	48.6	48.1	47.8	49.0	49.6	48.8	49.0	47.9	48.3	49.3	48.7
Unemployed	1,041	1,166	1,054	1,075	992	1,122	999	1,140	1,110	1,097	1,011	1,050	1,113
Unemployment rate	15.3	17.0	15.5	15.9	14.9	16.2	14.5	16.4	16.0	16.2	15.0	15.2	16.1
Men	16.2	18.5	15.8	16.2	14.7	16.5	15.3	17.2	17.3	17.8	15.3	16.7	17.0
Women	14.4	15.3	15.1	15.5	15.1	15.8	13.7	15.6	14.7	14.4	14.7	13.5	15.2
BLACK													
Civilian noninstitutional population ¹	19,728	19,761	19,790	19,819	19,837	19,863	19,889	19,916	19,943	19,974	20,002	20,028	20,056
Civilian labor force	12,378	12,412	12,457	12,522	12,548	12,545	12,656	12,740	12,781	12,754	12,601	12,473	12,630
Percent of population	62.7	62.8	62.9	63.2	63.3	63.2	63.6	64.0	64.1	63.9	63.0	62.3	63.0
Employed	10,500	10,566	10,518	10,657	10,737	10,690	10,791	10,856	10,889	10,825	10,836	10,654	10,757
Employment-population ratio ²	53.2	53.5	53.1	53.8	54.1	53.8	54.3	54.5	54.6	54.2	54.2	53.2	53.6
Unemployed	1,878	1,846	1,939	1,865	1,810	1,855	1,865	1,884	1,892	1,929	1,766	1,819	1,873
Unemployment rate	15.2	14.9	15.6	14.9	14.4	14.8	14.7	14.8	14.8	15.1	14.0	14.6	14.8
Men, 20 years and over													
Civilian labor force	5,788	5,778	5,772	5,797	5,887	5,858	5,913	5,916	5,956	5,968	5,951	5,855	5,895
Percent of population	74.6	74.3	74.1	74.2	75.1	74.6	75.2	75.1	75.5	75.5	75.2	73.9	74.3
Employed	5,019	4,987	4,983	5,035	5,142	5,081	5,169	5,170	5,199	5,171	5,194	5,080	5,089
Employment-population ratio ²	64.7	64.1	63.9	64.5	65.6	64.7	65.7	65.7	65.9	65.4	65.6	64.1	64.1
Unemployed	769	791	789	762	745	778	744	746	757	796	757	775	806
Unemployment rate	13.3	13.7	13.7	13.1	12.7	13.3	12.6	12.6	12.7	13.3	12.7	13.2	13.7
Women, 20 years and over													
Civilian labor force	5,724	5,727	5,810	5,835	5,762	5,776	5,791	5,875	5,897	5,834	5,840	5,821	5,865
Percent of population	58.3	58.3	59.0	59.2	58.4	58.5	58.5	59.3	59.4	58.7	58.7	58.4	58.7
Employed	4,951	5,032	5,017	5,102	5,074	5,054	5,087	5,140	5,141	5,085	5,144	5,092	5,132
Employment-population ratio ²	50.5	51.2	50.9	51.7	51.5	51.2	51.4	51.9	51.8	51.2	51.7	51.1	51.4
Unemployed	773	695	793	733	689	722	704	735	756	749	696	728	733
Unemployment rate	13.5	12.1	13.6	12.6	12.0	12.5	12.2	12.5	12.8	12.8	11.9	12.5	12.5

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	1985				1986								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	866	907	875	890	898	911	951	949	928	952	810	797	871
Percent of population	40.2	42.2	40.7	41.5	42.0	42.6	44.5	44.4	43.5	44.8	38.0	37.3	40.7
Employed	530	547	518	520	522	555	535	545	549	569	497	482	537
Employment-population ratio ²	24.6	25.4	24.1	24.2	24.4	26.0	25.1	25.5	25.7	26.7	23.3	22.6	25.1
Unemployed	336	360	357	370	376	356	416	404	379	383	313	315	334
Unemployment rate	38.8	39.7	40.8	41.6	41.9	39.1	43.7	42.6	40.8	40.2	38.6	39.5	38.3
Men	41.1	41.0	45.2	41.0	41.3	38.7	44.1	41.4	40.8	38.5	41.6	37.4	38.9
Women	36.1	38.2	36.0	42.3	42.4	39.5	43.4	43.8	40.8	41.9	35.1	41.8	37.8
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	12,004	12,040	12,075	12,111	12,148	12,184	12,219	12,255	12,290	12,326	12,362	12,397	12,432
Civilian labor force	7,844	7,854	7,782	7,772	7,787	7,943	7,920	7,975	8,002	8,110	8,123	8,102	8,170
Percent of population	65.3	65.2	64.4	64.2	64.1	65.2	64.8	65.1	65.1	65.8	65.7	65.4	65.7
Employed	7,026	6,982	6,953	6,962	6,998	6,969	7,105	7,144	7,123	7,251	7,274	7,213	7,264
Employment-population ratio ²	58.5	58.0	57.6	57.5	57.6	57.2	58.2	58.3	58.0	58.8	58.8	58.2	58.4
Unemployed	818	872	829	810	789	974	815	832	878	858	849	889	906
Unemployment rate	10.4	11.1	10.7	10.4	10.1	12.3	10.3	10.4	11.0	10.6	10.5	11.0	11.1

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional population.

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

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

(In thousands)

Category	1985				1986								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
CHARACTERISTIC													
Total	107,519	107,813	107,969	108,206	108,955	108,561	108,788	108,892	109,110	109,673	109,882	110,155	109,891
Married men, spouse present	39,103	39,272	39,314	39,278	39,615	39,382	39,365	39,555	39,614	39,626	39,611	39,716	39,623
Married women, spouse present	28,531	26,702	26,721	26,804	26,958	26,593	26,656	26,802	26,920	27,427	27,523	27,438	27,203
Women who maintain families	5,556	5,514	5,605	5,693	5,702	5,733	5,771	5,812	5,718	5,668	5,829	5,826	5,927
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,438	1,465	1,537	1,572	1,673	1,519	1,689	1,587	1,480	1,498	1,486	1,469	1,501
Self-employed workers	1,414	1,436	1,361	1,409	1,492	1,444	1,453	1,475	1,486	1,504	1,427	1,379	1,472
Unpaid family workers	179	172	158	164	163	156	172	180	186	154	171	178	157
Nonagricultural industries:													
Wage and salary workers	96,546	96,530	96,676	96,921	97,911	97,516	97,698	97,831	97,994	98,372	98,206	98,667	98,738
Government	16,145	16,213	16,157	16,194	16,418	16,104	16,095	16,187	16,325	16,387	16,647	16,479	16,307
Private industries	80,401	80,317	80,519	80,727	81,494	81,412	81,604	81,643	81,669	81,984	81,559	82,188	82,432
Private households	1,266	1,271	1,197	1,131	1,256	1,197	1,213	1,321	1,275	1,279	1,243	1,261	1,234
Other industries	79,135	79,046	79,322	79,596	80,238	80,216	80,390	80,322	80,394	80,705	80,317	80,927	81,198
Self-employed workers	7,846	7,991	8,013	7,903	7,655	7,669	7,644	7,571	7,757	7,807	8,081	7,982	7,927
Unpaid family workers	266	248	249	250	273	270	240	253	229	235	254	282	277
PERSONS AT WORK PART TIME¹													
All industries:													
Part time for economic reasons	5,554	5,475	5,498	5,494	5,543	5,377	5,538	5,923	5,980	5,537	5,399	5,443	5,544
Slack work	2,433	2,251	2,306	2,303	2,364	2,369	2,330	2,603	2,659	2,434	2,484	2,411	2,496
Could only find part-time work	2,815	2,897	2,883	2,864	2,883	2,703	2,953	2,974	2,893	2,810	2,824	2,711	2,764
Voluntary part time	13,496	13,713	13,645	13,556	13,958	13,817	13,754	13,933	13,638	14,268	13,991	14,023	13,860
Nonagricultural industries:													
Part time for economic reasons	5,299	5,241	5,295	5,294	5,275	5,158	5,301	5,621	5,673	5,320	5,191	5,259	5,298
Slack work	2,292	2,115	2,196	2,195	2,208	2,224	2,159	2,430	2,523	2,308	2,323	2,286	2,327
Could only find part-time work	2,730	2,801	2,784	2,760	2,776	2,636	2,861	2,849	2,790	2,724	2,579	2,660	2,712
Voluntary part time	13,053	13,277	13,194	13,122	13,441	13,369	13,285	13,599	13,191	13,779	13,656	13,683	13,468

¹ Excludes persons "with a job but not at work" during the survey

period for such reasons as vacation, illness, or industrial dispute.

HOUSEHOLD DATA
SEASONALLY ADJUSTED

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

(In thousands)

Sex and age	1985				1986								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over	107,519	107,813	107,969	108,206	108,955	108,561	108,788	108,892	109,110	109,673	109,882	110,155	109,891
16 to 24 years	20,351	20,307	20,308	20,303	20,235	20,501	20,512	20,309	20,213	20,242	20,244	20,302	20,137
16 to 19 years	6,405	6,355	6,416	6,342	6,269	6,467	6,532	6,492	6,515	6,411	6,465	6,549	6,465
16 to 17 years	2,487	2,458	2,487	2,466	2,460	2,557	2,685	2,649	2,626	2,614	2,593	2,569	2,685
18 to 19 years	3,930	3,913	3,910	3,887	3,857	3,920	3,889	3,828	3,876	3,818	3,807	3,940	3,788
20 to 24 years	13,946	13,952	13,892	13,961	13,966	14,034	13,980	13,817	13,698	13,831	13,779	13,753	13,672
25 years and over	87,157	87,477	87,665	87,877	88,684	88,007	88,315	88,639	88,876	89,428	89,721	89,873	89,755
25 to 54 years	72,945	73,164	73,384	73,668	74,373	73,922	74,079	74,364	74,428	74,882	75,252	75,396	75,551
55 years and over	14,231	14,336	14,297	14,248	14,360	14,085	14,151	14,250	14,379	14,567	14,493	14,467	14,236
Men, 16 years and over	60,049	60,105	60,179	60,244	60,919	60,704	60,748	60,713	60,657	60,797	60,847	60,974	60,923
16 to 24 years	10,632	10,543	10,590	10,584	10,635	10,766	10,701	10,585	10,492	10,463	10,602	10,570	10,529
16 to 19 years	3,298	3,256	3,282	3,262	3,214	3,320	3,288	3,322	3,345	3,236	3,348	3,367	3,376
16 to 17 years	1,307	1,280	1,308	1,289	1,249	1,323	1,372	1,368	1,380	1,350	1,357	1,305	1,423
18 to 19 years	2,008	1,993	1,957	1,984	1,996	2,018	1,929	1,956	1,955	1,895	1,970	2,023	1,963
20 to 24 years	7,334	7,287	7,308	7,322	7,421	7,446	7,413	7,262	7,147	7,227	7,255	7,203	7,154
25 years and over	49,398	49,532	49,596	49,636	50,296	49,905	50,058	50,216	50,165	50,289	50,284	50,410	50,389
25 to 54 years	40,971	41,081	41,144	41,244	41,786	41,588	41,642	41,751	41,648	41,835	41,863	42,037	42,113
55 years and over	8,459	8,483	8,461	8,424	8,522	8,326	8,361	8,436	8,501	8,462	8,408	8,339	8,291
Women, 16 years and over	47,470	47,708	47,790	47,962	48,035	47,857	48,041	48,179	48,454	48,876	49,035	49,181	48,969
16 to 24 years	9,719	9,764	9,718	9,719	9,599	9,738	9,810	9,724	9,721	9,779	9,642	9,732	9,607
16 to 19 years	3,107	3,099	3,134	3,080	3,055	3,147	3,244	3,170	3,170	3,175	3,117	3,182	3,089
16 to 17 years	1,180	1,178	1,179	1,177	1,211	1,234	1,313	1,281	1,246	1,264	1,236	1,264	1,262
18 to 19 years	1,922	1,920	1,953	1,903	1,861	1,902	1,960	1,872	1,921	1,923	1,837	1,917	1,825
20 to 24 years	6,612	6,665	6,584	6,639	6,545	6,589	6,567	6,555	6,552	6,604	6,524	6,550	6,518
25 years and over	37,759	37,945	38,069	38,241	38,368	38,102	38,257	38,423	38,711	39,139	39,437	39,463	39,366
25 to 54 years	31,974	32,083	32,240	32,424	32,587	32,334	32,437	32,613	32,780	33,047	33,389	33,359	33,438
55 years and over	5,772	5,853	5,836	5,824	5,838	5,760	5,789	5,814	5,878	6,104	6,086	6,129	5,945

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

(In thousands)

Sex and age	1985				1986								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over	8,271	8,301	8,161	8,023	7,831	8,527	8,419	8,342	8,554	8,443	8,190	8,027	8,329
16 to 24 years	3,132	3,274	3,170	3,123	3,030	3,222	3,109	3,266	3,339	3,172	3,036	2,971	3,213
16 to 19 years	1,420	1,570	1,448	1,469	1,409	1,517	1,455	1,582	1,532	1,512	1,368	1,409	1,488
16 to 17 years	632	721	678	660	650	711	645	698	702	680	625	627	685
18 to 19 years	786	846	795	822	754	813	801	894	824	830	711	785	796
20 to 24 years	1,712	1,704	1,722	1,654	1,621	1,705	1,654	1,684	1,807	1,660	1,668	1,562	1,725
25 years and over	5,176	5,004	4,987	4,890	4,808	5,309	5,300	5,101	5,188	5,303	5,153	5,059	5,145
25 to 54 years	4,522	4,402	4,384	4,301	4,248	4,666	4,671	4,557	4,872	4,728	4,615	4,496	4,502
55 years and over	604	589	570	573	576	650	638	576	545	560	573	554	602
Men, 16 years and over	4,445	4,571	4,445	4,346	4,221	4,595	4,577	4,503	4,754	4,642	4,571	4,429	4,611
16 to 24 years	1,696	1,800	1,710	1,649	1,568	1,688	1,683	1,792	1,850	1,705	1,658	1,626	1,792
16 to 19 years	789	894	789	780	714	796	768	840	857	815	747	801	813
16 to 17 years	341	405	345	355	331	399	342	367	380	325	340	347	398
18 to 19 years	450	494	449	435	387	403	418	480	478	487	378	447	413
20 to 24 years	907	906	921	869	854	892	915	952	993	890	911	825	979
25 years and over	2,779	2,761	2,736	2,694	2,660	2,909	2,886	2,733	2,865	2,945	2,908	2,803	2,838
25 to 54 years	2,393	2,381	2,359	2,339	2,330	2,533	2,508	2,415	2,553	2,590	2,592	2,440	2,441
55 years and over	352	361	353	339	345	386	373	344	335	362	344	355	369
Women, 16 years and over	3,826	3,730	3,716	3,677	3,610	3,932	3,842	3,839	3,800	3,801	3,619	3,598	3,717
16 to 24 years	1,436	1,474	1,460	1,474	1,462	1,534	1,427	1,473	1,489	1,467	1,378	1,344	1,421
16 to 19 years	631	676	659	689	695	721	687	742	675	697	621	608	675
16 to 17 years	291	316	333	305	319	312	303	331	322	355	285	280	287
18 to 19 years	336	352	346	387	367	410	383	414	346	343	333	338	383
20 to 24 years	805	798	801	785	767	813	740	731	814	770	757	736	746
25 years and over	2,397	2,243	2,251	2,196	2,148	2,400	2,414	2,368	2,322	2,358	2,246	2,256	2,308
25 to 54 years	2,129	2,021	2,025	1,962	1,918	2,133	2,163	2,143	2,119	2,138	2,023	2,056	2,061
55 years and over	252	228	217	234	231	264	264	232	209	198	229	199	232

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Civilian workers)

Sex and age	1985				1986								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over	7.1	7.1	7.0	6.9	6.7	7.3	7.2	7.1	7.3	7.1	6.9	6.8	7.0
16 to 24 years	13.3	13.9	13.5	13.3	13.0	13.6	13.2	13.9	14.2	13.5	13.0	12.8	13.8
16 to 19 years	18.1	19.8	18.4	18.8	18.4	19.0	18.2	18.6	19.0	19.1	17.5	17.7	18.7
16 to 17 years	20.3	22.7	21.4	21.1	20.9	21.8	19.4	20.9	21.1	20.6	19.4	19.6	20.3
18 to 19 years	16.7	17.8	16.9	17.5	16.4	17.2	17.1	18.9	17.5	17.9	15.7	16.6	17.4
20 to 24 years	10.9	10.9	11.0	10.6	10.4	10.8	10.6	10.9	11.7	10.7	10.8	10.2	11.2
25 years and over	5.6	5.4	5.4	5.3	5.1	5.7	5.7	5.4	5.5	5.6	5.4	5.3	5.4
25 to 54 years	5.8	5.7	5.6	5.5	5.4	5.9	5.9	5.8	5.9	5.9	5.8	5.6	5.6
55 years and over	4.1	3.9	3.8	3.9	3.9	4.4	4.3	3.9	3.6	3.7	3.8	3.7	4.1
Men, 16 years and over	6.9	7.1	6.9	6.7	6.5	7.0	7.0	6.9	7.3	7.1	7.0	6.8	7.0
16 to 24 years	13.8	14.6	13.9	13.5	12.8	13.6	13.6	14.5	15.0	14.0	13.5	13.3	14.5
16 to 19 years	19.3	21.5	19.4	19.3	18.2	19.3	18.9	20.2	20.4	20.1	18.2	19.2	19.4
16 to 17 years	20.7	24.0	20.9	21.6	20.9	23.2	20.0	21.2	21.6	19.4	20.0	21.0	21.9
18 to 19 years	18.3	19.9	18.7	18.0	16.2	16.6	17.8	19.7	19.6	20.4	16.1	18.1	17.4
20 to 24 years	11.0	11.1	11.2	10.6	10.3	10.7	11.0	11.6	12.2	11.0	11.2	10.3	12.0
25 years and over	5.3	5.3	5.2	5.1	5.0	5.5	5.5	5.2	5.4	5.5	5.5	5.3	5.3
25 to 54 years	5.5	5.5	5.4	5.4	5.3	5.7	5.7	5.5	5.8	5.8	5.8	5.5	5.5
55 years and over	4.0	4.1	4.0	3.9	3.9	4.4	4.3	3.9	3.8	4.1	3.9	4.1	4.3
Women, 16 years and over	7.5	7.3	7.2	7.1	7.0	7.6	7.4	7.4	7.3	7.2	6.9	6.8	7.1
16 to 24 years	12.9	13.1	13.1	13.2	13.2	13.6	12.7	13.2	13.3	13.0	12.5	12.1	12.9
16 to 19 years	16.9	17.9	17.4	18.3	18.5	18.6	17.5	19.0	17.6	18.0	16.6	16.0	17.9
16 to 17 years	19.8	21.2	22.0	20.6	20.8	20.2	18.8	20.5	20.5	21.9	18.7	18.1	18.5
18 to 19 years	14.9	15.5	15.1	16.9	16.5	17.7	16.3	18.1	15.3	15.1	15.3	15.0	17.3
20 to 24 years	10.9	10.7	10.8	10.6	10.5	11.0	10.1	10.0	11.1	10.4	10.4	10.1	10.3
25 years and over	6.0	5.6	5.6	5.4	5.3	5.9	5.9	5.8	5.7	5.7	5.4	5.4	5.5
25 to 54 years	6.2	5.9	5.9	5.7	5.6	6.2	6.3	6.2	6.1	6.1	5.7	5.8	5.8
55 years and over	4.2	3.7	3.6	3.9	3.8	4.4	4.4	3.8	3.4	3.1	3.6	3.1	3.8

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1985				1986								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
CHARACTERISTIC													
Total (all civilian workers)	7.1	7.1	7.0	6.9	6.7	7.3	7.2	7.1	7.3	7.1	6.9	6.8	7.0
Men, 20 years and over	6.1	6.1	6.0	5.9	5.7	6.2	6.2	6.0	6.4	6.2	6.2	5.9	6.2
Women, 20 years and over	6.7	6.4	6.4	6.2	6.1	6.7	6.6	6.4	6.5	6.4	6.1	6.1	6.2
Both sexes, 16 to 19 years	18.1	19.8	18.4	18.8	18.4	19.0	18.2	19.6	19.0	19.1	17.5	17.7	18.7
White	6.1	6.1	5.9	5.9	5.7	6.4	6.2	6.1	6.2	6.1	6.0	5.8	6.0
Black and other	13.7	13.5	14.1	13.4	12.8	13.3	13.3	13.6	13.6	13.7	12.6	13.1	13.3
Black	15.2	14.9	15.6	14.9	14.4	14.8	14.7	14.8	14.8	15.1	14.0	14.6	14.8
Hispanic origin	10.4	11.1	10.7	10.4	10.1	12.3	10.3	10.4	11.0	10.6	10.5	11.0	11.1
Married men, spouse present	4.3	4.2	4.3	4.3	4.3	4.5	4.5	4.2	4.5	4.5	4.4	4.1	4.2
Married women, spouse present	5.6	5.3	5.5	5.3	5.1	5.5	5.6	5.3	5.4	5.2	5.3	5.1	5.0
Women who maintain families	11.3	10.4	10.0	9.4	9.9	9.9	10.1	9.4	10.2	10.1	9.2	10.3	10.1
Full-time workers	6.8	6.8	6.7	6.6	6.4	6.9	6.9	6.7	7.0	6.7	6.6	6.4	6.7
Part-time workers	9.3	9.6	8.8	9.0	8.4	9.4	9.1	9.6	9.2	9.1	9.0	9.3	9.3
Unemployed 15 weeks and over ¹	2.0	2.0	1.9	1.9	1.8	2.0	1.9	1.8	1.9	2.0	1.9	1.9	2.0
Labor force time lost ²	8.1	7.9	7.9	7.8	7.6	8.1	8.1	8.1	8.3	8.1	7.7	7.7	8.0
INDUSTRY													
Nonagricultural private wage and salary workers	7.2	7.1	7.0	6.9	6.7	7.2	7.2	7.2	7.3	7.1	7.2	6.9	7.0
Mining	8.9	7.7	7.3	10.3	10.9	9.2	10.4	12.8	13.7	17.6	17.0	16.7	13.3
Construction	13.6	13.5	13.4	12.6	12.9	13.2	13.0	12.0	13.3	12.1	13.2	12.2	12.7
Manufacturing	7.7	7.5	7.7	7.3	7.0	7.2	7.2	6.8	7.5	7.3	6.9	6.8	7.0
Durable goods	7.7	7.3	7.6	7.3	7.0	7.4	6.8	6.8	7.3	7.1	6.7	6.9	6.5
Nondurable goods	7.8	7.8	7.8	7.3	7.1	7.0	7.7	6.8	7.7	7.5	7.2	6.7	7.8
Transportation and public utilities	5.3	5.1	5.1	5.0	4.3	5.3	6.1	5.6	5.3	5.5	6.1	4.6	4.7
Wholesale and retail trade	7.8	7.7	7.5	7.6	7.2	7.8	7.6	8.1	8.1	7.7	7.8	7.4	7.6
Finance and service industries	5.5	5.4	5.4	5.3	5.2	5.9	5.7	5.9	5.5	5.4	5.7	5.7	5.6
Agricultural wage and salary workers	13.3	12.9	12.5	10.6	10.9	14.3	11.9	13.4	15.8	13.2	11.6	13.8	13.5

¹ Unemployment as a percent of the civilian labor force.

² Aggregate hours lost by the unemployed and persons on part time

for economic reasons as a percent of potentially available labor force hours.

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

(Numbers in thousands)

Weeks of unemployment	1985				1986								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
DURATION													
Less than 5 weeks	3,484	3,430	3,465	3,374	3,311	3,562	3,589	3,628	3,705	3,384	3,394	3,427	3,407
5 to 14 weeks	2,505	2,536	2,448	2,460	2,441	2,622	2,640	2,685	2,737	2,708	2,486	2,379	2,533
15 weeks and over	2,307	2,277	2,205	2,188	2,056	2,340	2,258	2,135	2,209	2,320	2,256	2,295	2,405
15 to 26 weeks	1,035	1,057	894	973	969	1,149	1,099	1,001	1,072	1,036	1,066	1,086	1,114
27 weeks and over	1,272	1,220	1,311	1,215	1,087	1,191	1,159	1,134	1,137	1,284	1,190	1,209	1,291
Average (mean) duration, in weeks	15.5	15.4	15.7	15.4	14.9	15.3	14.4	14.3	14.4	15.2	15.0	15.8	15.6
Median duration, in weeks	6.9	7.0	6.9	6.9	6.8	6.9	6.8	6.5	6.6	7.3	7.1	7.2	7.2
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	42.0	41.6	42.7	42.1	42.4	41.8	42.3	42.9	42.8	40.2	41.7	42.3	40.8
5 to 14 weeks	30.2	30.8	30.2	30.7	31.3	30.8	31.1	31.8	31.6	32.2	30.6	29.4	30.4
15 weeks and over	27.8	27.6	27.2	27.3	26.3	27.5	26.6	25.3	25.5	27.6	27.7	28.3	28.8
15 to 26 weeks	12.5	12.8	11.0	12.1	12.4	13.5	13.0	11.9	12.4	12.3	13.1	13.4	13.4
27 weeks and over	15.3	14.8	16.1	15.1	13.9	14.0	13.7	13.4	13.1	15.3	14.6	14.9	15.5

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

(Numbers in thousands)

Reasons for unemployment	1985				1986								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
NUMBER OF UNEMPLOYED													
Job losers	4,142	4,040	4,081	3,933	3,776	4,162	4,246	4,034	4,311	4,335	3,937	3,831	4,044
On layoff	1,167	1,161	1,175	1,132	1,163	1,152	1,164	1,028	1,133	1,066	1,079	990	1,014
Other job losers	2,975	2,879	2,906	2,801	2,613	3,010	3,082	3,006	3,178	3,269	2,858	2,841	3,030
Job leavers	852	911	808	876	996	1,001	1,002	1,110	975	1,013	1,034	978	1,043
Reentrants	2,335	2,237	2,226	2,225	2,066	2,292	2,197	2,191	2,217	2,064	2,223	2,232	2,118
New entrants	918	1,045	1,055	1,033	1,025	1,097	1,000	1,059	1,062	1,059	965	1,000	1,044
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	50.2	49.1	50.0	48.8	48.0	48.7	50.3	48.1	50.3	51.2	48.3	47.6	49.0
On layoff	14.2	14.1	14.4	14.0	14.8	13.5	13.8	12.2	13.2	12.6	13.2	12.3	12.3
Other job losers	36.1	35.0	35.6	34.7	33.2	35.2	36.5	35.8	37.1	38.6	35.0	35.3	36.7
Job leavers	10.3	11.1	9.9	10.9	12.7	11.7	11.9	13.2	11.4	12.0	12.7	12.2	12.6
Reentrants	28.3	27.2	27.2	27.6	26.3	26.8	26.0	26.1	25.9	24.4	27.2	27.8	25.7
New entrants	11.1	12.7	12.9	12.8	13.0	12.8	11.8	12.6	12.4	12.5	11.8	12.4	12.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.6	3.5	3.5	3.4	3.2	3.6	3.6	3.4	3.7	3.7	3.3	3.2	3.4
Job leavers .....	.7	.8	.7	.8	.9	.9	.9	.9	.8	.9	.9	.8	.9
Reentrants	2.0	1.9	1.9	1.9	1.8	2.0	1.9	1.9	1.9	1.7	1.9	1.9	1.8
New entrants .....	.8	.9	.9	.9	.9	.9	.9	.9	.9	.9	.8	.8	.9

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-42. 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	1983		1984				1985				1986		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
TOTAL													
Noninstitutional population ¹	176,129	176,639	177,364	177,816	178,305	178,834	179,222	179,649	180,135	180,641	181,517	182,008	182,530
Labor force ¹	113,770	113,831	114,221	115,232	115,522	115,936	116,724	116,909	117,189	117,858	118,718	119,359	119,853
Percent of population ²	64.6	64.4	64.4	64.8	64.8	64.8	65.1	65.1	65.1	65.2	65.4	65.6	65.7
Total employed ¹	103,299	104,290	105,357	106,715	107,078	107,659	108,318	108,507	108,921	109,696	110,460	110,912	111,671
Employment-population ratio ³	58.6	59.0	59.4	60.0	60.1	60.2	60.4	60.4	60.5	60.7	60.9	60.9	61.2
Resident Armed Forces	1,680	1,689	1,685	1,691	1,710	1,701	1,700	1,703	1,721	1,700	1,692	1,687	1,695
Civilian employed	101,619	102,600	103,671	105,024	105,368	105,959	106,618	106,804	107,200	107,996	108,768	109,225	109,976
Agriculture	3,433	3,308	3,305	3,350	3,319	3,325	3,319	3,259	3,077	3,093	3,227	3,182	3,094
Nonagricultural industries	98,186	99,292	100,366	101,675	102,048	102,634	103,298	103,545	104,123	104,903	105,541	106,043	106,882
Unemployed	10,471	9,541	8,865	8,517	8,444	8,276	8,406	8,402	8,268	8,162	8,259	8,446	8,182
Unemployment rate ⁴	9.2	8.4	7.8	7.4	7.3	7.1	7.2	7.2	7.1	6.9	7.0	7.1	6.8
Not in labor force	62,359	62,808	63,143	62,584	62,783	62,898	62,498	62,740	62,946	62,783	62,798	62,650	62,677
Men													
Noninstitutional population ¹	84,178	84,424	84,812	85,028	85,263	85,523	85,695	85,899	86,133	86,376	86,957	87,201	87,463
Labor force ¹	64,866	64,816	65,023	65,317	65,469	65,678	65,806	65,916	65,968	66,181	66,794	66,888	66,991
Percent of population ²	77.1	76.8	76.7	76.8	76.8	76.8	76.8	76.7	76.6	76.6	76.8	76.7	76.6
Total employed ¹	58,724	59,329	60,038	60,579	60,811	61,135	61,250	61,349	61,471	61,727	62,330	62,255	62,454
Employment-population ratio ³	69.8	70.3	70.8	71.2	71.3	71.5	71.5	71.4	71.4	71.5	71.7	71.4	71.4
Resident Armed Forces	1,536	1,538	1,541	1,546	1,562	1,553	1,552	1,554	1,569	1,551	1,539	1,533	1,540
Civilian employed	57,188	57,791	58,497	59,033	59,249	59,582	59,698	59,795	59,901	60,176	60,790	60,722	60,914
Unemployed	6,142	5,487	4,985	4,738	4,658	4,543	4,555	4,568	4,497	4,454	4,464	4,633	4,537
Unemployment rate ⁴	9.5	8.5	7.7	7.3	7.1	6.9	6.9	6.9	6.8	6.7	6.7	6.9	6.8
Not in labor force	19,312	19,608	19,789	19,709	19,794	19,845	19,889	19,982	20,166	20,195	20,164	20,313	20,471
Women													
Noninstitutional population ¹	91,952	92,215	92,552	92,790	93,043	93,311	93,527	93,751	94,000	94,265	94,560	94,807	95,067
Labor force ¹	48,904	49,015	49,198	49,915	50,053	50,258	50,918	50,993	51,221	51,677	51,925	52,471	52,862
Percent of population ²	53.2	53.2	53.2	53.8	53.8	53.9	54.4	54.4	54.5	54.8	54.9	55.3	55.6
Total employed ¹	44,575	44,961	45,318	46,136	46,267	46,524	47,068	47,158	47,450	47,969	48,130	48,657	49,217
Employment-population ratio ³	48.5	48.8	49.0	49.7	49.7	49.9	50.3	50.3	50.5	50.9	50.9	51.3	51.8
Resident Armed Forces	144	151	144	145	148	148	148	149	151	149	152	154	155
Civilian employed	44,431	44,809	45,174	45,991	46,119	46,377	46,919	47,009	47,299	47,820	47,978	48,503	49,062
Unemployed	4,329	4,055	3,880	3,779	3,786	3,733	3,851	3,835	3,771	3,708	3,795	3,814	3,645
Unemployment rate ⁴	8.9	8.3	7.9	7.6	7.6	7.4	7.6	7.5	7.4	7.2	7.3	7.3	6.9
Not in labor force	43,048	43,200	43,354	42,875	42,990	43,053	42,609	42,758	42,779	42,588	42,636	42,337	42,206

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

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

⁴ Unemployment as a percent of the labor force (including the resident

Armed Forces).

NOTE: The population and Armed Forces figures are not adjusted for seasonal variation. Detail for the seasonally adjusted data shown in tables A-42 through A-53 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-43. Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted

(Numbers in thousands)

Employment status, sex, and age	1983		1984				1985				1986		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
TOTAL													
Civilian noninstitutional population ¹	174,449	174,950	175,679	176,125	176,595	177,133	177,522	177,946	178,414	178,941	179,825	180,321	180,835
Civilian labor force	112,090	112,142	112,536	113,541	113,812	114,235	115,024	115,206	115,468	116,158	117,027	117,671	118,158
Percent of population	64.3	64.1	64.1	64.5	64.4	64.5	64.8	64.7	64.7	64.9	65.1	65.3	65.3
Employed	101,619	102,600	103,671	105,024	105,368	105,959	106,618	106,804	107,200	107,996	108,768	109,225	109,976
Employment-population ratio ²	58.3	58.6	59.0	59.6	59.7	59.8	60.1	60.0	60.1	60.4	60.5	60.6	60.8
Unemployed	10,471	9,541	8,865	8,517	8,444	8,276	8,406	8,402	8,268	8,162	8,259	8,446	8,182
Unemployment rate	9.3	8.5	7.9	7.5	7.4	7.2	7.3	7.3	7.2	7.0	7.1	7.2	6.9
Men, 20 years and over													
Civilian noninstitutional population ¹	75,018	75,325	75,786	76,074	76,356	76,660	76,831	77,064	77,313	77,571	78,169	78,393	78,647
Civilian labor force	58,986	59,026	59,334	59,612	59,808	59,981	60,083	60,217	60,278	60,542	61,221	61,216	61,301
Percent of population	78.6	78.4	78.3	78.4	78.3	78.2	78.2	78.1	78.0	78.0	78.3	78.1	77.9
Employed	53,864	54,427	55,189	55,684	55,951	56,234	56,305	56,439	56,597	56,909	57,516	57,421	57,551
Employment-population ratio ²	71.8	72.3	72.8	73.2	73.3	73.4	73.3	73.2	73.2	73.4	73.6	73.2	73.2
Agriculture	2,479	2,374	2,384	2,432	2,426	2,431	2,369	2,323	2,211	2,225	2,339	2,315	2,237
Nonagricultural industries	51,385	52,053	52,806	53,252	53,525	53,803	53,937	54,116	54,386	54,684	55,177	55,106	55,314
Unemployed	5,122	4,599	4,145	3,928	3,857	3,747	3,757	3,778	3,681	3,633	3,705	3,795	3,750
Unemployment rate	8.7	7.8	7.0	6.6	6.4	6.2	6.3	6.3	6.1	6.0	6.1	6.2	6.1
Not in labor force	16,032	16,299	16,452	16,462	16,548	16,679	16,768	16,847	17,035	17,029	16,948	17,177	17,346
Women, 20 years and over													
Civilian noninstitutional population ¹	84,227	84,554	84,962	85,273	85,586	85,895	86,094	86,377	86,651	86,900	87,187	87,449	87,699
Civilian labor force	44,871	45,057	45,231	45,914	46,089	46,366	46,900	47,123	47,363	47,749	47,923	48,440	48,942
Percent of population	53.3	53.3	53.2	53.8	53.9	54.0	54.5	54.6	54.7	54.9	55.0	55.4	55.8
Employed	41,364	41,761	42,072	42,839	42,980	43,280	43,744	43,947	44,210	44,716	44,829	45,331	45,932
Employment-population ratio ²	49.1	49.4	49.5	50.2	50.2	50.4	50.8	50.9	51.0	51.5	51.4	51.8	52.4
Agriculture	617	630	602	611	590	577	610	602	578	599	629	583	615
Nonagricultural industries	40,747	41,131	41,470	42,228	42,390	42,702	43,135	43,345	43,632	44,117	44,200	44,748	45,317
Unemployed	3,506	3,296	3,158	3,075	3,109	3,086	3,156	3,176	3,153	3,033	3,094	3,109	3,010
Unemployment rate	7.8	7.3	7.0	6.7	6.7	6.7	6.7	6.7	6.7	6.4	6.5	6.4	6.2
Not in labor force	39,356	39,497	39,731	39,359	39,497	39,529	39,194	39,254	39,288	39,151	39,264	39,009	38,757
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	15,205	15,071	14,931	14,778	14,653	14,577	14,597	14,506	14,450	14,470	14,469	14,479	14,489
Civilian labor force	8,233	8,059	7,971	8,015	7,915	7,888	8,061	7,866	7,828	7,867	7,883	8,015	7,915
Percent of population	54.1	53.5	53.4	54.2	54.0	54.1	55.2	54.2	54.2	54.4	54.5	55.4	54.6
Employed	6,391	6,412	6,410	6,502	6,437	6,445	6,568	6,418	6,393	6,371	6,423	6,473	6,493
Employment-population ratio ²	42.0	42.5	42.9	44.0	43.9	44.2	45.0	44.2	44.2	44.0	44.4	44.7	44.8
Agriculture	338	304	320	307	303	317	341	334	289	269	259	284	242
Nonagricultural industries	6,053	6,108	6,090	6,194	6,134	6,128	6,227	6,084	6,105	6,102	6,164	6,189	6,251
Unemployed	1,842	1,647	1,562	1,514	1,478	1,443	1,493	1,448	1,434	1,496	1,460	1,542	1,422
Unemployment rate	22.4	20.4	19.6	18.9	18.7	18.3	18.5	18.4	18.3	19.0	18.5	19.2	18.0
Not in labor force	6,972	7,012	6,960	6,763	6,738	6,689	6,536	6,640	6,622	6,603	6,586	6,464	6,574

¹ The population figures are not adjusted for seasonal variation.

population.

² Civilian employment as a percent of the civilian noninstitutional

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-44. 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	1983		1984				1985				1986		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
WHITE													
Civilian noninstitutional population ¹	150,994	151,327	152,101	152,234	152,386	152,666	153,196	153,491	153,825	154,204	154,893	155,245	155,609
Civilian labor force	97,482	97,662	97,995	98,613	98,509	98,798	99,611	99,672	99,900	100,515	101,147	101,579	102,079
Percent of population	64.6	64.5	64.4	64.8	64.6	64.7	65.0	64.9	65.2	65.3	65.3	65.4	65.6
Employed	89,583	90,471	91,342	92,256	92,261	92,622	93,357	93,392	93,706	94,487	94,975	95,331	95,995
Employment-population ratio ²	59.3	59.8	60.1	60.6	60.5	60.7	60.9	60.8	60.9	61.3	61.3	61.4	61.7
Unemployed	7,899	7,192	6,654	6,357	6,247	6,175	6,254	6,280	6,195	6,028	6,172	6,249	6,085
Unemployment rate	8.1	7.4	6.8	6.4	6.3	6.3	6.3	6.3	6.2	6.0	6.1	6.2	6.0
Men, 20 years and over													
Civilian labor force	51,916	51,996	52,270	52,441	52,462	52,577	52,734	52,857	52,871	53,109	53,605	53,575	53,590
Percent of population	79.0	78.9	78.7	78.8	78.7	78.7	78.6	78.5	78.4	78.5	78.7	78.4	78.2
Employed	47,934	48,415	49,081	49,473	49,569	49,713	49,873	49,970	50,024	50,376	50,767	50,698	50,755
Employment-population ratio ²	73.0	73.5	73.9	74.3	74.4	74.4	74.3	74.3	74.1	74.5	74.5	74.2	74.1
Unemployed	3,982	3,581	3,189	2,967	2,893	2,864	2,861	2,888	2,847	2,733	2,838	2,877	2,834
Unemployment rate	7.7	6.9	6.1	5.7	5.5	5.4	5.4	5.5	5.4	5.1	5.3	5.4	5.3
Women, 20 years and over													
Civilian labor force	38,338	38,579	38,672	39,157	39,169	39,354	39,890	40,020	40,263	40,582	40,713	41,120	41,635
Percent of population	52.7	52.9	52.7	53.3	53.2	53.3	53.8	53.9	54.0	54.3	54.4	54.8	55.3
Employed	35,792	36,200	36,380	36,900	36,900	37,110	37,575	37,695	37,967	38,386	38,417	38,664	39,442
Employment-population ratio ²	49.2	49.6	49.6	50.2	50.1	50.3	50.7	50.7	51.0	51.4	51.3	51.8	52.4
Unemployed	2,545	2,380	2,292	2,256	2,267	2,244	2,315	2,325	2,296	2,196	2,296	2,256	2,193
Unemployment rate	6.6	6.2	5.9	5.8	5.8	5.7	5.8	5.8	5.7	5.4	5.6	5.5	5.3
Both sexes, 16 to 19 years													
Civilian labor force	7,228	7,087	7,054	7,016	6,878	6,867	6,986	6,794	6,767	6,824	6,829	6,885	6,855
Percent of population	57.6	57.0	57.3	57.6	57.0	57.1	58.4	57.1	57.0	57.5	57.6	58.0	57.7
Employed	5,857	5,856	5,881	5,882	5,790	5,799	5,908	5,727	5,715	5,725	5,792	5,769	5,797
Employment-population ratio ²	46.7	47.1	47.7	48.3	48.0	48.2	49.4	48.1	48.2	48.3	48.8	48.6	48.8
Unemployed	1,371	1,231	1,173	1,133	1,088	1,068	1,078	1,067	1,052	1,098	1,038	1,116	1,058
Unemployment rate	19.0	17.4	16.6	16.2	15.8	15.5	15.4	15.7	15.5	16.1	15.2	16.2	15.4
Men	19.8	18.2	17.4	16.8	16.8	16.3	16.2	16.4	16.8	16.8	15.5	17.4	16.3
Women	18.1	16.5	15.8	15.5	14.7	14.7	14.6	14.9	14.1	15.3	14.8	14.9	14.5
BLACK													
Civilian noninstitutional population ¹	18,968	19,057	19,222	19,303	19,387	19,481	19,543	19,620	19,701	19,790	19,863	19,945	20,028
Civilian labor force	11,722	11,617	11,817	11,947	12,117	12,242	12,299	12,351	12,340	12,464	12,583	12,758	12,568
Percent of population	61.8	61.0	61.5	61.9	62.5	62.8	62.9	63.0	62.6	63.0	63.3	64.0	62.8
Employed	9,462	9,550	9,847	10,036	10,196	10,393	10,402	10,498	10,520	10,580	10,739	10,857	10,749
Employment-population ratio ²	49.9	50.1	51.2	52.0	52.6	53.3	53.2	53.5	53.4	53.5	54.1	54.4	53.7
Unemployed	2,260	2,067	1,970	1,911	1,921	1,849	1,897	1,853	1,821	1,883	1,843	1,902	1,819
Unemployment rate	19.3	17.8	16.7	16.0	15.9	15.1	15.4	15.0	14.8	15.1	14.6	14.9	14.5
Men, 20 years and over													
Civilian labor force	5,577	5,535	5,659	5,647	5,702	5,728	5,717	5,733	5,760	5,782	5,886	5,947	5,900
Percent of population	75.5	74.5	75.2	74.6	74.8	74.6	74.5	74.3	74.3	74.2	75.0	75.4	74.5
Employed	4,581	4,669	4,813	4,813	4,878	4,979	4,946	4,985	5,031	5,002	5,130	5,180	5,121
Employment-population ratio ²	62.0	62.8	63.9	63.5	64.0	64.9	64.5	64.6	64.9	64.2	65.4	65.7	64.6
Unemployed	996	866	846	834	824	749	771	748	729	781	756	766	779
Unemployment rate	17.9	15.6	14.9	14.8	14.5	13.1	13.5	13.1	12.7	13.5	12.8	12.9	13.2
Women, 20 years and over													
Civilian labor force	5,329	5,293	5,373	5,480	5,565	5,661	5,685	5,727	5,707	5,791	5,777	5,869	5,842
Percent of population	56.9	56.2	56.5	57.3	57.9	58.5	58.6	58.8	58.3	58.8	58.5	59.1	58.6
Employed	4,477	4,468	4,605	4,751	4,826	4,911	4,932	4,976	4,952	5,050	5,072	5,122	5,123
Employment-population ratio ²	47.8	47.4	48.4	49.7	50.2	50.8	50.9	51.1	50.5	51.3	51.4	51.6	51.4
Unemployed	852	826	769	729	738	751	752	751	755	740	705	747	719
Unemployment rate	16.0	15.6	14.3	13.3	13.3	13.3	13.2	13.1	13.2	12.8	12.2	12.7	12.3

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-44. 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	1983		1984				1985				1986		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	817	789	784	820	850	853	897	891	873	891	920	943	826
Percent of population	36.8	35.8	35.9	37.8	39.5	39.9	41.3	41.2	40.5	41.4	43.0	44.2	38.7
Employed	405	414	429	473	492	503	523	537	537	528	537	554	505
Employment-population ratio ²	18.2	18.8	19.6	21.8	22.9	23.6	24.1	24.8	24.9	24.6	25.1	26.0	23.7
Unemployed	412	375	356	347	358	350	374	354	336	362	383	389	321
Unemployment rate	50.4	47.6	45.3	42.4	42.2	41.0	41.7	39.7	38.5	40.7	41.6	41.2	38.8
Men	52.0	44.3	45.3	41.4	41.4	42.9	42.0	39.9	39.7	42.3	41.4	40.3	39.3
Women	48.6	51.2	45.4	43.5	42.9	38.9	41.4	39.6	37.0	38.8	41.8	42.2	38.3
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	11,086	11,198	11,311	11,423	11,533	11,643	11,753	11,862	11,969	12,075	12,184	12,290	12,397
Civilian labor force	7,083	7,141	7,283	7,403	7,496	7,610	7,573	7,631	7,779	7,803	7,883	8,029	8,132
Percent of population	63.9	63.8	64.4	64.8	65.0	65.4	64.4	64.3	65.0	64.6	64.7	65.3	65.6
Employed	6,179	6,283	6,472	6,600	6,708	6,815	6,794	6,825	6,956	6,966	7,024	7,173	7,250
Employment-population ratio ²	55.7	56.1	57.2	57.8	58.2	58.5	57.8	57.5	58.1	57.7	57.7	58.4	58.5
Unemployed	904	858	811	803	788	795	778	805	823	837	859	856	882
Unemployment rate	12.8	12.0	11.1	10.8	10.5	10.5	10.3	10.6	10.6	10.7	10.9	10.7	10.8

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional population.

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-45. Employed and unemployed full- and part-time workers by sex, and age, seasonally adjusted

(In thousands)

Full- and part- time status, sex, and age	1983		1984				1985				1986		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
EMPLOYED													
Full-time workers	82,944	84,004	85,205	86,454	86,979	87,459	88,065	88,420	88,433	89,245	89,815	90,093	90,931
Men, 16 years and over	50,922	51,658	52,393	53,037	53,329	53,520	53,628	53,825	53,854	54,139	54,607	54,489	54,762
Men, 20 years and over	49,601	50,189	50,959	51,574	51,871	52,068	52,175	52,351	52,436	52,730	53,236	53,128	53,364
Women, 16 years and over	31,920	32,394	32,844	33,425	33,667	33,967	34,400	34,552	34,602	35,141	35,199	35,567	36,193
Women, 20 years and over	30,950	31,368	31,802	32,367	32,569	32,880	33,320	33,482	33,526	34,089	34,183	34,479	35,161
Both sexes, 16 to 19 years	2,394	2,447	2,444	2,513	2,539	2,511	2,570	2,587	2,471	2,426	2,395	2,486	2,406
Part-time workers	18,822	18,545	18,450	18,539	18,356	18,481	18,597	18,398	18,703	18,759	18,976	19,131	18,984
Men, 16 years and over	6,280	6,140	6,088	6,000	5,930	6,061	6,035	5,974	6,049	6,053	6,158	6,233	6,134
Men, 20 years and over	4,293	4,236	4,209	4,126	4,066	4,166	4,125	4,100	4,134	4,186	4,261	4,307	4,146
Women, 16 years and over	12,530	12,425	12,361	12,516	12,448	12,436	12,557	12,399	12,671	12,721	12,813	12,870	12,849
Women, 20 years and over	10,413	10,402	10,314	10,428	10,382	10,421	10,482	10,417	10,640	10,659	10,704	10,798	10,754
Both sexes, 16 to 19 years	4,116	3,906	3,927	3,985	3,908	3,893	3,990	3,881	3,930	3,914	4,011	4,026	4,084
UNEMPLOYED													
Looking for full-time work	8,868	7,990	7,368	6,997	6,949	6,861	6,891	6,810	6,783	6,674	6,758	6,859	6,651
Men, 16 years and over	5,376	4,824	4,381	4,111	4,077	3,988	3,947	3,942	3,929	3,877	3,865	3,993	3,901
Men, 20 years and over	4,846	4,344	3,894	3,670	3,617	3,505	3,528	3,518	3,447	3,411	3,488	3,541	3,491
Women, 16 years and over	3,419	3,125	3,000	2,902	2,875	2,893	2,907	2,863	2,867	2,818	2,851	2,875	2,755
Women, 20 years and over	2,952	2,729	2,626	2,532	2,537	2,532	2,565	2,566	2,553	2,463	2,516	2,544	2,447
Both sexes, 16 to 19 years	1,071	916	848	795	795	824	798	726	784	801	754	773	713
Looking for part-time work	1,620	1,577	1,486	1,494	1,514	1,432	1,501	1,569	1,505	1,503	1,488	1,562	1,555
Men, 16 years and over	677	634	625	631	587	570	580	630	584	591	565	639	651
Men, 20 years and over	276	263	252	253	237	246	231	255	234	226	219	249	256
Women, 16 years and over	939	935	862	870	926	857	920	944	922	909	914	932	902
Women, 20 years and over	563	578	523	537	579	564	579	608	602	580	565	562	579
Both sexes, 16 to 19 years	781	736	710	704	698	623	691	705	669	697	704	751	720

NOTE: 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; unemployed persons are classified according to whether they are seeking full- or part-time jobs.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-46. Employed civilians by selected social and economic categories, seasonally adjusted

(In thousands)

Category	1983		1984				1985				1986		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
CHARACTERISTIC													
Total	101,619	102,600	103,671	105,024	105,368	105,959	106,618	106,804	107,200	107,996	108,768	109,225	109,976
Married men, spouse present	38,331	38,401	38,778	39,040	39,153	39,254	39,398	39,196	39,114	39,288	39,454	39,598	39,650
Married women, spouse present	24,829	24,996	25,171	25,666	25,745	25,945	26,071	26,099	26,413	26,742	26,736	27,050	27,388
Women who maintain families	5,084	5,284	5,374	5,538	5,527	5,428	5,567	5,624	5,597	5,604	5,735	5,732	5,861
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,634	1,511	1,506	1,574	1,535	1,610	1,597	1,588	1,458	1,525	1,627	1,522	1,485
Self-employed workers	1,547	1,556	1,595	1,552	1,563	1,506	1,511	1,481	1,444	1,402	1,463	1,489	1,426
Unpaid family workers	247	241	211	220	213	209	225	191	175	165	164	173	168
Nonagricultural industries:													
Wage and salary workers	90,183	91,134	92,257	93,500	93,905	94,561	95,309	95,515	95,953	96,709	97,709	98,066	98,537
Government	15,596	15,576	15,699	15,751	15,765	15,864	15,915	15,964	16,056	16,188	16,205	16,300	16,478
Private industries	74,587	75,558	76,559	77,748	78,140	78,697	79,394	79,551	79,897	80,521	81,503	81,766	82,060
Private households	1,275	1,245	1,201	1,313	1,203	1,234	1,292	1,234	1,271	1,200	1,222	1,292	1,246
Other industries	73,312	74,313	75,358	76,435	76,936	77,463	78,101	78,317	78,626	79,321	80,281	80,474	80,814
Self-employed workers	7,650	7,737	7,805	7,820	7,775	7,742	7,737	7,719	7,815	7,969	7,656	7,712	7,997
Unpaid family workers	366	423	338	339	324	338	331	296	282	249	261	239	271
PERSONS AT WORK PART TIME¹													
All industries:													
Part time for economic reasons	6,203	6,016	5,846	5,745	5,658	5,717	5,559	5,703	5,610	5,489	5,486	5,813	5,462
Slack work	2,743	2,548	2,468	2,315	2,386	2,533	2,434	2,566	2,442	2,287	2,355	2,565	2,464
Could only find part-time work	3,062	3,147	3,083	3,054	2,852	2,840	2,803	2,796	2,805	2,881	2,846	2,892	2,700
Voluntary part time	13,070	13,108	13,016	13,308	13,163	13,181	13,461	13,291	13,584	13,638	13,843	13,946	13,958
Nonagricultural industries:													
Part time for economic reasons	5,921	5,764	5,635	5,483	5,425	5,500	5,304	5,410	5,347	5,277	5,245	5,538	5,249
Slack work	2,574	2,417	2,337	2,178	2,240	2,394	2,263	2,377	2,287	2,169	2,197	2,420	2,312
Could only find part-time work	2,968	3,036	2,989	2,957	2,786	2,765	2,712	2,713	2,719	2,782	2,758	2,788	2,650
Voluntary part time	12,536	12,613	12,524	12,855	12,709	12,722	12,977	12,844	13,156	13,198	13,365	13,523	13,602

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

A-47. Employed civilians by sex and age, seasonally adjusted

(In thousands)

Sex and age	1983		1984				1985				1986		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
Total, 16 years and over	101,619	102,600	103,671	105,024	105,368	105,959	106,618	106,804	107,200	107,996	108,768	109,225	109,976
16 to 24 years	20,257	20,297	20,517	20,803	20,597	20,698	20,658	20,418	20,303	20,306	20,416	20,255	20,228
16 to 19 years	6,391	6,412	6,410	6,502	6,437	6,445	6,568	6,418	6,393	6,371	6,423	6,473	6,493
16 to 17 years	2,315	2,338	2,340	2,418	2,412	2,449	2,548	2,468	2,487	2,470	2,567	2,630	2,616
18 to 19 years	4,084	4,071	4,083	4,084	4,012	3,986	4,025	3,950	3,892	3,903	3,899	3,841	3,845
20 to 24 years	13,866	13,885	14,107	14,301	14,160	14,253	14,090	14,000	13,910	13,935	13,993	13,782	13,734
25 years and over	81,358	82,283	83,176	84,217	84,771	85,242	85,979	86,383	86,909	87,673	88,335	88,981	89,783
25 to 54 years	67,097	67,951	68,899	69,981	70,544	71,064	71,637	72,084	72,664	73,405	74,125	74,558	75,400
55 years and over	14,266	14,347	14,243	14,240	14,240	14,192	14,308	14,298	14,246	14,294	14,199	14,399	14,399
Men, 16 years and over	57,188	57,791	58,497	59,033	59,249	59,582	59,698	59,795	59,901	60,176	60,790	60,722	60,914
16 to 24 years	10,644	10,711	10,840	10,999	10,826	10,918	10,791	10,713	10,610	10,572	10,701	10,513	10,567
16 to 19 years	3,325	3,364	3,308	3,350	3,298	3,348	3,393	3,356	3,305	3,267	3,274	3,301	3,363
16 to 17 years	1,217	1,219	1,221	1,239	1,238	1,279	1,313	1,301	1,296	1,292	1,315	1,366	1,362
18 to 19 years	2,116	2,143	2,093	2,110	2,050	2,061	2,074	2,060	2,005	1,978	1,981	1,935	1,985
20 to 24 years	7,319	7,348	7,532	7,649	7,528	7,570	7,398	7,358	7,306	7,306	7,427	7,212	7,204
25 years and over	46,538	47,060	47,676	48,038	48,418	48,646	48,926	49,083	49,295	49,588	50,086	50,223	50,361
25 to 54 years	38,065	38,569	39,221	39,652	40,020	40,299	40,445	40,634	40,858	41,156	41,672	41,745	42,004
55 years and over	8,484	8,506	8,430	8,389	8,405	8,364	8,452	8,450	8,433	8,456	8,403	8,466	8,346
Women, 16 years and over	44,431	44,809	45,174	45,991	46,119	46,377	46,919	47,009	47,299	47,820	47,978	48,503	49,062
16 to 24 years	9,613	9,586	9,677	9,804	9,771	9,780	9,867	9,704	9,693	9,734	9,715	9,741	9,660
16 to 19 years	3,066	3,048	3,102	3,152	3,139	3,097	3,175	3,062	3,089	3,104	3,149	3,171	3,130
16 to 17 years	1,098	1,119	1,119	1,179	1,175	1,170	1,235	1,167	1,191	1,178	1,253	1,264	1,254
18 to 19 years	1,968	1,928	1,990	1,974	1,962	1,925	1,951	1,891	1,887	1,925	1,908	1,905	1,860
20 to 24 years	6,547	6,538	6,575	6,652	6,632	6,683	6,692	6,642	6,604	6,629	6,567	6,570	6,531
25 years and over	34,820	35,223	35,500	36,179	36,353	36,596	37,054	37,300	37,614	38,085	38,249	38,758	39,422
25 to 54 years	29,031	29,382	29,678	30,329	30,524	30,765	31,192	31,449	31,807	32,249	32,453	32,813	33,395
55 years and over	5,803	5,840	5,813	5,850	5,835	5,828	5,857	5,848	5,812	5,838	5,795	5,932	6,053

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-48. Unemployed persons by sex and age, seasonally adjusted

(In thousands)

Sex and age	1983		1984				1985				1986		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
Total, 16 years and over	10,471	9,541	8,865	8,517	8,444	8,276	8,406	8,402	8,268	8,162	8,259	8,446	8,182
16 to 24 years	4,091	3,714	3,471	3,367	3,305	3,201	3,252	3,230	3,148	3,189	3,120	3,259	3,073
16 to 19 years	1,842	1,647	1,562	1,514	1,478	1,443	1,493	1,448	1,434	1,496	1,460	1,542	1,422
16 to 17 years	750	687	674	647	643	620	663	664	635	686	669	693	646
18 to 19 years	1,080	970	886	869	825	836	827	786	792	821	789	849	764
20 to 24 years	2,249	2,067	1,909	1,853	1,828	1,758	1,760	1,781	1,713	1,693	1,660	1,717	1,651
25 years and over	6,375	5,823	5,396	5,157	5,137	5,067	5,155	5,179	5,126	4,960	5,139	5,197	5,119
25 to 54 years	5,627	5,079	4,723	4,492	4,490	4,397	4,551	4,558	4,505	4,362	4,529	4,652	4,537
55 years and over	763	726	677	666	653	652	611	629	625	577	621	560	576
Men, 16 years and over	6,142	5,487	4,985	4,738	4,658	4,543	4,555	4,568	4,497	4,454	4,464	4,633	4,537
16 to 24 years	2,352	2,076	1,907	1,841	1,831	1,752	1,766	1,776	1,734	1,720	1,646	1,782	1,692
16 to 19 years	1,020	888	840	810	801	796	798	790	816	821	759	837	787
16 to 17 years	412	372	359	354	345	335	358	372	356	368	357	357	362
18 to 19 years	597	522	481	460	447	468	440	420	451	459	403	482	413
20 to 24 years	1,332	1,188	1,067	1,031	1,030	956	968	986	919	899	887	945	905
25 years and over	3,793	3,411	3,078	2,893	2,830	2,790	2,791	2,785	2,770	2,730	2,818	2,848	2,849
25 to 54 years	3,316	2,935	2,655	2,502	2,422	2,378	2,432	2,433	2,406	2,360	2,457	2,519	2,491
55 years and over	483	460	423	402	407	393	363	370	363	351	368	347	356
Women, 16 years and over	4,329	4,055	3,880	3,779	3,786	3,733	3,851	3,835	3,771	3,708	3,795	3,814	3,645
16 to 24 years	1,739	1,638	1,563	1,526	1,474	1,449	1,487	1,453	1,413	1,469	1,474	1,476	1,381
16 to 19 years	823	759	721	704	677	647	695	658	619	675	701	705	635
16 to 17 years	338	315	315	293	298	285	305	292	279	318	311	336	284
18 to 19 years	483	448	405	409	378	368	387	365	341	362	387	368	351
20 to 24 years	917	879	842	822	798	802	792	795	795	795	773	772	747
25 years and over	2,582	2,412	2,318	2,264	2,307	2,277	2,364	2,394	2,356	2,230	2,320	2,349	2,270
25 to 54 years	2,311	2,144	2,068	1,990	2,068	2,018	2,119	2,125	2,099	2,003	2,071	2,133	2,047
55 years and over	281	266	255	264	246	259	248	259	262	226	253	213	220

A-49. Unemployment rates by sex and age, seasonally adjusted

(Civilian workers)

Sex and age	1983		1984				1985				1986		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
Total, 16 years and over	9.3	8.5	7.9	7.5	7.4	7.2	7.3	7.3	7.2	7.0	7.1	7.2	6.9
16 to 24 years	16.8	15.5	14.5	13.9	13.8	13.4	13.6	13.7	13.4	13.6	13.3	13.9	13.2
16 to 19 years	22.4	20.4	19.6	18.9	18.7	18.3	18.5	18.4	18.3	19.0	18.5	19.2	18.0
16 to 17 years	24.5	22.7	22.4	21.1	21.0	20.2	20.7	21.2	20.3	21.7	20.7	20.9	19.8
18 to 19 years	20.9	19.2	17.8	17.5	17.1	17.3	17.0	16.6	16.9	17.4	16.9	18.1	16.6
20 to 24 years	14.0	13.0	11.9	11.5	11.4	11.0	11.1	11.3	11.0	10.8	10.6	11.1	10.7
25 years and over	7.3	6.6	6.1	5.8	5.7	5.6	5.7	5.7	5.6	5.4	5.5	5.5	5.4
25 to 54 years	7.7	7.0	6.4	6.0	6.0	5.8	6.0	5.9	5.8	5.6	5.8	5.9	5.7
55 years and over	5.1	4.8	4.5	4.5	4.4	4.4	4.1	4.2	4.2	3.9	4.2	3.7	3.8
Men, 16 years and over	9.7	8.7	7.9	7.4	7.3	7.1	7.1	7.1	7.0	6.9	6.8	7.1	6.9
16 to 24 years	18.1	16.2	15.0	14.3	14.5	13.8	14.1	14.2	14.0	14.0	13.3	14.5	13.8
16 to 19 years	23.5	20.9	20.3	19.5	19.5	19.2	19.0	19.1	19.8	20.1	18.8	20.2	19.0
16 to 17 years	25.3	23.4	22.7	22.2	21.8	20.8	21.4	22.2	21.6	22.2	21.4	20.7	21.0
18 to 19 years	22.0	19.6	18.7	17.9	17.9	18.5	17.5	16.9	18.4	18.8	16.9	19.9	17.2
20 to 24 years	15.4	13.9	12.4	11.9	12.0	11.2	11.6	11.8	11.2	11.0	10.7	11.6	11.2
25 years and over	7.5	6.8	6.1	5.7	5.5	5.4	5.4	5.4	5.3	5.2	5.3	5.4	5.4
25 to 54 years	8.0	7.1	6.3	5.9	5.7	5.6	5.7	5.6	5.6	5.4	5.6	5.7	5.6
55 years and over	5.4	5.1	4.8	4.6	4.6	4.5	4.1	4.2	4.1	4.0	4.2	3.9	4.1
Women, 16 years and over	8.9	8.3	7.9	7.6	7.6	7.5	7.6	7.5	7.4	7.2	7.3	7.3	6.9
16 to 24 years	15.3	14.6	13.9	13.5	13.1	12.9	13.1	13.0	12.7	13.1	13.2	13.2	12.5
16 to 19 years	21.2	19.9	18.9	18.3	17.7	17.3	18.0	17.7	16.7	17.9	18.2	18.2	16.9
16 to 17 years	23.5	22.0	22.0	19.9	20.2	19.6	19.8	20.0	19.0	21.3	19.9	21.0	18.5
18 to 19 years	19.7	18.9	16.9	17.2	16.2	16.0	16.6	16.2	15.3	15.8	16.9	16.2	15.9
20 to 24 years	12.3	11.9	11.4	11.0	10.7	10.7	10.6	10.7	10.7	10.7	10.5	10.5	10.3
25 years and over	6.9	6.4	6.1	5.9	6.0	5.9	6.0	6.0	5.9	5.5	5.7	5.7	5.4
25 to 54 years	7.4	6.8	6.5	6.2	6.3	6.2	6.4	6.3	6.2	5.8	6.0	6.1	5.8
55 years and over	4.6	4.4	4.2	4.3	4.0	4.2	4.1	4.2	4.3	3.7	4.2	3.5	3.5

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-50. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1983		1984				1985				1986		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
CHARACTERISTIC													
Total (all civilian workers)	9.3	8.5	7.9	7.5	7.4	7.2	7.3	7.3	7.2	7.0	7.1	7.2	6.9
Men, 20 years and over	8.7	7.8	7.0	6.6	6.4	6.2	6.3	6.3	6.1	6.0	6.1	6.2	6.1
Women, 20 years and over	7.8	7.3	7.0	6.7	6.7	6.7	6.7	6.7	6.7	6.4	6.5	6.4	6.2
Both sexes, 16 to 19 years	22.4	20.4	19.6	18.9	18.7	18.3	18.5	18.4	18.3	19.0	18.5	19.2	18.0
White	8.1	7.4	6.8	6.4	6.3	6.3	6.3	6.3	6.2	6.0	6.1	6.2	6.0
Black and other	17.6	16.3	15.2	14.4	14.3	13.7	14.0	13.6	13.3	13.7	13.1	13.6	13.0
Black	19.3	17.8	16.7	16.0	15.9	15.1	15.4	15.0	14.8	15.1	14.6	14.9	14.5
Hispanic origin	12.8	12.0	11.1	10.8	10.5	10.5	10.3	10.6	10.6	10.7	10.9	10.7	10.8
Married men, spouse present	6.1	5.5	4.9	4.6	4.5	4.5	4.4	4.3	4.3	4.2	4.4	4.4	4.3
Married women, spouse present	6.8	6.3	5.9	5.7	5.8	5.6	5.7	5.8	5.6	5.4	5.4	5.3	5.1
Women who maintain families	11.9	10.9	10.8	10.1	10.0	10.4	10.4	10.5	10.8	9.9	10.0	9.9	9.9
Full-time workers	9.2	8.3	7.6	7.2	7.1	7.0	7.0	6.9	6.8	6.7	6.7	6.8	6.6
Part-time workers	10.1	9.9	9.4	9.3	9.5	9.0	9.2	9.7	9.2	9.2	9.0	9.3	9.2
Unemployed 15 weeks and over ¹	3.7	3.1	2.7	2.5	2.3	2.1	2.0	2.0	2.0	1.9	1.9	1.9	2.0
Labor force time lost ²	10.5	9.8	9.0	8.6	8.4	8.3	8.2	8.2	8.1	7.9	8.0	8.2	7.8
INDUSTRY													
Nonagricultural private wage and salary workers	9.5	8.6	7.8	7.4	7.4	7.2	7.3	7.3	7.2	7.0	7.0	7.2	7.0
Mining	16.4	12.2	11.3	8.7	9.0	10.8	10.6	9.6	9.2	8.5	10.1	14.7	15.7
Construction	17.8	15.7	14.6	14.9	14.1	13.7	13.4	12.6	13.4	13.2	13.0	12.5	12.7
Manufacturing	10.6	8.9	7.9	7.4	7.4	7.3	7.6	7.8	7.8	7.5	7.2	7.2	6.9
Durable goods	11.3	9.2	7.8	7.2	6.8	7.1	7.3	7.8	7.8	7.4	7.1	7.1	6.7
Nondurable goods	9.6	8.6	7.9	7.6	8.2	7.6	8.0	7.8	7.8	7.6	7.3	7.3	7.2
Transportation and public utilities	7.2	6.7	5.5	5.5	5.9	5.2	5.0	5.3	5.2	5.1	5.2	5.5	5.1
Wholesale and retail trade	9.7	9.2	8.3	8.0	7.8	7.6	7.6	7.6	7.7	7.6	7.5	8.0	7.6
Finance and service industries	7.1	6.7	6.3	5.7	5.8	5.8	5.8	5.8	5.5	5.4	5.6	5.6	5.7
Agricultural wage and salary workers	15.3	15.6	14.7	13.2	13.7	12.4	13.9	12.5	13.8	12.0	12.3	14.1	13.0

¹ Unemployment as a percent of the civilian labor force.

for economic reasons as a percent of potentially available labor force hours.

² Aggregate hours lost by the unemployed and persons on part time

A-51. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

Weeks of unemployment	1983		1984				1985				1986		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
DURATION													
Less than 5 weeks	3,611	3,423	3,325	3,284	3,418	3,388	3,561	3,534	3,477	3,423	3,487	3,572	3,409
5 to 14 weeks	2,871	2,627	2,516	2,393	2,464	2,421	2,505	2,549	2,509	2,481	2,568	2,710	2,466
15 weeks and over	4,098	3,511	3,032	2,782	2,616	2,445	2,353	2,325	2,303	2,223	2,218	2,221	2,318
15 to 26 weeks	1,569	1,330	1,154	1,116	1,089	1,019	1,019	1,042	1,053	975	1,072	1,036	1,089
27 weeks and over	2,529	2,181	1,878	1,667	1,527	1,426	1,334	1,283	1,250	1,249	1,146	1,185	1,230
Average (mean) duration, in weeks	20.6	19.8	19.5	18.4	17.6	17.0	15.9	15.5	15.5	15.5	14.9	14.6	15.5
Median duration, in weeks	9.6	9.1	8.6	8.3	7.5	7.2	7.0	6.8	7.1	6.9	6.8	6.8	7.2
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	34.1	35.8	37.5	38.8	40.2	41.0	42.3	42.0	41.9	42.1	42.2	42.0	41.6
5 to 14 weeks	27.1	27.5	28.4	28.3	29.0	29.3	29.8	30.3	30.3	30.5	31.0	31.9	30.1
15 weeks and over	38.7	36.7	34.2	32.9	30.8	29.6	28.0	27.7	27.8	27.4	26.8	26.1	28.3
15 to 26 weeks	14.8	13.9	13.0	13.2	12.8	12.3	12.1	12.4	12.7	12.0	13.0	12.2	13.3
27 weeks and over	23.9	22.8	21.2	19.7	18.0	17.3	15.8	15.3	15.1	15.4	13.8	13.9	15.0

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-52. Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reasons for unemployment	1983		1984				1985				1986		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
NUMBER OF UNEMPLOYED													
Job losers	6,057	5,266	4,721	4,417	4,269	4,209	4,228	4,130	4,164	4,018	4,062	4,227	3,937
On layoff	1,646	1,351	1,244	1,153	1,153	1,110	1,191	1,128	1,138	1,156	1,160	1,075	1,027
Other job losers	4,411	3,914	3,477	3,264	3,116	3,099	3,037	3,002	3,026	2,862	2,902	3,151	2,910
Job leavers	796	850	792	805	842	849	869	902	874	865	1,000	1,033	1,018
Reentrants	2,419	2,277	2,183	2,141	2,230	2,193	2,260	2,298	2,237	2,229	2,185	2,157	2,191
New entrants	1,229	1,155	1,164	1,157	1,087	1,034	1,058	1,070	986	1,044	1,041	1,060	1,003
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	57.7	55.1	53.3	51.8	50.6	50.8	50.2	49.2	50.4	49.3	49.0	49.9	48.3
On layoff	15.7	14.2	14.0	13.5	13.7	13.4	14.2	13.4	13.8	14.2	14.0	12.7	12.6
Other job losers	42.0	41.0	39.2	38.3	37.0	37.4	36.1	35.7	36.6	35.1	35.0	37.2	35.7
Job leavers	7.6	8.9	8.9	9.4	10.0	10.2	10.3	10.7	10.6	10.6	12.1	12.2	12.5
Reentrants	23.0	23.9	24.6	25.1	26.5	26.5	26.9	27.4	27.1	27.3	26.4	25.4	26.9
New entrants	11.7	12.1	13.1	13.6	12.9	12.5	12.6	12.7	11.9	12.8	12.6	12.5	12.3
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	5.4	4.7	4.2	3.9	3.8	3.7	3.7	3.6	3.6	3.5	3.5	3.6	3.3
Job leavers .....	.7	.8	.7	.7	.7	.7	.8	.8	.8	.7	.9	.9	.9
Reentrants	2.2	2.0	1.9	1.9	2.0	1.9	2.0	2.0	1.9	1.9	1.9	1.8	1.9
New entrants	1.1	1.0	1.0	1.0	1.0	.9	.9	.9	.9	.9	.9	.9	.8

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-53. Persons not in the labor force by reason, sex, and race, seasonally adjusted

(In thousands)

Reason, sex, and race	1983		1984				1985				1986		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
TOTAL													
Total not in labor force	62,359	62,808	63,143	62,584	62,783	62,898	62,498	62,740	62,946	62,783	62,798	62,650	62,677
Do not want a job now	55,758	56,525	56,812	56,478	57,216	56,761	56,803	56,927	56,788	56,721	57,254	56,931	56,835
Current activity:													
Going to school	6,362	6,548	6,662	6,503	6,882	6,351	6,283	6,260	6,266	6,314	6,241	6,589	6,139
Ill, disabled	3,846	3,874	4,021	4,088	4,068	3,811	4,047	3,836	3,862	3,923	4,206	4,047	4,142
Keeping house	28,312	28,455	28,466	27,912	27,992	27,853	27,424	27,298	26,999	26,822	26,813	26,528	26,135
Retired	12,963	13,169	13,448	13,656	13,701	14,304	14,304	14,688	15,156	15,299	15,069	15,298	15,911
Other activity	4,274	4,479	4,215	4,319	4,573	4,442	4,744	4,845	4,505	4,362	4,926	4,468	4,508
Want a job now	6,713	6,231	6,236	6,006	5,932	6,082	5,853	5,791	6,040	6,023	5,794	5,880	6,010
Reason not looking:													
School attendance	1,764	1,529	1,549	1,612	1,500	1,475	1,464	1,444	1,447	1,473	1,439	1,365	1,619
Ill health, disability	829	807	744	821	813	816	762	813	786	851	836	911	905
Home responsibilities	1,431	1,368	1,499	1,222	1,416	1,365	1,251	1,263	1,355	1,391	1,394	1,306	1,162
Think cannot get a job	1,627	1,443	1,337	1,284	1,225	1,292	1,239	1,151	1,246	1,187	1,097	1,101	1,169
Job-market factors	1,196	1,040	938	939	875	930	857	813	824	794	764	753	748
Personal factors	430	403	399	344	350	363	382	338	422	392	333	347	422
Other reasons ¹	1,061	1,083	1,106	1,067	978	1,134	1,137	1,120	1,206	1,121	1,027	1,197	1,155
Men													
Total not in labor force	19,312	19,608	19,789	19,709	19,794	19,845	19,889	19,982	20,166	20,195	20,164	20,313	20,471
Do not want a job now	16,987	17,496	17,644	17,676	17,872	17,772	18,058	18,025	18,053	18,105	18,350	18,535	18,367
Want a job now	2,350	2,130	2,073	2,031	1,930	2,004	1,932	2,002	2,010	2,022	1,942	1,957	2,110
Reason not looking:													
School attendance	1,014	818	824	794	739	733	704	721	694	695	741	659	862
Ill health, disability	370	356	354	373	385	384	349	363	363	400	350	496	438
Think cannot get a job	618	604	495	497	471	502	496	504	492	525	428	386	419
Other reasons ¹	348	352	400	367	335	386	383	414	461	403	424	416	392
Women													
Total not in labor force	43,048	43,200	43,354	42,875	42,990	43,053	42,609	42,758	42,779	42,588	42,636	42,337	42,206
Do not want a job now	38,771	39,030	39,167	38,802	39,344	38,989	38,744	38,902	38,735	38,616	38,904	38,396	38,468
Want a job now	4,363	4,101	4,163	3,975	4,002	4,078	3,921	3,788	4,029	4,001	3,852	3,923	3,900
Reason not looking:													
School attendance	750	711	726	819	761	742	761	723	753	778	699	706	757
Ill health, disability	459	451	390	448	428	432	414	449	423	452	487	415	467
Home responsibilities	1,431	1,368	1,499	1,222	1,416	1,365	1,251	1,263	1,355	1,391	1,394	1,306	1,162
Think cannot get a job	1,009	839	842	787	754	791	742	647	754	662	670	715	751
Other reasons	713	731	706	700	643	748	754	706	745	719	603	782	763
White													
Total not in labor force	53,512	53,665	54,106	53,621	53,877	53,868	53,585	53,819	53,925	53,689	53,746	53,666	53,530
Do not want a job now	48,835	49,194	49,626	49,319	49,562	49,529	49,260	49,613	49,384	49,344	49,542	49,365	49,165
Want a job now	4,722	4,543	4,443	4,273	4,262	4,379	4,340	4,266	4,507	4,400	4,247	4,381	4,381
Reason not looking:													
School attendance	1,158	1,093	1,083	1,108	1,075	1,044	1,051	996	1,110	1,053	996	960	1,159
Ill health, disability	614	605	556	563	592	589	548	560	594	601	624	621	628
Home responsibilities	1,034	1,009	1,083	901	1,023	1,038	957	1,027	991	1,028	1,039	1,060	853
Think cannot get a job	1,068	989	888	820	791	788	861	752	815	814	736	725	802
Other reasons ¹	847	848	833	881	781	920	923	932	998	903	852	1,015	938
Black													
Total not in labor force	7,246	7,440	7,405	7,356	7,270	7,239	7,244	7,269	7,361	7,326	7,280	7,187	7,460
Do not want a job now	5,517	5,965	5,855	5,840	5,789	5,748	5,904	5,906	5,977	5,925	5,953	5,905	6,064
Want a job now	1,693	1,510	1,600	1,501	1,453	1,507	1,361	1,353	1,332	1,428	1,371	1,282	1,421
Reason not looking:													
School attendance	482	409	419	412	354	370	389	382	318	344	411	323	454
Ill health, disability	208	180	175	215	221	211	202	214	198	239	198	225	258
Home responsibilities	343	314	347	295	331	289	252	260	294	308	286	269	258
Think cannot get a job	488	429	411	405	368	472	351	342	347	358	325	286	272
Other reasons ¹	171	177	248	174	180	164	167	155	176	180	151	180	179

¹ Includes small number of men not looking for work because of "home responsibilities."

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-54. Persons not in the labor force by reason, sex, and age

(In thousands)

Reason and sex	Total		Age							
	III 1985	III 1986	16 to 19 years		20 to 24 years		25 to 59 years		60 years and over	
			III 1985	III 1986	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986
TOTAL										
Total not in labor force	61,725	61,496	5,638	5,625	3,986	3,692	21,776	21,501	30,324	30,678
Do not want a job now	55,960	55,875	4,631	4,602	3,077	2,857	18,526	18,343	29,726	30,068
Current activity:										
Going to school	3,573	3,433	2,107	2,083	894	794	557	551	12	4
Ill, disabled	3,834	4,084	20	46	117	104	1,902	1,998	1,796	1,935
Keeping house	26,975	26,110	478	460	1,316	1,247	12,844	12,594	12,338	11,807
Retired	15,270	16,029	-	-	-	-	396	462	14,874	15,567
Other activity	6,308	6,218	2,026	2,013	750	712	2,827	2,738	706	755
Want a job now	5,765	5,622	1,009	1,023	909	835	3,251	3,152	599	610
Reason for not looking:										
School attendance	800	885	454	482	171	205	164	196	13	3
Ill health, disability	776	896	28	34	77	72	518	614	153	175
Home responsibilities	1,544	1,323	80	74	276	210	1,135	1,012	54	28
Think cannot get a job	1,240	1,177	212	200	177	171	662	605	189	202
Job-market factors	828	763	146	103	125	140	456	430	101	89
Personal factors	412	414	66	98	53	31	205	177	89	112
Other reasons ¹	1,404	1,340	235	233	208	177	772	725	190	202
Men										
Total not in labor force	19,227	19,577	2,595	2,609	1,224	1,108	3,794	4,001	11,614	11,859
Do not want a job now	17,450	17,817	2,127	2,110	930	848	3,052	3,272	11,337	11,593
Current activity:										
Going to school	1,812	1,680	1,076	1,020	482	423	249	238	2	-
Ill, disabled	2,001	2,176	5	22	67	49	1,081	1,154	849	952
Keeping house	355	395	28	39	12	22	113	136	202	201
Retired	10,148	10,337	-	-	-	-	307	388	9,840	9,949
Other activity	3,134	3,229	1,018	1,029	369	354	1,302	1,356	444	491
Want a job now	1,776	1,760	468	496	295	259	738	729	276	266
Reason for not looking:										
School attendance	362	448	224	252	72	101	60	91	7	3
Ill health, disability	358	433	18	22	42	52	232	272	66	85
Think cannot get a job	502	430	102	107	92	52	211	191	95	79
Other reasons ¹	554	449	124	115	89	54	235	175	108	99
Women										
Total not in labor force	42,498	41,919	3,043	3,016	2,762	2,585	17,982	17,499	18,711	18,820
Do not want a job now	38,509	38,057	2,502	2,492	2,149	2,008	15,471	15,075	18,390	18,478
Current activity:										
Going to school	1,761	1,753	1,031	1,062	413	371	309	313	10	4
Ill, disabled	1,832	1,908	14	24	50	54	820	845	948	984
Keeping house	26,620	25,715	449	422	1,305	1,225	12,730	12,461	12,136	11,607
Retired	5,122	5,692	-	-	-	-	88	74	5,034	5,618
Other activity	3,174	2,989	1,008	984	381	358	1,524	1,382	262	265
Want a job now	3,989	3,862	542	524	614	576	2,511	2,422	322	342
Reason not looking:										
School attendance	438	437	230	230	99	104	103	105	6	-
Ill health, disability	419	463	11	12	35	20	287	341	86	90
Home responsibilities	1,544	1,323	80	74	276	210	1,135	1,012	54	28
Think cannot get a job	738	747	110	93	85	119	449	415	94	121
Other reasons	850	891	111	115	119	123	537	549	82	103

¹ Includes small number of men not looking for work because of "home responsibilities."

force totals because of differences in the weighting patterns used in aggregating these data.

NOTE: Detail in tables A-54 and A-55 may not add to not-in-labor-

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-55. Persons not in the labor force by reason, race, Hispanic origin, age, and sex

(In thousands)

Reason, race, and Hispanic origin	Total		Age						Sex			
	III 1985	III 1986	16 to 24 years		25 to 59 years		60 years and over		Men		Women	
			III 1985	III 1986	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986
WHITE												
Total not in labor force	52,959	52,562	7,325	7,046	18,341	18,011	27,292	27,505	16,226	16,514	36,733	36,048
Do not want a job now	48,648	48,428	5,931	5,750	15,928	15,660	26,786	27,022	14,886	15,203	33,761	33,225
Current activity:												
Going to school	2,700	2,640	2,279	2,209	410	426	10	4	1,342	1,282	1,358	1,358
Ill, disabled	3,108	3,300	107	119	1,519	1,609	1,484	1,575	1,657	1,782	1,451	1,518
Keeping house	24,017	23,109	1,430	1,393	11,328	10,995	11,257	10,722	258	289	23,759	22,820
Retired	13,759	14,474	-	-	356	422	13,401	14,053	9,164	9,366	4,595	5,108
Other activity	5,063	4,905	2,115	2,029	2,315	2,208	634	668	2,465	2,484	2,598	2,421
Want a job now	4,312	4,135	1,399	1,292	2,411	2,352	507	484	1,341	1,312	2,971	2,822
Reason for not looking:												
School attendance	562	583	450	448	105	134	9	-	273	308	290	274
Ill health, disability	583	625	89	62	367	437	127	123	276	314	307	311
Home responsibilities	1,180	1,014	251	206	879	782	51	26	-	-	1,180	1,014
Think cannot get a job	820	821	251	242	419	414	152	164	338	312	482	509
Other reasons ¹	1,166	1,092	358	334	641	585	168	171	454	378	713	714
BLACK												
Total not in labor force	7,099	7,207	1,878	1,809	2,654	2,710	2,567	2,686	2,425	2,495	4,675	4,712
Do not want a job now	5,842	5,930	1,407	1,323	1,942	2,026	2,494	2,581	2,068	2,110	3,775	3,819
Current activity:												
Going to school	600	556	546	491	55	65	-	-	304	265	297	291
Ill, disabled	662	705	30	32	336	342	297	332	323	350	340	356
Keeping house	2,320	2,315	300	257	1,090	1,143	929	916	88	99	2,231	2,215
Retired	1,259	1,301	-	-	37	32	1,221	1,269	820	797	439	504
Other activity	1,001	1,053	531	543	424	444	47	64	533	599	468	453
Want a job now	1,256	1,277	470	490	714	686	74	105	357	385	899	893
Reason for not looking:												
School attendance	196	259	161	209	31	47	4	3	61	125	134	134
Ill health, disability	183	239	18	33	143	162	22	44	81	102	102	136
Home responsibilities	316	278	91	71	223	204	3	2	-	-	316	278
Think cannot get a job	368	296	121	116	215	155	32	27	130	100	238	197
Other reasons ¹	194	206	79	61	102	118	13	29	85	58	109	148
HISPANIC ORIGIN												
Total not in labor force	4,073	4,136	1,119	1,105	1,919	1,964	1,034	1,066	1,054	1,104	3,019	3,033
Do not want a job now	(²)	3,634	(²)	914	(²)	1,677	(²)	1,040	(²)	943	(²)	2,688
Current activity:												
Going to school	(²)	363	(²)	314	(²)	47	(²)	-	(²)	146	(²)	216
Ill, disabled	(²)	341	(²)	17	(²)	206	(²)	117	(²)	190	(²)	151
Keeping house	(²)	1,955	(²)	325	(²)	1,226	(²)	405	(²)	37	(²)	1,917
Retired	(²)	501	(²)	-	(²)	10	(²)	491	(²)	329	(²)	172
Other activity	(²)	474	(²)	258	(²)	188	(²)	27	(²)	241	(²)	232
Want a job now	(²)	504	(²)	192	(²)	287	(²)	26	(²)	160	(²)	345
Reason for not looking:												
School attendance	(²)	100	(²)	87	(²)	14	(²)	-	(²)	41	(²)	59
Ill health, disability	(²)	76	(²)	-	(²)	65	(²)	11	(²)	40	(²)	36
Home responsibilities	(²)	155	(²)	33	(²)	116	(²)	6	(²)	-	(²)	155
Think cannot get a job	(²)	87	(²)	36	(²)	45	(²)	7	(²)	35	(²)	52
Other reasons ¹	(²)	86	(²)	36	(²)	47	(²)	2	(²)	44	(²)	43

¹ Includes small number of men not looking for work because of "home responsibilities."

² Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised not-in-labor-

force data by reason are not available for 1985.

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
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-56. Persons not in the labor force who desire work but think they cannot get jobs by reason, sex, age, race, and Hispanic origin

(In thousands)

Reason and sex	3rd Quarter 1986							
	Total	Age				Race and Hispanic origin		
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black	Hispanic origin ¹
TOTAL								
Personal factors:								
Employers think too young or old	177	35	-	36	106	153	14	14
Lacks education or training	139	42	12	85	2	101	31	9
Other personal handicap	98	21	19	56	4	87	4	3
Job-market factors:								
Could not find work	436	78	107	218	32	250	168	47
Thinks no job available	327	25	33	212	57	229	79	14
Men								
Personal factors:								
Employers think too young or old	68	19	-	14	34	62	-	8
Lacks education or training	29	18	2	10	-	20	10	5
Other personal handicap	45	16	-	29	-	41	-	-
Job-market factors:								
Could not find work	183	44	40	79	20	109	73	19
Thinks no job available	106	11	11	58	26	80	17	4
Women								
Personal factors:								
Employers think too young or old	109	15	-	22	72	91	14	6
Lacks education or training	110	24	10	74	2	81	22	5
Other personal handicap	54	5	19	26	4	46	4	3
Job-market factors:								
Could not find work	253	34	67	139	13	141	96	28
Thinks no job available	221	14	22	153	31	149	61	10

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates and are not comparable to previously published data.

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
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-57. Work-seeking intentions of persons not in the labor force and work history of those who intend to seek work within the next 12 months by sex, age, and race

(In thousands)

Work-seeking intentions, work history, and sex	Total		Age						Race			
	III 1985	III 1986	16 to 24 years		25 to 59 years		60 years and over		White		Black	
			III 1985	III 1986	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986
TOTAL												
Do not intend to seek work	53,268	53,201	5,768	5,564	17,702	17,485	29,799	30,154	46,266	46,112	5,640	5,656
Intend to seek work in the next 12 months	8,455	8,294	3,856	3,754	4,073	4,017	525	524	6,692	6,449	1,459	1,551
Never worked	1,329	1,285	1,167	1,097	160	181	3	7	875	842	362	349
Last worked over 5 years ago	1,253	1,209	63	66	1,041	1,002	151	141	937	885	276	278
Last worked 1 to 5 years ago	2,060	1,894	531	541	1,306	1,162	225	191	1,655	1,482	335	354
Worked during previous 12 months	3,812	3,906	2,097	2,051	1,569	1,670	146	186	3,227	3,240	486	570
Men												
Do not intend to seek work	16,529	16,901	2,239	2,146	2,923	3,141	11,367	11,613	14,051	14,402	2,032	2,039
Intend to seek work in the next 12 months	2,697	2,675	1,580	1,570	870	858	247	245	2,174	2,111	393	456
Never worked	518	527	470	480	49	45	-	3	356	334	121	154
Last worked over 5 years ago	213	198	2	6	146	126	65	65	152	131	45	47
Last worked 1 to 5 years ago	546	497	147	160	288	250	113	87	455	404	65	85
Worked during previous 12 months	1,419	1,453	960	924	389	439	69	90	1,212	1,242	163	170
Women												
Do not intend to seek work	36,739	36,299	3,529	3,416	14,779	14,342	18,432	18,541	32,215	31,710	3,608	3,617
Intend to seek work in the next 12 months	5,758	5,619	2,276	2,183	3,203	3,157	278	279	4,518	4,338	1,066	1,095
Never worked	811	758	696	618	110	136	3	4	519	508	242	195
Last worked over 5 years ago	1,040	1,010	60	59	895	876	85	75	785	754	231	231
Last worked 1 to 5 years ago	1,514	1,397	382	381	1,020	913	112	104	1,200	1,078	271	269
Worked during previous 12 months	2,393	2,454	1,136	1,126	1,179	1,232	78	96	2,015	1,998	323	399

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-58. Employment status of the civilian noninstitutional population by sex, age, race, and Hispanic origin

(Numbers in thousands)

Employment status, sex, and age	Total		White		Black		Hispanic origin ¹	
	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986
TOTAL								
Civilian noninstitutional population	178,414	180,835	153,825	155,609	19,701	20,028	11,969	12,397
Civilian labor force	116,689	119,339	100,866	103,048	12,602	12,822	7,896	8,261
Percent of population	65.4	66.0	65.6	66.2	64.0	64.0	66.0	66.6
Employed	108,450	111,192	94,798	97,077	10,690	10,913	7,076	7,383
Agriculture	3,466	3,454	3,180	3,227	229	172	327	371
Nonagricultural industries	104,984	107,738	91,618	93,850	10,461	10,741	6,750	7,012
Unemployed	8,239	8,147	6,068	5,971	1,912	1,910	820	878
Unemployment rate	7.1	6.8	6.0	5.8	15.2	14.9	10.4	10.6
Not in labor force	61,725	61,496	52,959	52,562	7,099	7,207	4,073	4,137
Men, 16 years and over								
Civilian noninstitutional population	84,564	85,923	73,440	74,482	8,807	8,974	5,913	6,133
Civilian labor force	65,338	66,346	57,215	57,968	6,382	6,480	4,859	5,029
Percent of population	77.3	77.2	77.9	77.8	72.5	72.2	82.2	82.0
Employed	61,096	62,061	54,040	54,802	5,449	5,516	4,393	4,514
Agriculture	2,738	2,706	2,503	2,529	193	137	283	321
Nonagricultural industries	58,358	59,355	51,538	52,272	5,256	5,379	4,110	4,193
Unemployed	4,242	4,285	3,174	3,166	933	965	466	515
Unemployment rate	6.5	6.5	5.5	5.5	14.6	14.9	9.6	10.2
Not in labor force	19,227	19,577	16,226	16,514	2,424	2,495	1,054	1,104
Men, 20 years and over								
Civilian noninstitutional population	77,313	78,647	67,468	68,499	7,750	7,925	5,259	5,478
Civilian labor force	60,681	61,679	53,228	53,950	5,809	5,951	4,476	4,639
Percent of population	78.5	78.4	78.9	78.8	75.0	75.1	85.1	84.7
Employed	57,275	58,202	50,641	51,364	5,097	5,187	4,108	4,220
Agriculture	2,388	2,409	2,180	2,247	168	125	247	285
Nonagricultural industries	54,887	55,794	48,461	49,117	4,929	5,062	3,860	3,934
Unemployed	3,405	3,477	2,587	2,586	712	764	369	419
Unemployment rate	5.6	5.6	4.9	4.8	12.3	12.8	8.2	9.0
Not in labor force	16,632	16,968	14,240	14,549	1,941	1,975	783	839
Women, 16 years and over								
Civilian noninstitutional population	93,849	94,912	80,385	81,128	10,894	11,054	6,055	6,264
Civilian labor force	51,351	52,993	43,651	45,080	6,220	6,342	3,037	3,232
Percent of population	54.7	55.8	54.3	55.6	57.1	57.4	50.2	51.6
Employed	47,354	49,131	40,758	42,275	5,241	5,397	2,682	2,869
Agriculture	727	748	677	698	36	35	44	51
Nonagricultural industries	46,626	48,383	40,081	41,578	5,205	5,362	2,639	2,819
Unemployed	3,997	3,862	2,893	2,804	979	945	354	362
Unemployment rate	7.8	7.3	6.6	6.2	15.7	14.9	11.7	11.2
Not in labor force	42,498	41,919	36,733	36,048	4,675	4,712	3,019	3,033
Women, 20 years and over								
Civilian noninstitutional population	86,651	87,699	74,494	75,228	9,797	9,969	5,411	5,617
Civilian labor force	47,196	48,796	40,074	41,453	5,738	5,868	2,752	2,961
Percent of population	54.5	55.6	53.8	55.1	58.6	58.9	50.9	52.7
Employed	43,888	45,632	37,669	39,153	4,941	5,106	2,473	2,672
Agriculture	656	693	614	645	29	34	32	47
Nonagricultural industries	43,232	44,939	37,055	38,507	4,912	5,072	2,441	2,626
Unemployed	3,308	3,163	2,404	2,301	797	762	279	288
Unemployment rate	7.0	6.5	6.0	5.6	13.9	13.0	10.1	9.7
Not in labor force	39,455	38,903	34,420	33,774	4,059	4,101	2,659	2,657
Both sexes, 16 to 19 years								
Civilian noninstitutional population	14,450	14,489	11,863	11,882	2,154	2,134	1,298	1,301
Civilian labor force	8,812	8,864	7,564	7,644	1,055	1,004	667	661
Percent of population	61.0	61.2	63.8	64.3	49.0	47.0	51.4	50.8
Employed	7,286	7,357	6,488	6,560	652	620	495	491
Agriculture	421	352	386	334	32	12	47	39
Nonagricultural industries	6,865	7,006	6,102	6,226	620	607	448	452
Unemployed	1,526	1,507	1,076	1,084	403	384	172	170
Unemployment rate	17.3	17.0	14.2	14.2	38.2	38.3	25.8	25.7
Not in labor force	5,638	5,625	4,299	4,236	1,100	1,131	631	641

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

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
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-59. Employment status of civilians of Mexican, Puerto Rican, and Cuban origin by sex and age

(Numbers in thousands)

Employment status, sex, and age	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986
TOTAL								
Civilian noninstitutional population	11,989	12,397	(²)	7,475	(²)	1,536	(²)	823
Civilian labor force	7,896	8,261	(²)	5,110	(²)	826	(²)	570
Percent of population	66.0	66.6	(²)	68.4	(²)	53.8	(²)	69.3
Employed	7,076	7,383	4,193	4,536	747	714	522	524
Agriculture	327	371	(²)	321	(²)	9	(²)	10
Nonagricultural industries	6,750	7,012	(²)	4,215	(²)	705	(²)	514
Unemployed	820	878	(²)	573	(²)	112	(²)	46
Unemployment rate	10.4	10.6	(²)	11.2	(²)	13.6	(²)	8.0
Not in labor force	4,073	4,137	(²)	2,366	(²)	709	(²)	253
Men, 16 years and over								
Civilian noninstitutional population	5,913	6,133	(²)	3,820	(²)	698	(²)	417
Civilian labor force	4,859	5,029	(²)	3,215	(²)	503	(²)	325
Percent of population	82.2	82.0	(²)	84.2	(²)	72.1	(²)	77.9
Employed	4,393	4,514	2,713	2,879	450	436	308	297
Agriculture	283	321	(²)	281	(²)	6	(²)	8
Nonagricultural industries	4,110	4,193	(²)	2,598	(²)	430	(²)	289
Unemployed	466	515	(²)	337	(²)	67	(²)	28
Unemployment rate	9.6	10.2	(²)	10.5	(²)	13.2	(²)	8.6
Not in labor force	1,054	1,104	(²)	605	(²)	195	(²)	92
Men, 20 years and over								
Civilian noninstitutional population	5,259	5,478	(²)	3,378	(²)	611	(²)	399
Civilian labor force	4,476	4,639	(²)	2,928	(²)	465	(²)	317
Percent of population	85.1	84.7	(²)	86.7	(²)	76.1	(²)	79.4
Employed	4,108	4,220	(²)	2,660	(²)	410	(²)	293
Agriculture	247	285	(²)	247	(²)	5	(²)	8
Nonagricultural industries	3,860	3,934	(²)	2,414	(²)	404	(²)	284
Unemployed	369	419	(²)	268	(²)	56	(²)	24
Unemployment rate	8.2	9.0	(²)	9.1	(²)	12.0	(²)	7.6
Not in labor force	783	839	(²)	450	(²)	145	(²)	82
Women, 16 years and over								
Civilian noninstitutional population	6,055	6,264	(²)	3,656	(²)	838	(²)	406
Civilian labor force	3,037	3,232	(²)	1,894	(²)	323	(²)	245
Percent of population	50.2	51.6	(²)	51.8	(²)	38.5	(²)	60.3
Employed	2,682	2,869	1,480	1,658	297	278	214	227
Agriculture	44	51	(²)	40	(²)	3	(²)	2
Nonagricultural industries	2,639	2,819	(²)	1,617	(²)	275	(²)	226
Unemployed	354	362	(²)	237	(²)	45	(²)	18
Unemployment rate	11.7	11.2	(²)	12.5	(²)	14.0	(²)	7.2
Not in labor force	3,019	3,033	(²)	1,761	(²)	514	(²)	161
Women, 20 years and over								
Civilian noninstitutional population	5,411	5,617	(²)	3,231	(²)	751	(²)	391
Civilian labor force	2,752	2,961	(²)	1,716	(²)	292	(²)	238
Percent of population	50.9	52.7	(²)	53.1	(²)	38.9	(²)	60.9
Employed	2,473	2,672	(²)	1,534	(²)	254	(²)	223
Agriculture	32	47	(²)	37	(²)	3	(²)	2
Nonagricultural industries	2,441	2,626	(²)	1,498	(²)	251	(²)	221
Unemployed	279	288	(²)	182	(²)	38	(²)	15
Unemployment rate	10.1	9.7	(²)	10.6	(²)	13.0	(²)	6.3
Not in labor force	2,659	2,657	(²)	1,515	(²)	459	(²)	153
Both sexes, 16 to 19 years								
Civilian noninstitutional population	1,298	1,301	(²)	866	(²)	174	(²)	33
Civilian labor force	667	661	(²)	465	(²)	69	(²)	15
Percent of population	51.4	50.8	(²)	53.7	(²)	39.7	(²)	(²)
Employed	495	491	(²)	342	(²)	51	(²)	8
Agriculture	47	39	(²)	38	(²)	1	(²)	-
Nonagricultural industries	448	452	(²)	304	(²)	50	(²)	8
Unemployed	172	170	(²)	123	(²)	18	(²)	6
Unemployment rate	25.8	25.7	(²)	26.5	(²)	26.4	(²)	(²)
Not in labor force	631	641	(²)	401	(²)	105	(²)	18

¹ Includes persons of Central or South American origin and of other Hispanic origin, not shown separately.

² Beginning in January 1986, data for persons of Hispanic origin have

been revised to reflect new population estimates. Revised data for these categories are not available.

³ Data not shown where base is less than 60,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-60. Employed civilians by selected social and economic categories, race, and Hispanic origin

(In thousands)

Category	Total		White		Black		Hispanic origin ¹	
	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986
CHARACTERISTIC								
Total (all civilian workers)	108,450	111,192	94,798	97,077	10,690	10,913	7,076	7,383
Men	61,096	62,061	54,040	54,802	5,449	5,516	4,393	4,514
Women	47,354	49,131	40,758	42,275	5,241	5,397	2,682	2,869
OCCUPATION								
Managerial and professional specialty	25,629	26,373	23,322	23,994	1,506	1,553	852	922
Executive, administrative, and managerial	12,317	12,750	11,331	11,794	666	621	438	470
Professional specialty	13,312	13,622	11,991	12,199	840	932	415	451
Technical, sales, and administrative support	33,435	34,697	29,686	30,815	2,821	2,924	1,730	1,880
Technicians and related support	3,344	3,489	2,894	3,080	305	272	133	144
Sales occupations	12,692	13,384	11,697	12,297	688	754	574	667
Administrative support, including clerical	17,398	17,824	15,094	15,438	1,829	1,898	1,023	1,068
Service occupations	14,579	14,780	11,560	11,772	2,548	2,492	1,244	1,254
Private household	1,029	994	721	727	287	237	94	110
Protective service	1,760	1,816	1,475	1,513	251	268	111	96
Service, except private household and protective	11,790	11,970	9,364	9,533	2,011	1,987	1,039	1,048
Precision production, craft, and repair	13,658	13,778	12,394	12,437	981	1,016	1,060	1,066
Mechanics and repairers	4,569	4,452	4,171	4,035	307	305	327	332
Construction trades	4,959	5,190	4,559	4,738	329	375	349	359
Other precision production, craft, and repair	4,130	4,137	3,663	3,664	345	336	385	375
Operators, fabricators, and laborers	17,172	17,666	14,282	14,503	2,490	2,668	1,819	1,864
Machine operators, assemblers, and inspectors	7,913	8,115	6,554	6,613	1,136	1,199	974	1,018
Transportation and material moving occupations	4,545	4,629	3,873	3,910	600	644	361	350
Handlers, equipment cleaners, helpers, and laborers	4,713	4,923	3,855	3,980	753	826	484	496
Construction laborers	832	898	684	747	136	139	105	131
Other handlers, equipment cleaners, helpers, and laborers	3,881	4,025	3,171	3,233	617	687	380	365
Farming, forestry, and fishing	3,977	3,898	3,555	3,556	344	259	370	397
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,701	1,717	1,497	1,551	174	130	289	325
Self-employed workers	1,552	1,532	1,475	1,477	54	37	38	43
Unpaid family workers	212	204	208	199	-	3	-	3
Nonagricultural industries:								
Wage and salary workers	96,835	99,403	84,036	86,065	10,107	10,420	6,392	6,579
Government	15,624	16,025	12,865	13,060	2,287	2,456	856	845
Private industries	81,212	83,378	71,172	73,005	7,820	7,964	5,536	5,734
Private households	1,350	1,323	956	976	361	309	113	137
Other industries	79,862	82,055	70,216	72,029	7,458	7,655	5,423	5,597
Self-employed workers	7,867	8,066	7,323	7,535	350	318	340	415
Unpaid family workers	282	270	259	250	4	4	18	18
FULL- AND PART-TIME STATUS²								
Full-time schedules	88,876	91,328	77,641	79,629	8,752	9,000	5,998	6,183
Part time for economic reasons	5,940	5,774	4,794	4,631	1,004	984	503	563
Part time for noneconomic reasons	13,633	14,090	12,364	12,817	933	929	574	637

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.
² Employed persons with a job but not at work are distributed

according to whether they usually work full or part time.
 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
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-61. Employed civilians of Mexican, Puerto Rican, and Cuban origin by selected social and economic categories

(In thousands)

Category	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986
CHARACTERISTIC								
Total (all civilian workers)	7,076	7,383	4,193	4,536	747	714	522	524
Men	4,393	4,514	2,713	2,879	450	436	308	297
Women	2,682	2,869	1,480	1,658	297	278	214	227
OCCUPATION								
Managerial and professional specialty	852	922	410	456	98	104	69	88
Executive, administrative, and managerial	438	470	216	236	46	54	35	52
Professional specialty	415	451	193	220	53	50	34	36
Technical, sales, and administrative support	1,730	1,880	932	1,056	220	199	171	185
Technicians and related support	133	144	70	77	21	14	8	15
Sales occupations	574	667	319	387	61	61	66	71
Administrative support, including clerical	1,023	1,068	543	592	140	124	96	98
Service occupations	1,244	1,254	686	746	149	140	56	69
Private household	94	110	36	58	2	2	1	4
Protective service	111	96	57	46	22	20	4	7
Service, except private household and protective	1,039	1,048	593	643	126	118	52	58
Precision production, craft, and repair	1,060	1,066	702	688	73	98	96	69
Mechanics and repairers	327	332	218	206	21	26	25	29
Construction trades	349	359	244	263	23	21	30	17
Other precision production, craft, and repair	385	375	240	218	30	51	41	23
Operators, fabricators, and laborers	1,619	1,864	1,137	1,252	189	160	125	105
Machine operators, assemblers, and inspectors	974	1,018	567	669	111	64	69	58
Transportation and material moving occupations	361	350	245	226	36	35	27	19
Handlers, equipment cleaners, helpers, and laborers	484	496	326	357	42	41	30	30
Construction laborers	105	131	83	103	5	6	5	8
Other handlers, equipment cleaners, helpers, and laborers	380	365	242	254	39	35	25	22
Farming, forestry, and fishing	370	397	327	338	16	13	4	9
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	289	325	264	287	10	9	1	6
Self-employed workers	38	43	27	33	1	-	6	4
Unpaid family workers	-	3	-	2	-	-	-	-
Nonagricultural industries:								
Wage and salary workers	6,392	6,579	3,711	3,963	720	687	452	456
Government	856	845	509	504	127	138	36	31
Private industries	5,536	5,734	3,202	3,459	593	550	415	425
Private households	113	137	49	80	3	4	1	4
Other industries	5,423	5,597	3,153	3,379	590	546	414	421
Self-employed workers	340	415	181	238	15	18	61	57
Unpaid family workers	18	18	10	13	1	-	2	1
FULL- AND PART-TIME STATUS²								
Full-time schedules	5,998	6,183	3,530	3,756	649	622	454	460
Part time for economic reasons	503	563	345	395	27	43	29	17
Part time for noneconomic reasons	574	637	319	385	71	49	38	48

¹ Includes persons of Central or South American origin and of other Hispanic origin, not shown separately.

² Employed persons with a job but not at work are distributed according to whether they usually work full or part time.

NOTE: Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-62. Employed civilians by sex, age, race, and Hispanic origin

(In thousands)

Sex and age	Total		White		Black		Hispanic origin ¹	
	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986
Total, 16 years and over	108,450	111,192	94,798	97,077	10,690	10,913	7,076	7,383
16 to 19 years	7,286	7,357	6,488	6,560	652	620	495	491
16 to 17 years	3,001	3,131	2,696	2,821	251	246	184	178
18 to 19 years	4,285	4,227	3,792	3,739	400	373	311	313
20 to 24 years	14,358	14,162	12,575	12,371	1,428	1,461	1,210	1,205
25 years and over	86,805	89,672	75,735	78,147	8,609	8,831	5,371	5,688
25 to 54 years	72,570	75,275	62,992	65,259	7,399	7,637	4,813	5,152
55 years and over	14,235	14,398	12,743	12,888	1,210	1,194	558	536
Men, 16 years and over	61,096	62,061	54,040	54,802	5,449	5,516	4,393	4,514
16 to 19 years	3,821	3,859	3,399	3,437	352	328	285	294
16 to 17 years	1,590	1,656	1,431	1,486	136	135	106	97
18 to 19 years	2,231	2,203	1,969	1,951	216	193	180	197
20 to 24 years	7,631	7,509	6,679	6,593	757	730	742	772
25 years and over	49,644	50,693	43,962	44,772	4,339	4,457	3,366	3,448
25 to 54 years	41,157	42,292	36,255	37,163	3,719	3,843	2,992	3,119
55 years and over	8,487	8,400	7,707	7,609	620	615	374	329
Women, 16 years and over	47,354	49,131	40,758	42,275	5,241	5,397	2,682	2,869
16 to 19 years	3,465	3,498	3,089	3,123	299	292	210	197
16 to 17 years	1,411	1,474	1,266	1,335	115	111	78	81
18 to 19 years	2,054	2,024	1,824	1,788	184	181	131	116
20 to 24 years	6,727	6,652	5,896	5,778	671	731	469	432
25 years and over	37,162	38,980	31,773	33,375	4,270	4,374	2,005	2,240
25 to 54 years	31,412	32,983	26,737	28,096	3,680	3,794	1,821	2,033
55 years and over	5,749	5,997	5,036	5,279	590	579	184	207

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

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.

A-63. Unemployment rates by sex, age, race, and Hispanic origin

(Civilian workers)

Sex and age	Total		White		Black		Hispanic origin ¹	
	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986
Total, 16 years and over	7.1	6.8	6.0	5.8	15.2	14.9	10.4	10.6
16 to 19 years	17.3	17.0	14.2	14.2	38.2	38.3	25.8	25.7
16 to 17 years	18.7	18.2	15.6	15.5	39.8	39.6	27.0	27.5
18 to 19 years	16.3	16.1	13.3	13.2	37.2	37.4	25.1	24.7
20 to 24 years	10.6	10.4	8.8	8.2	23.7	24.8	12.2	13.3
25 years and over	5.5	5.3	4.8	4.6	11.0	10.6	8.2	8.4
25 to 54 years	5.7	5.6	5.0	4.9	11.5	11.3	8.2	8.5
55 years and over	4.0	3.7	3.6	3.4	8.1	5.8	8.1	7.9
Men, 16 years and over	6.5	6.5	5.5	5.5	14.6	14.9	9.6	10.2
16 to 19 years	18.0	17.3	14.7	14.4	38.5	38.0	25.4	24.6
16 to 17 years	19.3	18.9	16.2	16.3	38.9	38.5	28.9	29.9
18 to 19 years	16.9	16.1	13.6	13.0	38.2	37.7	23.3	21.7
20 to 24 years	10.2	10.2	8.7	8.0	21.1	25.0	12.2	13.3
25 years and over	4.9	4.9	4.2	4.3	10.5	10.5	7.3	8.0
25 to 54 years	5.1	5.2	4.4	4.5	10.8	11.1	7.3	8.0
55 years and over	3.8	3.8	3.3	3.5	8.7	6.3	7.3	8.6
Women, 16 years and over	7.8	7.3	6.6	6.2	15.7	14.9	11.7	11.2
16 to 19 years	16.6	16.6	13.7	13.9	37.8	38.5	26.4	27.3
16 to 17 years	17.9	17.4	14.8	14.6	40.8	40.9	24.5	24.4
18 to 19 years	15.7	16.1	12.9	13.4	35.8	37.0	27.6	29.2
20 to 24 years	11.1	10.6	8.9	8.3	26.4	24.6	12.2	13.4
25 years and over	6.2	5.7	5.5	5.1	11.5	10.7	9.7	9.0
25 to 54 years	6.6	6.1	5.7	5.4	12.2	11.5	9.7	9.2
55 years and over	4.4	3.6	4.0	3.4	7.4	5.2	9.7	6.8

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have

been revised and may differ slightly from previously published data.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-64. Unemployed persons by duration of unemployment, race, and Hispanic origin

(Numbers in thousands)

Weeks of unemployment	Total		White		Black		Hispanic origin ¹	
	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986
DURATION								
Total, 16 years and over	8,239	8,147	6,068	5,971	1,912	1,910	820	878
Less than 5 weeks	3,614	3,541	2,725	2,658	767	774	391	436
5 to 14 weeks	2,576	2,536	1,872	1,840	627	606	252	258
15 weeks and over	2,050	2,070	1,471	1,472	519	529	178	183
15 to 26 weeks	838	881	602	633	212	214	86	80
27 weeks and over	1,212	1,189	869	839	307	315	92	103
Average (mean) duration, in weeks	14.8	14.9	14.6	14.4	15.8	16.4	12.5	12.7
Median duration, in weeks	6.4	6.5	6.1	6.2	7.3	7.2	5.6	5.1
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	43.9	43.5	44.9	44.5	40.1	40.6	47.6	49.7
5 to 14 weeks	31.3	31.1	30.9	30.8	32.8	31.8	30.8	29.4
15 weeks and over	24.9	25.4	24.2	24.7	27.1	27.7	21.6	20.8
15 to 26 weeks	10.2	10.8	9.9	10.6	11.1	11.2	10.5	9.1
27 weeks and over	14.7	14.6	14.3	14.1	16.1	16.5	11.2	11.7

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

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.

A-65. Unemployed persons by reason for unemployment, race, and Hispanic origin

(Numbers in thousands)

Reasons for unemployment	Total		White		Black		Hispanic origin ¹	
	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986
NUMBER OF UNEMPLOYED								
Total, 16 years and over	8,239	8,147	6,068	5,971	1,912	1,910	820	878
Job losers	3,909	3,710	2,929	2,761	882	840	442	451
On layoff	1,002	902	826	740	155	135	95	98
Other job losers	2,906	2,808	2,102	2,021	727	705	345	353
Job leavers	939	1,089	778	896	129	168	82	90
Reentrants	2,266	2,214	1,635	1,572	549	555	178	194
New entrants	1,125	1,135	726	742	352	347	119	143
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	47.4	45.5	48.3	46.2	46.1	44.0	53.8	51.4
On layoff	12.2	11.1	13.6	12.4	8.1	7.1	11.6	11.2
Other job losers	35.3	34.5	34.6	33.8	38.0	36.9	42.2	40.2
Job leavers	11.4	13.4	12.8	15.0	6.8	8.8	10.0	10.2
Reentrants	27.5	27.2	27.0	26.3	28.7	29.1	21.7	22.1
New entrants	13.7	13.9	12.0	12.4	18.4	18.2	14.5	16.2
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	3.3	3.1	2.9	2.7	7.0	6.5	5.6	5.5
Job leavers .....	.8	.9	.8	.9	1.0	1.3	1.0	1.1
Reentrants	1.9	1.9	1.6	1.5	4.4	4.3	2.3	2.3
New entrants	1.0	1.0	.7	.7	2.8	2.7	1.5	1.7

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

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
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-66. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	III 1985	III 1986	Total		Employed		Unemployed			
			III 1985	III 1986	III 1985	III 1986	Number		Percent of labor force	
							III 1985	III 1986	III 1985	III 1986
VIETNAM-ERA VETERANS										
Total, 30 years and over	7,677	7,760	7,189	7,196	6,865	6,876	324	319	4.5	4.4
30 to 44 years	6,516	6,370	6,280	6,090	5,986	5,800	294	290	4.7	4.8
30 to 34 years	1,337	1,120	1,280	1,055	1,207	983	73	72	5.7	6.9
35 to 39 years	3,364	3,009	3,254	2,881	3,100	2,743	154	138	4.7	4.8
40 to 44 years	1,815	2,241	1,746	2,153	1,679	2,074	67	79	3.8	3.7
45 years and over	1,161	1,390	909	1,106	879	1,076	30	30	3.3	2.7
NONVETERANS										
Total, 30 to 44 years	17,350	18,708	16,463	17,737	15,674	16,835	789	902	4.8	5.1
30 to 34 years	8,026	8,704	7,678	8,288	7,279	7,849	399	439	5.2	5.3
35 to 39 years	4,998	5,839	4,727	5,535	4,517	5,251	210	284	4.4	5.1
40 to 44 years	4,328	4,165	4,058	3,914	3,879	3,735	179	179	4.4	4.6

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 30 to 44 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

A-67. Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin

(Numbers in thousands)

Employment status and age	Veterans						Nonveterans					
	White		Black		Hispanic origin		White		Black		Hispanic origin	
	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986	III 1985	III 1986
TOTAL, 30 to 44 years												
Civilian noninstitutional population	5,816	5,667	594	604	(¹)	314	14,919	15,942	1,788	1,851	(¹)	1,564
Civilian labor force	5,621	5,437	560	556	(¹)	295	14,292	15,245	1,596	1,642	(¹)	1,453
Employed	5,371	5,203	524	511	(¹)	267	13,702	14,593	1,425	1,442	(¹)	1,328
Unemployed	250	234	36	45	(¹)	28	590	652	171	200	(¹)	125
Unemployment rate	4.4	4.3	6.4	8.0	(¹)	9.4	4.1	4.3	10.7	12.2	(¹)	8.6
30 to 34 years												
Civilian noninstitutional population	1,152	949	163	145	(¹)	71	6,935	7,414	813	862	(¹)	717
Civilian labor force	1,107	901	151	129	(¹)	67	6,691	7,128	738	761	(¹)	665
Employed	1,048	846	139	113	(¹)	61	6,396	6,807	650	666	(¹)	603
Unemployed	59	55	12	16	(¹)	7	294	321	88	95	(¹)	61
Unemployment rate	5.3	6.1	7.9	12.5	(¹)	9.9	4.4	4.5	11.9	12.5	(¹)	9.2
35 to 39 years												
Civilian noninstitutional population	3,020	2,689	293	277	(¹)	152	4,282	4,959	504	570	(¹)	481
Civilian labor force	2,927	2,586	282	253	(¹)	139	4,087	4,740	449	514	(¹)	447
Employed	2,797	2,477	262	232	(¹)	122	3,929	4,545	403	444	(¹)	400
Unemployed	130	110	19	21	(¹)	17	158	195	46	70	(¹)	46
Unemployment rate	4.4	4.2	6.7	8.2	(¹)	12.2	3.9	4.1	10.2	13.6	(¹)	10.3
40 to 44 years												
Civilian noninstitutional population	1,644	2,030	138	181	(¹)	91	3,702	3,569	471	419	(¹)	366
Civilian labor force	1,587	1,950	127	174	(¹)	89	3,514	3,377	409	367	(¹)	342
Employed	1,526	1,881	123	166	(¹)	84	3,377	3,242	372	332	(¹)	324
Unemployed	61	69	4	8	(¹)	4	138	136	37	35	(¹)	18
Unemployment rate	3.8	3.6	3.1	4.4	(¹)	4.7	3.9	4.0	9.0	9.7	(¹)	5.2

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised data are not available for 1985.

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

those 30 to 44 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population. 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
QUARTERLY AVERAGES**

A-68. Unemployment in families by type of family, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Type of family, race, and Hispanic origin	III 1985					III 1986				
	Total families	With unemployment:				Total families	With unemployment:			
		Total	Percent of families:				Total	Percent of families:		
			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL										
Total families	62,866	6,284	28.6	71.4	62.4	63,104	6,081	28.4	71.6	63.0
With children under 18 years of age	31,200	3,824	30.4	69.6	60.4	31,517	3,733	30.4	69.6	60.7
Married-couple families	50,185	4,350	19.4	80.6	72.1	50,195	4,243	19.3	80.7	72.3
With children under 18 years of age	24,144	2,683	17.5	82.5	73.4	24,214	2,634	18.1	81.9	73.1
Families maintained by women	10,116	1,606	51.1	48.9	38.6	10,405	1,501	51.5	48.5	38.5
With children under 18 years of age	6,140	1,015	61.4	38.6	29.3	6,347	962	60.9	39.1	29.4
Families maintained by men	2,365	328	40.9	59.1	49.4	2,504	337	40.1	59.9	54.3
With children under 18 years of age	916	126	56.3	43.7	36.5	956	136	52.9	47.1	43.4
White										
Total families	54,200	4,705	25.4	74.6	65.5	54,467	4,559	25.9	74.1	65.8
With children under 18 years of age	26,171	2,815	26.4	73.6	64.1	26,319	2,752	27.3	72.7	63.8
Married-couple families	45,439	3,607	19.5	80.5	72.0	45,371	3,501	19.7	80.3	72.2
With children under 18 years of age	21,446	2,192	18.1	81.9	72.6	21,424	2,141	18.7	81.3	72.6
Families maintained by women	6,923	871	46.4	53.6	42.8	7,144	822	49.0	51.0	40.9
With children under 18 years of age	4,012	529	55.7	44.3	34.0	4,144	510	58.4	41.6	30.8
Families maintained by men	1,838	226	39.4	60.6	50.0	1,951	236	38.6	61.4	57.2
With children under 18 years of age	713	94	54.3	45.7	36.2	750	101	51.5	48.5	45.5
Black										
Total families	6,906	1,400	39.1	60.9	51.9	6,949	1,318	36.8	63.2	53.7
With children under 18 years of age	4,088	889	43.4	56.6	48.6	4,152	856	40.4	59.6	50.8
Married-couple families	3,531	616	18.2	81.8	73.4	3,518	590	16.8	83.2	73.2
With children under 18 years of age	1,922	398	13.6	86.4	78.1	1,947	395	14.7	85.3	76.2
Families maintained by women	2,944	700	57.4	42.6	33.3	2,982	640	54.5	45.5	36.5
With children under 18 years of age	1,993	466	68.0	32.0	23.8	2,032	427	63.2	36.8	28.3
Families maintained by men	431	84	41.7	58.3	50.0	450	89	43.2	56.8	50.0
With children under 18 years of age	173	24	(¹)	(¹)	41.7	173	(¹)	(¹)	47.1	38.2
Hispanic origin										
Total families	(²)	(²)	(²)	(²)	(²)	4,228	629	32.0	68.0	60.3
With children under 18 years of age	(²)	(²)	(²)	(²)	(²)	2,728	426	34.7	65.3	56.3
Married-couple families	(²)	(²)	(²)	(²)	(²)	2,976	444	25.0	75.0	66.9
With children under 18 years of age	(²)	(²)	(²)	(²)	(²)	1,945	318	25.2	74.8	66.2
Families maintained by women	(²)	(²)	(²)	(²)	(²)	1,011	137	51.1	48.9	40.9
With children under 18 years of age	(²)	(²)	(²)	(²)	(²)	698	86	59.3	40.7	29.1
Families maintained by men	(²)	(²)	(²)	(²)	(²)	241	(¹)	(¹)	58.3	54.2
With children under 18 years of age	(²)	(²)	(²)	(²)	(²)	84	(¹)	(¹)	27.3	22.7

¹ Data not shown where base is less than 60,000.

² Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised data are not available for 1985.

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
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-69. Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	III 1985				III 1986			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL								
Total unemployed in families ¹	6,898	31.0	69.0	60.2	6,742	30.7	69.3	60.7
Husbands	1,458	41.2	58.8	44.7	1,453	40.5	59.5	46.3
With children under 18 years of age	922	44.3	55.7	39.6	952	43.5	56.5	42.5
Wives	1,525	15.7	84.3	77.2	1,440	16.2	83.8	76.5
With children under 18 years of age	994	12.7	87.3	79.6	935	14.1	85.9	78.2
Relatives in married-couple families	1,764	11.8	88.2	83.5	1,774	11.5	88.5	83.2
Women who maintain families	681	81.8	18.2	11.9	644	81.4	18.6	11.3
With children under 18 years of age	578	89.2	10.8	5.4	557	87.4	12.6	6.4
Relatives in families maintained by women	1,105	33.8	66.2	54.0	1,060	33.8	66.2	54.6
Men who maintain families	142	66.0	34.0	24.7	143	66.3	33.7	27.6
With children under 18 years of age	72	89.1	10.9	3.6	79	87.8	12.2	8.5
Relatives in families maintained by men	223	28.0	72.0	61.2	229	28.3	71.7	66.9
White								
Total unemployed in families ¹	5,056	28.2	71.8	62.8	4,937	28.6	71.4	63.1
Husbands	1,218	42.5	57.5	43.0	1,201	41.9	58.1	45.4
With children under 18 years of age	765	45.7	54.3	37.4	763	45.6	54.4	40.7
Wives	1,304	15.5	84.5	78.0	1,199	16.2	83.8	76.7
With children under 18 years of age	843	12.7	87.3	80.2	772	14.3	85.7	78.3
Relatives in married-couple families	1,362	11.6	88.4	83.7	1,393	11.1	88.9	83.7
Women who maintain families	348	77.2	22.8	16.2	360	76.4	23.6	14.3
With children under 18 years of age	285	86.7	13.3	7.2	298	85.3	14.7	6.6
Relatives in families maintained by women	585	31.2	68.8	55.7	529	33.6	66.4	55.0
Men who maintain families	101	63.8	36.2	24.2	98	66.4	33.6	29.2
With children under 18 years of age	53	(²)	(²)	(²)	56	(²)	(²)	(²)
Relatives in families maintained by men	137	24.7	75.3	64.9	156	26.6	73.4	70.3
Black								
Total unemployed in families ¹	1,634	40.1	59.9	51.3	1,582	36.8	63.2	53.7
Husbands	199	32.9	67.1	55.3	190	32.2	67.8	51.2
With children under 18 years of age	124	36.4	63.6	51.2	153	33.2	66.8	51.4
Wives	176	18.3	81.7	70.6	183	13.7	86.3	76.1
With children under 18 years of age	119	13.4	86.6	76.1	124	11.9	88.1	78.0
Relatives in married-couple families	336	13.4	86.6	82.0	324	13.5	86.5	80.9
Women who maintain families	318	87.5	12.5	6.6	268	87.4	12.6	7.8
With children under 18 years of age	281	92.4	7.6	3.2	245	89.5	10.5	6.4
Relatives in families maintained by women	499	37.3	62.7	52.0	512	33.6	66.4	54.8
Men who maintain families	28	(²)	(²)	(²)	41	(²)	(²)	(²)
With children under 18 years of age	11	(²)	(²)	(²)	22	(²)	(²)	(²)
Relatives in families maintained by men	78	35.4	64.6	52.9	64	30.7	69.3	62.2
Hispanic origin								
Total unemployed in families ¹	(²)	(²)	(²)	(²)	745	34.5	65.5	57.9
Husbands	(²)	(²)	(²)	(²)	177	52.8	47.2	39.2
With children under 18 years of age	(²)	(²)	(²)	(²)	127	57.9	42.1	34.5
Wives	(²)	(²)	(²)	(²)	146	20.5	79.5	70.8
With children under 18 years of age	(²)	(²)	(²)	(²)	109	19.1	80.9	70.9
Relatives in married-couple families	(²)	(²)	(²)	(²)	207	11.9	88.1	82.0
Women who maintain families	(²)	(²)	(²)	(²)	54	(²)	(²)	(²)
With children under 18 years of age	(²)	(²)	(²)	(²)	44	(²)	(²)	(²)
Relatives in families maintained by women	(²)	(²)	(²)	(²)	107	45.9	54.1	46.9
Men who maintain families	(²)	(²)	(²)	(²)	24	(²)	(²)	(²)
With children under 18 years of age	(²)	(²)	(²)	(²)	16	(²)	(²)	(²)
Relatives in families maintained by men	(²)	(²)	(²)	(²)	29	(²)	(²)	(²)

¹ Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband or wife is in the Armed Forces, and persons in unrelated subfamilies. Estimates 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.

² Data not shown where base is less than 60,000.

³ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised data are not available for 1985.
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
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-70. Employed civilians by family relationship, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	III 1985				III 1986			
	Total	Percent of employed:			Total	Percent of employed:		
		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL								
Total employed in families ¹	89,128	23.5	76.5	65.8	90,941	22.7	77.3	66.7
Husbands	38,013	32.6	67.4	50.3	37,964	30.8	69.2	52.1
With children under 18 years of age	22,212	35.0	65.0	45.2	22,221	32.9	67.1	46.7
Wives	25,223	8.8	91.2	86.5	26,152	8.9	91.1	86.5
With children under 18 years of age	13,640	5.0	95.0	91.1	14,229	5.3	94.7	90.9
Relatives in married-couple families	12,834	6.2	93.8	89.9	13,163	6.3	93.7	90.0
Women who maintain families	5,526	60.8	39.2	27.8	5,755	59.7	40.3	27.6
With children under 18 years of age	3,640	76.4	23.6	13.3	3,779	75.0	25.0	13.2
Relatives in families maintained by women	4,516	23.7	76.3	66.1	4,682	24.7	75.3	65.4
Men who maintain families	1,674	51.8	48.2	37.5	1,799	51.6	48.4	37.4
With children under 18 years of age	765	77.1	22.9	12.8	781	76.9	23.1	12.5
Relatives in families maintained by men	1,344	17.6	82.4	75.5	1,426	16.3	83.7	76.5
White								
Total employed in families ¹	78,243	22.9	77.1	66.1	79,706	21.9	78.1	67.1
Husbands	34,552	33.0	67.0	49.4	34,393	31.1	68.9	51.1
With children under 18 years of age	19,889	35.6	64.4	43.7	19,833	33.4	66.6	45.3
Wives	22,598	8.4	91.6	87.0	23,405	8.5	91.5	86.9
With children under 18 years of age	12,018	4.6	95.4	91.7	12,500	4.8	95.2	91.5
Relatives in married-couple families	11,483	6.0	94.0	90.3	11,792	6.0	94.0	90.5
Women who maintain families	3,927	58.5	41.5	29.1	4,113	56.6	43.4	29.3
With children under 18 years of age	2,559	75.2	24.8	13.3	2,661	72.8	27.2	13.7
Relatives in families maintained by women	3,301	24.2	75.8	66.0	3,425	24.8	75.2	65.9
Men who maintain families	1,326	51.2	48.8	37.6	1,451	50.1	49.9	38.4
With children under 18 years of age	602	77.2	22.8	12.2	634	75.4	24.6	13.1
Relatives in families maintained by men	1,056	17.7	82.3	75.3	1,127	15.5	84.5	77.7
Black								
Total employed in families ¹	8,474	29.2	70.8	61.6	8,582	29.7	70.3	61.5
Husbands	2,521	27.6	72.4	60.7	2,528	26.1	73.9	62.3
With children under 18 years of age	1,676	26.9	73.1	60.3	1,655	25.4	74.6	62.1
Wives	1,924	12.7	87.3	80.7	1,951	13.4	86.6	81.1
With children under 18 years of age	1,193	8.2	91.8	85.5	1,243	10.5	89.5	85.1
Relatives in married-couple families	989	9.6	90.4	84.0	981	10.7	89.3	83.3
Women who maintain families	1,465	67.7	32.3	23.5	1,490	68.8	31.2	22.4
With children under 18 years of age	1,010	79.4	20.6	13.1	1,032	80.7	19.3	11.6
Relatives in families maintained by women	1,060	23.2	76.8	65.1	1,124	24.6	75.4	63.6
Men who maintain families	295	55.8	44.2	35.6	278	60.0	40.0	33.3
With children under 18 years of age	146	76.6	23.4	14.2	123	86.0	14.0	9.5
Relatives in families maintained by men	221	16.6	83.4	76.0	230	22.4	77.6	68.8
Hispanic origin								
Total employed in families ¹	(?)	(?)	(?)	(?)	5,976	24.7	75.3	66.1
Husbands	(?)	(?)	(?)	(?)	2,354	35.7	64.3	51.5
With children under 18 years of age	(?)	(?)	(?)	(?)	1,669	39.1	60.9	47.2
Wives	(?)	(?)	(?)	(?)	1,449	8.3	91.7	85.5
With children under 18 years of age	(?)	(?)	(?)	(?)	947	7.4	92.6	86.3
Relatives in married-couple families	(?)	(?)	(?)	(?)	935	5.2	94.8	89.2
Women who maintain families	(?)	(?)	(?)	(?)	470	59.1	40.9	30.7
With children under 18 years of age	(?)	(?)	(?)	(?)	314	73.2	26.8	19.0
Relatives in families maintained by women	(?)	(?)	(?)	(?)	422	22.0	78.0	69.0
Men who maintain families	(?)	(?)	(?)	(?)	184	43.0	57.0	51.9
With children under 18 years of age	(?)	(?)	(?)	(?)	63	78.4	21.6	18.9
Relatives in families maintained by men	(?)	(?)	(?)	(?)	162	9.8	90.2	84.8

¹ Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband or wife is in the Armed Forces, and persons in unrelated subfamilies. Estimates 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.

² Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised data are not available for 1985.
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
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-71. Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin

Type of family, number of earners, race, and Hispanic origin	Number of families (in thousands)		Median weekly earnings	
	III 1985	III 1986	III 1985	III 1986
TOTAL				
Total families with earners ¹	42,021	42,047	\$520	\$551
Married-couple families	33,683	33,547	581	607
One earner	13,728	12,964	388	396
Husband	10,866	9,997	438	457
Wife	2,131	2,255	216	226
Other family member	731	712	207	209
Two or more earners	19,956	20,583	718	748
Husband and wife	16,912	17,638	732	762
Husband and other family member(s)	2,386	2,250	688	723
Wife and other family member(s)	505	522	460	520
Other family members only	154	174	450	537
Families maintained by women	6,636	6,632	296	306
One earner	4,446	4,474	232	238
Householder	3,455	3,405	239	248
Other family member	991	1,069	206	204
Two or more earners	2,191	2,158	490	499
Families maintained by men	1,701	1,869	434	498
One earner	1,026	1,125	323	388
Two or more earners	675	743	602	667
White				
Total families with earners ¹	35,981	35,941	542	575
Married-couple families	29,982	29,834	590	618
One earner	12,347	11,570	399	409
Husband	9,875	9,076	452	471
Wife	1,826	1,887	216	230
Two or more earners	17,635	18,264	726	762
Husband and wife	14,965	15,637	739	775
Families maintained by women	4,697	4,660	306	318
Families maintained by men	1,303	1,447	452	522
Black				
Total families with earners ¹	4,858	4,888	376	385
Married-couple families	2,766	2,736	477	490
One earner	1,007	1,005	271	253
Husband	672	610	308	302
Wife	257	299	198	204
Two or more earners	1,760	1,732	607	623
Husband and wife	1,442	1,472	639	634
Families maintained by women	1,761	1,795	260	268
Families maintained by men	331	357	395	388
Hispanic origin				
Total families with earners ¹	(²)	2,970	(²)	431
Married-couple families	(²)	2,253	(²)	486
One earner	(²)	909	(²)	284
Husband	(²)	740	(²)	301
Wife	(²)	130	(²)	228
Two or more earners	(²)	1,344	(²)	620
Husband and wife	(²)	1,046	(²)	630
Families maintained by women	(²)	532	(²)	277
Families maintained by men	(²)	185	(²)	353

¹ Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or in the Armed Forces.

² Data on Hispanic families for 1985 are not available on a revised basis that reflects the adjustments to the population totals introduced in

January 1986.

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
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-72. Families with unemployed members and wage and salary workers by type of family and median weekly earnings

Type of family and relationship of unemployed members to wage and salary earners	Number of families (in thousands)		Median weekly earnings	
	III 1985	III 1986	III 1985	III 1986
Married-couple families ¹	3,166	3,007	\$395	\$410
Husband unemployed	879	833	233	243
Wife only earner	658	666	222	225
Wife and other earner(s)	130	112	419	460
Other earner(s) only	91	54	(²)	(²)
Wife unemployed	1,148	1,099	398	390
Husband only earner	970	902	367	360
Husband and other earner(s)	163	163	615	662
Other earner(s) only	16	33	(²)	(²)
Other member(s) unemployed	1,139	1,075	609	626
Husband or wife earner	553	446	459	489
Both husband and wife earners	558	588	765	775
Other combinations of earners	29	41	(²)	(²)
Families maintained by women ¹	679	691	246	271
Householder unemployed	82	123	(²)	167
Other member(s) unemployed	597	569	256	299
Families maintained by men ¹	166	185	378	424

¹ Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is

either self-employed or in the Armed Forces.

² Data not shown where base is less than 100,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-73. Median weekly earnings of full-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings	
	III 1985	III 1986	III 1985	III 1986
SEX AND AGE				
Total, 16 years and over	79,012	80,928	\$340	\$354
Men, 16 years and over	46,956	47,454	401	414
16 to 24 years	7,931	7,791	231	237
25 years and over	39,025	39,664	440	461
Women, 16 years and over	32,056	33,473	275	287
16 to 24 years	6,177	6,149	206	212
25 years and over	25,880	27,325	296	309
FAMILY RELATIONSHIP				
Husbands	30,406	30,607	454	473
Wives	16,206	16,888	286	300
Women who maintain families	4,446	4,508	272	280
Men who maintain families	1,262	1,473	389	440
Other persons in families:				
Men	7,044	7,297	228	241
Women	4,713	4,946	207	216
All other men ¹	8,240	8,076	377	395
All other women ¹	6,694	7,133	306	317
RACE AND HISPANIC ORIGIN				
White	68,280	69,633	352	365
Men	41,258	41,481	412	425
Women	27,022	28,153	260	292
Black	8,577	8,857	270	288
Men	4,481	4,608	301	320
Women	4,095	4,250	242	259
Hispanic origin	(²)	5,837	(²)	273
Men	(²)	3,718	(²)	296
Women	(²)	2,119	(²)	236

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband or wife is in the Armed Forces and persons in unrelated subfamilies.

² Data on Hispanic wage and salary earners for 1985 are not available on a revised basis that reflects the adjustments to the

population totals introduced in January 1986.

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
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-74. Median weekly earnings of part-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings	
	III 1985	III 1986	III 1985	III 1986
SEX AND AGE				
Total, 16 years and over	16,676	17,182	\$99	\$101
Men, 16 years and over	5,195	5,382	96	98
16 to 24 years	2,996	3,111	83	84
25 years and over	2,199	2,270	121	126
Women, 16 years and over	11,481	11,800	101	103
16 to 24 years	3,809	3,819	81	81
25 years and over	7,672	7,981	113	117
FAMILY RELATIONSHIP				
Husbands	1,447	1,409	118	125
Wives	5,914	6,232	115	118
Women who maintain families	973	848	108	113
Men who maintain families	155	84	111	(¹)
Other persons in families:				
Men	2,866	3,039	83	83
Women	3,036	3,287	73	79
All other men ²	727	848	120	123
All other women ²	1,558	1,435	106	106
RACE AND HISPANIC ORIGIN				
White	14,557	15,098	100	103
Men	4,364	4,603	97	99
Women	10,192	10,495	102	104
Black	1,652	1,642	92	92
Men	634	619	94	87
Women	1,017	1,023	91	95
Hispanic origin	(³)	988	(³)	107
Men	(³)	385	(³)	108
Women	(³)	602	(³)	106

¹ Data not shown where base is less than 100,000.

² The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband or wife is in the Armed Forces and persons in unrelated subfamilies.

³ Data on Hispanic wage and salary earners for 1985 are not

available on a revised basis that reflects the adjustments to the population totals introduced in January 1986.

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
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-75. Median weekly earnings of full-time wage and salary workers by occupation and sex

Occupation and sex	Number of workers (in thousands)		Median weekly earnings	
	III 1985	III 1986	III 1985	III 1986
TOTAL				
Managerial and professional specialty	19,681	20,103	\$491	\$502
Executive, administrative, and managerial	9,661	9,646	500	504
Professional specialty	10,020	10,456	483	501
Technical, sales, and administrative support	23,678	24,516	304	320
Technicians and related support	2,859	2,901	387	416
Sales occupations	7,216	7,691	327	355
Administrative support, including clerical	13,603	13,924	282	297
Service occupations	8,255	8,500	212	219
Private household	348	361	116	105
Protective service	1,505	1,675	380	378
Service, except private household and protective	6,402	6,464	201	207
Precision production, craft, and repair	11,203	11,032	393	402
Mechanics and repairers	3,952	3,766	395	402
Construction trades	3,443	3,601	392	397
Other precision production, craft, and repair	3,808	3,664	393	409
Operators, fabricators, and laborers	14,658	15,220	296	303
Machine operators, assemblers, and inspectors	7,348	7,650	286	291
Transportation and material moving occupations	3,779	3,864	371	381
Handlers, equipment cleaners, helpers, and laborers	3,531	3,706	248	263
Farming, forestry, and fishing	1,537	1,558	203	211
Men				
Managerial and professional specialty	11,225	11,236	585	613
Executive, administrative, and managerial	5,994	5,884	596	622
Professional specialty	5,232	5,352	572	608
Technical, sales, and administrative support	8,842	9,086	411	445
Technicians and related support	1,614	1,663	447	486
Sales occupations	4,184	4,444	424	466
Administrative support, including clerical	3,044	2,979	384	401
Service occupations	4,091	4,076	265	273
Private household	18	16	(¹)	(¹)
Protective service	1,318	1,483	391	393
Service, except private household and protective	2,754	2,577	226	230
Precision production, craft, and repair	10,230	10,152	405	412
Mechanics and repairers	3,797	3,646	395	401
Construction trades	3,363	3,534	395	397
Other precision production, craft, and repair	3,070	2,972	427	453
Operators, fabricators, and laborers	11,193	11,520	327	335
Machine operators, assemblers, and inspectors	4,579	4,652	342	351
Transportation and material moving occupations	3,613	3,698	376	385
Handlers, equipment cleaners, helpers, and laborers	3,001	3,170	256	268
Farming, forestry, and fishing	1,375	1,385	207	216
Women				
Managerial and professional specialty	8,456	8,867	401	414
Executive, administrative, and managerial	3,668	3,762	389	392
Professional specialty	4,788	5,105	408	428
Technical, sales, and administrative support	14,836	15,431	268	280
Technicians and related support	1,245	1,238	331	342
Sales occupations	3,032	3,247	232	236
Administrative support, including clerical	10,559	10,945	267	282
Service occupations	4,165	4,423	180	192
Private household	330	345	113	104
Protective service	187	192	279	262
Service, except private household and protective	3,648	3,886	183	196
Precision production, craft, and repair	973	880	268	268
Mechanics and repairers	155	120	394	445
Construction trades	80	67	(¹)	(¹)
Other precision production, craft, and repair	737	693	247	251
Operators, fabricators, and laborers	3,465	3,700	214	222
Machine operators, assemblers, and inspectors	2,769	2,997	213	219
Transportation and material moving occupations	166	167	249	284
Handlers, equipment cleaners, helpers, and laborers	530	536	211	234
Farming, forestry, and fishing	162	172	170	170

¹ Data not shown where base is less than 100,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-76. Employment status of the civilian noninstitutional population in metropolitan, nonmetropolitan, urban, and rural areas by sex, age, race, and Hispanic origin

(Numbers in thousands)

Employment status, sex, age, race, and Hispanic origin	3rd Quarter 1986							
	Metropolitan areas			Nonmetropolitan areas			Urban areas	Rural areas
	Total	Central cities	Suburbs	Total	Farm	Nonfarm		
TOTAL								
Civilian noninstitutional population	140,149	56,686	83,463	40,686	2,977	37,709	133,311	47,524
Civilian labor force	93,717	36,600	57,117	25,622	2,129	23,493	88,265	31,075
Percent of population	66.9	64.6	68.4	63.0	71.5	62.3	66.2	65.4
Employed	87,549	33,532	54,018	23,642	2,072	21,571	82,110	29,082
Unemployed	6,168	3,069	3,099	1,979	57	1,922	6,154	1,993
Unemployment rate	6.6	8.4	5.4	7.7	2.7	8.2	7.0	6.4
Not in labor force	46,432	20,086	26,346	15,064	848	14,216	45,047	16,450
Men, 20 years and over								
Civilian noninstitutional population	60,862	24,154	36,709	17,771	1,429	16,342	57,383	21,250
Civilian labor force	48,316	18,571	29,745	13,353	1,226	12,127	45,130	16,539
Percent of population	79.4	76.9	81.0	75.1	85.8	74.2	78.6	77.8
Employed	45,694	17,222	28,472	12,501	1,212	11,288	42,514	15,680
Unemployed	2,623	1,350	1,273	852	14	838	2,616	859
Unemployment rate	5.4	7.3	4.3	6.4	1.1	6.9	5.8	5.2
Not in labor force	12,546	5,582	6,964	4,418	203	4,215	12,253	4,711
Women, 20 years and over								
Civilian noninstitutional population	68,091	26,223	39,868	19,623	1,300	18,322	65,462	22,231
Civilian labor force	38,563	15,832	22,931	10,243	726	9,516	36,764	12,042
Percent of population	56.6	55.4	57.5	52.2	55.9	51.9	56.1	54.2
Employed	36,168	14,489	21,719	9,453	699	8,754	34,376	11,265
Unemployed	2,375	1,163	1,212	790	27	763	2,388	777
Unemployment rate	6.2	7.4	5.3	7.7	3.7	8.0	6.5	6.5
Not in labor force	29,528	12,591	16,937	9,380	574	8,806	28,718	10,189
Both sexes, 16 to 19 years								
Civilian noninstitutional population	11,196	4,310	6,686	3,293	248	3,045	10,446	4,043
Civilian labor force	6,838	2,397	4,441	2,026	176	1,850	6,371	2,494
Percent of population	61.1	55.6	64.5	61.5	71.0	60.8	61.0	61.7
Employed	5,668	1,841	3,827	1,869	160	1,529	5,220	2,137
Unemployed	1,170	556	614	337	16	321	1,150	356
Unemployment rate	17.1	23.2	13.6	16.6	9.0	17.4	18.1	14.3
Not in labor force	4,358	1,913	2,446	1,267	72	1,195	4,075	1,550
White								
Civilian noninstitutional population	119,148	42,605	76,543	36,461	2,897	33,564	111,660	43,949
Civilian labor force	79,999	27,839	52,160	23,049	2,077	20,972	74,234	28,814
Percent of population	67.1	65.3	68.1	63.2	71.7	62.5	66.5	65.6
Employed	75,614	26,041	49,573	21,463	2,026	19,437	69,954	27,123
Unemployed	4,385	1,798	2,587	1,586	51	1,535	4,280	1,690
Unemployment rate	5.5	6.5	5.0	6.9	2.4	7.3	5.8	5.9
Not in labor force	39,150	14,766	24,364	13,412	820	12,592	37,426	15,135
Black								
Civilian noninstitutional population	16,552	11,799	4,753	3,477	67	3,410	17,157	2,871
Civilian labor force	10,696	7,288	3,428	2,126	42	2,084	11,018	1,804
Percent of population	64.6	61.6	72.1	61.1	62.3	61.1	64.2	62.8
Employed	9,117	6,111	3,005	1,796	36	1,759	9,350	1,562
Unemployed	1,580	1,157	423	330	5	324	1,668	242
Unemployment rate	14.8	15.9	12.3	15.5	(¹)	15.6	15.1	13.4
Not in labor force	5,855	4,531	1,324	1,351	25	1,326	6,139	1,067
Hispanic origin								
Civilian noninstitutional population	11,444	6,746	4,699	953	46	907	11,370	1,027
Civilian labor force	7,650	4,387	3,263	611	29	582	7,553	708
Percent of population	66.8	65.0	69.4	64.1	(¹)	64.1	66.4	68.9
Employed	6,858	3,892	2,966	525	28	497	6,752	631
Unemployed	792	495	297	86	1	85	801	76
Unemployment rate	10.4	11.3	9.1	14.0	(¹)	14.6	10.6	10.8
Not in labor force	3,795	2,359	1,436	342	16	325	3,817	320

¹ Data not shown where base is less than 60,000.

NOTE: Data 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. These data are based on 1980 census designations and are not comparable to data published through the first quarter of 1984.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-77. Employment status of the civilian noninstitutional population in poverty and nonpoverty areas by race and Hispanic origin

(Numbers in thousands)

Employment status, race, and Hispanic origin	3rd Quarter 1986					
	Total United States		Metropolitan areas		Nonmetropolitan areas	
	Poverty areas	Nonpoverty areas	Poverty areas	Nonpoverty areas	Poverty areas	Nonpoverty areas
TOTAL						
Civilian noninstitutional population	27,985	152,850	18,494	121,655	9,491	31,195
Civilian labor force	16,179	103,160	10,516	83,201	5,663	19,959
Percent of population	57.8	67.5	56.9	68.4	59.7	64.0
Employed	14,004	97,188	8,977	78,573	5,027	18,615
Unemployed	2,175	5,972	1,539	4,629	636	1,344
Unemployment rate	13.4	5.8	14.6	5.6	11.2	6.7
Men, 20 years and over	11.7	4.7	13.0	4.5	9.4	5.5
Women, 20 years and over	12.2	5.6	12.7	5.3	11.2	6.7
Both sexes, 16 to 19 years	31.0	14.6	35.3	14.6	23.1	14.7
Men	29.7	15.1	34.1	15.1	22.4	15.1
Women	32.6	14.2	36.8	14.1	24.2	14.4
Not in labor force	11,806	49,690	7,978	38,454	3,828	11,236
White						
Civilian noninstitutional population	16,606	139,004	9,680	109,469	6,926	29,535
Civilian labor force	9,762	93,285	5,584	74,415	4,178	18,871
Percent of population	58.8	67.1	57.7	68.0	60.3	63.9
Employed	8,793	88,284	4,982	70,632	3,811	17,652
Unemployed	969	5,001	602	3,783	367	1,219
Unemployment rate	9.9	5.4	10.8	5.1	8.8	6.5
Men, 20 years and over	8.6	4.4	9.3	4.1	7.7	5.4
Women, 20 years and over	9.5	5.2	10.1	4.9	8.6	6.3
Both sexes, 16 to 19 years	21.8	13.4	25.4	13.1	17.4	14.3
Men	20.5	13.8	21.8	13.6	18.8	14.5
Women	23.5	12.9	29.7	12.6	15.6	14.0
Not in labor force	6,844	45,718	4,096	35,054	2,748	10,664
Black						
Civilian noninstitutional population	10,335	9,693	8,102	8,450	2,233	1,243
Civilian labor force	5,829	6,993	4,533	6,163	1,296	830
Percent of population	56.4	72.1	56.0	72.9	58.0	66.7
Employed	4,698	6,215	3,638	5,478	1,059	737
Unemployed	1,132	778	895	685	237	93
Unemployment rate	19.4	11.1	19.7	11.1	18.3	11.2
Men, 20 years and over	17.6	9.0	18.7	9.3	14.2	6.6
Women, 20 years and over	16.3	10.1	15.8	9.6	18.3	13.9
Both sexes, 16 to 19 years	45.0	31.5	46.5	32.4	39.8	24.3
Men	43.0	32.2	47.2	32.9	31.7	(¹)
Women	47.5	30.8	45.7	32.0	(¹)	(¹)
Not in labor force	4,506	2,701	3,568	2,287	937	414
Hispanic origin						
Civilian noninstitutional population	4,170	8,227	3,781	7,663	388	564
Civilian labor force	2,405	5,855	2,177	5,473	228	382
Percent of population	57.7	71.2	57.6	71.4	58.8	67.8
Employed	2,079	5,304	1,881	4,977	198	328
Unemployed	327	551	296	496	31	55
Unemployment rate	13.6	9.4	13.6	9.1	13.4	14.4
Men, 20 years and over	11.8	7.9	11.5	7.5	14.3	12.5
Women, 20 years and over	12.3	8.8	12.7	8.4	7.9	14.9
Both sexes, 16 to 19 years	28.5	24.2	29.5	24.1	21.1	26.4
Men	24.2	24.9	25.2	24.9	(¹)	(¹)
Women	35.7	23.4	36.3	23.1	(¹)	(¹)
Not in labor force	1,764	2,372	1,604	2,190	160	182

¹ Data not shown where base is less than 60,000.

NOTE: Data 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. These data are based on 1980 census designations and are not comparable to data published through the first quarter of 1984.

**ESTABLISHMENT DATA
HISTORICAL EMPLOYMENT**

B-1. Employees on nonagricultural payrolls by major industry, 1934 to date

(In thousands)

Year and month	Total	Total private	Goods-producing				Service-producing						Government		
			Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Government		
													Federal	State	Local
Annual averages															
1934	25,940	22,641	10,261	883	877	8,501	15,679	2,750	(¹)	(¹)	1,304	3,045	652	(¹)	(¹)
1935	27,039	23,558	10,893	897	927	9,069	16,146	2,786	(¹)	(¹)	1,320	3,128	753	(¹)	(¹)
1936	29,068	25,400	11,933	946	1,160	9,827	17,135	2,973	(¹)	(¹)	1,373	3,312	826	(¹)	(¹)
1937	31,011	27,255	12,936	1,015	1,127	10,794	18,075	3,134	(¹)	(¹)	1,417	3,503	833	(¹)	(¹)
1938	29,194	25,311	11,401	891	1,070	9,440	17,793	2,863	(¹)	(¹)	1,410	3,458	829	(¹)	(¹)
1939	30,603	26,608	12,297	854	1,165	10,278	18,306	2,936	(¹)	(¹)	1,447	3,502	905	(¹)	(¹)
1940	32,361	28,159	13,221	925	1,311	10,985	19,140	3,038	1,835	4,914	1,485	3,665	996	(¹)	(¹)
1941	36,539	31,877	15,963	957	1,814	13,192	20,574	3,274	1,960	5,251	1,525	3,905	1,340	(¹)	(¹)
1942	40,106	34,824	18,470	992	2,198	15,280	21,636	3,460	1,906	5,212	1,509	4,066	2,213	(¹)	(¹)
1943	42,434	36,356	20,114	925	1,587	17,602	22,320	3,647	1,822	5,160	1,481	4,130	2,905	(¹)	(¹)
1944	41,864	35,822	19,328	892	1,108	17,328	22,536	3,829	1,845	5,214	1,461	4,145	2,928	(¹)	(¹)
1945	40,374	34,431	17,507	836	1,147	15,524	22,867	3,906	1,849	5,365	1,481	4,222	2,808	(¹)	(¹)
1946	41,652	36,056	17,248	862	1,683	14,703	24,404	4,061	2,291	6,084	1,675	4,697	2,254	(¹)	(¹)
1947	43,857	38,382	18,509	955	2,009	15,545	25,348	4,166	2,471	8,485	1,728	5,025	1,892	(¹)	(¹)
1948	44,866	39,216	18,774	994	2,198	15,582	26,092	4,189	2,605	6,667	1,800	5,181	1,863	(¹)	(¹)
1949	43,754	37,897	17,565	930	2,194	14,441	26,189	4,001	2,602	6,662	1,828	5,240	1,908	(¹)	(¹)
1950	45,197	39,170	18,506	901	2,364	15,241	26,691	4,034	2,635	6,751	1,888	5,357	1,928	(¹)	(¹)
1951	47,819	41,430	19,959	929	2,637	16,393	27,860	4,226	2,727	7,015	1,956	5,547	2,302	(¹)	(¹)
1952	46,793	42,185	20,198	898	2,668	16,632	26,595	4,248	2,812	7,192	2,035	5,699	2,420	(¹)	(¹)
1953	50,202	43,556	21,074	866	2,659	17,549	29,128	4,290	2,854	7,393	2,111	5,835	2,305	(¹)	(¹)
1954	48,990	42,238	19,751	791	2,646	16,314	29,239	4,084	2,867	7,368	2,200	5,969	2,188	(¹)	(¹)
1955	50,641	43,727	20,513	792	2,839	16,882	30,128	4,141	2,926	7,610	2,298	6,240	2,187	(¹)	(¹)
1956	52,369	45,091	21,104	822	3,039	17,243	31,266	4,244	3,018	7,840	2,389	6,497	2,209	1,250	3,819
1957	52,853	45,239	20,964	828	2,962	17,174	31,889	4,241	3,028	7,858	2,438	6,708	2,217	1,326	4,071
1958	51,324	43,463	19,513	751	2,817	15,945	31,811	3,976	2,960	7,770	2,481	6,765	2,191	1,415	4,232
1959 ²	53,268	45,186	20,411	732	3,004	16,675	32,857	4,011	3,082	8,045	2,549	7,087	2,233	1,484	4,366
1960	54,189	45,836	20,434	712	2,926	16,796	33,755	4,004	3,143	8,248	2,629	7,378	2,270	1,536	4,547
1961	53,999	45,404	19,857	672	2,859	16,326	34,142	3,903	3,133	8,204	2,688	7,620	2,279	1,807	4,708
1962	55,549	46,660	20,451	650	2,948	16,853	35,098	3,906	3,198	8,368	2,754	7,982	2,340	1,668	4,881
1963	56,653	47,429	20,640	635	3,010	16,995	36,013	3,903	3,248	8,530	2,830	8,277	2,358	1,747	5,121
1964	58,283	48,686	21,005	634	3,097	17,274	37,278	3,951	3,337	8,823	2,911	8,660	2,348	1,856	5,392
1965	60,765	50,689	21,926	632	3,232	18,062	38,839	4,036	3,466	9,250	2,977	9,036	2,378	1,996	5,700
1966	63,901	53,116	23,158	627	3,317	19,214	40,743	4,158	3,597	9,648	3,058	9,498	2,564	2,141	6,080
1967	65,803	54,413	23,308	613	3,248	19,447	42,495	4,268	3,689	9,917	3,185	10,045	2,719	2,302	6,371
1968	67,897	56,058	23,737	606	3,350	19,781	44,160	4,318	3,779	10,320	3,337	10,567	2,737	2,442	6,660
1969	70,384	58,189	24,361	619	3,575	20,167	46,023	4,442	3,907	10,798	3,512	11,169	2,758	2,533	6,904
1970	70,880	58,325	23,578	623	3,588	19,367	47,302	4,515	3,993	11,047	3,645	11,548	2,731	2,664	7,158
1971	71,214	58,331	22,935	609	3,704	18,623	48,278	4,476	4,001	11,351	3,772	11,797	2,696	2,747	7,437
1972	73,675	60,341	23,668	628	3,889	19,151	50,007	4,541	4,113	11,836	3,908	12,276	2,684	2,859	7,790
1973	76,790	63,058	24,893	642	4,097	20,154	51,897	4,656	4,277	12,329	4,046	12,857	2,663	2,923	8,146
1974	78,265	64,095	24,794	697	4,020	20,077	53,471	4,725	4,433	12,554	4,148	13,441	2,724	3,039	8,407
1975	76,945	62,259	22,600	752	3,525	18,323	54,345	4,542	4,415	12,645	4,165	13,892	2,748	3,179	8,758
1976	79,382	64,511	23,352	779	3,576	18,997	56,030	4,582	4,546	13,209	4,271	14,551	2,733	3,273	8,865
1977	82,471	67,344	24,346	813	3,851	19,682	58,125	4,713	4,708	13,808	4,467	15,303	2,727	3,377	9,023
1978	86,697	71,026	25,585	851	4,229	20,505	61,113	4,923	4,969	14,573	4,724	16,252	2,753	3,474	9,446
1979	89,823	73,876	26,461	958	4,463	21,040	63,363	5,136	5,204	14,989	4,975	17,112	2,773	3,541	9,633
1980	90,406	74,166	25,658	1,027	4,346	20,285	64,748	5,146	5,275	15,035	5,160	17,890	2,866	3,610	9,765
1981	91,156	75,126	25,497	1,139	4,188	20,170	65,659	5,165	5,358	15,189	5,298	18,619	2,772	3,640	9,619
1982	89,566	73,729	23,813	1,128	3,905	18,781	65,753	5,082	5,278	15,179	5,341	19,036	2,739	3,640	9,458
1983	90,200	74,330	23,334	952	3,948	18,434	66,866	4,954	5,268	15,613	5,468	19,694	2,774	3,662	9,434
1984	94,496	78,472	24,727	966	4,383	19,378	69,769	5,159	5,555	16,545	5,689	20,797	2,807	3,734	9,482
1985	97,614	81,199	24,930	930	4,687	19,314	72,684	5,242	5,740	17,360	5,953	21,974	2,875	3,848	9,692
Monthly data, seasonally adjusted															
1985:															
September	98,128	81,592	24,843	917	4,728	19,198	73,285	5,257	5,777	17,489	6,014	22,212	2,899	3,878	9,759
October	98,428	81,853	24,903	913	4,754	19,236	73,525	5,260	5,796	17,543	6,038	22,313	2,895	3,895	9,785
November	98,666	82,073	24,931	907	4,765	19,259	73,735	5,272	5,796	17,589	6,070	22,415	2,904	3,901	9,788
December	98,910	82,281	24,977	901	4,787	19,289	73,933	5,277	5,809	17,622	6,095	22,501	2,913	3,904	9,812
1986:															
January	99,296	82,659	25,101	897	4,901	19,303	74,195	5,286	5,830	17,734	6,123	22,585	2,918	3,916	9,803
February	99,429	82,748	25,038	880	4,864	19,294	74,391	5,277	5,843	17,795	6,157	22,638	2,918	3,924	9,839
March	99,484	82,785	24,945	852	4,838	19,255	74,539	5,280	5,841	17,828	6,184	22,707	2,923	3,927	9,849
April	99,783	83,072	25,038	821	4,972	19,245	74,745	5,266	5,864	17,851	6,228	22,825	2,914	3,938	9,859
May	99,918	83,198	24,965	790	4,974	19,201	74,953	5,265	5,872	17,911	6,261	22,924	2,899	3,936	9,885
June	99,843	83,161	24,854	772	4,947	19,135	74,989	5,167	5,829	17,944	6,295	23,072	2,875	3,927	9,880
July	100,105	83,508	24,869	768	4,980	19,121	75,236	5,288	5,849	17,992	6,334	23,176	2,866	3,921	9,810
August ^P	100,261	83,641	24,886	752	5,012	19,122	75,375	5,250	5,872	18,026	6,365	23,242	2,876	3,917	9,827
September ^P	100,368	83,746	24,843	745	5,014	19,084	75,525	5,279	5,874	18,069	6,365	23,296	2,911	3,902	9,809

¹ Not available.

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

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1985) and all seasonally adjusted data (beginning January 1982) are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Total		97,782	98,643	99,998	100,168	100,899	-	-	-	-	-
Total private		82,241	82,383	84,167	84,481	84,545	66,544	66,673	68,069	68,361	68,419
Mining		933	924	776	761	750	663	657	538	533	524
Metal mining	10	46.3	45.1	42.9	40.2	-	34.0	33.2	31.6	29.5	-
Iron ores	101	10.5	9.3	9.7	7.6	-	8.0	7.0	7.5	5.6	-
Copper ores	102	13.2	12.8	12.0	12.0	-	9.5	9.3	9.2	9.2	-
Coal mining	11,12	187.4	187.9	175.9	173.6	-	153.7	154.0	143.5	141.8	-
Bituminous coal and lignite mining	12	185.5	186.0	173.6	171.4	-	152.1	152.5	141.6	140.0	-
Oil and gas extraction	13	583.3	575.1	442.0	432.9	424.7	386.1	381.4	274.9	272.8	-
Crude petroleum, natural gas, and natural gas liquids ...	131,2	259.9	256.2	233.9	226.8	-	121.6	119.5	111.7	110.9	-
Oil and gas field services	138	323.4	318.9	208.1	206.1	-	264.5	261.9	163.2	161.9	-
Nonmetallic minerals, except fuels	14	116.1	115.8	114.7	114.7	-	89.3	88.8	88.1	88.4	-
Crushed and broken stone	142	40.4	40.3	39.9	40.0	-	33.0	32.9	32.3	32.5	-
Sand and gravel	144	36.6	36.2	36.4	36.5	-	-	-	-	-	-
Chemical and fertilizer minerals	147	19.9	20.1	19.6	19.3	-	-	-	-	-	-
Construction		5,032	5,022	5,289	5,363	5,325	3,995	3,988	4,194	4,266	4,224
General building contractors	15	1,342.7	1,331.2	1,382.3	1,392.8	1,365.1	1,018.5	1,008.6	1,036.4	1,048.0	-
Residential building construction	152	664.7	654.7	699.7	706.1	-	492.3	482.3	512.5	519.1	-
Operative builders	153	62.7	60.9	60.6	59.8	-	33.8	33.2	32.8	33.2	-
Nonresidential building construction	154	615.3	615.6	622.0	626.9	-	492.4	493.1	491.1	495.7	-
Heavy construction contractors	16	859.4	859.5	839.7	849.7	-	718.4	720.0	709.4	718.8	-
Highway and street construction	161	309.9	309.4	329.0	336.1	-	266.0	265.9	282.1	288.0	-
Heavy construction, except highway	162	549.5	550.1	510.7	513.6	-	452.4	454.1	427.3	430.8	-
Special trade contractors	17	2,830.3	2,830.8	3,067.3	3,120.4	-	2,258.1	2,258.9	2,448.5	2,499.4	-
Plumbing, heating, and air conditioning	171	631.5	632.2	667.0	673.7	-	470.0	471.2	493.3	501.1	-
Painting, paper hanging, and decorating	172	180.8	179.5	192.1	193.2	-	151.5	150.9	162.7	163.5	-
Electrical work	173	507.5	509.9	544.7	553.4	-	392.6	396.2	424.7	433.3	-
Masonry, stonework, and plastering	174	461.5	462.4	511.2	525.1	-	398.8	397.9	439.2	452.9	-
Carpentering and flooring	175	169.2	170.4	191.6	196.6	-	129.6	129.6	149.2	153.3	-
Roofing and sheet metal work	176	213.6	214.6	225.9	230.5	-	175.9	176.7	185.0	189.4	-
Manufacturing		19,366	19,402	19,058	19,236	19,280	13,153	13,213	12,871	13,047	13,126
Durable goods		11,471	11,503	11,257	11,296	11,335	7,595	7,641	7,387	7,426	7,489
Lumber and wood products	24	725.8	722.9	743.4	755.7	754.2	612.6	610.1	622.8	635.3	634.6
Logging camps and logging contractors	241	87.6	87.9	85.5	89.5	-	71.8	72.5	73.0	77.1	-
Sawmills and planing mills	242	200.9	199.2	200.6	206.1	-	178.1	176.7	173.9	179.4	-
Sawmills and planing mills, general	2421	166.1	164.7	165.9	170.4	-	147.6	146.6	143.5	148.0	-
Hardwood dimension and flooring	2426	31.2	30.9	31.1	32.0	-	27.4	27.1	27.3	28.2	-
Millwork, plywood, and structural members	243	242.1	240.4	264.9	266.6	-	202.9	201.1	220.6	221.9	-
Millwork	2431	94.9	93.2	103.7	103.9	-	77.4	75.9	84.3	84.4	-
Wood kitchen cabinets	2434	63.2	63.5	70.0	70.9	-	51.9	52.0	57.0	57.6	-
Hardwood veneer and plywood	2435	23.2	23.0	24.5	25.1	-	20.4	20.2	21.4	22.0	-
Softwood veneer and plywood	2436	38.1	38.4	41.4	41.0	-	35.2	35.4	38.1	37.7	-
Wood containers	244	42.3	42.1	43.7	42.9	-	35.8	35.6	37.2	36.5	-
Wood buildings and mobile homes	245	76.2	75.6	72.0	73.4	-	59.8	59.0	54.7	56.3	-
Mobile homes	2451	53.8	53.5	49.2	50.5	-	44.1	43.6	39.2	40.6	-
Miscellaneous wood products	249	76.7	77.7	76.7	77.2	-	64.2	65.2	63.4	64.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Durable goods—Continued											
Furniture and fixtures	25	492.6	493.2	484.2	496.9	497.5	392.7	394.0	385.4	397.6	398.9
Household furniture	251	291.2	292.7	283.1	293.1	-	242.8	245.0	236.3	246.0	-
Wood household furniture	2511	131.1	132.0	126.5	131.2	-	114.1	115.2	109.7	114.3	-
Upholstered household furniture	2512	91.5	91.6	90.8	94.0	-	74.7	75.0	75.0	78.0	-
Metal household furniture	2514	24.7	25.0	26.3	26.8	-	19.5	19.8	20.8	21.3	-
Mattresses and bedsprings	2515	29.7	29.4	27.5	28.6	-	22.6	22.6	20.9	21.9	-
Office furniture	252	66.9	65.9	66.9	67.8	-	51.5	50.9	52.3	53.2	-
Public building and related furniture	253	26.6	26.7	26.2	26.7	-	20.4	20.4	20.0	20.3	-
Partitions and fixtures	254	69.3	69.3	70.5	71.5	-	51.2	51.1	51.1	52.1	-
Miscellaneous furniture and fixtures	259	38.6	38.6	37.5	37.8	-	26.8	26.6	25.7	26.0	-
Stone, clay, and glass products	32	606.3	605.0	605.4	608.7	609.4	467.2	465.9	468.5	470.8	472.2
Flat glass	321	15.4	15.6	14.8	14.8	-	12.1	12.1	11.6	11.5	-
Glass and glassware, pressed or blown	322	91.6	92.2	91.5	92.9	-	78.0	78.6	78.0	79.2	-
Glass containers	3221	47.6	47.7	48.5	48.8	-	42.4	42.5	43.6	43.9	-
Pressed and blown glass, nec	3229	44.0	44.5	43.0	44.1	-	35.6	36.1	34.4	35.3	-
Products of purchased glass	323	51.6	51.8	54.0	54.0	-	36.2	36.6	38.3	38.2	-
Cement, hydraulic	324	23.7	23.2	23.2	23.1	-	18.6	18.2	18.2	18.2	-
Structural clay products	325	38.9	38.6	37.8	37.8	-	30.3	29.9	29.4	29.4	-
Pottery and related products	326	36.4	36.8	35.1	35.0	-	28.6	28.8	27.6	27.5	-
Concrete, gypsum, and plaster products	327	220.7	219.6	224.9	226.0	-	173.2	172.0	176.3	177.1	-
Concrete block and brick	3271	19.9	19.8	20.6	20.8	-	13.7	13.4	13.8	13.9	-
Concrete products, nec	3272	73.3	73.1	72.7	73.4	-	56.5	56.3	55.9	56.4	-
Ready-mixed concrete	3273	107.0	106.3	110.3	110.8	-	87.1	86.5	90.1	90.6	-
Misc. nonmetallic mineral products	329	115.9	115.0	112.5	112.9	-	80.6	80.2	80.1	80.2	-
Abrasive products	3291	21.1	20.9	19.9	19.8	-	13.6	13.4	13.2	13.1	-
Asbestos products	3292	10.6	10.4	10.0	10.3	-	8.0	7.9	7.5	7.8	-
Mineral wool	3296	27.6	27.5	27.5	27.4	-	-	-	-	-	-
Primary metal industries	33	796.6	795.5	753.0	740.1	740.2	600.9	602.1	563.4	549.4	551.8
Blast furnaces and basic steel products	331	294.2	292.0	287.7	265.5	261.0	224.5	223.3	222.2	199.1	196.0
Blast furnaces and steel mills	3312	228.2	225.9	223.5	200.8	-	176.6	175.4	174.8	151.5	-
Steel pipe and tubes	3317	23.7	24.2	22.0	22.4	-	17.4	17.6	15.9	16.1	-
Iron and steel foundries	332	141.9	141.3	130.8	132.7	-	111.7	111.4	101.6	103.5	-
Gray iron foundries	3321	89.3	89.0	81.2	83.3	-	72.6	72.4	65.5	67.6	-
Malleable iron foundries	3322	10.0	9.9	8.7	9.6	-	7.1	7.2	6.3	6.8	-
Steel foundries, nec	3325	29.0	29.1	27.1	25.9	-	21.8	21.8	19.5	18.8	-
Primary nonferrous metals	333	44.1	43.9	36.2	36.9	-	31.7	31.5	23.7	24.4	-
Primary aluminum	3334	24.5	24.6	18.8	19.4	-	18.3	18.5	11.8	12.5	-
Nonferrous rolling and drawing	335	188.1	189.4	177.2	181.5	-	132.6	134.5	122.0	125.8	-
Copper rolling and drawing	3351	23.9	24.1	23.5	23.3	-	18.1	18.5	18.2	18.1	-
Aluminum sheet, plate, and foil	3353	31.4	31.5	27.8	29.0	-	22.4	22.6	19.1	20.1	-
Nonferrous wire drawing and insulating	3357	79.7	80.5	75.9	76.6	-	56.8	57.6	51.5	52.4	-
Nonferrous foundries	336	84.8	85.1	79.5	82.0	-	68.3	68.8	63.2	65.9	-
Aluminum foundries	3361	52.6	53.3	49.9	50.9	-	43.0	43.8	40.5	41.7	-
Fabricated metal products	34	1,464.1	1,471.6	1,415.3	1,431.4	1,443.0	1,081.7	1,090.1	1,039.7	1,055.4	1,069.1
Metal cans and shipping containers	341	59.1	58.9	58.9	59.1	-	50.5	50.5	50.4	50.8	-
Metal cans	3411	47.5	47.1	47.2	47.5	-	41.4	41.2	41.4	41.7	-
Cutlery, hand tools, and hardware	342	141.9	142.6	138.1	139.4	-	104.5	105.1	100.5	101.6	-
Hand and edge tools, and hand saws and blades	3423,5	48.2	48.5	46.5	47.3	-	35.3	35.5	33.7	34.3	-
Hardware, nec	3429	80.7	80.9	78.3	78.5	-	60.5	60.8	58.0	58.2	-
Plumbing and heating, except electric	343	65.5	66.1	63.5	66.1	-	46.7	47.3	44.7	47.4	-
Plumbing fittings and brass goods	3432	24.6	24.8	24.9	25.2	-	18.0	18.2	17.9	18.2	-
Heating equipment, except electric	3433	29.8	30.1	28.6	30.4	-	20.3	20.5	19.5	21.3	-
Fabricated structural metal products	344	446.3	448.5	437.0	440.9	-	313.7	315.6	307.9	312.0	-
Fabricated structural metal	3441	78.8	78.7	74.0	74.3	-	56.6	56.5	52.4	52.6	-
Metal doors, sash, and trim	3442	92.0	92.4	95.9	96.1	-	68.7	68.9	72.2	72.1	-
Fabricated plate work (boiler shops)	3443	100.4	101.2	93.0	94.0	-	62.9	63.6	57.3	58.8	-
Sheet metal work	3444	112.4	112.7	109.4	111.1	-	83.0	83.5	81.2	82.8	-
Architectural metal work	3446	27.8	28.2	28.5	28.9	-	19.9	20.3	20.9	21.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Durable goods—Continued											
Fabricated metal products—Continued											
Screw machine products, bolts, etc	345	96.6	96.8	94.0	95.7	-	73.8	74.0	70.9	72.7	-
Screw machine products	3451	45.6	45.6	43.6	44.3	-	37.0	37.1	35.1	35.9	-
Bolts, nuts, rivets, and washers	3452	51.0	51.2	50.4	51.4	-	36.8	36.9	35.8	36.8	-
Metal forgings and stampings	346	240.3	244.7	227.7	228.3	-	191.7	196.4	181.0	181.6	-
Iron and steel forgings	3462	34.8	34.9	31.9	31.5	-	26.4	26.6	24.2	23.9	-
Automotive stampings	3465	101.5	105.2	97.4	95.8	-	86.5	90.3	82.5	81.1	-
Metal stampings, nec	3469	93.5	94.2	87.9	90.4	-	71.3	71.9	66.7	68.8	-
Metal services, nec	347	111.0	111.1	108.2	113.0	-	88.7	89.1	85.9	90.6	-
Plating and polishing	3471	74.2	73.9	71.2	74.9	-	60.2	60.2	56.9	60.6	-
Metal coating and allied services	3479	36.8	37.2	37.0	38.1	-	28.5	28.9	29.0	30.0	-
Ordnance and accessories, nec	348	79.7	79.8	78.8	78.6	-	51.0	51.0	49.4	48.0	-
Ammunition, except for small arms, nec	3483	42.7	43.0	44.6	46.3	-	27.1	27.5	27.6	28.5	-
Misc. fabricated metal products	349	223.7	223.1	209.1	210.3	-	161.1	161.1	149.0	150.7	-
Valves and pipe fittings	3494	86.2	86.2	79.9	79.3	-	58.1	58.1	52.1	52.0	-
Misc. fabricated wire products	3496	51.3	51.3	50.3	50.8	-	38.8	38.9	38.1	38.4	-
Machinery, except electrical	35	2,152.8	2,149.7	2,073.0	2,064.7	2,050.5	1,283.8	1,287.5	1,231.3	1,227.7	1,215.7
Engines and turbines	351	99.2	100.0	95.5	95.1	-	60.8	61.6	59.0	58.6	-
Turbines and turbine generator sets	3511	32.6	33.0	32.1	31.5	-	16.8	17.2	17.2	17.0	-
Internal combustion engines, nec	3519	66.6	67.0	63.4	63.6	-	44.0	44.4	41.8	41.6	-
Farm and garden machinery	352	93.7	94.5	92.7	89.8	-	62.9	64.4	62.6	59.7	-
Farm machinery and equipment	3523	72.8	73.2	69.4	67.6	-	47.2	48.3	45.1	43.7	-
Construction and related machinery	353	251.8	250.8	225.5	224.2	-	154.7	154.0	136.8	136.5	-
Construction machinery	3531	86.4	86.3	82.0	81.6	-	52.7	52.7	50.0	50.2	-
Mining machinery	3532	20.3	20.5	18.6	18.5	-	12.7	12.8	11.7	11.7	-
Oil field machinery	3533	65.0	64.5	44.8	43.4	-	40.8	40.3	26.5	25.4	-
Conveyors and conveying equipment	3535	29.6	29.3	30.8	30.9	-	15.9	15.9	16.2	16.3	-
Industrial trucks and tractors	3537	25.4	25.1	24.9	25.4	-	16.8	16.7	17.7	18.2	-
Metalworking machinery	354	308.4	309.5	302.4	303.1	-	219.9	221.1	214.5	215.0	-
Machine tools, metal cutting types	3541	54.4	54.7	51.8	51.4	-	34.0	34.4	32.3	32.1	-
Machine tools, metal forming types	3542	18.6	18.6	18.4	18.3	-	11.3	11.4	11.0	10.9	-
Special dies, tools, jigs, and fixtures	3544	140.8	141.5	142.8	143.9	-	109.2	109.9	110.2	110.9	-
Machine tool accessories	3545	55.0	55.1	53.2	53.1	-	38.5	38.3	36.9	36.8	-
Power driven hand tools	3546	22.2	22.0	20.1	20.4	-	15.9	16.1	14.4	14.6	-
Special industry machinery	355	167.3	167.3	159.2	158.6	-	99.4	99.6	93.6	93.2	-
Food products machinery	3551	38.3	38.5	38.3	38.1	-	23.3	23.5	22.9	22.5	-
Textile machinery	3552	18.4	18.1	17.2	17.7	-	12.3	12.2	11.4	11.8	-
Printing trades machinery	3555	29.7	29.7	28.4	28.3	-	17.0	17.0	16.5	16.3	-
General industrial machinery	356	268.4	267.8	260.4	260.4	-	170.5	170.6	164.2	165.3	-
Pumps and pumping equipment	3561	51.2	50.5	46.4	45.8	-	30.1	29.6	26.6	26.3	-
Ball and roller bearings	3562	46.3	46.5	45.1	45.3	-	34.7	35.0	33.6	33.9	-
Air and gas compressors	3563	24.7	24.5	24.2	24.1	-	14.3	14.0	13.5	13.7	-
Blowers and fans	3564	31.8	31.6	31.8	32.0	-	19.6	19.6	20.1	20.4	-
Speed changers, drives, and gears	3566	20.5	20.9	20.5	20.8	-	14.2	14.5	14.0	14.4	-
Power transmission equipment, nec	3568	16.4	16.4	15.7	15.6	-	11.3	11.2	10.5	10.3	-
Office and computing machines	357	509.2	501.3	482.5	478.4	-	182.7	179.3	166.3	164.7	-
Electronic computing equipment	3573	446.1	438.0	420.6	417.2	-	151.9	148.4	136.5	135.4	-
Refrigeration and service machinery	358	165.3	169.4	171.0	170.1	-	113.3	117.7	119.6	118.9	-
Refrigeration and heating equipment	3585	116.2	119.7	123.2	121.7	-	81.1	85.1	88.4	87.1	-
Misc. machinery, except electrical	359	289.5	289.1	283.8	285.0	-	219.6	219.2	214.7	215.8	-
Carburetors, pistons, rings, and valves	3592	36.4	36.7	33.9	35.3	-	29.1	29.3	27.3	28.9	-
Machinery, except electrical, nec	3599	253.1	252.4	249.9	249.7	-	190.5	189.9	187.4	186.9	-
Electrical and electronic equipment	36	2,195.2	2,188.1	2,160.8	2,168.9	2,172.5	1,284.0	1,281.1	1,231.3	1,243.7	1,254.4
Electric distributing equipment	361	115.9	115.4	115.4	116.2	-	82.9	82.7	83.8	84.2	-
Transformers	3612	53.6	53.2	53.9	54.4	-	38.6	38.6	40.1	40.4	-
Switchgear and switchboard apparatus	3613	62.3	62.2	61.5	61.8	-	44.3	44.1	43.7	43.8	-
Electrical industrial apparatus	362	196.3	196.2	197.3	196.2	-	137.4	138.1	137.3	136.8	-
Motors and generators	3621	97.8	98.2	99.0	98.2	-	75.8	76.1	76.3	75.6	-
Industrial controls	3622	61.8	61.7	62.2	61.8	-	37.0	37.3	36.6	36.5	-
Household appliances	363	136.2	135.9	134.6	136.7	-	106.5	106.1	104.1	106.8	-
Household refrigerators and freezers	3632	25.6	25.2	27.8	25.2	-	19.9	19.5	22.1	19.8	-
Household laundry equipment	3633	21.7	20.9	22.3	22.9	-	16.9	16.2	17.1	17.8	-
Electric housewares and fans	3634	38.0	38.6	35.2	38.1	-	29.2	29.6	25.9	29.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Durable goods—Continued											
Electrical and electronic equipment—Continued											
Electric lighting and wiring equipment	364	194.8	196.0	191.0	190.9	-	140.5	141.7	136.4	136.5	-
Electric lamps	3641	27.8	27.5	27.5	27.5	-	23.9	23.6	23.2	23.3	-
Current-carrying wiring devices	3643	79.2	79.5	77.4	76.7	-	51.1	51.4	50.1	49.1	-
Noncurrent-carrying wiring devices	3644	17.5	17.8	17.1	16.7	-	12.6	12.9	12.0	11.7	-
Residential lighting fixtures	3645	26.1	26.7	25.7	26.5	-	19.8	20.3	19.3	20.1	-
Radio and TV receiving equipment	365	83.1	83.9	78.2	79.6	-	57.5	58.0	52.8	54.4	-
Radio and TV receiving sets	3651	65.2	65.6	62.4	63.4	-	44.7	44.8	42.2	43.0	-
Communication equipment	366	661.9	658.6	662.6	659.9	-	289.4	286.3	272.5	273.0	-
Telephone and telegraph apparatus	3661	141.2	137.2	122.9	121.5	-	88.4	84.6	71.0	70.9	-
Radio and TV communication equipment	3662	520.7	521.4	539.7	538.4	-	201.0	201.7	201.5	202.1	-
Electronic components and accessories	367	654.6	648.9	634.7	639.7	-	363.3	360.7	344.1	349.4	-
Electronic tubes	3671-3	42.8	42.5	41.7	42.4	-	25.5	25.2	24.9	25.8	-
Semiconductors and related devices	3674	277.1	273.4	269.0	270.0	-	104.5	103.1	99.6	100.3	-
Electronic components, nec	3679	262.6	262.3	256.5	257.8	-	180.9	180.6	169.8	171.3	-
Misc. electrical equipment and supplies	369	152.4	153.2	147.0	149.7	-	106.5	107.5	100.3	102.6	-
Storage batteries	3691	28.3	28.9	26.4	28.7	-	22.4	23.0	20.3	22.5	-
Engine electrical equipment	3694	63.8	64.6	62.8	62.2	-	48.1	48.9	46.6	46.4	-
Transportation equipment	37	1,941.8	1,980.3	1,952.9	1,942.8	1,983.3	1,211.7	1,250.6	1,201.8	1,187.0	1,231.9
Motor vehicles and equipment	371	847.8	874.8	816.8	804.3	834.9	649.1	676.2	618.9	601.3	635.8
Motor vehicles and car bodies	3711	382.1	404.4	365.5	353.8	-	282.3	304.3	264.5	248.2	-
Truck and bus bodies	3713	36.8	36.9	38.1	38.3	-	28.3	28.4	29.7	29.6	-
Motor vehicle parts and accessories	3714	387.2	391.8	369.5	367.6	-	307.1	311.8	291.2	289.1	-
Truck trailers	3715	27.8	27.8	28.4	29.0	-	21.1	21.4	21.9	22.6	-
Aircraft and parts	372	640.4	649.1	672.3	672.0	-	302.8	310.5	322.8	321.9	-
Aircraft	3721	335.3	339.1	357.5	358.0	-	139.1	141.5	153.3	153.4	-
Aircraft engines and engine parts	3724	146.2	150.2	147.5	146.7	-	72.3	76.3	74.0	72.9	-
Aircraft equipment, nec	3728	158.9	159.8	167.3	167.3	-	91.4	92.7	95.5	95.6	-
Ship and boat building and repairing	373	179.3	180.5	180.6	182.2	-	132.1	134.1	134.3	137.3	-
Ship building and repairing	3731	133.8	135.0	133.5	134.7	-	95.5	97.4	96.7	99.1	-
Boat building and repairing	3732	45.5	45.5	47.1	47.5	-	36.6	36.7	37.6	38.2	-
Railroad equipment	374	33.2	33.4	28.2	28.4	-	23.0	23.3	20.1	19.8	-
Guided missiles, space vehicles, and parts	376	175.8	177.1	191.4	191.7	-	60.8	61.8	63.5	64.0	-
Guided missiles and space vehicles	3761	135.8	136.9	147.0	147.2	-	45.9	46.7	47.2	47.1	-
Miscellaneous transportation equipment	379	53.1	52.7	52.5	52.4	-	35.4	35.7	34.7	34.6	-
Travel trailers and campers	3792	20.7	20.3	20.6	20.8	-	16.4	16.0	15.9	16.1	-
Instruments and related products	38	726.4	723.9	714.2	717.9	714.6	392.2	389.7	385.3	389.9	389.0
Engineering and scientific instruments	381	84.6	84.3	83.2	83.3	-	36.7	35.6	35.9	36.3	-
Measuring and controlling devices	382	255.1	254.2	250.9	251.2	-	140.4	140.5	137.3	138.3	-
Environmental controls	3822	43.1	43.1	40.6	42.6	-	27.2	27.7	25.6	26.9	-
Process control instruments	3823	58.1	57.8	55.0	54.9	-	29.6	29.4	27.6	27.9	-
Instruments to measure electricity	3825	110.1	109.4	110.2	108.7	-	56.5	56.0	54.8	54.2	-
Optical instruments and lenses	383	33.1	33.1	32.0	31.8	-	16.7	16.6	15.9	16.0	-
Medical instruments and supplies	384	175.5	176.6	181.9	184.2	-	104.2	104.7	109.7	111.9	-
Surgical and medical instruments	3841	85.0	85.3	87.4	88.1	-	46.4	46.8	50.2	51.3	-
Surgical appliances and supplies	3842	76.3	77.1	79.5	81.1	-	49.7	49.8	51.0	52.1	-
Ophthalmic goods	385	40.1	39.7	39.4	39.5	-	26.8	26.5	26.5	26.7	-
Photographic equipment and supplies	386	125.7	124.3	116.5	116.4	-	58.3	57.0	53.0	52.6	-
Watches, clocks, and watchcases	387	12.3	11.7	10.3	11.5	-	9.1	8.8	7.0	8.1	-
Miscellaneous manufacturing	39	369.5	372.8	355.0	368.6	370.2	268.5	269.5	257.2	268.7	271.1
Jewelry, silverware, and plated ware	391	54.1	55.5	48.4	53.3	-	36.9	37.9	33.2	37.4	-
Jewelry, precious metal	3911	36.8	38.1	32.7	35.8	-	25.1	25.9	22.2	24.8	-
Musical instruments	393	13.8	13.8	14.1	14.9	-	10.8	10.7	11.3	12.3	-
Toys and sporting goods	394	96.6	98.2	95.7	98.5	-	72.0	73.0	71.9	73.8	-
Dolls, games, toys, and children's vehicles	3942,4	47.1	48.2	43.3	46.7	-	34.3	34.9	31.3	34.4	-
Sporting and athletic goods, nec	3949	49.5	50.0	52.4	51.8	-	37.7	38.1	40.6	39.4	-
Pens, pencils, office, and art supplies	395	32.3	32.4	31.6	31.5	-	21.7	21.7	21.4	21.2	-
Costume jewelry and notions	396	40.9	41.4	35.9	40.3	-	32.7	31.8	27.5	31.1	-
Costume jewelry	3961	22.8	23.2	19.3	22.7	-	18.8	17.8	15.0	17.6	-
Miscellaneous manufactures	399	131.8	131.5	129.3	130.1	-	94.4	94.4	91.9	92.9	-
Signs and advertising displays	3993	53.8	53.6	54.3	54.0	-	37.8	37.6	37.7	37.8	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Nondurable goods		7,895	7,899	7,801	7,940	7,945	5,558	5,572	5,484	5,621	5,637
Food and kindred products	20	1,697.1	1,695.8	1,679.7	1,741.1	1,742.0	1,206.1	1,205.8	1,187.9	1,246.9	1,250.2
Meat products	201	371.5	371.9	387.8	387.6	-	314.2	314.9	330.9	331.0	-
Meat packing plants	2011	143.7	142.2	144.1	144.3	-	119.9	118.8	121.1	121.7	-
Sausages and other prepared meats	2013	75.4	75.5	76.6	75.8	-	55.5	55.8	56.6	55.6	-
Poultry dressing plants	2016	130.8	132.4	142.6	143.4	-	119.5	121.0	130.6	131.5	-
Dairy products	202	166.6	164.2	168.8	167.9	-	99.7	97.3	101.6	100.4	-
Cheese, natural and processed	2022	40.3	39.7	40.4	40.0	-	31.5	30.8	31.1	30.6	-
Fluid milk	2026	87.9	87.2	88.9	88.8	-	42.4	41.9	43.8	43.7	-
Preserved fruits and vegetables	203	303.0	299.9	263.5	315.2	-	259.2	256.1	219.1	269.1	-
Canned specialties	2032	25.8	26.7	24.8	27.2	-	18.9	19.7	17.7	20.0	-
Canned fruits and vegetables	2033	132.4	129.7	102.9	138.4	-	115.7	113.1	86.9	120.8	-
Frozen fruits and vegetables	2037	59.4	58.6	58.3	67.1	-	53.0	52.0	51.3	59.9	-
Grain mill products	204	126.6	127.3	123.5	124.5	-	86.5	87.4	84.5	85.6	-
Flour and other grain mill products	2041	22.4	22.4	22.2	22.6	-	14.4	14.8	15.2	15.4	-
Prepared feeds, nec	2048	46.0	46.2	43.9	43.9	-	29.2	29.4	27.5	27.4	-
Bakery products	205	212.5	213.6	217.3	217.2	-	127.3	128.2	131.8	132.2	-
Bread, cake, and related products	2051	167.8	168.4	171.8	171.3	-	91.5	91.8	95.0	95.3	-
Cookies and crackers	2052	44.7	45.2	45.5	45.9	-	35.8	36.4	36.8	36.9	-
Sugar and confectionery products	206	94.3	101.1	89.9	97.2	-	72.6	79.3	69.2	75.7	-
Cane and beet sugar	2061-3	19.9	23.2	17.9	19.6	-	15.2	18.4	13.9	15.2	-
Confectionery products	2065	54.1	57.4	51.7	56.7	-	43.7	46.9	41.7	46.4	-
Fats and oils	207	33.6	34.4	34.6	34.2	-	24.4	25.2	24.9	24.6	-
Beverages	208	222.3	220.0	223.6	224.3	-	96.8	95.6	97.9	98.2	-
Malt beverages	2082	44.2	43.8	45.2	44.8	-	28.3	28.0	29.3	28.7	-
Bottled and canned soft drinks	2086	131.7	128.4	131.6	131.0	-	43.5	41.9	43.9	43.2	-
Misc. food and kindred products	209	166.7	163.4	170.7	173.0	-	125.4	121.8	128.0	130.1	-
Tobacco manufactures	21	65.0	69.8	57.8	59.8	61.8	48.9	54.1	42.3	44.4	46.7
Cigarettes	211	44.7	44.0	43.8	43.6	-	33.3	32.9	32.3	32.3	-
Textile mill products	22	700.9	703.7	697.3	714.3	715.3	606.6	608.6	601.6	618.3	620.1
Weaving mills, cotton	221	103.0	103.3	96.9	99.4	-	92.6	92.7	86.7	89.4	-
Weaving mills, synthetics	222	90.2	90.2	88.2	89.6	-	79.9	80.0	78.5	79.8	-
Weaving and finishing mills, wool	223	16.8	16.9	16.3	16.6	-	14.2	14.3	13.5	13.9	-
Narrow fabric mills	224	20.7	20.7	18.9	21.2	-	17.6	17.8	16.2	18.4	-
Knitting mills	225	200.0	200.3	206.5	209.7	-	175.3	175.3	179.5	182.8	-
Women's hosiery, except socks	2251	35.7	35.9	35.4	35.7	-	32.2	32.3	31.3	31.7	-
Hosiery, nec	2252	34.8	34.3	35.5	35.7	-	31.1	30.6	31.7	31.9	-
Knit outerwear mills	2253	64.5	65.2	70.1	71.2	-	56.8	57.4	61.6	62.8	-
Knit underwear mills	2254	24.8	24.7	24.0	24.5	-	20.8	20.7	19.8	20.4	-
Circular knit fabric mills	2257	21.8	21.9	23.3	23.6	-	19.0	19.1	20.3	20.6	-
Textile finishing, except wool	226	57.7	58.0	55.8	57.8	-	48.2	48.4	46.5	48.0	-
Finishing plants, cotton	2261	22.1	22.2	21.1	22.4	-	18.7	18.7	17.8	18.9	-
Finishing plants, synthetics	2262	21.8	21.7	20.6	21.0	-	17.7	17.7	16.7	16.8	-
Floor covering mills	227	56.0	57.1	57.6	59.0	-	45.9	46.7	47.4	48.7	-
Yarn and thread mills	228	101.2	101.7	103.4	105.9	-	89.8	90.4	92.0	94.7	-
Yarn mills, except wool	2281	72.1	72.5	74.5	76.0	-	65.0	65.4	67.2	68.7	-
Throwing and winding mills	2282	15.9	16.0	16.8	17.0	-	14.0	14.2	14.6	14.8	-
Miscellaneous textile goods	229	55.3	55.5	53.7	55.1	-	43.1	43.0	41.3	42.6	-
Apparel and other textile products	23	1,119.5	1,130.3	1,072.8	1,108.1	1,110.3	943.3	953.0	901.4	935.8	937.4
Men's and boys' suits and coats	231	63.0	63.4	59.4	60.4	-	55.0	55.4	51.2	51.9	-
Men's and boys' furnishings	232	315.5	316.2	310.2	316.1	-	273.4	273.9	268.4	273.6	-
Men's and boys' shirts and nightwear	2321	83.9	84.1	85.2	88.0	-	72.7	72.6	73.8	76.1	-
Men's and boys' separate trousers	2327	57.7	58.2	53.9	55.4	-	50.8	51.0	47.2	48.6	-
Men's and boys' work clothing	2328	98.8	99.1	96.4	97.1	-	86.2	86.5	84.1	85.0	-
Women's and misses' outerwear	233	357.7	363.6	329.8	347.5	-	297.5	302.8	273.9	292.0	-
Women's and misses' blouses and waists	2331	53.7	54.1	50.8	52.6	-	44.8	45.2	42.1	43.7	-
Women's and misses' dresses	2335	93.5	95.7	83.2	88.3	-	78.3	80.4	69.3	73.9	-
Women's and misses' suits and coats	2337	47.4	47.5	43.3	46.2	-	39.3	39.3	34.9	37.5	-
Women's and misses' outerwear, nec	2339	163.1	166.3	152.5	160.4	-	135.1	137.9	127.6	136.9	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Nondurable goods—Continued											
Apparel and other textile products—Continued											
Women's and children's undergarments	234	76.3	77.7	74.6	76.6	-	63.7	65.1	61.8	63.7	-
Women's and children's underwear	2341	61.7	62.6	60.0	61.9	-	52.9	54.0	50.9	52.9	-
Brassieres and allied garments	2342	14.6	15.1	14.6	14.7	-	10.8	11.1	10.9	10.8	-
Children's outerwear	236	61.0	61.3	62.8	62.7	-	51.2	51.4	53.0	52.9	-
Children's dresses and blouses	2361	24.7	25.6	25.3	25.5	-	21.7	22.5	22.3	22.5	-
Misc. apparel and accessories	238	44.3	44.3	41.6	43.2	-	36.7	36.7	34.5	35.9	-
Misc. fabricated textile products	239	183.0	185.1	175.5	182.7	-	150.9	152.6	143.7	150.9	-
Curtains and draperies	2391	25.7	26.2	25.7	26.6	-	20.7	21.0	20.7	21.6	-
House furnishings, nec	2392	50.5	51.7	49.6	52.1	-	43.3	44.4	42.1	44.5	-
Automotive and apparel trimmings	2396	37.3	38.4	35.3	37.1	-	31.1	32.0	29.4	31.2	-
Paper and allied products	26	686.9	683.8	690.1	690.0	688.7	520.7	518.1	523.6	523.1	524.3
Paper and pulp mills	261,2,6	198.8	196.1	197.1	195.8	-	151.5	149.6	150.7	149.3	-
Paper mills, except building paper	262	174.8	172.1	172.1	170.7	-	132.0	130.1	130.8	129.3	-
Paperboard mills	263	55.6	55.1	55.5	54.2	-	42.8	42.2	42.3	41.0	-
Misc. converted paper products	264	234.4	233.8	240.5	241.3	-	172.8	172.0	177.6	178.2	-
Paper coating and glazing	2641	59.3	58.9	59.8	59.3	-	37.7	36.8	37.4	37.0	-
Envelopes	2642	26.7	26.9	27.1	27.4	-	20.2	20.5	20.9	21.2	-
Bags, except textile bags	2643	50.5	51.0	52.3	53.2	-	39.6	40.2	41.1	41.8	-
Paperboard containers and boxes	265	198.1	198.8	197.0	198.7	-	153.6	154.3	153.0	154.6	-
Folding paperboard boxes	2651	43.0	43.8	42.2	42.5	-	34.0	34.9	33.5	33.7	-
Corrugated and solid fiber boxes	2653	103.4	103.5	102.7	104.1	-	78.2	78.4	77.5	78.8	-
Sanitary food containers	2654	24.5	23.9	25.1	24.7	-	20.6	19.9	21.4	21.0	-
Printing and publishing	27	1,439.0	1,438.2	1,476.8	1,477.3	1,477.9	795.1	795.4	820.6	820.5	819.6
Newspapers	271	452.3	449.9	461.6	460.7	-	169.2	169.1	171.2	171.1	-
Periodicals	272	113.1	111.9	112.2	112.3	-	29.0	29.2	34.0	34.0	-
Books	273	108.2	106.3	113.6	112.5	-	55.5	53.4	61.0	59.5	-
Book publishing	2731	79.3	77.7	84.6	83.7	-	32.3	30.6	37.9	36.9	-
Book printing	2732	28.9	28.6	29.0	28.8	-	23.2	22.8	23.1	22.6	-
Miscellaneous publishing	274	74.7	74.5	80.7	80.3	-	40.0	39.4	42.8	42.2	-
Commercial printing	275	495.4	500.1	511.0	512.5	-	360.9	364.0	370.6	371.5	-
Commercial printing, letterpress	2751	159.5	161.5	167.1	167.5	-	117.1	118.2	122.0	122.3	-
Commercial printing, lithographic	2752	309.9	312.4	317.7	318.5	-	223.2	225.1	228.0	228.1	-
Manifold business forms	276	47.4	47.6	47.2	47.3	-	32.9	33.0	33.1	33.0	-
Blankbooks and bookbinding	278	71.8	71.7	74.5	75.6	-	57.9	57.7	59.9	61.2	-
Printing trade services	279	51.6	52.0	53.3	53.2	-	38.1	38.4	40.0	39.8	-
Chemicals and allied products	28	1,048.2	1,043.7	1,030.9	1,031.3	1,026.6	579.6	579.6	574.6	576.7	576.1
Industrial inorganic chemicals	281	143.7	142.6	136.3	135.9	-	72.7	72.0	70.2	70.8	-
Industrial inorganic chemicals, nec	2819	94.9	94.1	89.6	89.1	-	49.8	49.6	48.4	49.1	-
Plastics materials and synthetics	282	171.1	169.4	167.1	167.5	-	113.5	112.9	112.5	112.8	-
Plastics materials and resins	2821	75.7	74.8	75.4	75.7	-	45.5	44.9	45.5	45.6	-
Organic fibers, noncellulosic	2824	65.1	64.6	61.3	61.8	-	46.0	45.6	44.2	44.7	-
Drugs	283	206.7	204.4	207.5	207.8	-	95.3	94.6	96.6	96.3	-
Pharmaceutical preparations	2834	166.6	164.7	166.8	167.1	-	76.1	75.6	76.7	76.7	-
Soap, cleaners, and toilet goods	284	149.8	150.6	148.3	149.8	-	96.0	97.0	94.2	95.1	-
Soap and other detergents	2841	42.3	41.7	42.3	41.1	-	27.1	26.8	27.2	25.8	-
Toilet preparations	2844	67.9	69.0	65.1	67.4	-	47.1	48.2	45.1	47.2	-
Polishing, sanitation, and finishing preparations	2842,3	39.6	39.9	40.9	41.3	-	21.8	22.0	21.9	22.1	-
Paints and allied products	285	64.7	64.2	64.4	64.6	-	31.6	31.0	31.5	31.8	-
Industrial organic chemicals	286	159.4	159.8	155.7	155.0	-	80.6	82.0	82.2	82.3	-
Cyclic crudes and intermediates	2865	30.8	30.8	30.3	30.3	-	20.0	20.5	19.9	19.9	-
Gum, wood, and industrial organic chemicals, nec	2861,9	128.6	129.0	125.4	124.7	-	60.6	61.5	62.3	62.4	-
Agricultural chemicals	287	57.6	57.7	56.9	56.6	-	35.3	35.4	34.4	34.1	-
Miscellaneous chemical products	289	95.2	95.0	94.7	94.1	-	54.6	54.7	53.0	53.5	-
Petroleum and coal products	29	179.8	172.3	166.5	166.0	163.8	110.0	105.9	105.0	105.9	105.6
Petroleum refining	291	140.4	133.2	127.8	126.9	-	81.8	77.9	77.2	77.8	-
Paving and roofing materials	295	28.0	27.8	27.6	27.9	-	21.4	21.3	21.4	21.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Nondurable goods—Continued											
Rubber and misc. plastics products	30	790.0	793.5	784.5	797.3	805.5	607.0	611.7	608.6	621.2	630.1
Tires and inner tubes	301	92.5	92.4	87.0	86.2	-	61.5	62.2	62.6	62.4	-
Rubber and plastics footwear	302	12.8	12.9	11.0	11.9	-	10.9	10.6	9.1	10.0	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	22.0	22.1	21.5	21.4	-	14.6	14.6	14.5	14.6	-
Fabricated rubber products, nec	306	108.2	108.1	104.5	106.8	-	82.5	82.6	79.1	81.4	-
Miscellaneous plastics products	307	554.5	558.0	560.5	571.0	-	437.5	441.7	443.3	452.8	-
Leather and leather products	31	168.4	167.7	145.0	155.2	153.4	140.2	139.9	118.7	128.5	126.5
Leather tanning and finishing	311	14.8	14.7	13.4	13.8	-	12.2	12.3	11.1	11.5	-
Footwear, except rubber	314	101.9	100.3	87.1	94.1	-	86.8	85.5	73.2	79.9	-
Men's footwear, except athletic	3143	42.9	42.2	37.2	41.1	-	35.0	34.5	29.7	33.4	-
Women's footwear, except athletic	3144	37.1	36.5	30.7	33.8	-	32.7	32.2	26.9	29.7	-
Luggage	316	11.3	11.3	10.3	10.7	-	8.3	8.5	7.2	7.5	-
Handbags and personal leather goods	317	22.2	23.0	18.2	19.3	-	18.2	18.7	14.3	15.5	-
Transportation and public utilities		5,237	5,308	5,302	5,267	5,332	4,341	4,407	4,367	4,340	4,409
Transportation		2,981	3,071	3,051	3,056	3,107	-	-	-	-	-
Railroad transportation	40	360.1	353.8	331.4	329.1	-	-	-	-	-	-
Class I railroads ²	4011	326.4	320.2	300.2	299.0	-	-	-	-	-	-
Local and interurban passenger transit	41	227.9	284.6	237.8	234.5	-	208.8	264.5	217.4	213.7	-
Local and suburban transportation	411	92.2	93.2	95.6	96.4	-	84.9	85.9	88.3	88.8	-
Taxicabs	412	37.3	37.8	36.4	36.5	-	-	-	-	-	-
Intercity highway transportation	413	36.6	37.1	37.4	37.5	-	33.6	34.2	34.1	34.1	-
School buses	415	40.0	92.9	44.6	40.0	-	-	-	-	-	-
Trucking and warehousing	42	1,372.3	1,403.6	1,419.5	1,428.6	-	1,196.4	1,223.6	1,235.0	1,241.1	-
Trucking and trucking terminals	421,3	1,278.6	1,303.9	1,324.3	1,330.3	-	1,117.7	1,139.5	1,154.9	1,157.9	-
Public warehousing	422	93.7	99.7	95.2	98.3	-	78.7	84.1	80.1	83.2	-
Water transportation	44	193.4	201.8	184.7	181.2	-	-	-	-	-	-
Local water transportation	445	28.6	28.2	29.6	29.3	-	-	-	-	-	-
Water transportation services	446	104.1	112.8	97.5	94.6	-	-	-	-	-	-
Transportation by air	45	527.8	528.1	569.5	573.6	-	-	-	-	-	-
Air transportation	451,2	463.7	464.1	501.6	506.0	-	-	-	-	-	-
Air transportation services	458	64.1	64.0	67.9	67.6	-	-	-	-	-	-
Pipe lines, except natural gas	46	19.3	19.0	18.9	18.6	-	13.8	13.6	13.8	13.7	-
Transportation services	47	280.2	280.4	288.7	290.8	-	-	-	-	-	-
Freight forwarding	471	61.9	63.0	69.0	69.8	-	-	-	-	-	-
Communication and public utilities		2,256	2,237	2,251	2,211	2,225	-	-	-	-	-
Communication	48	1,324.5	1,316.6	1,309.5	1,268.2	-	1,010.0	1,002.8	982.3	951.0	-
Telephone communication	481	914.5	907.1	891.9	850.0	-	682.0	675.5	645.0	613.7	-
Radio and television broadcasting	483	242.2	241.3	243.5	243.4	-	197.6	197.0	201.0	200.8	-
Radio broadcasting	4832	115.3	114.7	116.4	115.5	-	-	-	-	-	-
Television broadcasting	4833	126.9	126.6	127.1	127.9	-	-	-	-	-	-
Electric, gas, and sanitary services	49	931.3	920.3	941.1	943.1	-	744.9	732.9	749.6	750.8	-
Electric services	491	454.3	449.7	462.7	465.6	-	354.6	349.3	356.8	359.6	-
Gas production and distribution	492	177.7	174.1	167.5	167.0	-	139.7	136.0	131.8	131.6	-
Combination utility services	493	206.2	204.5	209.5	208.8	-	170.3	168.6	173.8	172.3	-
Sanitary services	495	66.8	65.8	73.3	73.7	-	58.6	57.3	64.1	64.3	-
Wholesale trade		5,790	5,797	5,883	5,900	5,896	4,665	4,665	4,713	4,734	4,724
Durable goods	50	3,439	3,434	3,500	3,502	3,492	2,755	2,746	2,773	2,778	-
Motor vehicles and automotive equipment	501	435.7	433.9	429.6	429.6	-	350.3	348.1	345.4	345.1	-
Automobiles and other motor vehicles	5012	108.8	108.7	107.1	107.1	-	-	-	-	-	-
Automotive parts and supplies	5013	294.1	292.9	290.1	290.1	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Wholesale trade—Continued											
Durable goods—Continued											
Furniture and home furnishings	502	130.9	131.9	134.0	135.4	-	106.6	107.6	107.6	108.4	-
Furniture	5021	55.9	56.4	57.2	57.8	-	-	-	-	-	-
Home furnishings	5023	75.0	75.5	76.8	77.6	-	-	-	-	-	-
Lumber and construction materials	503	221.0	220.7	234.8	235.7	-	181.6	181.6	193.6	194.7	-
Lumber, plywood, and millwork	5031	101.0	100.9	106.9	107.0	-	-	-	-	-	-
Construction materials, nec	5039	120.0	119.8	127.9	128.7	-	-	-	-	-	-
Sporting goods, toys, and hobby goods	504	80.4	80.7	83.7	83.7	-	66.2	66.6	68.5	68.5	-
Metals and minerals, except petroleum	505	140.5	139.7	138.3	138.2	-	111.7	110.8	109.7	109.4	-
Electrical goods	506	500.3	496.6	496.9	494.5	-	388.7	386.5	364.4	364.0	-
Electrical apparatus and equipment	5063	271.7	271.0	270.3	268.4	-	-	-	-	-	-
Electrical appliances, TV and radios	5064	74.2	73.8	73.9	74.2	-	-	-	-	-	-
Electronic parts and equipment	5065	154.4	153.8	152.7	151.9	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	257.7	256.6	268.0	268.4	-	206.5	205.0	214.9	216.0	-
Hardware	5072	87.3	87.0	90.6	90.5	-	-	-	-	-	-
Plumbing and hydronic heating supplies	5074	104.1	103.8	107.8	107.9	-	-	-	-	-	-
Machinery, equipment, and supplies	508	1,476.7	1,476.5	1,518.1	1,516.5	-	1,185.3	1,182.3	1,211.6	1,211.9	-
Commercial machines and equipment	5081	529.6	531.9	554.2	554.7	-	-	-	-	-	-
Construction and mining machinery	5082	81.4	81.0	82.8	82.3	-	-	-	-	-	-
Farm machinery and equipment	5083	131.7	130.7	129.9	128.7	-	-	-	-	-	-
Industrial machinery and equipment	5084	318.4	318.7	316.2	314.5	-	-	-	-	-	-
Industrial supplies	5085	133.4	132.4	135.3	135.0	-	-	-	-	-	-
Professional equipment and supplies	5086	174.8	174.8	178.5	179.8	-	-	-	-	-	-
Miscellaneous durable goods	509	195.6	195.7	197.0	200.0	-	157.9	157.6	157.6	160.2	-
Scrap and waste materials	5093	92.1	92.0	89.9	90.4	-	-	-	-	-	-
Nondurable goods	51	2,351	2,363	2,383	2,398	2,404	1,910	1,919	1,940	1,956	-
Paper and paper products	511	187.4	187.0	189.3	191.1	-	152.5	150.7	153.3	155.0	-
Drugs, proprietaries, and sundries	512	167.7	168.6	171.1	171.6	-	138.8	139.3	142.8	143.7	-
Apparel, piece goods, and notions	513	186.9	189.0	197.4	198.2	-	140.1	141.8	148.7	149.2	-
Groceries and related products	514	740.6	747.3	770.7	773.5	-	628.1	633.6	656.8	657.9	-
Groceries, general line	5141	238.6	239.7	247.5	249.2	-	-	-	-	-	-
Meats and meat products	5147	64.5	64.8	67.1	66.4	-	-	-	-	-	-
Fresh fruits and vegetables	5148	90.3	92.4	104.2	103.8	-	-	-	-	-	-
Chemicals and allied products	516	133.9	132.2	130.8	130.3	-	96.9	95.0	94.7	94.9	-
Petroleum and petroleum products	517	206.4	204.9	204.5	204.1	-	159.9	158.5	158.3	159.2	-
Petroleum bulk stations and terminals	5171	85.4	84.8	85.0	84.9	-	-	-	-	-	-
Petroleum products, nec	5172	121.0	120.1	119.5	119.2	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	154.6	151.6	154.7	155.5	-	129.2	125.9	128.4	128.5	-
Beer and ale	5181	96.4	93.9	97.6	97.7	-	-	-	-	-	-
Wines and distilled beverages	5182	58.2	57.7	57.1	57.8	-	-	-	-	-	-
Miscellaneous nondurable goods	519	433.7	435.2	439.0	436.0	-	348.8	351.4	355.5	353.1	-
Farm supplies	5191	152.8	155.3	153.8	148.3	-	-	-	-	-	-
Retail trade		17,573	17,596	18,082	18,134	18,177	15,636	15,646	16,098	16,139	16,172
Building materials and garden supplies	52	703.2	693.3	711.2	707.8	-	593.5	585.2	599.1	595.0	-
Lumber and other building materials	521	374.7	368.9	382.9	383.7	-	319.6	314.2	326.6	326.7	-
Hardware stores	525	162.9	161.0	159.5	158.5	-	139.0	136.8	134.2	133.7	-
General merchandise stores	53	2,279.2	2,288.2	2,300.1	2,310.3	2,333.5	2,133.2	2,137.5	2,155.8	2,166.0	-
Department stores	531	1,911.4	1,920.8	1,940.8	1,948.1	-	1,805.7	1,810.8	1,837.2	1,844.5	-
Variety stores	533	224.0	224.4	225.5	227.6	-	203.2	203.5	203.3	205.2	-
Misc. general merchandise stores	539	143.8	143.0	133.8	134.6	-	124.3	123.2	115.3	116.3	-
Food stores	54	2,799.9	2,815.9	2,943.5	2,943.8	2,953.9	2,587.1	2,602.2	2,718.6	2,716.4	-
Grocery stores	541	2,453.3	2,470.5	2,572.8	2,573.5	-	2,281.9	2,297.5	2,390.6	2,387.8	-
Meat markets and freezer provisioners	542	61.1	60.7	64.0	64.1	-	-	-	-	-	-
Dairy products stores	545	39.4	39.1	46.3	46.0	-	-	-	-	-	-
Retail bakeries	546	155.0	156.6	162.8	161.7	-	139.5	141.6	146.8	146.1	-
Automotive dealers and service stations	55	1,928.3	1,921.8	1,976.9	1,984.3	1,984.2	1,623.4	1,614.8	1,658.4	1,666.1	-
New and used car dealers	551,2	918.1	921.9	943.1	946.1	-	762.5	764.5	783.0	785.3	-
Auto and home supply stores	553	309.6	307.5	315.8	317.5	-	249.9	247.2	255.5	257.9	-
Gasoline service stations	554	605.4	602.5	619.7	624.3	-	533.5	530.7	539.5	544.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Retail trade—Continued											
Apparel and accessory stores	56	1,042.9	1,034.7	1,060.7	1,076.0	-	873.9	868.4	893.6	907.3	-
Men's and boys' clothing and furnishings	561	108.9	108.5	107.3	106.6	-	90.0	90.2	88.6	88.2	-
Women's ready-to-wear stores	562	381.1	380.0	390.8	394.1	-	319.3	319.5	333.5	336.7	-
Family clothing stores	565	219.1	214.4	221.2	225.8	-	189.4	186.1	190.7	195.0	-
Shoe stores	566	209.6	208.1	206.9	213.2	-	170.2	168.8	165.9	171.6	-
Furniture and home furnishings stores	57	733.1	743.4	779.8	784.4	-	603.9	614.4	648.1	651.2	-
Furniture and home furnishings stores	571	416.9	419.4	438.3	441.9	-	340.1	342.3	360.4	363.3	-
Furniture stores	5712	263.5	264.6	272.2	273.8	-	-	-	-	-	-
Household appliance stores	572	87.4	87.6	86.1	86.8	-	73.3	74.1	73.7	74.0	-
Radio, television, and music stores	573	228.8	236.4	255.4	255.7	-	190.5	198.0	214.0	213.9	-
Radio and television stores	5732	166.5	168.6	184.4	185.0	-	-	-	-	-	-
Music stores	5733	62.3	67.8	71.0	70.7	-	-	-	-	-	-
Eating and drinking places	58	5,927.4	5,922.7	6,096.9	6,104.4	6,104.7	5,387.0	5,372.1	5,555.1	5,559.8	-
Miscellaneous retail	59	2,158.8	2,176.1	2,213.3	2,223.1	-	1,833.6	1,851.1	1,869.6	1,876.9	-
Drug stores and proprietary stores	591	541.6	541.5	560.1	562.2	-	466.7	465.8	477.3	478.2	-
Liquor stores	592	126.9	129.7	129.7	129.1	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	701.8	712.4	735.4	739.8	-	588.3	598.1	614.7	619.5	-
Sporting goods and bicycle shops	5941	118.3	121.2	126.0	128.1	-	-	-	-	-	-
Book stores	5942	70.1	74.3	74.4	75.2	-	-	-	-	-	-
Stationery stores	5943	74.1	74.5	76.0	76.6	-	-	-	-	-	-
Jewelry stores	5944	139.8	141.7	146.9	146.9	-	-	-	-	-	-
Gift, novelty, and souvenir shops	5947	136.9	133.7	137.4	137.2	-	-	-	-	-	-
Sewing, needlework, and piece goods	5949	62.9	65.2	66.0	65.9	-	-	-	-	-	-
Nonstore retailers	596	259.7	263.6	248.9	253.9	-	233.4	236.9	224.4	229.4	-
Mail order houses	5961	120.6	124.8	117.4	121.7	-	-	-	-	-	-
Merchandising machine operators	5962	81.4	82.3	80.9	81.2	-	-	-	-	-	-
Fuel and ice dealers	598	102.0	103.3	109.1	109.2	-	84.7	86.1	90.8	90.6	-
Retail stores, nec	599	350.1	349.4	350.1	348.0	-	289.5	291.0	288.2	285.3	-
Finance, insurance, and real estate²		6,058	6,024	6,416	6,439	6,396	4,507	4,465	4,763	4,773	4,723
Finance		3,019	3,005	3,205	3,207	3,223	-	-	-	-	-
Banking	60	1,735.0	1,719.7	1,781.7	1,780.0	-	1,275.0	1,257.8	1,299.9	1,296.7	-
Commercial and stock savings banks	602	1,569.2	1,555.3	1,603.6	1,600.9	-	1,147.1	1,131.4	1,165.8	1,162.1	-
State banks, Federal Reserve	6022	339.0	337.1	351.4	352.3	-	-	-	-	-	-
State banks, not Federal Reserve	6023,4	382.5	378.1	390.9	390.5	-	-	-	-	-	-
Mutual savings banks	603	81.0	79.9	85.3	85.6	-	-	-	-	-	-
Credit agencies other than banks	61	762.5	764.0	853.7	860.9	-	581.6	582.1	651.3	657.3	-
Savings and loan associations	612	353.0	352.2	380.1	381.8	-	270.3	269.5	291.4	292.8	-
Federal savings and loan associations	6122	198.9	198.0	214.2	214.7	-	-	-	-	-	-
State associations, insured	6123	144.0	144.1	154.6	155.8	-	-	-	-	-	-
Personal credit institutions	614	215.0	214.9	232.6	233.8	-	167.6	167.5	183.1	184.4	-
Business credit institutions	615	49.5	49.8	55.0	54.6	-	-	-	-	-	-
Mortgage bankers and brokers	616	121.2	123.4	161.4	165.9	-	-	-	-	-	-
Security, commodity brokers, and services	62	358.5	357.9	392.9	397.0	-	-	-	-	-	-
Security brokers and dealers	621	286.9	286.7	313.0	316.5	-	-	-	-	-	-
Holding and other investment offices	67	163.0	163.8	176.7	176.7	-	-	-	-	-	-
Insurance		1,846	1,843	1,953	1,953	1,264	-	-	-	-	-
Insurance carriers	63	1,291.8	1,287.0	1,343.6	1,347.3	-	884.6	878.7	913.5	914.7	-
Life insurance	631	557.7	555.5	561.5	562.3	-	345.5	341.9	342.3	342.1	-
Medical service and health insurance	632	170.9	171.1	182.3	183.2	-	139.2	139.7	148.1	149.0	-
Fire, marine, and casualty insurance	633	475.2	472.9	499.3	500.8	-	332.1	330.0	346.0	345.8	-
Title insurance	636	51.3	50.9	59.6	59.8	-	-	-	-	-	-
Insurance agents, brokers, and service	64	553.9	555.7	608.9	612.8	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Finance, insurance, and real estate—Continued											
Real estate, and combined real estate, insurance, etc		1,193	1,176	1,258	1,257	1,264	-	-	-	-	-
Real estate	65	1,179.3	1,161.5	1,243.6	1,249.7	-	-	-	-	-	
Real estate operators and lessors	651	527.1	518.1	533.0	535.2	-	-	-	-	-	
Real estate agents and managers	653	471.7	465.7	517.4	519.9	-	-	-	-	-	
Subdividers and developers	655	154.4	151.8	163.1	164.1	-	-	-	-	-	
Combined real estate, insurance, etc	66	14.1	14.0	14.2	14.1	-	-	-	-	-	
Services		22,252	22,310	23,361	23,381	23,389	19,584	19,632	20,525	20,529	20,517
Hotels and other lodging places	70	1,470.2	1,393.7	1,491.8	1,500.8	-	-	-	-	-	
Hotels, motels, and tourist courts	701	1,385.3	1,345.3	1,411.9	1,414.4	-	1,247.3	1,211.0	1,267.0	1,269.3	
Personal services	72	1,034.9	1,048.3	1,105.1	1,098.8	-	-	-	-	-	
Laundry, cleaning, and garment services	721	378.7	382.8	400.0	397.5	-	338.3	342.1	355.3	354.3	
Photographic studios, portrait	722	51.8	54.5	52.9	55.2	-	-	-	-	-	
Beauty shops	723	336.0	340.2	351.7	349.0	-	302.9	306.7	318.8	316.4	
Funeral service and crematories	726	74.9	74.3	76.9	77.1	-	-	-	-	-	
Business services	73	4,551.3	4,583.3	4,863.7	4,898.2	4,928.5	3,954.2	3,978.6	4,190.5	4,217.3	
Advertising	731	194.0	195.8	193.0	195.0	-	143.7	143.6	142.2	141.9	
Advertising agencies	7311	145.0	146.5	143.6	145.4	-	-	-	-	-	
Credit reporting and collection	732	90.3	90.2	100.2	100.7	-	-	-	-	-	
Mailing, reproduction, and stenographic	733	183.9	187.9	202.2	202.0	-	-	-	-	-	
Services to buildings	734	663.4	669.9	718.7	721.5	-	604.1	608.6	649.4	651.5	
Personnel supply services	736	955.6	968.3	1,032.8	1,050.0	-	-	-	-	-	
Employment agencies	7361	172.6	169.5	180.8	186.0	-	-	-	-	-	
Temporary help supply services	7362	737.6	752.9	805.3	816.5	-	-	-	-	-	
Computer and data processing services	737	548.7	553.3	589.6	588.6	-	452.0	455.1	473.6	469.1	
Computer programming and software	7372	200.5	201.7	217.2	216.3	-	-	-	-	-	
Data processing services	7374	258.6	261.0	273.6	272.4	-	-	-	-	-	
Miscellaneous business services	739	1,906.9	1,909.3	2,018.4	2,031.5	-	-	-	-	-	
Research development laboratories, nec	7391	183.6	182.7	195.4	195.1	-	-	-	-	-	
Management and public relations	7392	523.3	518.0	562.8	563.1	-	-	-	-	-	
Detective and protective services	7393	425.9	429.7	452.3	457.2	-	-	-	-	-	
Equipment rental and leasing	7394	188.3	187.3	190.8	190.0	-	-	-	-	-	
Photofinishing laboratories	7395	81.3	81.9	81.0	81.4	-	-	-	-	-	
Auto repair, services, and garages	75	745.2	738.5	769.4	771.4	-	624.3	621.0	645.1	645.6	
Automotive rentals, without drivers	751	157.5	157.1	167.3	167.7	-	-	-	-	-	
Automotive repair shops	753	458.3	452.9	465.5	467.2	-	380.2	378.4	387.8	389.5	
Miscellaneous repair services	76	325.3	327.1	332.1	333.4	-	271.3	272.8	275.8	277.4	
Electrical repair shops	762	102.9	103.7	105.1	105.4	-	-	-	-	-	
Motion pictures	78	226.5	218.5	227.0	230.2	-	193.5	183.0	193.6	195.2	
Motion picture production and services	781	100.4	98.8	103.0	107.2	-	83.5	81.2	85.6	87.6	
Motion picture theaters	783	115.3	109.0	113.0	112.1	-	-	-	-	-	
Amusement and recreation services	79	969.6	920.5	1,099.4	1,107.1	-	860.8	813.5	994.0	999.0	
Health services	80	6,353.1	6,355.2	6,634.1	6,653.6	6,662.8	5,656.2	5,651.9	5,896.7	5,913.0	
Offices of physicians	801	961.9	964.7	1,024.3	1,030.7	-	797.0	799.0	848.0	852.6	
Offices of dentists	802	442.7	443.2	460.8	464.2	-	394.3	394.2	406.9	408.4	
Nursing and personal care facilities	805	1,228.0	1,227.6	1,297.6	1,303.4	-	1,112.7	1,110.7	1,172.7	1,179.3	
Skilled nursing care facilities	8051	806.6	807.6	852.5	855.3	-	-	-	-	-	
Nursing and personal care, nec	8059	421.4	420.0	445.1	448.1	-	-	-	-	-	
Hospitals	806	3,000.0	2,998.2	3,057.6	3,059.7	-	2,734.4	2,730.5	2,786.1	2,788.6	
General medical and surgical hospitals	8062	2,815.1	2,813.8	2,870.0	2,872.0	-	-	-	-	-	
Psychiatric hospitals	8063	57.9	57.6	59.9	59.8	-	-	-	-	-	
Specialty hospitals, excluding psychiatric	8069	127.0	126.8	127.7	127.9	-	-	-	-	-	
Medical and dental laboratories	807	120.7	120.7	130.4	131.4	-	-	-	-	-	
Outpatient care facilities	808	219.6	220.4	248.1	248.7	-	-	-	-	-	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Services—Continued											
Legal services	81	702.9	691.9	753.1	751.4	-	596.9	585.8	637.6	634.7	-
Educational services	82	1,130.9	1,313.6	1,167.9	1,156.7	-	-	-	-	-	-
Elementary and secondary schools	821	323.3	375.5	334.1	331.4	-	-	-	-	-	-
Colleges and universities	822	666.9	803.1	691.6	683.4	-	-	-	-	-	-
Correspondence and vocational schools	824	64.3	64.6	64.0	64.3	-	-	-	-	-	-
Social services	83	1,342.2	1,358.5	1,400.6	1,398.9	-	-	-	-	-	-
Individual and family services	832	266.0	265.3	289.8	290.7	-	-	-	-	-	-
Job training and related services	833	215.2	207.5	228.2	222.2	-	-	-	-	-	-
Residential care	836	296.0	295.7	312.3	313.2	-	-	-	-	-	-
Museums, botanical and zoological gardens	84	43.8	42.9	46.8	46.3	-	-	-	-	-	-
Membership organizations	86	1,525.6	1,503.3	1,534.6	1,510.3	-	-	-	-	-	-
Business associations	861	89.0	88.7	92.8	92.1	-	-	-	-	-	-
Labor organizations	863	140.6	141.6	139.6	136.6	-	-	-	-	-	-
Civic and social associations	864	358.6	327.7	371.3	354.2	-	-	-	-	-	-
Miscellaneous services	89	1,239.4	1,232.8	1,310.6	1,308.9	-	1,016.9	1,006.9	1,071.9	1,071.3	-
Engineering and architectural services	891	685.1	680.9	729.4	727.4	-	578.9	574.3	616.8	616.1	-
Noncommercial research organizations	892	117.4	114.0	124.4	123.6	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	893	411.0	411.5	429.9	431.3	-	324.5	321.7	335.4	336.4	-
Government		15,541	16,260	15,831	15,687	16,354	-	-	-	-	-
Federal Government⁴		2,918	2,878	2,918	2,908	2,891	-	-	-	-	-
Executive, by agency ⁴		2,860.4	2,755.0	2,862.0			-	-	-	-	-
Department of Defense		1,006.3	966.4	990.2	-	-	-	-	-	-	-
Postal Service ⁵		753.2	713.5	792.1	-	-	-	-	-	-	-
Other executive agencies		1,100.9	1,075.1	1,079.7	-	-	-	-	-	-	-
Legislative		39.9	39.4	37.7	-	-	-	-	-	-	-
Judicial		18.1	17.1	18.5	-	-	-	-	-	-	-
Federal government, by industry:											
Manufacturing activities		132.3	131.4	123.6	122.8	-	-	-	-	-	-
Shipbuilding and repairing	3731	79.9	79.3	74.7	74.2	-	-	-	-	-	-
Transportation and public utilities, except Postal Service		40.6	39.6	39.2	39.3	-	-	-	-	-	-
Services		421.5	418.7	415.0	412.9	-	-	-	-	-	-
Hospitals	806	252.2	252.3	249.8	248.3	-	-	-	-	-	-
State government		3,650	3,816	3,721	3,709	3,840	-	-	-	-	-
Hospitals	806	455.3	454.4	461.5	461.3	-	-	-	-	-	-
Education	82	1,293.4	1,490.1	1,312.3	1,304.2	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		1,284.1	1,273.6	1,327.6	1,324.7	-	-	-	-	-	-
Local government		8,973	9,566	9,192	9,070	9,623	-	-	-	-	-
Transportation and public utilities		511.0	508.0	521.4	522.5	-	-	-	-	-	-
Hospitals	806	615.0	614.6	624.3	624.1	-	-	-	-	-	-
Education	82	4,373.6	5,209.3	4,500.3	4,418.4	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		3,119.8	2,915.1	3,198.2	3,166.1	-	-	-	-	-	-

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

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

³ Data for nonoffice sales agents are excluded from the nonsupervisory count for all series in this division.

⁴ Prepared by the Office of Personnel Management. Data relate to

civilian employment only and exclude the Central Intelligence Agency and the National Security Agency.

⁵ Includes rural mail carriers.

- Data not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 forward are subject to revision.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	June 1985	July 1985	May 1986	June 1986	July 1986
Total	44,043	43,274	45,797	45,786	45,027
Total private	35,898	35,765	37,142	37,363	37,349
Goods-producing	6,868	6,770	6,867	6,912	6,830
Mining	122	121	111	109	108
Construction	471	476	508	519	527
Manufacturing	6,275	6,173	6,248	6,284	6,195
Durable goods	3,055	3,000	3,018	3,016	2,980
Lumber and wood products	109	108	112	115	115
Furniture and fixtures	150	146	155	155	150
Stone, clay, and glass products	114	113	114	116	115
Primary metal industries	105	103	102	101	99
Fabricated metal products	325	318	324	326	318
Machinery, except electrical	483	473	460	459	453
Electrical and electronic equipment	931	912	903	892	893
Transportation equipment	358	358	370	371	370
Instruments and related products	311	308	310	311	306
Miscellaneous manufacturing	168	161	169	170	160
Nondurable goods	3,220	3,173	3,230	3,268	3,215
Food and kindred products	495	509	491	511	526
Tobacco manufactures	21	20	19	19	19
Textile mill products	337	327	343	345	340
Apparel and other textile products	902	865	901	903	860
Paper and allied products	168	167	168	171	170
Printing and publishing	606	606	626	630	629
Chemicals and allied products	290	289	286	291	289
Petroleum and coal products	29	29	26	26	26
Rubber and misc. plastics products	274	268	280	282	271
Leather and leather products	99	94	91	91	85
Service-producing	37,175	36,504	38,930	38,874	38,197
Transportation and public utilities	1,460	1,442	1,490	1,453	1,489
Wholesale trade	1,630	1,623	1,709	1,708	1,708
Retail trade	9,128	9,094	9,355	9,448	9,431
Finance, insurance, and real estate	3,650	3,673	3,874	3,927	3,963
Services	13,162	13,163	13,847	13,915	13,928
Government	8,145	7,509	8,655	8,423	7,678
Federal	1,024	1,031	1,035	1,038	1,039
State	1,717	1,672	1,889	1,803	1,745
Local	5,404	4,806	5,731	5,582	4,894

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1985 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

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

(In thousands)

	1985				1986								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^P	Sept. ^P
Total	98,128	98,428	98,666	98,910	99,296	99,429	99,484	99,783	99,918	99,843	100,105	100,261	100,368
Total private	81,592	81,853	82,073	82,281	82,659	82,748	82,785	83,072	83,198	83,161	83,508	83,641	83,746
Goods-producing	24,843	24,903	24,931	24,977	25,101	25,038	24,945	25,038	24,965	24,854	24,869	24,886	24,843
Mining	917	913	907	901	897	880	852	821	790	772	768	752	745
Oil and gas extraction	577	571	565	560	556	541	518	488	461	446	442	431	426
Construction	4,728	4,754	4,765	4,787	4,901	4,864	4,838	4,972	4,974	4,947	4,980	5,012	5,014
General building contractors	1,267	1,276	1,283	1,287	1,330	1,320	1,298	1,315	1,314	1,299	1,299	1,305	1,299
Manufacturing	19,198	19,236	19,259	19,289	19,303	19,294	19,255	19,245	19,201	19,135	19,121	19,122	19,084
Durable goods	11,421	11,447	11,453	11,461	11,466	11,455	11,418	11,415	11,378	11,307	11,294	11,296	11,258
Lumber and wood products	702	705	708	710	716	716	715	719	719	721	724	729	732
Furniture and fixtures	491	493	493	494	494	494	493	494	496	496	498	499	496
Stone, clay, and glass products	590	591	591	593	596	597	594	600	599	597	593	593	595
Primary metal industries	795	797	801	803	798	795	787	785	780	761	758	742	741
Blast furnaces and basic steel products	304	304	302	303	300	299	293	291	288	286	285	285	264
Fabricated metal products	1,459	1,460	1,459	1,456	1,455	1,452	1,450	1,451	1,447	1,440	1,428	1,430	1,432
Machinery, except electrical	2,147	2,146	2,139	2,133	2,137	2,127	2,118	2,111	2,100	2,089	2,079	2,075	2,048
Electrical and electronic equipment	2,179	2,181	2,179	2,182	2,182	2,181	2,177	2,177	2,175	2,143	2,169	2,169	2,164
Transportation equipment	1,970	1,987	1,993	1,998	1,996	1,998	1,989	1,986	1,972	1,974	1,969	1,978	1,973
Motor vehicles and equipment	871	873	870	872	867	864	858	854	839	839	824	831	827
Instruments and related products	723	722	723	725	724	725	726	723	721	717	713	716	714
Miscellaneous manufacturing	365	365	367	367	368	370	369	369	369	369	363	365	363
Nondurable goods	7,777	7,789	7,806	7,828	7,837	7,839	7,837	7,830	7,823	7,828	7,827	7,826	7,826
Food and kindred products	1,607	1,610	1,612	1,623	1,623	1,631	1,632	1,633	1,640	1,648	1,645	1,650	1,651
Tobacco manufactures	65	64	65	64	64	63	63	63	62	62	62	59	57
Textile mill products	697	699	701	702	702	705	707	703	705	707	710	711	709
Apparel and other textile products	1,121	1,121	1,122	1,130	1,133	1,122	1,117	1,119	1,113	1,106	1,108	1,106	1,103
Paper and allied products	682	683	687	686	687	687	688	689	689	690	687	685	687
Printing and publishing	1,442	1,447	1,454	1,457	1,461	1,467	1,469	1,472	1,474	1,477	1,483	1,480	1,482
Chemicals and allied products	1,042	1,040	1,037	1,035	1,034	1,032	1,031	1,028	1,024	1,026	1,025	1,026	1,025
Petroleum and coal products	171	171	170	169	168	167	166	166	166	164	163	163	163
Rubber and misc. plastics products	785	790	794	798	802	803	804	800	796	797	792	794	798
Leather and leather products	165	164	164	164	163	162	160	157	154	151	152	152	151
Service-producing	73,285	73,525	73,735	73,933	74,195	74,391	74,539	74,745	74,953	74,989	75,236	75,375	75,525
Transportation and public utilities	5,257	5,260	5,272	5,277	5,286	5,277	5,280	5,266	5,265	5,167	5,288	5,250	5,279
Transportation	3,023	3,026	3,040	3,046	3,056	3,048	3,053	3,040	3,037	3,035	3,057	3,059	3,058
Communication and public utilities	2,234	2,234	2,232	2,231	2,230	2,229	2,227	2,226	2,228	2,132	2,231	2,191	2,221
Wholesale trade	5,777	5,796	5,796	5,809	5,830	5,843	5,841	5,864	5,872	5,829	5,849	5,872	5,874
Durable goods	3,432	3,442	3,451	3,460	3,470	3,482	3,480	3,485	3,488	3,454	3,483	3,488	3,489
Nondurable goods	2,345	2,354	2,345	2,349	2,360	2,361	2,361	2,379	2,384	2,375	2,366	2,384	2,385
Retail trade	17,489	17,543	17,589	17,622	17,734	17,795	17,828	17,851	17,911	17,944	17,992	18,026	18,069
General merchandise stores	2,326	2,329	2,326	2,317	2,328	2,333	2,333	2,342	2,344	2,350	2,354	2,360	2,371
Food stores	2,813	2,828	2,845	2,870	2,880	2,891	2,901	2,910	2,917	2,932	2,938	2,950	2,951
Automotive dealers and service stations	1,910	1,916	1,918	1,922	1,929	1,938	1,939	1,940	1,944	1,945	1,950	1,961	1,972
Eating and drinking places	5,761	5,772	5,783	5,801	5,831	5,854	5,868	5,859	5,889	5,918	5,931	5,921	5,938
Finance, insurance, and real estate	6,014	6,038	6,070	6,095	6,123	6,157	6,184	6,228	6,261	6,295	6,334	6,365	6,385
Finance	3,011	3,024	3,039	3,053	3,066	3,082	3,095	3,120	3,137	3,159	3,176	3,193	3,203
Insurance	1,846	1,852	1,862	1,868	1,878	1,889	1,900	1,910	1,918	1,927	1,945	1,952	1,962
Real estate	1,157	1,162	1,169	1,174	1,179	1,186	1,189	1,198	1,206	1,209	1,213	1,220	1,220
Services	22,212	22,313	22,415	22,501	22,585	22,638	22,707	22,825	22,924	23,072	23,176	23,242	23,296
Business services	4,542	4,567	4,604	4,631	4,660	4,687	4,698	4,750	4,755	4,792	4,835	4,845	4,885
Health services	6,350	6,375	6,401	6,424	6,447	6,471	6,497	6,511	6,543	6,571	6,601	6,634	6,656
Government	16,536	16,575	16,593	16,629	16,637	16,681	16,699	16,711	16,720	16,882	16,597	16,620	16,622
Federal	2,899	2,895	2,904	2,913	2,918	2,918	2,923	2,914	2,899	2,875	2,866	2,876	2,911
State	3,878	3,895	3,901	3,904	3,916	3,924	3,927	3,938	3,936	3,927	3,921	3,917	3,902
Local	9,759	9,785	9,788	9,812	9,803	9,839	9,849	9,859	9,885	9,880	9,810	9,827	9,809

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985

benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1985						1986						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
Total	43,996	44,135	44,255	44,427	44,601	44,753	44,955	45,127	45,237	45,397	45,556	45,602	45,758
Total private	35,808	35,930	36,007	36,160	36,319	36,446	36,639	36,767	36,867	37,014	37,142	37,182	37,386
Goods-producing	6,816	6,819	6,811	6,825	6,847	6,866	6,893	6,889	6,887	6,893	6,885	6,866	6,874
Mining	119	120	120	120	120	119	120	120	118	114	112	108	106
Construction	467	470	472	478	482	486	494	493	499	505	510	512	517
Manufacturing	6,230	6,229	6,219	6,227	6,245	6,261	6,279	6,276	6,270	6,274	6,263	6,246	6,251
Durable goods	3,023	3,022	3,004	3,009	3,012	3,011	3,020	3,017	3,014	3,019	3,016	2,996	3,003
Lumber and wood products	107	108	108	108	109	110	110	111	112	111	112	113	114
Furniture and fixtures	151	152	151	152	152	152	152	153	154	154	155	155	155
Stone, clay, and glass products	113	113	112	112	113	113	115	114	113	114	114	115	115
Primary metal industries	103	103	102	102	103	103	103	103	102	102	101	99	99
Fabricated metal products	322	322	321	322	322	322	322	322	322	324	323	324	322
Machinery, except electrical	475	470	467	466	463	461	464	460	460	461	458	456	454
Electrical and electronic equipment	919	917	908	907	906	905	905	903	901	902	903	887	901
Transportation equipment	358	360	360	363	366	366	368	370	369	370	370	369	370
Instruments and related products	309	310	309	309	309	310	311	311	312	311	310	309	308
Miscellaneous manufacturing	166	167	166	168	169	169	170	170	169	170	170	169	165
Nondurable goods	3,207	3,207	3,215	3,218	3,233	3,250	3,259	3,259	3,256	3,255	3,247	3,250	3,248
Food and kindred products	495	495	495	498	500	508	507	513	513	512	513	517	512
Tobacco manufactures	22	22	23	22	23	22	22	22	22	22	21	21	21
Textile mill products	333	335	334	335	337	337	340	342	343	341	343	343	346
Apparel and other textile products	899	897	901	900	901	908	912	902	899	902	895	892	894
Paper and allied products	166	166	166	166	168	167	167	168	168	168	168	168	169
Printing and publishing	608	608	611	611	616	617	619	622	623	626	625	629	632
Chemicals and allied products	286	286	287	286	286	287	287	287	287	286	287	288	287
Petroleum and coal products	28	28	27	27	27	27	26	26	26	26	26	25	25
Rubber and misc. plastics products	271	272	273	275	278	279	282	281	281	279	278	278	274
Leather and leather products	99	98	98	98	97	98	97	96	94	93	91	89	88
Service-producing	37,180	37,316	37,444	37,602	37,754	37,887	38,062	38,238	38,350	38,504	38,671	38,736	38,884
Transportation and public utilities	1,454	1,454	1,459	1,464	1,468	1,472	1,475	1,478	1,482	1,483	1,486	1,441	1,501
Wholesale trade	1,630	1,638	1,640	1,648	1,653	1,660	1,676	1,689	1,691	1,707	1,718	1,706	1,715
Retail trade	9,088	9,102	9,116	9,151	9,185	9,193	9,268	9,313	9,347	9,362	9,383	9,392	9,422
Finance, insurance, and real estate	3,644	3,666	3,682	3,699	3,730	3,748	3,771	3,796	3,816	3,848	3,878	3,904	3,932
Services	13,176	13,251	13,299	13,373	13,436	13,507	13,556	13,602	13,644	13,721	13,792	13,873	13,942
Government	8,188	8,205	8,248	8,267	8,282	8,307	8,316	8,360	8,370	8,383	8,414	8,420	8,372
Federal	1,008	1,013	1,019	1,022	1,026	1,031	1,034	1,038	1,036	1,034	1,030	1,020	1,017
State	1,791	1,798	1,810	1,816	1,821	1,824	1,832	1,843	1,847	1,856	1,863	1,868	1,868
Local	5,389	5,394	5,419	5,429	5,435	5,452	5,450	5,479	5,487	5,493	5,521	5,532	5,487

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

B-6. Production or nonsupervisory workers ¹ on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted

(In thousands)

Industry	1985				1986								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^P	Sept. ^P
Total private	65,936	66,168	66,347	66,510	66,856	66,945	66,916	67,167	67,261	67,223	67,502	67,606	67,681
Goods-producing	17,381	17,425	17,440	17,486	17,597	17,536	17,454	17,546	17,475	17,388	17,395	17,425	17,383
Mining	650	647	642	638	634	622	598	573	547	535	533	527	519
Construction	3,702	3,719	3,724	3,748	3,852	3,817	3,795	3,913	3,903	3,874	3,901	3,932	3,922
Manufacturing	13,029	13,059	13,074	13,100	13,111	13,097	13,061	13,060	13,025	12,979	12,961	12,966	12,942
Durable goods	7,572	7,594	7,594	7,595	7,595	7,579	7,545	7,547	7,519	7,462	7,441	7,445	7,422
Lumber and wood products	590	593	595	597	602	602	602	605	605	606	604	610	614
Furniture and fixtures	392	393	394	394	394	394	395	395	397	397	398	400	397
Stone, clay, and glass products	452	453	454	455	459	459	459	463	462	460	458	457	458
Primary metal industries	602	603	608	611	606	604	596	596	591	574	569	551	552
Blast furnaces and basic steel products	228	227	233	234	232	231	225	224	222	220	220	199	198
Fabricated metal products	1,079	1,080	1,078	1,076	1,076	1,072	1,069	1,073	1,068	1,062	1,052	1,055	1,059
Machinery, except electrical	1,288	1,289	1,283	1,278	1,280	1,272	1,267	1,263	1,256	1,250	1,240	1,241	1,216
Electrical and electronic equipment	1,273	1,274	1,270	1,267	1,262	1,258	1,252	1,249	1,250	1,224	1,246	1,249	1,247
Transportation equipment	1,244	1,258	1,260	1,263	1,259	1,258	1,247	1,245	1,233	1,233	1,223	1,228	1,226
Motor vehicles and equipment	671	678	674	676	669	666	660	658	645	644	629	630	630
Instruments and related products	390	389	389	390	391	392	392	392	390	389	387	390	389
Miscellaneous manufacturing	262	262	263	264	266	268	266	266	267	267	264	264	264
Nondurable goods	5,457	5,465	5,480	5,505	5,516	5,518	5,516	5,513	5,506	5,517	5,520	5,521	5,520
Food and kindred products	1,122	1,124	1,126	1,137	1,137	1,145	1,145	1,145	1,149	1,160	1,158	1,160	1,164
Tobacco manufactures	49	48	48	48	48	47	48	48	47	46	47	43	42
Textile mill products	602	603	605	606	608	609	611	607	610	611	614	615	613
Apparel and other textile products	944	945	946	952	956	946	940	943	938	933	936	934	929
Paper and allied products	516	517	520	520	521	521	521	522	523	524	522	519	522
Printing and publishing	798	799	804	808	811	815	817	820	820	823	828	825	822
Chemicals and allied products	578	577	575	575	573	574	573	572	569	572	572	574	574
Petroleum and coal products	104	104	105	104	104	104	103	103	103	103	102	104	104
Rubber and misc. plastics products	607	611	615	619	623	623	625	623	620	621	617	622	626
Leather and leather products	137	137	136	136	135	134	133	130	127	124	124	125	124
Service-producing	48,555	48,743	48,907	49,024	49,259	49,409	49,462	49,621	49,786	49,835	50,107	50,181	50,298
Transportation and public utilities	4,356	4,362	4,374	4,381	4,384	4,377	4,373	4,362	4,361	4,270	4,354	4,323	4,357
Wholesale trade	4,642	4,659	4,658	4,665	4,686	4,695	4,693	4,712	4,711	4,674	4,690	4,706	4,700
Retail trade	15,556	15,613	15,657	15,669	15,794	15,854	15,867	15,880	15,939	15,981	16,018	16,043	16,092
Finance, insurance, and real estate	4,455	4,472	4,495	4,513	4,532	4,554	4,571	4,603	4,629	4,651	4,683	4,702	4,714
Services	19,546	19,637	19,723	19,796	19,863	19,929	19,958	20,064	20,146	20,259	20,362	20,407	20,435

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

^P = preliminary.
NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

**ESTABLISHMENT DATA
INDEXES OF DIFFUSION
SEASONALLY ADJUSTED**

B-7. Indexes of diffusion: Percent of industries in which employment¹ increased, seasonally adjusted

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1984.....	67.8	72.7	67.6	67.6	62.4	65.4	62.2	55.9	50.5	63.0	53.5	57.0
	1985.....	52.4	47.8	53.8	49.2	51.6	47.0	56.2	56.8	50.8	61.9	57.6	59.5
	1986.....	59.7	53.5	45.1	54.1	49.2	46.2	54.6	^P 55.7	^P 51.4			
Over 3-month span	1984.....	76.5	75.1	75.9	71.4	71.6	68.1	63.2	58.1	56.8	53.5	58.1	53.0
	1985.....	51.1	49.7	46.2	46.2	45.1	51.4	49.7	51.1	55.1	55.9	61.4	60.5
	1986.....	58.1	54.3	51.1	49.7	48.4	44.9	^P 48.6	^P 52.7				
Over 6-month span	1984.....	78.1	76.5	77.0	75.1	69.2	65.1	63.2	59.2	58.6	53.2	49.7	54.9
	1985.....	49.2	47.8	43.0	45.9	44.3	44.3	48.9	50.8	54.1	57.0	57.0	55.9
	1986.....	53.8	53.8	47.6	45.9	^P 46.8	^P 47.8						
Over 12-month span	1984.....	81.1	78.1	72.2	72.2	68.9	67.8	65.7	62.7	59.7	54.6	51.4	48.6
	1985.....	46.2	45.7	46.8	43.8	44.9	47.3	47.6	48.9	47.3	49.5	48.9	48.6
	1986.....	50.3	^P 50.8	^P 50.5									

¹ Based on the number of employees, seasonally adjusted for 1, 3, and 6 month spans, on the payrolls of 185 private nonagricultural industries. Data for the 12-month span are unadjusted.

^P = preliminary.

NOTE: Figures are the percent of industries with employment

rising. (Half of the unchanged components are counted as rising.) Data are centered within the spans. Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Alabama	1,425.3	1,446.5	1,436.5	14.8	12.0	11.9	74.1	74.4	74.9
Birmingham	367.2	380.7	374.6	7.6	5.8	5.9	21.2	23.2	23.2
Huntsville	111.7	115.1	114.4	.1	.1	.1	4.5	4.8	4.8
Mobile	157.1	157.3	156.0	1.1	.9	.8	11.9	11.2	10.9
Montgomery	116.2	117.6	117.2	.1	.1	.1	7.7	7.8	7.9
Tuscaloosa	53.8	54.2	55.1	3.1	2.9	2.9	2.7	3.2	3.2
Alaska	249.2	243.3	243.5	9.7	8.8	8.6	24.3	18.0	18.8
Arizona	1,262.3	1,331.6	1,335.4	11.9	10.6	10.6	113.4	118.0	117.6
Phoenix	828.4	883.4	881.5	.6	.5	.5	78.5	82.7	82.2
Tucson	228.2	237.6	238.0	2.3	1.6	1.6	22.2	22.5	22.6
Arkansas	805.6	817.3	823.4	5.5	4.6	4.6	38.9	40.0	40.7
Fayetteville-Springdale	43.4	43.8	44.2	(¹)	(¹)	(¹)	2.1	2.1	2.1
Fort Smith	71.1	72.1	71.5	1.2	1.0	1.0	3.0	3.4	3.6
Little Rock-North Little Rock	222.5	222.6	223.0	.4	.4	.4	12.4	12.9	12.9
Pine Bluff	31.0	32.7	33.2	(¹)	(¹)	(¹)	1.9	3.8	3.9
California	10,948.1	11,160.2	11,173.1	51.6	42.2	42.6	500.1	494.8	502.2
Anaheim-Santa Ana	996.5	1,009.3	1,010.0	3.3	2.8	2.8	52.5	53.2	53.4
Bakersfield	153.6	147.0	148.0	16.7	11.0	11.2	9.2	7.8	8.1
Fresno	192.6	195.3	195.3	1.0	.6	.6	11.5	11.3	11.4
Los Angeles-Long Beach	3,792.9	3,885.6	3,874.1	12.9	11.5	11.7	120.9	119.5	121.2
Modesto	98.5	99.6	102.9	.1	.1	.1	6.2	6.2	6.1
Oakland	761.8	801.3	800.5	2.0	1.9	1.9	46.1	48.8	49.8
Oxnard-Ventura	184.3	192.7	192.5	3.4	3.1	3.1	9.2	9.8	10.2
Riverside-San Bernardino	511.3	530.8	529.2	1.3	1.3	1.3	39.5	40.7	41.2
Sacramento	493.6	507.4	513.4	.9	.8	.8	29.4	31.3	32.0
Salinas-Seaside-Monterey	102.4	105.4	105.8	.4	.5	.5	3.6	3.6	3.7
San Diego	782.2	799.3	803.4	.8	.8	.8	49.5	48.4	49.6
San Francisco	914.5	927.2	926.5	2.0	1.4	1.4	32.8	34.9	35.4
San Jose	787.9	788.5	791.0	.2	.2	.2	33.8	32.0	31.9
Santa Barbara-Santa Maria-Lompoc	137.6	142.2	141.5	1.5	1.4	1.4	6.6	7.0	6.8
Santa Rosa-Petaluma	113.4	115.5	116.9	.7	.6	.6	7.7	7.3	7.5
Stockton	135.3	136.8	139.9	.1	.1	.1	8.0	8.4	8.5
Vallejo-Fairfield-Napa	114.2	118.4	119.2	.4	.2	.2	7.1	7.3	7.6
Colorado	1,419.5	1,444.3	1,447.9	31.6	28.7	27.9	89.5	90.3	90.8
Boulder-Longmont	102.1	105.7	105.3	.3	.2	.2	5.4	4.9	4.8
Denver	819.8	828.4	831.0	21.3	18.8	18.2	50.7	47.6	47.9
Connecticut	1,569.8	1,605.5	1,607.6	1.8	1.8	1.8	71.9	76.1	78.2
Bridgeport-Milford	188.6	194.6	195.3	(¹)	(¹)	(¹)	7.9	8.7	8.9
Hartford	441.9	457.6	455.1	.3	.3	.3	17.7	18.9	19.4
New Britain	61.9	62.0	62.4	(¹)	(¹)	(¹)	3.7	3.7	3.8
New Haven-Meriden	236.1	240.3	240.1	.3	.3	.3	11.5	12.4	12.5
Stamford	121.6	124.6	124.5	.8	.8	.8	5.3	5.8	5.9
Waterbury	85.2	82.0	83.3	(¹)	(¹)	(¹)	3.9	4.2	4.3
Delaware	295.9	298.6	301.7	.1	.1	.1	19.3	19.0	18.5
Wilmington	254.3	254.2	257.2	.2	.2	.2	20.5	16.8	16.7
District of Columbia	645.1	669.4	667.1	.1	.1	.1	13.4	15.2	16.2
Washington MSA	1,932.5	2,009.4	1,999.9	1.3	1.4	1.4	114.7	127.4	128.2
Florida	4,367.5	4,502.1	4,508.2	10.0	9.6	9.6	339.0	340.6	341.3
Daytona Beach	100.0	107.9	107.6	(¹)	(¹)	(¹)	7.4	7.5	7.4
Fort Lauderdale-Hollywood-Pompano Beach	418.5	432.0	431.2	.4	.4	.4	35.9	38.5	38.3
Fort Myers-Cape Coral	92.3	96.9	97.2	(¹)	(¹)	(¹)	11.1	11.6	11.7
Gainesville	84.2	85.6	86.1	(¹)	(¹)	(¹)	4.6	4.5	4.5
Jacksonville	358.7	375.8	377.6	.5	.5	.5	26.8	27.6	27.4
Lakeland-Winter Haven	128.7	129.3	129.3	4.7	4.3	4.3	8.5	8.4	8.4
Melbourne-Titusville-Palm Bay	135.8	137.0	137.0	(¹)	(¹)	(¹)	9.6	8.9	8.8
Miami-Hialeah	778.3	794.8	797.2	.9	.8	.8	38.8	39.0	38.8
Orlando	412.8	433.1	433.8	(¹)	(¹)	(¹)	32.9	34.5	34.8
Pensacola	116.2	118.0	118.0	.3	.3	.3	9.9	10.9	10.7
Sarasota	90.7	92.8	93.2	(¹)	(¹)	(¹)	9.8	9.8	10.1
Tallahassee	96.3	99.1	99.6	(¹)	(¹)	(¹)	4.8	5.1	5.2
Tampa-St. Petersburg-Clearwater	722.7	739.6	741.0	.6	.6	.6	61.6	61.0	61.4
West Palm Beach-Boca Raton-Delray Beach	277.0	287.8	286.7	(¹)	(¹)	(¹)	27.3	28.2	28.5

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Alabama	358.3	354.4	350.9	73.2	72.2	72.4	306.7	318.2	317.6
Birmingham	55.2	54.6	50.5	29.5	29.8	29.6	91.0	97.2	97.8
Huntsville	30.9	31.1	30.6	2.5	2.6	2.6	21.4	21.9	22.0
Mobile	25.9	24.3	24.2	9.6	9.2	9.2	41.6	42.7	42.9
Montgomery	17.0	17.4	17.5	4.7	4.6	4.6	25.7	25.9	25.9
Tuscaloosa	8.4	8.7	8.9	2.0	2.1	2.1	10.8	10.9	11.0
Alaska	19.3	22.0	21.5	20.7	20.0	20.7	48.6	48.8	47.6
Arizona	182.2	183.5	185.2	63.3	65.4	65.4	310.2	329.8	329.3
Phoenix	130.7	130.1	131.4	41.3	43.2	43.1	210.7	225.6	225.0
Tucson	32.1	32.9	32.8	9.5	9.8	9.7	52.0	54.9	54.7
Arkansas	213.3	215.3	215.5	48.1	50.7	51.5	186.2	189.6	190.3
Fayetteville-Springdale	9.5	10.0	9.9	3.8	3.9	3.9	10.6	10.8	10.9
Fort Smith	25.2	25.3	25.0	3.4	3.3	3.4	15.8	16.1	15.8
Little Rock-North Little Rock	34.1	32.9	32.8	15.2	14.7	14.7	54.5	54.9	55.0
Pine Bluff	5.8	5.8	6.0	3.0	2.8	2.8	6.7	6.7	8.7
California	2,119.5	2,110.7	2,128.5	567.5	571.5	572.8	2,631.6	2,697.6	2,705.7
Anaheim-Santa Ana	244.0	241.3	241.7	33.2	34.0	34.0	255.4	263.9	263.7
Bakersfield	10.3	10.3	10.2	8.3	8.6	8.6	38.9	38.8	39.5
Fresno	23.4	23.7	24.8	10.8	10.4	10.6	49.5	49.6	49.7
Los Angeles-Long Beach	891.7	905.1	908.1	200.9	199.9	199.8	891.2	907.2	908.2
Modesto	26.2	23.4	27.1	4.3	4.4	4.5	23.7	25.2	25.4
Oakland	105.4	105.7	106.0	50.7	55.8	56.1	192.1	202.9	203.5
Oxnard-Ventura	28.4	28.6	28.8	7.9	10.1	10.3	48.1	50.1	50.2
Riverside-San Bernardino	66.5	67.7	68.4	29.8	29.9	29.9	132.2	136.6	135.8
Sacramento	38.1	37.5	39.9	23.8	23.9	24.1	120.4	123.5	124.1
Salinas-Seaside-Monterey	10.4	9.9	10.5	5.2	5.2	5.2	28.5	29.7	29.8
San Diego	123.3	120.6	120.6	31.2	31.9	31.8	187.6	195.1	196.7
San Francisco	81.0	79.9	79.7	83.6	79.8	79.7	211.6	219.1	220.2
San Jose	292.6	283.0	283.9	21.9	22.0	22.0	149.9	156.3	156.9
Santa Barbara-Santa Maria-Lompoc	23.1	24.1	23.9	5.5	5.5	5.5	33.5	34.5	34.6
Santa Rosa-Petaluma	18.1	17.6	18.1	5.4	5.6	5.6	29.5	30.3	30.3
Stockton	25.9	23.9	26.0	8.5	8.7	9.1	30.6	32.8	33.2
Vallejo-Fairfield-Napa	11.9	11.8	12.5	4.4	4.6	4.6	27.0	28.7	29.0
Colorado	194.7	191.1	191.1	90.3	89.3	89.6	354.3	365.9	367.4
Boulder-Longmont	29.3	29.0	29.0	2.5	2.5	2.5	21.4	22.8	22.7
Denver	102.9	100.2	99.7	64.9	64.7	65.0	204.2	212.3	212.8
Connecticut	404.6	395.5	396.1	67.5	69.6	69.7	352.6	363.9	364.6
Bridgeport-Milford	61.7	61.0	61.7	7.0	7.5	7.5	44.0	46.4	46.5
Hartford	91.6	92.3	90.3	16.4	17.2	17.1	95.7	98.8	98.5
New Britain	22.3	20.8	21.0	3.2	3.3	3.4	11.9	12.3	12.4
New Haven-Meriden	47.1	45.9	45.9	17.1	17.5	17.4	55.4	57.1	57.4
Stamford	28.0	26.5	26.2	4.9	5.0	5.0	29.2	30.4	30.4
Waterbury	28.1	25.1	26.3	3.0	3.0	3.0	16.0	16.6	16.6
Delaware	69.4	63.9	67.8	11.2	11.6	11.4	67.4	89.1	69.0
Wilmington	58.8	54.4	57.8	12.4	13.2	13.1	52.5	54.8	54.5
District of Columbia	15.0	15.2	15.3	25.6	24.5	24.3	63.4	63.4	62.9
Washington MSA	82.8	63.0	82.2	88.6	89.1	89.1	379.8	394.9	391.7
Florida	512.2	520.3	523.9	242.4	242.5	242.5	1,188.2	1,230.3	1,234.6
Daytona Beach	12.1	12.3	12.3	3.2	3.4	3.4	28.9	32.3	32.3
Fort Lauderdale-Hollywood-Pompano Beach	44.0	44.9	44.8	20.7	21.0	20.9	122.9	125.5	125.4
Fort Myers-Cape Coral	4.8	5.2	5.2	4.1	4.5	4.5	27.6	29.6	29.5
Gainesville	5.2	5.3	5.3	1.8	1.7	1.8	18.4	19.6	19.9
Jacksonville	37.2	37.8	38.1	26.7	27.9	28.0	99.2	106.4	106.8
Lakeland-Winter Haven	20.9	19.8	19.9	5.8	6.3	6.3	35.4	35.3	35.6
Melbourne-Titusville-Palm Bay	26.6	26.6	26.7	5.4	5.5	5.5	30.6	32.0	31.8
Miami-Hialeah	93.2	94.0	94.6	67.7	68.7	69.4	209.6	213.0	214.9
Orlando	47.8	52.2	52.4	21.2	22.1	22.2	113.2	118.4	118.6
Pensacola	11.7	10.8	10.9	6.6	6.5	6.5	29.5	30.4	30.6
Sarasota	7.5	7.9	8.0	3.4	3.6	3.6	26.9	27.3	27.2
Tallahassee	4.1	4.1	4.1	2.8	3.0	3.0	20.8	21.8	21.9
Tampa-St. Petersburg-Clearwater	90.9	90.5	90.6	36.9	37.0	36.8	200.4	205.8	206.3
West Palm Beach-Boca Raton-Delray Beach	37.1	34.7	35.1	10.4	10.6	10.6	71.4	75.6	74.8

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Alabama	66.7	70.4	70.4	242.1	247.7	247.3	289.4	299.2	291.1
Birmingham	26.9	28.0	27.9	81.6	84.1	84.4	54.2	58.0	55.5
Huntsville	3.2	3.2	3.2	21.1	23.5	23.6	28.0	27.9	27.5
Mobile	8.1	7.9	7.8	32.9	33.4	33.4	26.0	27.7	26.8
Montgomery	7.0	7.0	7.0	23.1	23.1	23.2	30.9	31.7	31.0
Tuscaloosa	1.8	1.8	1.8	7.3	7.0	7.3	17.7	17.6	17.9
Alaska	13.3	13.3	13.3	47.9	47.9	48.1	65.4	66.5	64.9
Arizona	82.0	91.1	91.4	299.0	323.2	321.9	200.3	210.0	214.0
Phoenix	64.2	71.7	72.1	200.1	219.6	218.4	102.3	110.0	108.8
Tucson	11.7	12.9	12.8	56.1	59.3	59.0	42.3	43.7	44.8
Arkansas	37.3	38.2	38.3	141.0	147.2	148.1	135.3	131.7	134.4
Fayetteville-Springdale	1.5	1.5	1.5	6.1	6.0	6.2	9.8	9.5	9.7
Fort Smith	2.6	2.7	2.7	13.7	14.0	13.8	6.2	6.3	6.2
Little Rock-North Little Rock	15.2	15.3	15.4	48.0	49.1	49.3	42.7	42.4	42.5
Pine Bluff	1.6	1.7	1.7	5.6	5.6	5.6	6.4	6.3	6.5
California	738.0	764.8	767.1	2,657.9	2,724.0	2,732.4	1,681.9	1,754.6	1,721.8
Anaheim-Santa Ana	74.7	77.9	78.1	236.3	241.2	241.1	97.1	95.0	95.2
Bakersfield	5.9	5.9	5.9	29.3	29.5	29.6	35.0	35.1	34.9
Fresno	13.2	13.7	13.7	45.3	46.1	46.0	37.9	39.9	38.5
Los Angeles-Long Beach	261.8	268.9	269.6	967.4	996.6	999.8	446.1	476.9	455.7
Modesto	4.0	4.2	4.2	20.0	20.7	20.9	14.0	15.4	14.6
Oakland	46.7	52.1	52.5	172.6	180.7	181.0	146.2	153.4	149.7
Oxnard-Ventura	10.3	10.4	10.4	39.5	41.5	41.5	37.5	39.1	38.0
Riverside-San Bernardino	22.3	23.2	23.3	118.4	121.7	121.6	101.3	109.7	107.7
Sacramento	29.0	30.7	31.0	102.5	105.9	106.9	149.5	153.8	154.6
Salinas-Seaside-Monterey	4.7	5.0	5.0	24.6	25.6	25.7	25.0	25.9	25.4
San Diego	52.3	53.4	53.6	200.4	207.6	209.7	137.1	141.5	140.6
San Francisco	112.8	109.9	109.8	261.1	269.9	269.4	129.6	132.3	130.9
San Jose	32.1	33.1	33.3	179.5	182.9	184.0	77.9	79.0	78.8
Santa Barbara-Santa Maria-Lompoc	7.4	7.6	7.6	35.9	37.0	37.2	24.1	25.1	24.5
Santa Rosa-Petaluma	7.9	8.0	8.0	24.9	25.4	25.6	19.2	20.7	21.2
Stockton	8.1	8.0	8.0	26.9	28.9	27.3	27.2	28.0	27.7
Vallejo-Fairfield-Napa	4.7	5.0	5.0	24.7	26.4	26.4	34.0	34.4	33.9
Colorado	99.9	101.5	101.9	326.2	342.3	345.3	233.1	235.1	234.0
Boulder-Longmont	3.8	4.1	4.1	21.5	23.0	23.1	17.9	19.2	18.9
Denver	67.5	69.2	69.4	197.2	202.8	204.9	111.1	112.7	113.0
Connecticut	132.6	140.8	141.0	357.6	372.2	371.9	181.2	185.6	184.3
Bridgeport-Milford	9.9	10.6	10.5	41.7	43.2	43.1	18.4	17.2	17.1
Hartford	68.8	72.7	72.8	97.3	102.4	101.9	54.1	55.0	54.8
New Britain	3.2	3.5	3.5	11.9	12.6	12.6	5.7	5.8	5.7
New Haven-Meriden	13.7	14.3	14.2	62.5	64.9	64.7	28.5	27.9	27.7
Stamford	10.3	10.7	10.8	34.5	36.7	36.8	8.6	8.7	8.6
Waterbury	3.6	3.7	3.6	20.3	19.3	19.4	10.3	10.1	10.1
Delaware	20.2	22.1	22.2	63.8	67.4	67.8	44.7	45.4	45.1
Wilmington	18.6	20.8	20.9	56.4	59.2	59.4	34.8	35.0	34.5
District of Columbia	34.9	35.2	35.1	215.5	225.6	227.1	277.2	290.2	286.3
Washington MSA	109.4	116.5	116.2	594.8	622.4	622.0	561.2	574.7	569.2
Florida	321.2	332.9	334.2	1,127.9	1,180.0	1,182.1	626.6	645.9	640.0
Daytona Beach	6.1	6.5	6.5	27.5	29.9	29.8	14.8	18.0	15.9
Fort Lauderdale-Hollywood-Pompano Beach	35.8	37.0	37.1	110.9	115.5	115.5	47.9	49.2	48.8
Fort Myers-Cape Coral	6.7	7.4	7.3	24.2	25.3	25.4	13.6	13.2	13.5
Gainesville	3.5	3.5	3.4	18.9	19.4	19.5	31.7	31.5	31.7
Jacksonville	32.9	34.3	34.5	85.4	89.2	90.1	50.0	52.1	52.2
Lakeland-Winter Haven	7.6	7.9	7.9	29.6	30.5	30.6	16.2	16.8	16.3
Melbourne-Titusville-Palm Bay	5.0	5.0	5.0	39.8	40.3	40.2	18.8	18.6	18.9
Miami-Hialeah	65.4	67.3	67.6	207.5	211.2	212.0	95.2	100.8	99.1
Orlando	27.3	29.2	29.4	125.9	130.7	131.0	44.4	45.9	45.3
Pensacola	5.0	5.1	5.1	28.5	29.3	29.3	24.7	24.7	24.6
Sarasota	7.7	7.9	7.9	25.0	25.8	25.9	10.3	10.3	10.3
Tallahassee	4.6	4.5	4.5	18.6	19.5	19.6	40.3	40.8	41.0
Tampa-St. Petersburg-Clearwater	57.2	59.8	59.7	190.5	196.8	197.0	84.6	88.1	88.8
West Palm Beach-Boca Raton-Delray Beach	23.4	23.8	23.7	75.9	81.6	81.1	31.5	33.2	32.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Georgia	2,583.6	2,634.0	2,651.4	8.1	8.5	8.6	151.5	161.9	162.7
Albany	49.3	46.2	46.9	(¹)	(¹)	(¹)	2.4	2.4	2.3
Athens	58.4	58.7	59.3	.1	.1	.1	2.7	2.8	2.8
Atlanta	1,284.2	1,327.9	1,335.9	1.3	1.6	1.6	76.8	87.5	88.8
Augusta	147.3	145.8	146.5	.5	.5	.5	9.3	9.5	9.3
Columbus	88.8	89.3	89.5	.1	.1	.1	5.4	5.4	5.2
Macon-Warner Robins	114.2	115.2	116.0	.2	.2	.2	5.4	5.5	5.5
Savannah	94.8	97.9	98.5	(¹)	(¹)	(¹)	5.0	6.7	7.1
Hawaii	423.7	431.3	431.5	(¹)	(¹)	(¹)	17.4	17.5	18.3
Honolulu	341.1	346.6	346.9	(¹)	(¹)	(¹)	14.2	13.9	14.6
Idaho	341.2	335.0	335.7	4.2	2.8	2.7	18.5	16.7	17.2
Boise City	87.1	90.4	90.3	(¹)	(¹)	(¹)	6.0	6.2	6.1
Illinois	4,788.7	4,807.2	4,825.7	29.9	26.7	26.5	205.0	197.1	205.1
Aurora-Elgin	128.4	130.2	130.4	(¹)	(¹)	(¹)	4.9	5.4	5.5
Bloomington-Normal	50.8	50.0	51.0	(¹)	(¹)	(¹)	1.4	1.3	1.4
Champaign-Urbana-Rantoul	72.2	75.1	72.8	(¹)	(¹)	(¹)	2.2	2.1	2.2
Chicago	2,969.5	2,988.1	2,986.4	2.7	2.5	2.5	120.0	118.7	120.3
Davenport-Rock Island-Moline	147.7	149.2	148.5	(¹)	(¹)	(¹)	4.9	4.9	5.0
Decatur	49.7	49.4	49.4	(¹)	(¹)	(¹)	1.7	1.8	1.8
Joliet	92.1	92.3	90.4	(¹)	(¹)	(¹)	4.7	4.5	4.7
Kankakee	32.6	32.2	32.5	(¹)	(¹)	(¹)	1.2	1.2	1.2
Lake County	175.7	180.1	180.0	(¹)	(¹)	(¹)	7.4	7.1	7.1
Peoria	130.0	128.8	128.8	(¹)	(¹)	(¹)	5.8	5.5	5.8
Rockford	121.0	120.9	121.4	(¹)	(¹)	(¹)	3.9	3.8	3.9
Springfield	96.8	91.4	96.8	(¹)	(¹)	(¹)	3.0	2.8	2.9
Indiana	2,185.9	2,253.1	2,263.7	10.7	9.6	9.6	100.5	111.3	113.7
Anderson	47.4	47.6	47.9	(¹)	(¹)	(¹)	1.5	1.5	1.5
Elkhart-Goshen	88.7	91.6	92.0	(¹)	(¹)	(¹)	2.6	2.8	2.8
Evansville	123.1	121.1	121.5	2.8	2.6	2.6	7.7	7.4	7.7
Fort Wayne	168.0	172.1	172.0	(¹)	(¹)	(¹)	8.0	8.6	8.7
Gary-Hammond	219.0	218.5	207.3	(¹)	(¹)	(¹)	13.3	14.1	13.8
Indianapolis	560.5	575.4	578.0	(¹)	(¹)	(¹)	27.3	28.6	29.3
Lafayette	56.1	56.7	56.9	(¹)	(¹)	(¹)	1.9	2.1	2.2
Muncie	45.9	46.3	46.2	(¹)	(¹)	(¹)	1.7	1.8	1.8
South Bend-Mishawaka	103.4	103.7	104.9	(¹)	(¹)	(¹)	4.8	5.0	5.2
Terre Haute	51.2	51.0	50.9	.5	.5	.5	2.0	2.0	2.0
Iowa	1,072.3	1,063.4	1,063.7	2.3	2.4	2.4	41.8	40.2	40.9
Cedar Rapids	79.8	81.0	81.1	.2	.2	.2	3.4	3.2	3.4
Des Moines	193.4	195.0	195.3	(¹)	(¹)	(¹)	8.7	9.9	10.4
Dubuque	39.3	(²)	(²)	(¹)	(²)	(²)	1.3	(²)	(²)
Iowa City	46.1	(²)	(²)	(¹)	(²)	(²)	1.5	(²)	(²)
Sioux City	47.8	47.6	47.3	(¹)	(¹)	(¹)	1.5	1.4	1.5
Waterloo-Cedar Falls	58.7	57.2	56.5	(¹)	(¹)	(¹)	2.1	1.8	1.8
Kansas	968.1	981.9	989.7	16.8	11.5	11.1	49.1	47.3	48.0
Lawrence	28.2	(²)	(²)	(¹)	(²)	(²)	1.1	(²)	(²)
Topeka	83.0	84.2	84.9	(¹)	(¹)	(¹)	3.6	4.1	4.2
Wichita	204.2	206.9	206.6	3.2	2.1	2.2	10.3	10.2	10.3
Kentucky	1,248.3	1,272.8	1,275.4	44.1	43.7	44.3	60.7	67.8	67.8
Lexington-Fayette	164.2	164.1	164.0	.9	.9	.9	9.7	10.3	10.7
Louisville	417.4	431.3	432.1	.7	.7	.7	20.6	21.7	22.0
Owensboro	32.6	32.2	32.2	1.1	.9	1.0	1.9	2.3	2.1
Louisiana	1,589.9	1,511.3	1,500.6	81.2	59.5	58.4	107.9	94.7	95.2
Alexandria	44.7	(²)	(²)	.2	(²)	(²)	3.0	(²)	(²)
Baton Rouge	214.0	212.2	212.3	1.2	1.3	1.2	21.7	21.9	22.3
Houma-Thibodaux	61.4	53.7	52.3	8.3	6.9	6.6	2.6	2.2	2.0
Lafayette	99.7	89.4	87.4	17.3	14.0	13.8	5.4	4.5	4.3
Lake Charles	59.3	54.9	54.0	2.2	1.7	1.6	3.9	3.0	2.7
Monroe	55.0	55.7	54.9	.8	.4	.4	3.9	4.2	4.4
New Orleans	534.4	510.9	506.7	19.7	16.5	16.5	27.9	25.2	24.9
Shreveport	142.2	130.4	131.2	4.9	3.5	3.3	9.0	8.0	8.3
Maine	476.4	477.9	485.6	.2	.2	.2	26.2	30.3	30.2
Lewiston-Auburn	37.1	36.5	37.7	(¹)	(¹)	(¹)	2.0	1.9	2.0
Portland	110.6	114.5	115.5	(¹)	(¹)	(¹)	6.5	6.9	6.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Georgia	557.0	546.4	554.2	164.0	166.4	167.0	655.5	679.5	682.2
Albany	10.9	8.0	8.6	2.6	2.5	2.5	12.4	12.5	12.5
Athens	15.0	14.4	15.0	1.7	1.8	1.8	12.5	12.8	12.7
Atlanta	183.7	180.8	182.6	104.9	107.3	107.4	368.0	383.2	385.6
Augusta	37.1	36.6	36.7	5.0	4.8	4.8	31.7	31.4	31.8
Columbus	20.2	20.0	20.0	3.3	3.3	3.3	19.7	19.9	19.9
Macon-Warner Robins	20.0	20.1	20.6	5.0	4.8	4.9	25.6	25.5	25.5
Savannah	15.4	15.6	15.4	10.1	9.7	10.0	24.6	25.1	25.0
Hawaii	22.4	22.9	22.3	33.6	34.1	34.0	115.3	118.4	118.1
Honolulu	16.2	16.9	16.5	27.5	28.0	27.9	91.5	93.1	93.0
Idaho	55.5	53.5	53.2	19.6	18.7	18.8	85.6	84.4	84.8
Boise City	11.0	11.0	11.1	5.5	5.7	5.8	22.6	23.6	23.6
Illinois	979.6	959.9	960.1	276.6	273.5	272.7	1,169.8	1,187.2	1,193.0
Aurora-Elgin	38.0	37.2	36.8	2.9	3.2	3.2	34.6	35.4	35.5
Bloomington-Normal	4.4	4.7	4.8	3.2	3.0	2.9	12.6	12.7	12.7
Champaign-Urbana-Rantoul	7.3	7.6	7.5	2.3	2.1	2.0	19.1	19.3	19.3
Chicago	578.6	560.4	561.8	184.0	185.4	186.4	729.4	741.7	742.2
Davenport-Rock Island-Moline	31.2	32.4	31.5	8.2	8.1	8.1	41.1	41.1	41.1
Decatur	15.0	14.2	14.0	4.3	4.5	4.4	10.8	10.9	11.0
Joliet	19.6	20.6	18.3	8.7	8.7	8.7	21.4	21.6	21.6
Kankakee	5.1	5.0	5.1	1.4	1.4	1.4	8.2	8.2	8.2
Lake County	42.3	41.3	41.4	5.7	5.6	5.4	42.6	42.8	42.9
Peoria	31.3	30.8	30.8	6.6	6.5	6.5	32.9	33.1	32.9
Rockford	45.3	44.7	45.1	4.5	4.6	4.6	27.4	27.5	27.5
Springfield	3.9	3.8	3.8	4.7	4.7	4.6	20.7	18.6	20.6
Indiana	611.9	597.3	597.7	111.8	115.4	115.3	519.8	554.8	557.8
Anderson	18.8	18.2	18.5	1.2	1.2	1.3	10.4	10.7	10.8
Elkhart-Goshen	48.2	49.6	49.8	2.9	2.8	2.9	16.6	17.3	17.5
Evansville	31.8	28.7	28.9	6.6	6.7	6.7	30.7	31.1	31.3
Fort Wayne	47.1	47.2	47.6	11.1	11.3	11.2	41.9	42.8	42.2
Gary-Hammond	60.6	56.7	50.1	13.9	13.8	13.8	50.1	50.6	50.6
Indianapolis	107.3	105.8	105.8	32.9	33.9	34.0	144.4	150.1	150.4
Lafayette	11.4	10.6	11.5	1.8	1.7	1.7	12.6	12.4	12.6
Muncie	10.9	10.7	10.8	2.2	2.3	2.3	11.4	11.8	11.8
South Bend-Mishawaka	24.7	22.6	23.8	4.4	4.6	4.6	27.5	28.1	28.2
Terre Haute	10.9	10.7	10.7	2.6	2.5	2.5	14.5	14.5	14.5
Iowa	205.9	200.3	201.0	52.5	50.1	49.8	280.3	277.3	277.5
Cedar Rapids	22.1	22.6	22.8	4.0	4.1	4.1	20.2	19.8	19.8
Des Moines	22.4	21.4	21.0	13.1	12.9	12.9	50.8	51.3	51.5
Dubuque	12.3	(²)	(²)	1.6	(²)	(²)	9.0	(²)	(²)
Iowa City	3.9	(²)	(²)	.9	(²)	(²)	9.3	(²)	(²)
Sioux City	10.2	9.9	9.7	3.2	3.1	3.1	12.6	11.9	11.9
Waterloo-Cedar Falls	13.7	12.4	11.6	2.0	1.9	1.9	14.4	14.0	13.9
Kansas	172.5	175.5	175.7	65.0	64.5	64.3	247.3	249.3	251.0
Lawrence	4.4	(²)	(²)	1.4	(²)	(²)	6.5	(²)	(²)
Topeka	9.4	9.6	9.3	7.2	7.0	6.9	19.0	18.9	19.0
Wichita	55.1	56.2	56.2	10.0	9.6	9.8	50.4	52.0	51.4
Kentucky	257.0	249.6	251.5	67.5	66.3	66.9	300.4	304.2	303.9
Lexington-Fayette	30.1	27.7	27.8	7.6	7.6	7.6	38.0	38.2	38.1
Louisville	86.2	85.3	85.6	25.3	25.3	25.6	105.7	110.5	111.3
Owensboro	6.2	5.6	5.6	2.3	2.3	2.2	8.3	8.1	8.1
Louisiana	177.8	166.7	166.4	115.1	106.5	104.0	386.8	378.5	378.3
Alexandria	3.5	(²)	(²)	2.3	(²)	(²)	11.0	(²)	(²)
Baton Rouge	20.8	20.0	20.0	10.2	10.6	10.8	52.1	50.6	50.9
Houma-Thibodaux	5.1	3.8	3.5	7.6	6.0	5.9	15.4	13.6	13.3
Lafayette	6.0	4.9	4.6	7.3	8.7	6.5	25.7	24.4	23.7
Lake Charles	9.0	8.4	8.5	4.2	3.8	3.8	15.0	14.3	14.1
Monroe	7.4	7.6	7.5	2.9	2.6	2.7	16.0	15.7	15.6
New Orleans	45.0	42.5	42.3	45.9	43.4	43.1	139.0	137.8	137.2
Shreveport	22.3	18.4	18.4	8.7	7.8	7.9	34.3	30.6	30.6
Maine	106.5	100.1	107.4	20.0	19.6	19.9	117.9	119.6	120.0
Lewiston-Auburn	10.8	9.7	10.6	1.3	1.4	1.4	8.7	8.9	9.0
Portland	16.1	16.5	17.0	5.8	5.9	6.1	33.1	33.9	34.1

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Georgia	140.2	144.7	145.7	470.3	484.4	487.8	437.0	442.3	443.1
Albany	2.6	2.5	2.5	7.7	7.9	7.8	10.7	10.4	10.5
Athens	1.9	1.9	2.0	8.1	8.4	8.4	16.4	16.6	16.5
Atlanta	91.9	93.8	94.2	282.8	295.2	298.3	174.7	178.4	177.4
Augusta	5.4	5.8	5.8	25.8	25.8	26.0	32.5	31.5	31.6
Columbus	5.9	6.2	6.2	14.0	14.3	14.5	20.1	20.2	20.2
Macon-Warner Robins	6.9	7.1	7.1	19.3	19.7	19.7	32.0	32.2	32.5
Savannah	4.3	4.4	4.4	20.1	20.8	20.9	15.2	15.6	15.6
Hawaii	32.2	32.9	32.8	109.4	113.3	113.3	93.4	92.2	92.7
Honolulu	27.2	28.1	28.0	85.8	89.2	89.3	78.7	77.4	77.6
Idaho	24.0	23.8	23.8	67.4	68.7	69.0	66.4	66.4	66.2
Boise City	8.2	8.3	8.3	18.1	19.4	19.4	15.6	16.1	16.0
Illinois	344.0	346.8	348.8	1,122.7	1,141.1	1,148.2	661.1	674.9	671.3
Aurora-Elgin	6.6	6.6	6.6	27.8	29.1	29.5	13.5	13.2	13.2
Bloomington-Normal	8.7	8.7	8.7	10.7	10.7	10.7	9.8	8.9	9.8
Champaign-Urbana-Rantoul	2.6	2.6	2.6	13.5	13.5	13.6	25.2	27.9	25.6
Chicago	245.9	255.6	255.4	762.0	769.5	774.0	346.9	354.3	343.8
Davenport-Rock Island-Moline	7.4	7.4	7.4	28.4	28.9	29.0	26.5	26.4	26.4
Decatur	2.7	2.6	2.6	10.1	10.2	10.3	5.0	5.1	5.2
Joliet	3.7	3.7	3.7	20.2	19.1	19.3	13.6	13.9	13.9
Kankakee	1.6	1.6	1.6	8.4	7.9	8.0	6.7	6.9	7.0
Lake County	5.5	5.5	5.6	41.0	45.2	45.2	30.5	31.9	31.7
Peoria	6.9	7.0	7.0	31.5	30.9	30.9	15.0	15.0	14.9
Rockford	4.8	4.9	5.0	23.7	23.7	23.9	11.4	11.7	11.4
Springfield	7.8	7.8	7.8	24.6	22.7	25.1	32.0	30.9	31.9
Indiana	108.6	114.5	114.7	412.0	434.7	436.2	310.7	315.5	318.7
Anderson	1.6	1.6	1.6	8.4	8.6	8.7	5.5	5.8	5.5
Eikhart-Goshen	2.3	2.4	2.4	11.5	12.0	12.1	4.6	4.7	4.5
Evansville	4.8	4.9	4.9	27.7	28.5	28.4	11.0	11.2	11.0
Fort Wayne	11.0	11.5	11.5	32.6	34.0	34.3	16.3	16.7	16.5
Gary-Hammond	7.9	8.0	8.0	42.5	43.9	43.9	30.7	31.4	27.1
Indianapolis	42.1	43.3	43.3	120.8	127.6	127.9	84.8	85.4	86.6
Lafayette	2.8	2.8	2.8	10.2	10.5	10.5	15.4	16.6	15.6
Muncie	1.6	1.6	1.6	9.5	9.6	9.7	8.6	8.5	8.2
South Bend-Mishawaka	5.2	5.4	5.4	27.0	27.7	27.8	9.8	10.3	9.9
Terre Haute	1.7	1.7	1.7	10.1	9.9	9.9	8.9	9.2	9.1
Iowa	64.0	65.5	65.8	230.4	232.2	232.8	195.1	195.4	193.5
Cedar Rapids	4.9	5.1	5.1	17.1	17.8	17.7	7.9	8.2	8.0
Des Moines	25.0	25.8	26.0	45.4	46.4	46.5	28.0	27.2	26.9
Dubuque	1.4	(²)	(²)	10.7	(²)	(²)	3.0	(²)	(²)
Iowa City	1.3	(²)	(²)	7.0	(²)	(²)	22.2	(²)	(²)
Sioux City	2.6	2.7	2.7	11.9	12.7	12.6	5.8	5.9	5.8
Waterloo-Cedar Falls	3.2	3.1	3.2	13.0	13.6	13.6	10.3	10.4	10.5
Kansas	53.4	55.4	55.3	188.0	195.3	195.8	176.0	183.1	188.5
Lawrence .....	.9	(²)	(²)	4.7	(²)	(²)	9.2	(²)	(²)
Topeka	5.8	6.1	6.1	18.0	18.4	18.5	19.9	20.0	20.8
Wichita	11.1	11.7	11.7	41.3	42.2	42.0	22.8	22.9	23.0
Kentucky	58.8	61.7	62.2	247.7	253.3	252.8	212.1	226.2	226.0
Lexington-Fayette	8.3	8.8	8.8	37.0	38.1	37.8	32.6	32.5	32.3
Louisville	27.3	29.0	29.3	92.5	96.6	97.8	59.3	62.2	59.6
Owensboro	1.2	1.4	1.4	7.1	7.2	7.3	4.5	4.4	4.5
Louisiana	86.1	85.4	85.0	320.3	313.8	310.8	314.7	306.2	304.5
Alexandria	2.5	(²)	(²)	9.6	(²)	(²)	12.6	(²)	(²)
Baton Rouge	13.9	13.9	14.0	41.4	42.1	41.7	52.7	51.8	51.4
Houma-Thibodaux	2.7	2.6	2.6	9.3	8.2	8.1	10.4	10.4	10.3
Lafayette	4.1	3.6	3.5	20.0	18.4	18.1	13.9	12.9	12.9
Lake Charles	2.7	2.7	2.5	11.3	10.1	10.0	11.0	10.9	10.8
Monroe	4.4	4.5	4.4	11.1	11.4	11.2	8.7	9.3	8.7
New Orleans	33.3	33.0	32.9	132.6	127.7	125.8	91.0	84.8	84.0
Shreveport	7.9	8.0	7.9	31.8	30.4	30.0	23.3	23.7	24.8
Maine	21.4	23.3	23.4	105.1	106.7	106.8	79.1	78.1	77.7
Lewiston-Auburn	1.9	2.0	2.1	9.0	9.1	9.1	3.4	3.5	3.5
Portland	9.7	10.8	10.8	26.8	27.3	27.6	12.6	13.2	13.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Maryland	1,900.5	1,949.3	1,942.1	1.9	1.9	1.9	135.0	143.6	144.2
Baltimore MSA	1,032.1	1,057.9	1,053.0	.2	.2	.2	85.6	71.2	71.2
Baltimore City	459.9	469.5	466.7	(¹)	(¹)	(¹)	20.4	21.0	21.1
Suburban Maryland-D.C.	661.5	680.4	677.0	.6	.7	.6	56.6	62.7	62.9
Massachusetts	2,928.3	2,959.4	2,966.4	1.4	1.4	1.4	120.7	125.0	127.7
Boston	1,627.4	1,668.4	1,667.7	.8	.8	.8	62.9	68.0	69.5
Brockton	67.3	69.7	70.4	(¹)	(¹)	(¹)	3.4	4.3	4.4
Fall River	54.4	53.5	56.7	(¹)	(¹)	(¹)	2.0	2.4	2.5
Fitchburg-Leominster	37.9	39.2	40.0	(¹)	(¹)	(¹)	2.1	2.8	2.9
Lawrence-Haverhill	159.1	161.4	161.4	(¹)	(¹)	(¹)	12.2	9.5	9.2
Lowell	101.2	105.7	105.0	(¹)	(¹)	(¹)	4.9	5.8	5.8
New Bedford	67.9	66.0	67.2	(¹)	(¹)	(¹)	2.7	2.6	2.7
Pittsfield	41.6	42.6	42.8	(¹)	(¹)	(¹)	1.8	2.0	2.0
Springfield	223.0	225.7	226.3	.1	.1	.1	8.3	9.4	9.5
Worcester	179.9	184.0	184.3	.1	.1	.1	8.6	9.5	9.9
Michigan	3,506.7	3,549.3	3,577.9	10.9	11.4	10.7	110.7	123.4	128.2
Ann Arbor	143.7	143.4	150.9	.2	(¹)	(¹)	4.3	5.9	5.8
Battle Creek	54.9	(²)	(²)	(¹)	(²)	(²)	1.8	(²)	(²)
Benton Harbor	59.6	(²)	(²)	.1	(²)	(²)	1.6	(²)	(²)
Detroit	1,747.3	1,797.8	1,811.9	.9	1.0	1.0	51.8	55.4	57.3
Flint	169.6	168.9	171.7	(¹)	(¹)	(¹)	4.2	4.6	4.6
Grand Rapids	294.1	293.3	294.1	.4	(¹)	(¹)	12.0	12.9	12.9
Jackson	48.2	(²)	(²)	.2	(²)	(²)	1.2	(²)	(²)
Kalamazoo	96.5	97.5	96.0	.1	(¹)	(¹)	3.3	3.2	3.1
Lansing-East Lansing	182.8	189.5	190.5	.6	(¹)	(¹)	5.1	7.0	7.4
Muskegon	58.6	(²)	(²)	.1	(²)	(²)	2.4	(²)	(²)
Saginaw-Bay City-Midland	146.1	145.2	147.3	.3	(¹)	(¹)	6.0	6.4	8.2
Minnesota	1,879.0	1,899.0	1,906.3	9.3	7.8	6.5	83.4	85.1	87.3
Duluth	83.7	85.0	83.2	5.5	4.2	3.2	3.4	3.6	3.8
Minneapolis-St. Paul	1,217.6	1,235.2	1,238.9	(¹)	(¹)	(¹)	53.2	53.1	54.8
Rochester	55.2	(²)	(²)	(¹)	(²)	(²)	2.1	(²)	(²)
St. Cloud	61.2	63.6	63.5	(¹)	(¹)	(¹)	3.5	3.0	3.2
Mississippi	831.6	840.7	835.0	9.0	7.1	6.9	38.3	36.5	36.8
Jackson	164.0	166.1	186.7	1.7	1.0	1.0	8.4	8.3	8.6
Missouri	2,111.2	2,153.9	2,162.9	6.6	6.0	5.8	106.0	113.7	115.7
Kansas City	702.3	704.1	709.2	.5	.5	.4	35.0	30.5	31.1
St. Joseph	36.3	(²)	(²)	(¹)	(²)	(²)	1.5	(²)	(²)
St. Louis	1,066.1	1,085.5	1,079.6	4.1	3.7	3.6	56.3	59.4	59.4
Springfield	99.4	100.1	101.5	.1	.1	.1	4.9	4.7	4.8
Montana	280.9	274.1	273.1	6.7	6.8	6.6	13.5	12.6	12.1
Nebraska	649.4	653.7	654.7	2.0	2.1	2.1	29.3	29.6	30.4
Lincoln	104.4	103.6	103.4	(¹)	(¹)	(¹)	4.3	4.0	4.1
Omaha	290.4	289.7	289.2	.3	.3	.3	14.5	14.2	14.5
Nevada	451.7	467.7	468.6	6.2	6.2	6.3	25.7	28.2	28.8
Las Vegas	254.5	264.0	264.8	.3	.2	.2	15.6	17.1	17.3
Reno	123.9	127.4	127.7	.7	.6	.7	6.5	7.1	7.3
New Hampshire	478.1	490.5	494.7	.5	.5	.5	35.2	39.1	38.7
Manchester	80.3	(²)	(²)	(¹)	(²)	(²)	5.3	(²)	(²)
Nashua	83.9	84.2	83.9	.1	.1	.1	4.0	4.0	4.0
New Jersey	3,470.5	3,563.8	3,563.6	2.1	2.5	2.5	149.0	156.2	158.0
Atlantic City	169.0	(²)	(²)	(¹)	(²)	(²)	7.5	(²)	(²)
Bergen-Passaic	635.4	651.3	650.1	.1	.4	.4	27.8	28.8	28.6
Camden	399.3	414.1	414.8	.1	.1	.1	20.1	21.8	22.4
Jersey City	234.6	235.3	236.9	(¹)	(¹)	(¹)	5.7	6.6	6.5
Middlesex-Somerset-Hunterdon	477.4	499.4	497.9	.6	.6	.8	20.7	22.2	22.5
Monmouth-Ocean	311.0	325.9	325.3	(¹)	(¹)	(¹)	18.6	20.1	20.2
Newark	943.9	949.0	942.7	.7	.7	.7	34.4	32.1	32.3
Trenton	179.4	187.4	186.9	(¹)	(¹)	(¹)	4.3	4.6	4.8
Vineland-Millville-Bridgeton	53.8	(²)	(²)	.3	(²)	(²)	1.9	(²)	(²)

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Aug. 1985	July 1986	Aug. 1986 ^a	Aug. 1985	July 1986	Aug. 1986 ^a	Aug. 1985	July 1986	Aug. 1986 ^a
Maryland	218.1	208.8	210.3	89.3	90.1	89.0	477.5	487.4	485.4
Baltimore MSA	140.3	131.0	132.1	57.8	57.3	56.1	247.0	249.5	250.4
Baltimore City	52.1	48.3	48.9	32.2	31.6	31.5	96.7	94.7	94.8
Suburban Maryland-D.C.	35.7	35.1	34.2	19.1	19.2	19.2	172.8	176.6	174.9
Massachusetts	656.2	615.8	621.3	126.4	126.9	127.2	687.1	707.3	707.7
Boston	317.4	307.1	309.1	74.2	75.9	76.0	362.8	375.3	375.5
Brockton	11.5	10.3	10.9	5.0	4.6	4.6	19.9	20.8	20.8
Fall River	18.5	17.0	19.9	1.7	1.6	1.6	13.4	13.8	14.0
Fitchburg-Leominster	13.1	12.3	13.0	1.4	1.6	1.6	9.3	9.5	9.6
Lawrence-Haverhill	55.9	54.4	55.3	6.2	6.5	6.5	32.8	35.2	35.1
Lowell	38.5	38.3	37.3	3.5	3.5	3.6	21.5	23.6	23.7
New Bedford	23.6	19.7	20.5	2.6	2.6	2.6	15.5	16.5	16.4
Pittsfield	11.9	11.4	11.4	1.1	1.1	1.0	11.0	12.0	12.1
Springfield	53.4	51.0	51.0	8.4	8.4	8.4	52.2	52.7	53.2
Worcester	45.8	43.0	43.5	8.0	7.9	7.8	43.0	45.3	45.3
Michigan	978.0	951.7	965.6	138.2	148.0	148.1	795.4	810.5	817.8
Ann Arbor	35.4	29.4	36.7	4.4	4.2	4.2	23.3	25.2	25.3
Battle Creek	15.3	(²)	(²)	1.8	(²)	(²)	9.9	(²)	(²)
Benton Harbor	20.6	(²)	(²)	2.5	(²)	(²)	12.1	(²)	(²)
Detroit	473.6	470.1	474.2	75.7	81.1	81.0	404.2	426.7	428.8
Flint	63.2	63.0	64.8	4.3	4.2	4.2	40.7	41.1	41.5
Grand Rapids	99.6	96.5	97.1	10.6	10.6	10.6	71.4	73.0	73.3
Jackson	12.8	(²)	(²)	4.3	(²)	(²)	10.2	(²)	(²)
Kalamazoo	29.2	29.7	27.9	3.1	3.0	3.0	21.0	21.5	21.7
Lansing-East Lansing	38.6	37.6	37.8	5.3	4.8	4.9	34.8	37.4	37.7
Muskegon	19.3	(²)	(²)	2.7	(²)	(²)	11.9	(²)	(²)
Saginaw-Bay City-Midland	46.7	43.0	44.0	6.9	6.5	6.7	33.0	35.0	35.7
Minnesota	382.9	372.4	377.2	98.9	98.5	97.9	475.8	477.5	479.8
Duluth	7.3	7.0	7.0	6.2	5.9	5.7	22.3	21.9	21.8
Minneapolis-St. Paul	258.4	252.9	253.3	67.7	68.7	68.4	301.1	303.8	305.4
Rochester	11.4	(²)	(²)	1.9	(²)	(²)	11.4	(²)	(²)
St. Cloud	10.6	11.5	11.5	3.5	3.8	3.8	18.6	19.9	20.0
Mississippi	222.6	220.0	221.5	39.7	40.2	40.2	179.5	183.9	184.3
Jackson	20.2	20.7	20.9	10.9	10.9	10.8	39.8	41.3	41.3
Missouri	425.8	417.8	422.6	142.8	142.7	142.6	520.7	537.4	542.0
Kansas City	117.1	115.9	118.2	52.8	52.9	53.4	187.2	191.1	192.4
St. Joseph	9.1	(²)	(²)	2.1	(²)	(²)	8.9	(²)	(²)
St. Louis	219.9	220.7	217.4	72.1	72.6	72.2	258.5	261.7	262.3
Springfield	19.5	19.5	19.9	6.3	5.8	6.1	27.7	28.1	28.5
Montana	22.5	21.4	21.4	20.8	20.7	20.6	77.8	74.7	74.8
Nebraska	88.8	87.8	89.0	44.0	42.4	42.6	166.6	167.0	167.5
Lincoln	13.2	13.1	13.1	5.9	5.8	5.8	23.6	23.4	23.4
Omaha	34.1	33.9	34.3	23.6	22.5	22.6	72.8	72.5	72.4
Nevada	22.3	22.6	22.5	25.3	26.4	26.3	92.1	95.5	95.8
Las Vegas	8.1	8.1	8.1	14.4	14.8	14.8	52.6	54.8	54.6
Reno	8.3	8.3	8.3	7.9	8.6	8.6	27.9	28.7	29.0
New Hampshire	122.9	116.0	119.7	15.6	15.5	15.5	117.9	122.3	122.6
Manchester	15.5	(²)	(²)	4.8	(²)	(²)	21.2	(²)	(²)
Nashua	37.2	36.7	36.5	2.0	2.0	2.1	17.3	17.7	17.9
New Jersey	721.2	712.3	714.6	221.3	228.2	228.5	828.4	862.1	861.2
Atlantic City	8.0	(²)	(²)	6.0	(²)	(²)	41.4	(²)	(²)
Bergen-Passaic	167.5	164.5	165.1	30.7	31.8	31.4	177.5	180.2	179.8
Camden	75.9	78.0	78.2	17.2	17.3	17.4	106.0	110.0	110.2
Jersey City	55.9	53.9	54.1	29.2	30.1	30.6	54.3	56.9	57.2
Middlesex-Somerset-Hunterdon	113.2	113.9	113.8	36.6	37.0	36.9	114.2	119.6	118.5
Monmouth-Ocean	32.3	31.7	31.7	14.0	14.9	14.9	89.4	92.9	92.9
Newark	200.4	188.2	187.5	78.1	77.8	78.0	190.6	197.7	195.8
Trenton	31.9	33.6	33.4	5.5	5.7	5.7	29.1	30.6	30.6
Vineland-Millville-Bridgeton	15.4	(²)	(²)	2.2	(²)	(²)	10.8	(²)	(²)

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Maryland	111.8	120.0	120.2	485.5	512.5	514.3	381.4	385.0	376.8
Baltimore MSA	67.8	72.1	72.4	253.6	270.3	272.7	199.8	206.3	197.9
Baltimore City	42.7	45.0	45.1	127.9	136.2	137.7	87.9	92.7	87.6
Suburban Maryland-D.C.	36.3	39.4	39.4	190.9	201.7	199.9	149.5	145.0	145.9
Massachusetts	195.3	204.9	206.4	774.3	810.8	812.5	366.9	367.3	362.2
Boston	131.0	139.6	139.7	499.2	520.6	521.4	179.3	181.1	175.7
Brockton	3.0	3.2	3.2	14.3	15.2	15.5	10.2	11.3	11.0
Fall River	2.8	2.8	2.9	10.2	10.2	10.1	5.8	5.7	5.7
Fitchburg-Leominster	1.5	1.6	1.6	7.3	7.5	7.1	3.2	3.9	4.2
Lawrence-Haverhill	5.4	5.7	5.7	30.7	32.4	32.4	15.9	17.7	17.2
Lowell	3.6	3.9	4.0	17.3	18.0	18.1	11.9	12.5	12.4
New Bedford	2.6	3.1	3.2	11.8	12.2	12.2	9.1	9.3	9.6
Pittsfield	2.1	2.1	2.2	9.6	9.6	9.7	4.1	4.3	4.3
Springfield	15.3	15.7	15.9	51.5	53.6	53.9	33.8	34.8	34.3
Worcester	11.8	12.2	12.3	41.4	43.9	44.0	21.2	22.1	21.4
Michigan	164.0	172.4	173.3	756.6	779.9	785.0	553.0	552.1	551.2
Ann Arbor	4.3	4.6	4.6	29.6	30.9	30.9	42.3	43.1	43.3
Battle Creek	4.0	(²)	(²)	10.5	(²)	(²)	11.6	(²)	(²)
Benton Harbor	2.2	(²)	(²)	12.7	(²)	(²)	7.9	(²)	(²)
Detroit	96.7	100.4	101.2	423.1	443.5	447.5	221.3	219.6	221.0
Flint	6.0	6.3	6.3	29.0	29.3	29.6	22.1	20.2	20.6
Grand Rapids	11.9	12.4	12.4	59.3	58.6	58.8	28.9	28.9	28.6
Jackson	1.6	(²)	(²)	9.2	(²)	(²)	8.8	(²)	(²)
Kalamazoo	3.9	4.2	4.2	22.0	22.7	22.8	13.9	13.1	13.2
Lansing-East Lansing	10.3	11.3	11.4	32.7	34.4	34.5	55.5	56.4	56.3
Muskegon	1.3	(²)	(²)	11.1	(²)	(²)	7.6	(²)	(²)
Saginaw-Bay City-Midland	6.1	6.1	6.0	28.2	31.2	30.2	18.9	16.8	18.4
Minnesota	113.1	116.8	116.9	439.3	452.2	455.1	276.3	288.7	285.7
Duluth	3.0	3.2	3.1	19.9	20.3	20.4	16.0	19.0	18.3
Minneapolis-St. Paul	86.2	90.4	90.4	298.9	308.0	310.0	151.3	157.3	155.6
Rochester	1.6	(²)	(²)	22.2	(²)	(²)	4.6	(²)	(²)
St. Cloud	2.2	2.3	2.3	12.5	12.5	12.5	10.1	10.3	9.9
Mississippi	36.2	37.2	37.3	128.4	136.2	132.0	178.0	179.6	176.0
Jackson	13.1	13.7	13.7	34.6	35.5	35.7	35.4	34.8	34.8
Missouri	123.2	127.6	127.5	479.8	497.3	500.3	306.3	311.5	306.4
Kansas City	52.4	53.9	53.6	158.1	157.2	158.0	99.3	102.2	102.0
St. Joseph	2.1	(²)	(²)	7.1	(²)	(²)	5.6	(²)	(²)
St. Louis	66.6	70.1	70.3	259.1	268.1	268.7	129.5	129.1	125.6
Springfield	4.6	4.7	4.7	25.4	25.5	26.3	10.9	11.6	11.2
Montana	13.4	13.3	13.2	61.5	62.5	62.6	64.8	62.1	61.8
Nebraska	45.7	47.6	47.8	143.8	145.8	146.3	129.3	131.4	128.8
Lincoln	7.7	8.0	7.9	21.0	21.4	21.5	28.7	28.0	27.5
Omaha	26.9	28.1	28.2	76.2	76.4	76.5	42.0	41.7	40.5
Nevada	22.0	23.0	23.1	200.9	207.9	208.1	57.2	57.9	57.7
Las Vegas	13.2	13.8	14.0	122.9	126.6	127.1	27.4	28.6	28.5
Reno	6.5	6.7	6.6	50.4	52.9	52.7	15.7	14.5	14.5
New Hampshire	25.8	28.4	28.5	105.7	111.4	112.3	54.5	57.3	56.9
Manchester	7.2	(²)	(²)	19.0	(²)	(²)	7.3	(²)	(²)
Nashua	2.8	2.8	2.8	15.3	15.4	15.3	5.2	5.5	5.2
New Jersey	196.2	206.3	206.4	818.9	855.3	856.5	533.3	540.9	535.9
Atlantic City	7.2	(²)	(²)	74.4	(²)	(²)	24.6	(²)	(²)
Bergen-Passaic	32.8	35.5	35.3	133.8	143.1	142.9	65.2	67.0	66.6
Camden	20.6	21.0	21.2	91.7	96.7	96.5	67.8	69.2	68.8
Jersey City	9.0	8.8	8.9	37.2	37.2	37.3	43.4	41.8	42.3
Middlesex-Somerset-Hunterdon	28.7	30.1	29.8	96.1	105.4	105.3	67.3	70.6	70.5
Monmouth-Ocean	15.0	16.0	16.0	84.8	92.1	91.2	56.8	58.1	58.3
Newark	69.9	73.6	74.0	230.6	238.9	238.3	139.2	140.0	136.1
Trenton	9.0	9.3	9.2	47.3	49.7	49.5	52.2	53.9	53.7
Vineland-Milville-Bridgeton	2.7	(²)	(²)	9.4	(²)	(²)	11.2	(²)	(²)

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
New Mexico	516.4	520.2	521.4	19.8	15.1	14.9	38.5	38.2	38.6
Albuquerque	220.1	224.1	225.2	.3	.3	.3	18.9	18.5	18.7
Las Cruces	34.0	37.8	38.7	(¹)	(¹)	(¹)	2.5	2.9	2.9
Santa Fe	52.7	52.3	52.7	.1	.1	.1	3.8	3.5	3.6
New York	7,799.1	7,927.9	7,912.7	6.9	6.7	6.6	309.7	332.4	338.0
Albany-Schenectady-Troy	385.4	390.7	391.3	.3	.3	.3	17.6	18.3	18.5
Binghamton	118.3	116.3	116.1	(¹)	(¹)	(¹)	5.6	5.8	5.8
Buffalo	416.9	420.9	421.3	.6	.5	.5	18.8	18.7	19.1
Elmira	34.9	36.4	36.2	(¹)	(¹)	(¹)	1.4	1.7	1.7
Glens Falls	45.7	46.6	46.3	(¹)	(¹)	(¹)	2.0	2.1	2.0
Monroe County	364.7	(²)	(²)	.4	(²)	(²)	13.5	(²)	(²)
Nassau-Suffolk	1,077.2	1,112.4	1,106.3	.3	.3	.3	54.3	57.0	57.4
New York PMSA	4,001.6	4,060.8	4,045.6	1.8	1.7	1.7	137.4	146.3	147.6
New York City	3,494.7	3,544.7	3,536.6	1.3	1.2	1.2	108.4	115.6	116.7
Niagara Falls	80.4	78.8	79.4	(¹)	(¹)	(¹)	3.7	3.3	3.4
Orange County	93.0	95.5	95.7	(¹)	(¹)	(¹)	4.0	4.4	4.3
Poughkeepsie	116.1	116.7	116.3	.2	.2	.2	5.9	6.3	6.3
Rochester	450.2	450.0	451.6	.8	.7	.7	16.8	18.1	18.9
Rockland County	94.6	94.2	93.8	(²)	(²)	(²)	4.2	4.5	4.6
Syracuse	286.4	288.0	287.4	.4	.2	.2	17.3	16.3	16.6
Utica-Rome	120.0	119.1	119.6	.1	.2	.2	4.3	4.6	4.7
Westchester County	395.5	404.7	397.6	.3	.3	.3	23.6	24.7	24.7
North Carolina	2,623.3	2,681.9	2,697.3	4.9	4.7	4.7	154.2	165.9	166.4
Asheville	76.9	77.0	77.0	.1	.1	.1	3.7	3.7	3.7
Charlotte-Gastonia-Rock Hill	513.3	521.4	524.8	.3	.3	.3	30.3	31.2	31.4
Greensboro-Winston-Salem-High Point	431.4	438.0	439.7	.4	.4	.4	23.3	24.5	24.5
Raleigh-Durham	349.7	354.1	355.8	.3	.3	.3	24.4	24.9	25.0
North Dakota	252.3	249.5	248.6	7.1	4.6	4.7	14.6	13.0	13.3
Bismarck	36.3	35.7	36.4	.2	.2	.2	1.9	1.6	1.7
Fargo-Moorhead	64.9	65.8	65.7	(¹)	(¹)	(¹)	4.1	3.7	3.9
Grand Forks	27.5	28.3	27.8	(¹)	(¹)	(¹)	1.8	2.0	2.0
Ohio	4,385.8	4,515.6	4,523.9	26.5	25.1	24.7	172.1	178.2	182.1
Akron	256.5	265.1	264.9	.8	.7	.7	9.5	10.6	10.9
Canton	153.0	(²)	(²)	1.2	(²)	(²)	6.1	(²)	(²)
Cincinnati	631.4	655.7	659.0	.4	.5	.5	25.4	26.2	26.9
Cleveland	875.7	895.0	894.4	1.0	1.1	1.1	30.3	31.2	31.6
Columbus	606.5	640.3	642.6	1.0	1.0	1.0	23.7	26.0	26.9
Dayton-Springfield	406.5	418.0	420.3	.4	.4	.4	15.1	16.8	17.4
Toledo	262.9	268.1	270.7	.2	.2	.2	9.3	10.1	10.4
Youngstown-Warren	181.3	(²)	(²)	.8	(²)	(²)	7.6	(²)	(²)
Oklahoma	1,173.2	1,149.5	1,139.3	65.9	53.8	53.7	49.0	46.3	45.1
Enid	24.3	(²)	(²)	1.7	(²)	(²)	1.0	(²)	(²)
Lawton	32.9	32.8	32.1	.3	.2	.2	1.4	1.4	1.4
Oklahoma City	425.4	409.1	403.8	17.4	13.5	13.4	17.9	16.1	16.4
Tulsa	302.1	302.2	301.4	20.2	19.2	19.0	14.3	13.4	13.2
Oregon	1,034.7	1,046.4	1,059.4	1.9	1.8	1.9	36.0	35.2	36.1
Eugene-Springfield	95.4	96.5	97.7	.3	.2	.3	3.7	3.6	3.8
Portland	516.3	524.2	524.8	.6	.6	.6	18.3	18.0	18.3
Salem	93.2	90.9	95.6	.1	.1	.1	3.3	3.4	3.5
Pennsylvania	4,756.4	4,808.8	4,833.3	35.6	35.2	35.4	210.9	221.3	224.2
Allentown-Bethlehem	264.0	262.0	263.5	.5	.5	.5	10.4	11.7	12.0
Altoona	50.4	51.1	51.5	(²)	(²)	(²)	2.9	2.9	2.9
Beaver County	53.7	52.4	52.1	(²)	(²)	(²)	3.9	4.6	4.5
Delaware Valley	1,653.1	1,665.0	1,682.6	1.1	1.1	1.1	69.3	73.3	74.7
Erie	110.1	109.8	109.7	.2	.3	.3	3.5	3.9	4.1
Harrisburg-Lebanon-Carlisle	279.4	284.5	285.1	.4	.4	.4	11.3	10.7	10.8
Johnstown	77.7	77.8	78.2	4.7	3.4	3.4	3.1	3.4	3.5
Lancaster	166.2	172.7	174.5	.4	.4	.4	9.2	10.0	10.0
Philadelphia PMSA	2,050.1	2,077.1	2,097.2	1.1	1.2	1.2	89.4	95.1	97.1
Philadelphia City	758.4	746.9	765.8	(²)	(²)	(²)	18.9	20.3	20.5
Pittsburgh	852.7	866.2	861.4	7.1	7.3	7.3	44.9	45.7	47.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
New Mexico	38.0	37.3	38.1	29.1	27.1	27.1	125.8	128.7	130.0
Albuquerque	19.4	19.5	19.5	11.8	11.8	11.8	57.0	58.2	58.6
Las Cruces	3.5	3.1	3.5	1.3	1.3	1.3	7.4	8.1	8.2
Santa Fe	1.5	1.5	1.7	1.1	1.1	1.1	10.4	10.3	10.3
New York	1,298.6	1,242.3	1,253.9	409.3	405.8	377.9	1,639.8	1,673.3	1,674.6
Albany-Schenectady-Troy	51.8	49.4	49.1	16.3	16.2	15.1	81.9	83.5	84.1
Binghamton	40.3	37.0	37.0	4.2	4.1	4.0	24.0	24.5	24.5
Buffalo	78.2	75.3	76.1	21.1	21.3	20.1	101.7	105.3	106.0
Elmira	6.9	7.1	7.0	1.3	1.3	1.1	9.9	10.2	10.2
Glens Falls	9.9	9.9	9.8	1.4	1.4	1.3	11.1	11.3	11.4
Monroe County	128.0	(²)	(²)	10.8	(²)	(²)	73.6	(²)	(²)
Nassau-Suffolk	181.5	180.6	181.5	43.9	45.1	41.0	291.5	300.6	301.2
New York PMSA	494.3	472.6	477.5	254.6	250.9	233.0	753.8	766.5	762.6
New York City	407.7	386.4	394.5	230.2	226.7	211.3	634.1	644.5	640.9
Niagara Falls	24.5	23.4	23.7	3.8	3.8	3.7	18.3	18.3	18.4
Orange County	14.9	15.2	15.4	5.4	5.2	5.2	24.4	25.4	25.6
Poughkeepsie	34.9	33.1	33.0	3.2	3.2	2.8	20.4	20.8	20.9
Rochester	149.7	137.7	139.0	13.4	13.4	13.4	93.1	96.3	96.4
Rockland County	15.7	15.5	15.4	3.8	3.9	3.7	21.9	22.0	21.9
Syracuse	57.5	54.7	54.4	16.1	16.7	16.0	66.2	67.8	68.3
Utica-Rome	26.2	24.7	25.2	4.6	4.5	4.2	25.5	25.7	25.8
Westchester County	69.1	68.9	65.8	20.0	19.7	17.5	93.8	95.9	95.7
North Carolina	828.0	820.6	828.6	129.9	133.6	134.1	581.8	601.7	603.8
Asheville	21.0	20.4	20.5	3.6	3.7	3.8	17.3	17.4	17.3
Charlotte-Gastonia-Rock Hill	147.0	144.9	146.4	44.7	46.6	46.7	123.4	125.2	126.2
Greensboro-Winston-Salem-High Point	154.2	150.7	151.9	24.5	25.1	25.0	93.4	96.3	96.5
Raleigh-Durham	59.8	57.5	57.4	16.9	17.5	17.5	73.0	76.0	76.2
North Dakota	15.4	15.6	15.3	16.4	15.6	15.6	68.7	68.0	68.3
Bismarck	2.1	2.0	2.0	2.9	2.7	2.7	10.0	9.7	9.9
Fargo-Moorhead	4.9	4.6	4.7	3.9	3.8	3.8	20.2	20.5	20.6
Grand Forks	1.2	1.7	1.3	1.5	1.4	1.4	8.0	7.9	8.0
Ohio	1,118.4	1,096.8	1,097.2	203.2	204.4	206.1	1,051.8	1,099.7	1,106.3
Akron	66.9	65.6	65.4	12.8	13.2	13.3	63.2	66.3	66.6
Canton	46.3	(²)	(²)	6.0	(²)	(²)	37.3	(²)	(²)
Cincinnati	148.1	147.7	149.2	33.7	34.5	34.6	160.8	169.2	170.2
Cleveland	209.0	203.1	203.0	41.5	41.9	42.3	210.8	215.9	216.9
Columbus	105.9	104.8	104.9	25.8	26.4	26.5	155.0	164.3	165.7
Dayton-Springfield	106.4	104.1	104.4	14.6	15.3	15.6	91.2	95.8	96.4
Toledo	66.8	62.0	63.2	13.9	13.2	14.2	65.7	68.4	68.7
Youngstown-Warren	49.4	(²)	(²)	7.1	(²)	(²)	46.5	(²)	(²)
Oklahoma	172.7	161.7	155.7	64.9	63.5	63.6	290.8	288.8	289.5
Enid	2.0	(²)	(²)	2.5	(²)	(²)	7.0	(²)	(²)
Lawton	3.4	3.5	3.5	1.3	1.3	1.2	9.1	8.8	8.8
Oklahoma City	52.8	49.8	45.3	21.9	20.8	20.4	109.8	103.2	103.7
Tulsa	53.5	52.0	51.8	21.3	21.8	22.2	73.6	74.8	74.7
Oregon	210.6	199.9	209.6	58.7	58.5	58.4	263.4	265.7	267.7
Eugene-Springfield	18.9	17.3	19.0	4.3	3.9	3.9	24.7	25.3	25.2
Portland	94.4	92.2	92.6	34.5	34.8	34.5	138.8	140.3	141.4
Salem	18.2	13.9	17.6	2.6	2.5	2.5	20.5	21.6	21.7
Pennsylvania	1,088.6	1,044.5	1,045.0	235.7	234.1	234.3	1,077.2	1,113.4	1,120.3
Allentown-Bethlehem	88.1	78.0	78.8	14.1	14.4	14.3	55.3	58.3	58.6
Altoona	11.2	11.3	11.4	4.7	4.5	4.5	12.8	13.4	13.5
Beaver County	14.0	11.4	11.5	4.9	4.9	4.9	11.8	11.7	11.8
Delaware Valley	319.7	313.9	309.0	77.2	77.9	78.6	364.8	379.3	381.2
Erie	35.9	33.5	33.4	4.4	4.3	4.3	23.9	24.4	24.5
Harrisburg-Lebanon-Carlisle	52.3	50.2	50.7	17.7	18.0	18.3	61.7	64.6	64.7
Johnstown	12.6	12.4	12.6	4.7	4.7	4.7	16.7	17.4	17.5
Lancaster	58.2	59.5	60.2	6.7	6.7	6.8	40.7	42.8	43.2
Philadelphia PMSA	395.5	391.3	387.4	94.4	95.1	96.0	470.8	489.3	491.4
Philadelphia City	102.7	100.9	100.1	44.8	45.3	45.7	144.6	146.4	147.4
Pittsburgh	137.8	129.4	127.9	45.2	44.4	44.2	215.6	220.3	219.6

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Aug. 1985	July 1986	Aug. 1986 ^a	Aug. 1985	July 1986	Aug. 1986 ^a	Aug. 1985	July 1986	Aug. 1986 ^a
New Mexico	28.1	26.4	26.5	116.1	119.7	119.9	123.0	127.7	126.3
Albuquerque	13.5	13.6	13.7	57.7	59.5	59.5	41.5	42.7	43.1
Las Cruces	1.6	1.7	1.7	5.1	5.5	5.6	12.6	15.2	15.5
Santa Fe	2.0	2.0	2.1	13.7	13.6	13.7	20.1	20.2	20.1
New York	729.8	751.6	753.7	2,073.7	2,142.9	2,147.4	1,331.4	1,373.0	1,360.6
Albany-Schenectady-Troy	20.0	21.0	21.0	94.8	95.7	97.3	102.9	106.1	105.8
Binghamton	3.9	3.9	3.9	21.8	21.9	21.9	18.4	19.1	18.9
Buffalo	23.0	23.5	23.5	101.3	104.5	104.8	72.2	71.8	71.2
Elmira	1.2	1.2	1.2	8.4	8.6	8.6	5.9	6.2	6.2
Glens Falls	1.9	1.9	1.9	11.2	11.4	11.3	8.0	8.4	8.3
Monroe County	18.1	(^a)	(^a)	84.0	(^a)	(^a)	36.2	(^a)	(^a)
Nassau-Suffolk	66.3	69.4	69.7	273.9	284.5	283.4	165.5	175.0	171.9
New York PMSA	540.2	555.1	556.3	1,175.2	1,212.8	1,213.0	644.4	654.9	654.0
New York City	511.4	524.9	526.1	1,035.8	1,070.6	1,070.9	565.7	574.7	575.0
Niagara Falls	1.9	2.0	2.0	15.1	15.4	15.6	12.8	12.6	12.5
Orange County	3.7	3.6	3.6	20.7	20.8	20.9	19.9	20.9	20.6
Poughkeepsie	3.7	4.0	4.0	24.4	25.1	25.1	23.4	24.0	24.0
Rochester	20.1	21.0	21.1	98.9	103.1	103.3	57.4	59.7	58.9
Rockland County	3.8	4.0	4.0	24.1	24.1	24.1	21.1	20.2	20.2
Syracuse	19.0	19.3	19.2	63.4	65.3	65.8	46.5	47.8	46.9
Utica-Rome	6.3	6.4	6.4	23.6	23.6	23.8	29.4	29.2	29.3
Westchester County	24.5	25.7	25.7	110.4	113.4	112.9	54.0	56.2	55.1
North Carolina	110.3	117.5	117.7	434.7	457.1	457.3	379.5	380.8	384.6
Asheville	2.6	2.6	2.7	17.7	18.3	18.2	11.0	10.7	10.8
Charlotte-Gastonia-Rock Hill	28.8	30.3	30.2	87.9	91.5	92.3	50.9	51.4	51.4
Greensboro-Winston-Salem-High Point	20.8	21.9	21.9	72.7	74.7	75.0	42.0	44.5	44.5
Raleigh-Durham	19.1	20.6	20.9	78.9	81.9	81.9	77.2	75.3	76.5
North Dakota	12.7	12.7	12.7	58.3	59.8	59.9	59.1	60.2	58.8
Bismarck	1.7	1.7	1.7	9.7	9.9	10.2	7.8	7.9	8.0
Fargo-Moorhead	4.3	4.5	4.5	16.7	17.4	17.3	10.8	11.3	10.9
Grand Forks	1.1	1.1	1.1	6.0	6.3	6.3	7.8	7.9	7.7
Ohio	221.4	232.5	232.7	988.2	1,038.1	1,040.3	624.1	640.9	634.5
Akron	9.7	10.3	10.3	56.8	60.6	60.6	36.9	37.7	37.1
Canton	6.3	(^a)	(^a)	33.3	(^a)	(^a)	16.6	(^a)	(^a)
Cincinnati	35.8	37.9	38.1	151.4	161.6	162.3	75.7	78.0	77.3
Cleveland	50.2	52.6	52.9	216.3	228.4	228.3	116.7	120.8	118.3
Columbus	50.0	53.2	52.9	140.5	156.1	156.4	104.6	108.6	108.4
Dayton-Springfield	17.1	17.6	17.6	94.2	100.9	101.5	67.4	67.0	67.1
Toledo	10.4	11.6	11.6	61.7	66.3	66.3	34.9	36.3	35.9
Youngstown-Warren	7.5	(^a)	(^a)	41.7	(^a)	(^a)	20.8	(^a)	(^a)
Oklahoma	65.1	64.3	64.3	226.1	231.9	231.0	238.7	239.2	236.4
Enid	1.3	(^a)	(^a)	5.3	(^a)	(^a)	3.5	(^a)	(^a)
Lawton	1.6	1.5	1.5	5.4	5.4	5.4	10.4	10.7	10.1
Oklahoma City	27.7	26.9	26.8	85.7	84.9	84.7	92.2	93.9	93.1
Tulsa	17.5	17.0	16.9	69.7	70.0	70.4	32.0	34.0	33.2
Oregon	68.6	71.3	71.4	216.3	230.4	230.3	179.2	183.6	184.0
Eugene-Springfield	4.7	4.8	4.9	20.9	22.3	22.3	17.9	19.1	18.3
Portland	43.1	44.2	44.3	118.2	124.3	123.8	68.4	69.8	69.3
Salem	5.1	5.3	5.3	16.9	17.7	17.9	26.5	28.4	27.0
Pennsylvania	267.9	277.9	277.8	1,180.8	1,242.7	1,241.0	659.7	639.7	655.3
Allentown-Bethlehem	10.3	10.6	10.6	58.3	61.0	61.4	27.0	27.5	27.3
Altoona	1.5	1.5	1.6	9.8	10.5	10.5	7.5	7.0	7.1
Beaver County	1.8	1.9	1.9	10.4	10.9	10.8	6.9	7.0	6.7
Delaware Valley	123.2	127.0	126.8	471.8	487.9	488.4	226.0	204.6	222.8
Erie	5.0	5.2	5.2	25.1	26.4	26.4	12.1	11.8	11.5
Harrisburg-Lebanon-Carlisle	15.5	16.2	16.2	57.7	61.4	61.2	62.8	63.0	62.8
Johnstown	4.5	4.7	4.6	18.5	19.0	19.0	12.9	12.8	12.9
Lancaster	6.2	6.6	6.7	32.0	33.6	33.8	12.8	13.1	13.4
Philadelphia PMSA	143.8	147.9	148.0	561.3	584.6	584.9	293.8	272.6	291.2
Philadelphia City	66.6	66.8	68.9	232.5	240.4	240.1	148.3	124.8	143.1
Pittsburgh	50.6	52.5	52.6	245.1	255.9	254.7	106.4	110.7	108.1

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Pennsylvania—Continued									
Reading	140.7	142.1	143.6	(²)	(²)	(²)	6.3	6.6	6.8
Scranton-Wilkes-Barre	278.6	283.4	284.6	0.8	0.8	0.8	12.0	12.6	12.5
Sharon	39.9	40.1	40.3	.2	.2	.2	1.3	1.7	1.7
State College	48.2	48.2	49.4	.3	.3	.3	2.0	2.2	2.1
Williamsport	45.8	47.7	47.9	(²)	(²)	(²)	1.9	2.1	2.2
York	161.8	163.1	163.6	.4	.4	.4	9.2	9.3	9.4
Rhode Island									
Pawtucket-Woonsocket-Attleboro	426.1	424.7	430.6	.2	.2	.2	16.4	16.4	16.7
Providence	128.0	126.1	129.5	.1	.1	.1	4.7	4.7	4.8
Providence	299.3	301.4	304.7	.1	.1	.1	11.4	12.1	12.3
South Carolina									
Charleston	1,301.1	1,339.0	1,345.8	1.8	1.8	1.8	87.4	91.1	91.0
Charleston	175.1	180.3	180.7	(¹)	(¹)	(¹)	13.9	13.7	13.9
Columbia	207.2	209.0	210.4	(¹)	(¹)	(¹)	13.2	13.8	14.1
Greenville-Spartanburg	283.4	286.5	288.5	(¹)	(¹)	(¹)	20.7	20.7	20.7
South Dakota									
Rapid City	250.4	251.5	252.0	2.5	2.5	2.4	11.3	10.9	10.9
Rapid City	34.3	34.4	34.5	.3	.3	.3	2.1	1.9	1.9
Sioux Falls	63.7	63.0	63.4	(¹)	(¹)	(¹)	3.7	3.7	3.7
Tennessee									
Chattanooga	1,875.1	1,929.3	1,943.8	7.5	6.9	6.9	86.8	88.0	89.4
Chattanooga	173.4	178.8	176.2	1.0	1.0	1.1	6.5	7.5	7.2
Johnson City-Kingsport-Bristol	150.0	150.7	151.5	.1	.1	.1	6.7	5.5	5.6
Knoxville	229.0	232.6	232.5	1.8	1.6	1.6	11.2	11.8	11.7
Memphis	385.8	387.1	387.9	.1	.1	.1	18.0	18.1	18.2
Nashville	425.3	428.6	428.6	.7	.7	.7	26.7	28.7	29.5
Texas									
Abilene	6,677.0	6,664.5	6,653.4	259.4	202.6	198.3	460.4	434.3	433.5
Abilene	52.4	51.7	51.6	4.0	3.4	3.4	2.9	2.9	2.9
Amarillo	81.5	80.5	80.6	1.9	1.4	1.4	4.9	4.0	4.1
Austin	355.7	360.9	359.1	1.1	1.1	1.1	28.4	26.0	25.5
Beaumont-Port Arthur	135.2	128.1	127.2	2.4	1.3	1.2	9.8	8.3	8.4
Brazoria	58.1	56.9	56.4	1.8	1.6	1.3	6.1	5.7	5.7
Brownsville-Harlingen	64.5	65.2	65.2	.1	.1	.1	3.4	3.2	3.2
Bryan-College Station	47.0	(²)	(²)	1.3	(²)	(²)	2.8	(²)	(²)
Corpus Christi	134.9	134.1	132.5	7.9	6.2	6.1	11.4	11.5	11.1
Dallas	1,313.1	1,348.5	1,344.7	24.2	21.9	21.5	88.4	80.6	79.3
El Paso	177.6	175.2	175.6	.4	.3	.3	9.4	9.5	9.5
Ft. Worth-Arlington	505.3	508.8	510.7	4.4	3.5	3.5	35.0	33.9	34.2
Galveston-Texas City	72.0	71.8	71.8	.8	.4	.4	3.6	2.9	2.8
Houston	1,488.9	1,466.6	1,462.4	92.4	80.9	79.5	108.9	98.4	98.6
Killeen-Temple	67.0	68.7	68.2	.1	.1	.1	4.4	4.1	3.9
Laredo	34.3	(²)	(²)	2.0	(²)	(²)	1.5	(²)	(²)
Longview-Marshall	68.6	66.8	66.8	4.6	4.1	4.1	3.7	3.1	3.1
Lubbock	91.2	89.7	90.1	.5	.4	.4	5.1	4.3	4.4
McAllen-Edinburg-Mission	80.1	82.2	82.3	1.7	1.3	1.4	4.7	4.6	4.7
Midland	49.3	48.3	46.1	11.5	9.1	9.1	2.4	2.3	2.3
Odessa	52.5	46.7	46.2	9.0	6.9	6.8	3.5	2.4	2.3
San Angelo	37.3	(²)	(²)	.9	(²)	(²)	2.3	(²)	(²)
San Antonio	480.7	483.4	482.9	3.3	2.7	2.7	38.1	35.4	35.2
Sherman-Denison	36.7	(²)	(²)	.3	(²)	(²)	1.7	(²)	(²)
Texarkana	45.8	(²)	(²)	.1	(²)	(²)	2.4	(²)	(²)
Tyler	62.0	63.3	63.8	2.8	2.0	2.2	3.0	2.9	2.7
Victoria	29.8	(²)	(²)	3.1	(²)	(²)	2.5	(²)	(²)
Waco	76.7	76.7	76.5	.2	.2	.2	4.5	4.8	4.7
Wichita Falls	51.4	(²)	(²)	3.0	(²)	(²)	2.2	(²)	(²)
Utah									
Provo-Orem	626.9	632.7	632.7	9.1	7.8	7.6	39.2	36.2	36.9
Provo-Orem	68.3	70.1	68.7	.1	.1	.1	3.9	3.7	3.8
Salt Lake City-Ogden	437.7	445.9	447.1	2.2	1.8	1.8	26.3	26.0	26.3
Vermont									
Burlington	223.9	223.0	224.6	.6	.8	.8	17.1	14.1	14.3
Burlington	67.3	67.1	67.2	(¹)	(¹)	(¹)	4.7	3.8	3.8
Springfield	13.5	13.6	13.7	(¹)	(¹)	(¹)	1.3	1.3	1.2

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Pennsylvania-Continued									
Reading	49.7	47.2	48.2	5.8	6.1	6.2	30.2	30.9	31.3
Scranton-Wilkes-Barre	74.1	71.9	73.0	14.4	14.7	14.8	60.8	61.9	61.9
Sharon	10.2	9.8	9.8	2.0	1.7	1.7	10.1	10.5	10.6
State College	7.9	7.7	7.6	1.2	1.2	1.2	9.1	9.0	9.1
Williamsport	15.0	15.1	15.2	1.9	1.9	1.9	10.3	10.8	10.9
York	58.5	57.6	57.2	6.8	6.9	6.9	38.2	38.7	38.9
Rhode Island									
Pawtucket-Woonsocket-Attleboro	119.8	115.5	120.4	13.6	14.2	14.3	95.1	95.8	96.0
Providence	55.1	52.6	55.7	3.4	3.5	3.5	29.2	29.7	29.7
	76.4	74.3	77.0	10.3	10.8	10.9	65.3	67.1	67.2
South Carolina									
Charleston	363.0	359.1	362.5	57.0	57.3	57.1	289.6	301.4	303.3
Columbia	20.0	20.0	20.1	9.3	9.5	9.5	42.8	42.8	42.9
Greenville-Spartanburg	28.0	27.6	27.8	9.6	9.4	9.4	45.4	46.7	47.0
	96.9	95.4	96.1	10.2	10.4	10.4	64.6	66.9	67.4
South Dakota									
Rapid City	28.1	28.9	29.5	12.6	12.3	12.3	67.9	67.4	68.1
Sioux Falls	3.9	4.0	4.0	1.8	1.7	1.7	10.0	10.3	10.3
	8.9	8.3	8.5	4.7	4.5	4.5	17.0	16.5	16.7
Tennessee									
Chattanooga	488.8	484.9	489.0	92.0	92.3	92.6	445.2	469.5	472.6
Johnson City-Kingsport-Bristol	43.3	43.0	44.0	8.2	8.0	8.0	39.9	38.9	38.0
Knoxville	51.8	51.6	51.2	5.6	5.6	5.6	32.8	33.9	33.9
Memphis	49.3	47.2	47.6	8.8	8.8	8.8	56.7	56.5	56.3
Nashville	52.5	51.5	51.3	32.5	33.6	33.7	108.1	107.7	108.4
	90.4	90.0	90.3	22.0	20.0	19.9	102.5	105.1	104.9
Texas									
Abilene	1,009.1	967.5	969.6	384.6	377.2	376.1	1,713.9	1,721.0	1,723.1
Amarillo	5.3	5.0	5.0	2.9	2.7	2.7	14.3	14.5	14.4
Austin	10.3	10.1	10.1	6.4	6.1	6.0	24.3	24.8	24.7
Beaumont-Port Arthur	42.8	41.1	40.8	10.7	11.6	11.6	80.9	82.6	82.6
Brazoria	26.7	25.2	25.2	10.3	9.6	9.6	33.5	32.5	32.0
Brownsville-Harlingen	16.5	15.5	15.5	2.2	2.1	2.0	11.6	11.4	11.3
Bryan-College Station	9.8	9.2	9.1	3.5	3.4	3.6	18.3	18.5	18.6
Corpus Christi	3.7	(²)	(²)	1.6	(²)	(²)	10.9	(²)	(²)
Dallas	12.9	12.4	12.3	7.8	8.0	7.6	34.6	34.2	34.3
El Paso	233.9	235.7	234.8	84.4	86.4	86.5	349.7	359.9	360.0
Ft. Worth-Arlington	38.1	34.0	34.4	9.6	9.2	9.2	44.4	46.0	45.9
Galveston-Texas City	114.4	114.5	115.0	26.4	28.0	28.2	137.5	137.1	137.9
Houston	10.5	9.7	9.7	5.7	5.6	5.6	14.5	14.4	14.6
Killeen-Temple	174.2	160.1	160.0	101.0	98.6	97.7	381.3	370.4	371.1
Laredo	8.8	8.9	8.9	2.9	2.9	2.9	16.3	16.5	16.6
Longview-Marshall	1.8	(²)	(²)	3.8	(²)	(²)	10.5	(²)	(²)
Lubbock	16.2	15.5	15.5	3.6	3.6	3.5	17.8	17.7	17.7
McAllen-Edinburg-Mission	8.0	7.2	7.2	4.5	4.4	4.4	27.2	27.3	27.2
Midland	11.1	12.0	11.7	2.6	2.6	2.6	24.6	25.2	25.2
Odessa	3.8	3.6	3.6	2.4	2.3	2.2	11.2	10.8	10.8
San Angelo	5.1	4.4	4.3	2.7	2.3	2.3	14.8	13.5	13.6
San Antonio	5.5	(²)	(²)	3.1	(²)	(²)	9.6	(²)	(²)
Sherman-Denison	51.4	48.5	48.7	19.3	18.5	18.6	126.0	127.4	127.6
Texarkana	11.7	(²)	(²)	2.0	(²)	(²)	8.1	(²)	(²)
Tyler	7.7	(²)	(²)	2.0	(²)	(²)	11.0	(²)	(²)
Victoria	11.0	10.9	11.3	3.1	3.0	3.0	17.1	18.2	18.4
Waco	3.3	(²)	(²)	1.6	(²)	(²)	8.2	(²)	(²)
Wichita Falls	16.8	15.5	15.5	3.6	3.6	3.6	19.0	18.8	18.9
	8.5	(²)	(²)	2.8	(²)	(²)	12.9	(²)	(²)
Utah									
Provo-Orem	94.4	92.5	91.2	37.5	38.0	37.9	149.5	152.6	153.4
Salt Lake City-Ogden	11.4	11.6	10.0	2.4	2.2	2.2	14.5	15.2	15.3
	63.6	62.4	62.6	29.1	28.9	28.9	109.4	111.0	111.5
Vermont									
Burlington	50.0	48.0	49.8	9.4	9.7	9.7	51.0	52.2	51.8
Springfield	16.9	16.5	16.6	2.8	2.8	2.8	15.7	16.2	16.2
	3.7	3.5	3.8	.6	.6	.6	2.5	2.9	2.7

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Aug. 1985	July 1986	Aug. 1986 ^a	Aug. 1985	July 1986	Aug. 1986 ^a	Aug. 1985	July 1986	Aug. 1986 ^a
Pennsylvania-Continued									
Reading	7.2	8.0	8.0	27.1	28.7	28.5	14.4	14.6	14.6
Scranton-Wilkes-Barre	11.7	12.3	12.4	65.3	69.9	70.1	39.5	39.3	39.1
Sharon	1.3	1.3	1.3	10.0	10.2	10.3	4.8	4.7	4.7
State College	1.5	1.5	1.5	8.5	8.9	9.0	17.7	17.4	18.6
Williamsport	2.3	2.3	2.3	8.8	9.5	9.4	5.6	6.0	6.0
York	4.7	5.0	5.0	27.2	28.8	29.0	16.8	16.4	16.8
Rhode Island									
Pawtucket-Woonsocket-Attleboro	23.7	23.7	23.9	101.6	102.8	103.1	55.7	56.1	56.0
Providence	3.6	3.5	3.6	22.6	22.5	22.6	9.3	9.5	9.5
Providence	19.9	19.9	20.0	73.9	75.5	75.7	42.0	41.6	41.5
South Carolina									
Charleston	58.8	60.0	60.5	215.3	229.1	228.9	228.2	239.2	240.7
Columbia	8.3	8.6	8.6	33.1	36.8	36.8	47.6	48.8	48.8
Columbia	17.2	18.2	18.5	37.9	38.5	38.5	55.6	54.5	54.8
Greenville-Spartanburg	11.2	11.3	11.1	46.8	48.1	48.1	32.7	33.3	34.3
South Dakota									
Rapid City	14.1	14.2	14.2	59.9	60.7	60.8	54.1	54.7	53.6
Rapid City	1.7	1.7	1.7	8.7	8.8	8.7	5.7	5.7	5.8
Sioux Falls	5.9	5.8	5.9	16.7	17.6	17.8	6.9	6.6	6.3
Tennessee									
Chattanooga	91.4	92.2	92.3	366.8	395.7	400.7	296.6	299.8	300.3
Johnson City-Kingsport-Bristol	10.7	11.4	11.4	36.1	39.7	38.7	27.7	29.3	27.8
Knoxville	4.7	4.8	4.7	23.8	24.5	24.7	24.5	24.7	25.7
Knoxville	9.0	8.2	8.2	49.1	52.3	52.3	43.1	46.2	45.9
Memphis	22.7	23.2	23.0	88.3	88.1	88.4	63.6	64.8	64.8
Nashville	30.1	30.2	30.1	92.8	93.3	93.3	60.0	60.6	59.9
Texas									
Abilene	443.8	457.2	458.1	1,359.2	1,390.8	1,388.0	1,046.6	1,113.9	1,106.7
Abilene	2.8	2.8	2.8	12.7	12.9	13.0	7.5	7.5	7.4
Amarillo	4.6	4.4	4.4	16.5	16.6	16.7	12.6	13.1	13.2
Austin	24.9	25.7	25.6	81.6	85.1	85.3	85.3	87.7	86.6
Beaumont-Port Arthur	5.7	5.3	5.3	28.3	27.3	27.1	18.5	18.6	18.4
Brazoria	2.3	2.3	2.3	8.1	8.3	8.3	9.5	10.0	10.0
Brownsville-Harlingen	3.6	3.6	3.6	12.9	13.9	13.8	12.9	13.3	13.2
Bryan-College Station	2.1	(^a)	(^a)	7.6	(^a)	(^a)	17.0	(^a)	(^a)
Corpus Christi	7.0	6.9	6.8	27.2	27.9	27.4	26.1	27.0	26.9
Dallas	127.5	134.0	134.3	277.6	295.4	294.2	127.4	134.6	134.1
El Paso	9.2	9.5	9.5	33.0	34.0	34.1	33.5	32.7	32.7
Ft. Worth-Arlington	28.1	28.3	28.5	102.7	106.6	106.5	56.8	56.9	56.9
Gaiveston-Texas City	4.7	4.7	4.7	13.4	13.7	13.6	18.8	20.4	20.4
Houston	111.6	115.5	116.0	347.2	358.3	356.8	172.3	184.4	182.7
Killeen-Temple	3.0	3.0	3.0	12.5	13.6	13.4	19.0	19.6	19.4
Laredo	1.5	(^a)	(^a)	5.7	(^a)	(^a)	7.5	(^a)	(^a)
Longview-Marshall	3.4	3.6	3.6	11.8	11.6	11.7	7.5	7.6	7.6
Lubbock	5.4	5.5	5.4	19.9	20.0	20.4	20.6	20.6	20.7
McAllen-Edinburg-Mission	3.9	3.9	3.9	12.8	13.4	13.4	18.7	19.2	19.4
Midland	3.2	3.1	3.1	9.3	9.0	8.9	5.5	6.1	6.1
Odessa	1.9	1.9	1.8	8.1	8.0	8.0	7.4	7.3	7.1
San Angelo	2.0	(^a)	(^a)	7.7	(^a)	(^a)	6.2	(^a)	(^a)
San Antonio	36.7	37.3	37.4	107.5	111.3	110.2	98.4	102.3	102.5
Sherman-Denison	1.4	(^a)	(^a)	6.9	(^a)	(^a)	4.6	(^a)	(^a)
Texarkana	1.9	(^a)	(^a)	8.4	(^a)	(^a)	12.3	(^a)	(^a)
Tyler	4.0	4.1	4.0	13.1	13.8	13.9	7.9	8.4	8.3
Victoria	1.6	(^a)	(^a)	5.4	(^a)	(^a)	4.1	(^a)	(^a)
Waco	4.7	4.8	4.8	17.4	17.9	18.0	10.5	11.1	10.8
Wichita Falls	2.4	(^a)	(^a)	9.7	(^a)	(^a)	9.9	(^a)	(^a)
Utah									
Provo-Orem	31.4	33.4	33.3	133.3	137.7	138.7	132.4	134.6	133.5
Provo-Orem	2.2	2.2	2.2	21.5	23.3	23.3	12.4	11.9	11.9
Salt Lake City-Ogden	26.0	27.8	27.8	93.8	97.0	97.7	87.5	91.1	90.5
Vermont									
Burlington	10.2	10.9	11.0	52.9	53.4	53.6	32.7	33.9	33.6
Burlington	3.0	3.1	3.1	15.4	15.7	15.8	8.8	9.0	8.9
Springfield .....	.4	.4	.4	3.5	3.4	3.5	1.5	1.5	1.5

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Virginia	2,446.9	2,534.2	2,536.5	17.3	17.1	16.9	161.4	172.6	173.8
Bristol	28.7	29.9	29.8	.1	.1	.1	1.5	1.6	1.6
Charlottesville	57.3	(²)	(²)	.1	(²)	(²)	3.8	(²)	(²)
Danville	38.3	(²)	(²)	.1	(²)	(²)	1.5	(²)	(²)
Lynchburg	69.3	70.9	71.4	.1	.1	.1	2.9	3.3	3.3
Norfolk-Virginia Beach-Newport News	516.2	533.5	534.3	.1	.1	.1	35.2	39.3	39.1
Northern Virginia	626.0	659.6	655.7	.6	.6	.6	44.8	49.5	49.2
Richmond-Petersburg	401.5	403.8	402.3	.3	.4	.4	25.1	24.8	24.9
Roanoke	113.6	115.2	115.1	.1	.2	.2	7.4	7.8	7.7
Washington	1,720.9	1,761.0	1,773.0	3.0	2.9	2.9	87.7	87.2	90.1
Seattle	857.5	889.1	891.0	.5	.5	.5	45.3	46.3	46.8
West Virginia	600.3	603.3	597.1	45.4	40.6	39.4	26.6	26.3	26.7
Charleston	108.7	109.2	107.8	2.8	2.3	2.2	5.0	4.9	5.0
Huntington-Ashland	100.4	101.0	100.7	1.2	1.2	1.2	4.5	4.3	4.4
Parkersburg-Marietta	58.6	57.5	58.0	1.1	.9	.9	3.4	3.0	3.0
Wheeling	57.5	57.3	56.6	2.6	2.3	2.3	2.3	1.9	1.9
Wisconsin	1,991.9	2,020.7	2,032.1	2.7	3.0	3.0	69.8	70.0	70.9
Appleton-Oshkosh-Neenah	138.5	139.0	140.0	(¹)	(¹)	(¹)	6.3	6.3	6.2
Eau Claire	50.2	52.2	52.1	(¹)	(¹)	(¹)	2.1	1.9	1.9
Green Bay	88.7	89.1	90.6	(¹)	(¹)	(¹)	3.9	3.5	3.5
Janesville-Beloit	52.1	51.9	49.4	(¹)	(¹)	(¹)	1.6	1.4	1.5
Kenosha	37.2	36.7	36.9	(¹)	(¹)	(¹)	1.2	1.1	1.2
La Crosse	45.1	48.1	48.4	(¹)	(¹)	(¹)	1.4	1.1	1.2
Madison	188.1	190.3	190.4	(¹)	(¹)	(¹)	7.6	6.4	6.3
Milwaukee	658.5	667.9	671.4	(¹)	(¹)	(¹)	20.1	20.7	21.2
Racine	65.7	66.5	67.2	(¹)	(¹)	(¹)	1.6	2.0	2.0
Sheboygan	44.9	46.0	46.3	(¹)	(¹)	(¹)	1.3	1.4	1.5
Wausau	42.2	43.4	43.9	(¹)	(¹)	(¹)	1.3	1.8	1.8
Wyoming	213.5	203.0	200.8	26.8	22.0	21.5	17.6	16.2	16.0
Puerto Rico	673.4	725.9	697.2	.6	.7	.7	25.1	27.8	29.0
Caguas	41.9	45.4	42.2	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Mayaguez	48.9	52.2	49.8	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Ponce	40.9	44.3	42.6	(¹)	(¹)	(¹)	1.8	2.5	2.5
San Juan	417.8	440.0	432.0	.3	.3	.4	20.2	22.5	23.5
Virgin Islands	36.8	37.4	37.2	(¹)	(¹)	(¹)	2.6	2.8	2.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Virginia	423.6	426.6	429.4	133.5	135.3	135.6	547.6	577.9	578.7
Bristol	9.2	9.8	9.6	1.1	1.1	1.1	7.3	7.6	7.6
Charlottesville	9.4	(²)	(²)	1.9	(²)	(²)	11.6	(²)	(²)
Danville	16.7	(²)	(²)	.9	(²)	(²)	8.2	(²)	(²)
Lynchburg	24.6	23.7	24.3	3.0	3.1	3.0	13.1	13.7	13.7
Norfolk-Virginia Beach-Newport News	69.0	68.2	68.2	25.5	24.9	24.9	125.8	131.4	131.2
Northern Virginia	31.9	32.7	32.7	43.9	45.5	45.6	143.7	154.8	153.9
Richmond-Petersburg	62.8	61.4	61.6	21.5	21.8	22.1	96.5	98.7	98.2
Roanoke	20.8	20.5	20.6	9.5	9.7	9.7	28.7	29.8	29.9
Washington	299.7	296.3	302.7	96.5	96.8	97.9	427.9	442.4	445.6
Seattle	164.7	171.1	173.0	56.8	58.1	58.7	214.4	223.5	224.8
West Virginia	89.7	87.0	88.4	38.6	37.1	36.8	135.4	136.0	137.2
Charleston	13.8	12.4	12.4	8.8	8.5	8.5	28.1	28.4	28.2
Huntington-Ashland	19.7	19.0	19.1	8.2	7.6	7.6	26.0	26.7	26.9
Parkersburg-Marietta	15.1	14.0	14.5	2.0	2.0	2.0	13.8	14.0	14.0
Wheeling	7.2	7.6	7.5	3.3	3.2	3.2	15.1	15.0	14.9
Wisconsin	528.4	524.1	528.9	92.0	92.8	93.4	473.0	480.1	483.9
Appleton-Oshkosh-Neenah	50.6	49.5	50.7	4.8	4.7	4.8	29.9	29.7	30.5
Eau Claire	9.6	10.1	10.1	2.7	2.6	2.6	14.6	15.3	15.6
Green Bay	25.2	25.0	25.7	6.2	6.2	6.2	22.6	22.3	22.7
Janesville-Beloit	18.6	17.2	14.7	1.9	1.9	1.8	13.0	13.2	13.2
Kenosha	12.6	10.8	11.0	1.2	1.2	1.2	8.4	8.7	8.7
La Crosse	8.7	10.8	10.9	2.4	2.4	2.4	12.8	12.7	12.8
Madison	21.5	21.7	21.7	6.4	6.5	6.5	40.5	41.1	41.8
Milwaukee	169.8	169.9	170.0	34.7	34.5	34.6	151.5	155.1	156.1
Racine	23.3	22.8	23.1	2.1	2.1	2.1	15.5	15.7	16.0
Sheboygan	18.8	18.5	18.6	1.3	1.4	1.4	8.8	8.7	8.8
Wausau	11.3	11.6	11.7	2.4	2.4	2.4	10.5	11.0	11.0
Wyoming	8.2	8.2	8.3	15.2	14.7	14.6	47.5	44.8	44.7
Puerto Rico	147.6	148.6	148.4	14.3	14.5	14.4	118.4	119.6	119.7
Caguas	14.7	15.0	14.8	(¹)	(¹)	(¹)	8.0	8.0	7.8
Mayaguez	20.2	21.0	20.8	(¹)	(¹)	(¹)	6.1	6.1	6.1
Ponce	8.1	8.2	8.1	(¹)	(¹)	(¹)	6.4	6.3	6.3
San Juan	66.0	65.9	65.6	11.0	10.7	10.6	81.6	82.2	82.3
Virgin Islands	1.9	1.6	1.6	2.2	2.3	2.3	7.8	8.0	8.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Aug. 1985	July 1986	Aug. 1986 ^p	Aug. 1985	July 1986	Aug. 1986 ^p	Aug. 1985	July 1986	Aug. 1986 ^p
Virginia	126.5	132.8	133.8	549.7	573.2	572.9	487.3	498.6	495.4
Bristol	1.0	.9	1.0	3.9	4.1	4.1	4.6	4.7	4.8
Charlottesville	3.1	(²)	(²)	10.7	(²)	(²)	16.8	(²)	(²)
Danville	1.1	(²)	(²)	5.5	(²)	(²)	4.4	(²)	(²)
Lynchburg	3.5	3.6	3.7	12.3	12.5	12.5	9.9	11.0	10.8
Norfolk-Virginia Beach-Newport News	23.7	23.6	23.9	119.9	126.2	126.7	117.0	119.7	120.1
Northern Virginia	38.2	41.8	41.7	188.4	195.1	194.9	134.6	139.5	137.1
Richmond-Petersburg	32.4	34.9	35.0	79.9	83.0	81.9	82.8	78.7	78.3
Roanoke	6.8	6.9	7.0	25.7	26.6	26.6	14.5	13.7	13.5
Washington	100.7	105.4	105.6	378.2	391.3	394.4	327.2	338.7	333.8
Seattle	63.2	66.1	66.1	191.9	199.2	199.6	120.7	124.3	121.5
West Virginia	23.9	24.2	24.2	116.8	120.4	120.7	123.9	131.7	123.7
Charleston	5.9	6.0	6.1	23.6	24.6	24.6	20.9	22.1	20.8
Huntington-Ashland	3.9	3.9	3.9	18.6	19.2	19.1	18.3	19.1	18.5
Parkersburg-Marietta	2.1	2.2	2.2	12.0	12.3	12.3	9.1	9.1	9.1
Wheeling	2.9	2.8	2.8	15.1	14.9	14.6	9.0	9.6	9.4
Wisconsin	105.6	109.9	110.1	423.7	434.4	437.9	296.6	306.5	304.1
Appleton-Oshkosh-Neenah	7.0	7.1	7.2	24.6	26.5	25.5	15.2	15.1	15.0
Eau Claire	2.0	2.0	2.0	10.6	11.5	11.5	8.8	8.7	8.4
Green Bay	3.1	3.2	3.2	18.4	19.6	20.0	9.2	9.2	9.3
Janesville-Beloit	1.7	1.7	1.7	9.6	10.1	10.2	5.6	6.3	6.2
Kenosha	1.1	1.1	1.1	7.7	7.8	7.8	5.0	6.0	5.9
La Crosse	1.4	1.4	1.5	12.2	13.5	13.6	6.2	6.1	6.1
Madison	15.5	17.1	17.1	40.6	40.8	41.1	55.7	56.3	55.6
Milwaukee	44.8	46.1	46.1	163.8	167.2	168.4	73.3	73.8	74.6
Racine	2.3	2.3	2.3	13.1	13.6	13.9	7.7	7.9	7.7
Sheboygan	2.0	2.0	2.0	7.6	8.5	8.7	5.1	5.4	5.4
Wausau	3.3	3.3	3.3	7.8	7.9	8.1	5.5	5.5	5.5
Wyoming	8.1	8.1	8.0	39.3	37.9	37.9	50.8	51.1	49.8
Puerto Rico	30.4	31.5	31.4	92.0	92.8	95.3	244.7	290.4	258.5
Caguas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	14.0	17.6	14.7
Mayaguez	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	15.0	17.3	15.1
Ponce	(¹)	(¹)	(¹)	7.1	7.4	7.5	14.2	16.5	14.8
San Juan	24.3	25.4	25.3	67.9	67.7	70.0	146.5	165.3	154.5
Virgin Islands	1.7	1.7	1.7	6.3	6.9	6.5	14.3	14.1	14.2

¹ Not available.

² Publication of data has been suspended because of budget cuts.

³ Combined with construction.

^p = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1985 benchmarks except Michigan. Data for Michigan have been adjusted to December 1984 benchmarks.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Total private ¹			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964	38.7	\$2.36	\$91.33	41.9	\$2.81	\$117.74	37.2	\$3.55	\$132.06
1965	38.8	2.46	95.45	42.3	2.92	123.52	37.4	3.70	138.38
1966	38.6	2.56	98.82	42.7	3.05	130.24	37.6	3.89	146.26
1967	38.0	2.68	101.84	42.6	3.19	135.89	37.7	4.11	154.95
1968	37.8	2.85	107.73	42.6	3.35	142.71	37.3	4.41	164.49
1969	37.7	3.04	114.61	43.0	3.60	154.80	37.9	4.79	181.54
1970	37.1	3.23	119.83	42.7	3.85	164.40	37.3	5.24	195.45
1971	36.9	3.45	127.31	42.4	4.06	172.14	37.2	5.69	211.67
1972	37.0	3.70	136.90	42.6	4.44	189.14	36.5	6.06	221.19
1973	36.9	3.94	145.39	42.4	4.75	201.40	36.8	6.41	235.89
1974	36.5	4.24	154.76	41.9	5.23	219.14	36.6	6.81	249.25
1975	36.1	4.53	163.53	41.9	5.95	249.31	36.4	7.31	266.08
1976	36.1	4.86	175.45	42.4	6.46	273.90	36.8	7.71	283.73
1977	36.0	5.25	189.00	43.4	6.94	301.20	36.5	8.10	295.65
1978	35.8	5.69	203.70	43.4	7.67	332.88	36.8	8.66	318.69
1979	35.7	6.16	219.91	43.0	8.49	365.07	37.0	9.27	342.99
1980	35.3	6.66	235.10	43.3	9.17	397.06	37.0	9.94	367.78
1981	35.2	7.25	255.20	43.7	10.04	438.75	36.9	10.82	399.26
1982	34.8	7.68	267.26	42.7	10.77	459.88	36.7	11.63	426.82
1983	35.0	8.02	280.70	42.5	11.28	479.40	37.1	11.94	442.97
1984	35.2	8.32	292.86	43.3	11.63	503.58	37.8	12.13	458.51
1985	34.9	8.57	299.09	43.4	11.98	519.93	37.7	12.31	464.09
Monthly data, not seasonally adjusted									
1985:									
September	35.0	\$8.67	\$303.45	43.7	\$12.05	\$526.59	38.5	\$12.46	\$479.71
October	34.9	8.64	301.54	43.2	12.00	518.40	38.3	12.42	475.69
November	34.8	8.66	301.37	43.2	12.07	521.42	36.7	12.28	450.68
December	35.2	8.71	306.59	43.8	12.27	537.43	36.9	12.47	460.14
1986:									
January	34.7	8.72	302.58	44.4	12.24	543.46	37.2	12.34	459.05
February	34.4	8.74	300.66	42.4	12.32	522.37	35.2	12.35	434.72
March	34.7	8.73	302.93	42.3	12.35	522.41	36.4	12.22	444.81
April	34.6	8.72	301.71	42.0	12.43	522.06	37.6	12.29	462.10
May	34.7	8.72	302.58	41.8	12.44	519.99	37.9	12.33	467.31
June	34.9	8.71	303.98	42.0	12.50	525.00	37.8	12.31	465.32
July	35.0	8.69	304.15	41.6	12.46	518.34	38.3	12.31	471.47
August ^p	35.1	8.69	305.02	42.4	12.45	527.88	38.3	12.40	474.92
September ^p	34.9	8.81	307.47	42.7	12.49	533.32	38.7	12.55	485.69

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural 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	2.61	106.49
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	2.88	116.06
1968	40.7	3.01	2.88	122.51	40.6	3.42	138.85	40.1	3.05	122.31
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	3.44	137.26
1971	39.9	3.57	3.45	142.44	40.1	4.21	168.82	39.5	3.65	144.18
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	39.3	4.08	160.34
1974	40.0	4.42	4.25	176.80	40.2	5.41	217.48	38.8	4.39	170.33
1975	39.5	4.83	4.67	190.79	39.7	5.88	233.44	38.7	4.73	183.05
1976	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.03	194.66
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	38.5	6.96	267.96
1981	39.8	7.99	7.72	318.00	39.4	9.70	382.18	38.5	7.56	291.06
1982	38.9	8.49	8.25	330.26	39.0	10.32	402.48	38.3	8.09	309.85
1983	40.1	8.83	8.52	354.08	39.0	10.79	420.81	38.5	8.55	329.18
1984	40.7	9.19	8.82	374.03	39.4	11.12	438.13	38.5	8.89	342.27
1985	40.5	9.53	9.16	385.97	39.5	11.40	450.30	38.4	9.16	351.74
Monthly data, not seasonally adjusted										
1985:										
September	40.8	\$9.57	\$9.16	\$390.46	39.7	\$11.54	\$458.14	38.5	\$9.22	\$354.97
October	40.8	9.56	9.17	390.05	39.5	11.48	453.46	38.4	9.16	351.74
November	40.9	9.63	9.23	393.87	39.5	11.59	457.81	38.5	9.23	355.36
December	41.7	9.74	9.31	406.16	39.7	11.61	460.92	38.6	9.33	360.14
1986:										
January	40.7	9.70	9.31	394.79	39.0	11.59	452.01	38.3	9.28	355.42
February	40.3	9.70	9.33	390.91	39.2	11.64	456.29	38.0	9.36	355.68
March	40.7	9.72	9.33	395.60	39.4	11.62	457.83	38.3	9.33	357.34
April	40.5	9.70	9.33	392.85	39.0	11.55	450.45	38.3	9.29	355.81
May	40.6	9.71	9.34	394.23	39.0	11.54	450.06	38.4	9.29	356.74
June	40.8	9.70	9.32	395.76	39.4	11.57	455.86	38.5	9.32	358.82
July	40.2	9.74	9.35	391.55	39.4	11.61	457.43	38.5	9.30	358.05
August ^p	40.7	9.67	9.27	393.57	39.3	11.58	455.09	38.4	9.31	357.50
September ^p	41.0	9.75	9.32	399.75	39.1	11.67	456.30	38.4	9.35	359.04

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Retail trade			Finance, insurance, and real estate			Services		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964	37.0	\$1.75	\$64.75	37.3	\$2.30	\$85.79	36.1	\$1.94	\$70.03
1965	36.6	1.82	66.61	37.2	2.39	88.91	35.9	2.05	73.60
1966	35.9	1.91	68.57	37.3	2.47	92.13	35.5	2.17	77.04
1967	35.3	2.01	70.95	37.1	2.58	95.72	35.1	2.29	80.38
1968	34.7	2.16	74.95	37.0	2.75	101.75	34.7	2.42	83.97
1969	34.2	2.30	78.66	37.1	2.93	108.70	34.7	2.61	90.57
1970	33.8	2.44	82.47	36.7	3.07	112.67	34.4	2.81	96.66
1971	33.7	2.60	87.62	36.6	3.22	117.85	33.9	3.04	103.06
1972	33.4	2.75	91.85	36.6	3.36	122.98	33.9	3.27	110.85
1973	33.1	2.91	96.32	36.6	3.53	129.20	33.8	3.47	117.29
1974	32.7	3.14	102.68	36.5	3.77	137.61	33.6	3.75	126.00
1975	32.4	3.36	108.86	36.5	4.06	148.19	33.5	4.02	134.67
1976	32.1	3.57	114.60	36.4	4.27	155.43	33.3	4.31	143.52
1977	31.6	3.85	121.66	36.4	4.54	165.26	33.0	4.65	153.45
1978	31.0	4.20	130.20	36.4	4.89	178.00	32.8	4.99	163.67
1979	30.6	4.53	138.62	36.2	5.27	190.77	32.7	5.36	175.27
1980	30.2	4.88	147.38	36.2	5.79	209.60	32.6	5.85	190.71
1981	30.1	5.25	158.03	36.3	6.31	229.05	32.6	6.41	208.97
1982	29.9	5.48	163.85	36.2	6.78	245.44	32.6	6.92	225.59
1983	29.8	5.74	171.05	36.2	7.29	263.90	32.7	7.31	239.04
1984	29.8	5.85	174.33	36.5	7.63	278.50	32.6	7.59	247.43
1985	29.4	5.94	174.64	36.4	7.94	289.02	32.5	7.89	256.43
Monthly data, not seasonally adjusted									
1985:									
September	29.4	\$5.98	\$175.81	36.5	\$8.04	\$293.46	32.4	\$7.99	\$258.88
October	29.2	5.95	173.74	36.3	8.01	290.76	32.5	7.99	259.68
November	29.1	5.97	173.73	36.2	8.06	291.77	32.3	8.05	260.02
December	29.8	5.99	178.50	36.7	8.15	299.11	32.5	8.12	263.90
1986:									
January	28.7	6.03	173.06	36.4	8.14	296.30	32.4	8.12	263.09
February	28.6	6.04	172.74	36.8	8.28	304.70	32.4	8.17	264.71
March	28.9	6.03	174.27	36.7	8.30	304.61	32.4	8.18	265.03
April	28.9	6.01	173.69	36.4	8.29	301.76	32.4	8.12	263.09
May	29.1	6.00	174.60	36.3	8.31	301.65	32.4	8.10	262.44
June	29.5	5.99	176.71	36.6	8.37	306.34	32.6	8.10	264.06
July	29.9	5.97	178.50	36.5	8.30	302.95	32.8	8.04	263.71
August ^p	30.0	5.95	178.50	36.7	8.34	306.08	32.8	8.04	263.71
September ^p	29.2	6.04	176.37	36.5	8.41	306.97	32.4	8.20	265.68

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

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 forward are subject to revision.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Total private		35.2	35.0	35.0	35.1	34.9					
Mining		43.3	43.7	41.6	42.4	42.7					
Metal mining		40.6	40.7	40.6	40.3						
Iron ores	101	39.5	38.7	40.5	37.2						
Copper ores	102	41.1	41.8	40.6	41.9						
Coal mining		41.2	42.3		40.2						
Bituminous coal and lignite mining	12	41.3	42.3		40.3						
Oil and gas extraction		43.8	44.0	42.5	42.7						
Crude petroleum, natural gas, and natural gas liquids	131,2	41.8	42.2	42.7	43.8						
Oil and gas field services	138	44.7	44.9	42.3	42.0						
Nonmetallic minerals, except fuels		45.5	45.7	45.4	45.6						
Crushed and broken stone	142	47.5	47.5	47.1	46.9						
Construction		38.4	38.5	38.3	38.3	38.7					
General building contractors	15	37.5	37.7	37.6	37.7						
Residential building construction	152	37.0	37.1	37.1	37.1						
Operative builders	153	39.7	38.6	39.7	38.3						
Nonresidential building construction	154	38.0	38.2	38.0	38.3						
Heavy construction contractors	16	42.4	42.8	42.6	42.6						
Highway and street construction	161	43.6	44.0	43.4	43.7						
Heavy construction, except highway	162	41.8	42.2	42.1	41.8						
Special trade contractors	17	37.4	37.6	37.3	37.4						
Plumbing, heating, and air conditioning	171	38.5	38.6	38.6	38.4						
Painting, paper hanging, and decorating	172	35.6	35.6	36.0	35.5	-					
Electrical work	173	38.9	39.3	39.3	39.2						
Masonry, stonework, and plastering	174	35.9	36.1	35.6	35.7						
Carpentering and flooring	175	35.9	36.2	34.6	35.2						
Roofing and sheet metal work	176	35.4	35.1	34.4	35.0						
Manufacturing		40.5	40.8	40.2	40.7	41.0	3.4	3.6	3.3	3.6	3.8
Durable goods		41.0	41.4	40.7	41.2	41.6	3.4	3.7	3.3	3.5	3.8
Lumber and wood products	24	40.5	40.6	40.0	40.6	40.9	3.6	3.6	3.6	3.9	
Logging camps and logging contractors	241	39.8	40.5	39.2	39.7	-	3.7	3.6	3.6	4.3	
Sawmills and planing mills	242	41.0	41.0	40.8	41.3	-	4.0	3.9	4.2	4.7	
Sawmills and planing mills, general	2421	41.3	41.3	40.9	41.3	-	4.3	4.1	4.5	5.0	
Hardwood dimension and flooring	2426	39.5	39.7	40.4	41.6		2.6	2.7	2.9	3.7	
Millwork, plywood, and structural members	243	41.0	41.1	40.1	41.0		3.9	3.8	3.6	3.8	
Millwork	2431	42.2	42.0	40.4	41.5		4.3	3.8	3.3	3.6	
Wood kitchen cabinets	2434	39.9	39.9	39.7	40.8		3.0	3.2	3.3	3.6	
Hardwood veneer and plywood	2435	39.7	40.0	39.9	40.1		3.0	3.0	3.3	3.5	
Softwood veneer and plywood	2436	41.2	41.6	40.2	41.4		4.6	4.8	4.4	4.8	
Wood containers	244	38.4	38.7	37.9	38.5		2.2	2.4	2.3	2.4	
Wood buildings and mobile homes	245	39.0	39.4	39.7	40.3		3.0	2.9	2.9	3.3	
Mobile homes	2451	38.9	39.5	39.8	40.4		2.8	2.7	2.7	3.1	
Miscellaneous wood products	249	40.4	40.6	39.5	40.1		3.2	3.4	3.0	3.1	
Furniture and fixtures	25	39.4	39.8	38.7	40.0	40.5	2.5	2.7	2.2	2.8	
Household furniture	251	38.6	39.2	37.7	39.3	-	1.9	2.2	1.7	2.4	
Wood household furniture	2511	38.8	39.4	38.3	39.8		2.0	2.2	1.9	2.5	
Upholstered household furniture	2512	37.9	38.6	36.5	38.2	-	1.4	2.1	1.1	1.8	
Metal household furniture	2514	38.9	40.0	37.7	39.6		2.4	3.1	2.0	3.1	
Mattresses and bedsprings	2515	39.8	39.4	38.0	40.3	-	2.8	2.6	2.5	3.0	
Office furniture	252	40.8	40.7	39.5	40.9		3.2	3.1	2.8	3.6	
Public building and related furniture	253	40.0	40.6	39.3	40.2		3.2	3.2	3.2	3.8	
Partitions and fixtures	254	40.7	41.3	41.5	41.7		3.6	4.1	3.7	3.9	
Miscellaneous furniture and fixtures	259	41.6	40.8	40.0	40.7		3.1	2.6	2.3	2.7	
Stone, clay, and glass products	32	42.4	42.5	42.5	42.9	43.1	5.2	5.3	5.3	5.4	
Flat glass	321	45.1	46.4	46.0	45.0	-	6.8	7.9	7.1	6.0	-
Glass and glassware, pressed or blown	322	40.8	41.0	41.1	41.8		4.4	4.4	4.7	5.0	

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^a	Sept. 1986 ^a	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^a	Sept. 1986 ^a
Total private		\$8.52	\$8.67	\$8.69	\$8.69	\$8.81	\$299.90	\$303.45	\$304.15	\$305.02	\$307.47
Mining		11.99	12.05	12.46	12.45	12.49	519.17	526.59	518.34	527.88	533.32
Metal mining	10	13.54	13.44	13.47	13.14	-	549.72	547.01	546.88	529.54	-
Iron ores	101	13.36	13.19	14.07	14.33	-	527.72	510.45	569.84	533.08	-
Copper ores	102	13.52	13.56	12.74	11.67	-	555.67	566.81	517.24	488.97	-
Coal mining	11,12	15.11	15.19	-	15.47	-	622.53	642.54	585.14	621.89	-
Bituminous coal and lignite mining	12	15.16	15.23	-	15.52	-	626.11	644.23	587.41	625.46	-
Oil and gas extraction	13	11.12	11.15	11.63	11.59	-	487.06	490.60	494.28	494.89	-
Crude petroleum, natural gas, and natural gas liquids	131,2	13.09	13.42	13.75	13.57	-	547.16	566.32	587.13	594.37	-
Oil and gas field services	138	10.27	10.18	10.16	10.18	-	459.07	457.08	429.77	427.56	-
Nonmetallic minerals, except fuels	14	10.22	10.29	10.48	10.47	-	465.01	470.25	475.79	477.43	-
Crushed and broken stone	142	9.82	9.87	9.97	10.01	-	466.45	468.83	469.59	469.47	-
Construction		12.28	12.46	12.31	12.40	12.55	471.55	479.71	471.47	474.92	485.69
General building contractors	15	11.22	11.39	11.20	11.34	-	420.75	429.40	421.12	427.52	-
Residential building construction	152	10.69	10.83	10.59	10.68	-	395.53	401.79	392.89	396.23	-
Operative builders	153	9.22	9.21	9.52	9.77	-	366.03	355.51	377.94	374.19	-
Nonresidential building construction	154	11.88	12.07	11.95	12.11	-	451.44	461.07	454.10	463.81	-
Heavy construction contractors	16	12.19	12.29	11.93	12.05	-	516.86	526.01	508.22	513.33	-
Highway and street construction	161	11.44	11.75	11.82	12.13	-	498.78	517.00	512.99	530.08	-
Heavy construction, except highway	162	12.64	12.62	12.00	12.00	-	528.35	532.56	505.20	501.60	-
Special trade contractors	17	12.79	13.00	12.90	12.96	-	478.35	488.80	481.17	484.70	-
Plumbing, heating, and air conditioning	171	13.02	13.25	13.17	13.14	-	501.27	511.45	508.36	504.58	-
Painting, paper hanging, and decorating	172	12.04	12.16	12.17	12.14	-	428.62	432.90	438.12	430.97	-
Electrical work	173	14.20	14.37	14.29	14.27	-	552.38	564.74	561.60	559.38	-
Masonry, stonework, and plastering	174	13.00	13.12	13.03	13.25	-	466.70	473.63	463.87	473.03	-
Carpentering and flooring	175	11.94	12.01	12.53	12.40	-	428.65	434.76	433.54	436.48	-
Roofing and sheet metal work	176	11.35	11.53	11.41	11.61	-	401.79	404.70	392.50	406.35	-
Manufacturing		9.49	9.57	9.74	9.67	9.75	384.35	390.46	391.55	393.57	399.75
Durable goods		10.06	10.15	10.27	10.22	10.30	412.46	420.21	417.99	421.06	428.48
Lumber and wood products	24	8.27	8.33	8.36	8.40	8.44	334.94	338.20	334.40	341.04	345.20
Logging camps and logging contractors	241	11.01	11.18	11.25	11.20	-	438.20	452.79	441.00	444.64	-
Sawmills and planing mills	242	8.56	8.59	8.55	8.57	-	350.96	352.19	348.84	353.94	-
Sawmills and planing mills, general	2421	8.98	9.00	8.95	8.98	-	370.87	371.70	366.06	370.87	-
Hardwood dimension and flooring	2426	6.31	6.32	6.47	6.46	-	249.25	250.90	261.39	268.74	-
Millwork, plywood, and structural members	243	8.08	8.14	8.17	8.24	-	331.26	334.55	327.62	337.84	-
Millwork	2431	8.36	8.42	8.32	8.52	-	352.79	353.64	336.13	353.58	-
Wood kitchen cabinets	2434	7.19	7.19	7.54	7.54	-	286.88	286.88	299.34	307.63	-
Hardwood veneer and plywood	2435	6.70	6.65	6.83	6.91	-	265.99	266.00	272.52	277.09	-
Softwood veneer and plywood	2436	9.86	9.90	9.60	9.57	-	406.23	411.84	385.92	396.20	-
Wood containers	244	5.82	5.88	5.94	5.99	-	223.49	227.56	225.13	230.62	-
Wood buildings and mobile homes	245	7.42	7.42	7.66	7.58	-	289.38	292.35	304.10	305.47	-
Mobile homes	2451	7.52	7.48	7.73	7.65	-	292.53	295.46	307.65	309.06	-
Miscellaneous wood products	249	7.13	7.12	7.23	7.18	-	288.05	289.07	285.59	287.92	-
Furniture and fixtures	25	7.20	7.27	7.44	7.46	7.52	283.68	289.35	287.93	298.40	304.56
Household furniture	251	6.58	6.64	6.80	6.89	-	253.99	260.29	256.36	270.78	-
Wood household furniture	2511	6.07	6.13	6.32	6.39	-	235.52	241.52	242.06	254.32	-
Upholstered household furniture	2512	7.09	7.21	7.29	7.44	-	268.71	278.31	266.09	284.21	-
Metal household furniture	2514	7.00	7.04	7.29	7.23	-	272.30	281.60	274.83	286.31	-
Mattresses and bedsprings	2515	7.09	7.05	7.19	7.30	-	282.18	277.77	273.22	294.19	-
Office furniture	252	8.07	8.15	8.26	8.33	-	329.26	331.71	326.27	340.70	-
Public building and related furniture	253	7.71	7.79	7.92	7.87	-	308.40	316.27	311.26	316.37	-
Partitions and fixtures	254	8.67	8.83	8.95	8.84	-	352.87	364.68	371.43	368.63	-
Miscellaneous furniture and fixtures	259	7.71	7.71	7.82	7.82	-	320.74	314.57	312.80	318.27	-
Stone, clay, and glass products	32	9.87	9.91	10.06	10.07	10.10	418.49	421.18	427.55	432.00	435.31
Flat glass	321	13.97	14.22	14.26	14.26	-	630.05	659.81	655.96	641.70	-
Glass and glassware, pressed or blown	322	10.86	10.78	11.06	11.09	-	443.09	441.98	454.57	463.56	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^a	Sept. 1986 ^a	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^a	Sept. 1986 ^a
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	41.4	41.6	40.9	42.2		5.6	5.4	5.6	6.2	
Pressed and blown glass, nec	3229	40.1	40.3	41.3	41.2		3.1	3.1	3.6	3.5	
Products of purchased glass	323	41.0	41.3	41.8	42.1		3.4	3.6	3.8	3.7	
Cement, hydraulic	324	40.6	40.9	41.2	40.9		3.8	3.3	3.1	3.3	
Structural clay products	325	41.3	41.2	41.3	41.5		4.0	3.9	4.3	4.1	
Pottery and related products	326	39.5	40.0	38.8	40.5		2.5	2.9	2.3	2.4	
Concrete, gypsum, and plaster products	327	44.9	44.8	44.7	45.2		7.5	7.5	7.3	7.6	
Concrete block and brick	3271	46.6	46.0	46.1	45.3		8.2	7.5	8.2	7.7	
Concrete products, nec	3272	44.4	44.5	44.5	45.2		6.8	6.6	6.7	7.0	
Ready-mixed concrete	3273	44.2	44.1	44.3	44.8		7.5	7.7	7.6	7.7	
Misc. nonmetallic mineral products	329	40.7	40.9	41.1	41.2		3.8	4.0	3.9	3.9	
Abrasive products	3291	38.9	39.0	42.0	40.2		2.1	1.8	2.8	2.5	
Asbestos products	3292	41.7	40.8	42.6	43.5		3.7	3.4	3.6	2.9	
Primary metal industries											
Blast furnaces and basic steel products	331	41.2	41.2	41.4	41.4	42.6	3.5	3.4	3.9	4.0	
Blast furnaces and steel mills	3312	41.0	41.1	41.6	41.4	-	3.5	3.4	4.0	4.1	
Steel pipe and tubes	3317	42.6	42.3	40.3	40.7		4.3	3.8	3.0	3.5	
Iron and steel foundries	332	40.5	41.4	40.0	41.1		3.5	3.9	3.7	4.3	
Gray iron foundries	3321	41.1	41.4	39.3	41.0		4.1	4.3	4.0	4.8	
Malleable iron foundries	3322	38.8	39.0	40.2	38.4		1.8	2.0	2.6	2.6	
Steel foundries, nec	3325	38.7	41.7	40.3	40.7		2.1	3.2	2.9	3.0	
Primary nonferrous metals	333	41.4	41.6	41.5	41.8		3.5	3.4	3.8	4.2	
Primary aluminum	3334	41.8	41.8	41.9	42.5		3.9	3.5	3.8	4.1	
Nonferrous rolling and drawing	335	42.2	42.4	41.5	42.3		5.0	5.0	5.1	5.5	
Copper rolling and drawing	3351	42.2	41.5	41.1	41.6		4.1	3.5	5.0	4.9	
Aluminum sheet, plate, and foil	3353	42.1	42.4	42.2	42.7	-	5.6	5.7	5.6	6.5	
Nonferrous wire drawing and insulating	3357	41.8	42.4	41.1	42.0		5.1	5.2	5.0	5.6	
Nonferrous foundries	336	41.8	42.0	40.7	41.0		3.6	4.0	3.2	3.2	
Aluminum foundries	3361	42.5	42.4	41.5	41.5	-	4.1	4.5	3.6	3.5	
Fabricated metal products											
Metal cans and shipping containers	341	44.7	44.2	44.4	43.6	-	6.8	6.5	6.1	6.5	
Metal cans	3411	45.3	44.7	44.9	43.9		7.2	6.9	6.2	6.7	
Cutlery, hand tools, and hardware	342	40.3	41.2	39.7	40.3		2.9	3.4	2.4	2.7	
Hand and edge tools, and hand saws and blades	3423,5	40.1	40.9	39.3	40.3		2.2	2.6	1.9	2.6	
Hardware, nec	3429	40.2	41.1	39.9	40.3		3.2	3.8	2.7	2.7	
Plumbing and heating, except electric	343	40.3	41.1	38.6	39.6		2.7	3.2	1.9	2.6	
Plumbing fittings and brass goods	3432	40.2	40.8	40.0	41.0		2.4	3.0	2.0	2.7	
Heating equipment, except electric	3433	40.0	40.8	37.1	38.2		2.8	3.0	1.5	1.9	
Fabricated structural metal products	344	41.5	41.6	40.5	41.0		3.5	3.7	3.2	3.5	
Fabricated structural metal	3441	42.6	43.2	41.9	42.6		4.3	4.7	3.8	4.3	
Metal doors, sash, and trim	3442	42.1	42.1	40.4	40.4		3.6	3.7	3.4	3.4	
Fabricated plate work (boiler shops)	3443	41.5	41.7	40.1	40.8		3.3	3.5	2.2	3.0	
Sheet metal work	3444	40.2	40.0	39.6	40.0		2.9	2.9	3.0	3.1	
Architectural metal work	3446	39.9	39.3	39.5	39.8		3.5	3.1	3.3	3.8	
Screw machine products, bolts, etc	345	41.7	41.9	41.7	42.4		4.1	4.1	4.2	4.5	
Screw machine products	3451	41.1	41.3	40.9	40.5		3.2	3.4	3.2	3.0	
Bolts, nuts, rivets, and washers	3452	42.3	42.4	42.4	44.2		4.9	4.8	5.2	5.9	
Metal forgings and stampings	346	41.7	42.9	41.0	41.7		3.8	4.7	3.5	3.8	
Iron and steel forgings	3462	41.7	42.0	41.5	41.2		3.9	3.9	3.5	3.3	
Automotive stampings	3465	42.5	44.7	42.1	43.0		4.6	6.2	4.3	4.7	
Metal stampings, nec	3469	40.8	40.9	39.6	40.5		2.9	3.1	2.5	3.0	
Metal services, nec	347	40.4	40.7	40.2	40.8		3.3	3.5	3.2	3.4	
Plating and polishing	3471	39.6	40.0	39.8	40.4	-	2.7	3.0	3.0	3.2	
Metal coating and allied services	3479	42.0	42.1	41.0	41.6		4.5	4.5	3.7	3.8	
Ordnance and accessories, nec	348	40.8	41.7	39.4	40.7		2.9	3.1	2.2	2.8	
Ammunition, except for small arms, nec	3483	40.3	40.7	39.8	40.3		2.3	3.0	2.0	2.6	
Misc. fabricated metal products	349	40.1	40.3	39.5	40.4		2.7	2.8	2.3	2.8	
Valves and pipe fittings	3494	39.9	39.8	38.8	39.7		2.8	2.9	2.1	2.2	
Misc. fabricated wire products	3496	40.3	40.5	39.1	40.4		2.6	2.7	2.0	2.6	
Machinery, except electrical											
Engines and turbines	351	41.2	41.6	40.8	41.2	41.8	3.2	3.6	3.1	3.3	
Turbines and turbine generator sets	3511	39.4	41.3	38.5	38.9		3.9	5.0	3.8	3.9	
Internal combustion engines, nec	3519	41.7	41.2	43.5	41.9		3.5	2.7	2.9	4.0	
Farm and garden machinery	352	40.2	40.5	40.0	39.9		2.4	2.6	2.1	2.8	
Farm machinery and equipment	3523	40.6	41.1	40.7	41.1		2.7	2.9	2.6	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' on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
		Durable goods—Continued									
Stone, clay, and glass products—Continued											
Glass containers	3221	\$11.36	\$11.27	\$11.38	\$11.45	-	\$470.30	\$468.83	\$465.44	\$483.19	
Pressed and blown glass, nec	3229	10.24	10.19	10.65	10.63		410.62	410.66	439.85	437.96	
Products of purchased glass	323	8.51	8.57	8.78	8.71		348.91	353.94	367.00	366.69	
Cement, hydraulic	324	13.27	13.34	13.32	13.30		538.76	545.61	548.78	543.97	
Structural clay products	325	7.96	8.10	8.19	8.11	-	328.75	333.72	338.25	336.57	
Pottery and related products	326	8.66	8.76	8.86	8.78	-	342.07	350.40	343.77	355.59	
Concrete, gypsum, and plaster products	327	9.67	9.70	9.76	9.82	-	434.18	434.56	436.27	443.86	
Concrete block and brick	3271	8.24	8.28	8.69	8.72		383.98	380.88	400.61	395.02	
Concrete products, nec	3272	8.53	8.54	8.62	8.62	-	378.73	380.03	383.59	389.62	
Ready-mixed concrete	3273	10.63	10.69	10.61	10.69	-	469.85	471.43	470.02	478.91	
Misc. nonmetallic mineral products	329	10.00	9.99	10.29	10.31		407.00	408.59	422.92	424.77	
Abrasive products	3291	9.32	9.28	9.81	9.80		362.55	361.92	412.02	393.96	
Asbestos products	3292	9.96	10.03	10.19	10.27		415.33	409.22	434.09	446.75	
Primary metal industries	33	11.63	11.69	12.06	11.86	\$11.96	480.32	486.30	495.67	492.19	\$505.91
Blast furnaces and basic steel products	331	13.36	13.43	14.08	13.91	14.09	550.43	553.32	582.91	575.87	600.23
Blast furnaces and steel mills	3312	14.01	14.11	14.80	14.69	-	574.41	579.92	615.68	608.17	-
Steel pipe and tubes	3317	10.73	10.80	10.66	10.80	-	457.10	456.84	429.60	439.56	
Iron and steel foundries	332	10.42	10.56	10.60	10.58		422.01	437.18	424.00	434.84	
Gray iron foundries	3321	10.83	11.03	11.13	11.08		445.11	456.64	437.41	454.28	
Malleable iron foundries	3322	11.21	11.28	11.03	10.96		434.95	439.92	443.41	420.86	
Steel foundries, nec	3325	9.64	9.71	9.84	9.74		373.07	404.91	396.55	396.42	
Primary nonferrous metals	333	13.71	13.68	13.22	13.25		567.59	569.09	548.63	553.85	
Primary aluminum	3334	14.10	14.16	13.71	13.86		589.38	591.89	574.45	589.05	
Nonferrous rolling and drawing	335	10.99	11.04	11.14	11.09		463.78	468.10	462.31	469.11	
Copper rolling and drawing	3351	9.94	9.87	10.26	10.28		419.47	409.61	421.69	427.65	
Aluminum sheet, plate, and foil	3353	13.53	13.59	13.48	13.24		569.61	576.22	568.86	565.35	
Nonferrous wire drawing and insulating	3357	10.80	10.89	10.98	10.97		451.44	461.74	451.28	460.74	
Nonferrous foundries	336	9.22	9.30	9.52	9.46		385.40	390.60	387.46	387.86	
Aluminum foundries	3361	9.36	9.49	9.78	9.70		397.80	402.38	405.87	402.55	
Fabricated metal products	34	9.64	9.74	9.84	9.81	9.88	397.17	405.18	398.52	403.19	411.01
Metal cans and shipping containers	341	13.36	13.31	13.46	13.43	-	597.19	588.30	597.62	585.55	-
Metal cans	3411	14.11	14.06	14.14	14.15		639.18	628.48	634.89	621.19	
Cutlery, hand tools, and hardware	342	9.64	9.73	9.73	9.61	-	388.49	400.88	386.28	387.28	
Hand and edge tools, and hand saws and blades	3423,5	8.82	8.89	8.82	8.84		353.68	363.60	346.63	356.25	
Hardware, nec	3429	10.12	10.26	10.17	9.99		406.82	421.69	405.78	402.60	
Plumbing and heating, except electric	343	8.67	8.72	8.91	8.93		349.40	358.39	343.93	353.63	
Plumbing fittings and brass goods	3432	8.35	8.44	8.62	8.68		335.67	344.35	344.80	355.88	
Heating equipment, except electric	3433	8.50	8.47	8.75	8.72		340.00	345.58	324.63	333.10	
Fabricated structural metal products	344	8.94	8.97	9.04	9.07		371.01	373.15	366.12	371.87	
Fabricated structural metal	3441	9.38	9.39	9.46	9.56	-	399.59	405.65	396.37	407.26	
Metal doors, sash, and trim	3442	7.32	7.31	7.60	7.61		308.17	307.75	307.04	307.44	
Fabricated plate work (boiler shops)	3443	10.04	10.02	10.08	10.15	-	416.66	417.83	404.21	414.12	
Sheet metal work	3444	9.37	9.44	9.51	9.52		376.67	377.60	376.60	380.80	
Architectural metal work	3446	8.28	8.35	8.39	8.45	-	330.37	328.16	331.41	336.31	
Screw machine products, bolts, etc	345	9.11	9.21	9.43	9.43		379.89	385.90	393.23	399.83	
Screw machine products	3451	8.54	8.57	8.77	8.83	-	350.99	353.94	358.69	357.62	
Bolts, nuts, rivets, and washers	3452	9.68	9.84	10.06	9.97		409.46	417.22	426.54	440.67	
Metal forgings and stampings	346	11.41	11.68	11.81	11.73	-	475.80	501.07	484.21	489.14	
Iron and steel forgings	3462	12.23	12.30	12.40	12.37		509.99	516.60	514.60	509.64	
Automotive stampings	3465	13.27	13.62	13.71	13.78	-	563.98	608.81	577.19	592.54	
Metal stampings, nec	3469	8.72	8.76	9.06	8.93		355.78	358.28	358.78	361.67	
Metal services, nec	347	7.78	7.78	7.95	7.93		314.31	316.65	319.59	323.54	
Plating and polishing	3471	7.60	7.61	7.91	7.85		300.96	304.40	314.82	317.14	
Metal coating and allied services	3479	8.14	8.13	8.03	8.09		341.88	342.27	329.23	336.54	
Ordnance and accessories, nec	348	10.42	10.37	10.69	10.63		425.14	432.43	421.19	432.64	
Ammunition, except for small arms, nec	3483	10.06	10.06	10.29	10.34	-	405.42	409.44	409.54	416.70	
Misc. fabricated metal products	349	8.90	8.96	9.07	9.12		356.89	361.09	358.27	368.45	
Valves and pipe fittings	3494	9.48	9.60	9.81	9.82		378.25	382.08	380.63	389.85	
Misc. fabricated wire products	3496	8.05	8.08	8.10	8.21	-	324.42	327.24	316.71	331.68	
Machinery, except electrical	35	10.26	10.38	10.57	10.56	10.60	422.71	431.81	431.26	435.07	443.08
Engines and turbines	351	12.77	12.95	13.04	12.75	-	524.85	533.54	547.68	522.75	-
Turbines and turbine generator sets	3511	12.34	13.01	13.02	13.13	-	486.20	537.31	501.27	510.76	
Internal combustion engines, nec	3519	12.92	12.92	13.05	12.61	-	538.76	532.30	567.68	528.36	
Farm and garden machinery	352	10.01	10.10	10.15	9.93		402.40	409.05	406.00	396.21	
Farm machinery and equipment	3523	10.70	10.81	10.94	10.46		434.42	444.29	445.26	429.91	

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	41.6	42.0	39.9	41.6	-	2.8	3.1	2.4	2.6	-
Construction machinery	3531	42.1	42.6	40.9	44.1	-	2.4	2.7	1.9	2.0	-
Mining machinery	3532	40.1	41.3	40.2	39.5	-	2.2	2.9	2.9	2.9	-
Oil field machinery	3533	41.5	42.6	37.6	38.0	-	3.2	3.8	2.2	2.5	-
Conveyors and conveying equipment	3535	41.7	40.8	42.3	42.1	-	3.3	2.8	4.2	3.6	-
Industrial trucks and tractors	3537	40.3	40.2	37.8	41.3	-	3.0	3.1	2.4	3.3	-
Metalworking machinery	354	42.0	42.6	41.8	41.8	-	4.2	4.7	4.4	4.4	-
Machine tools, metal cutting types	3541	42.5	42.5	41.4	41.7	-	3.7	4.6	3.6	3.6	-
Machine tools, metal forming types	3542	41.0	42.7	40.9	39.8	-	3.6	4.6	4.1	4.4	-
Special dies, tools, jigs, and fixtures	3544	42.9	43.5	42.9	42.7	-	5.2	5.6	5.4	5.3	-
Machine tool accessories	3545	41.0	41.2	39.9	39.7	-	3.2	3.4	3.3	3.4	-
Power driven hand tools	3546	39.6	41.0	40.5	41.2	-	2.4	3.2	1.8	2.8	-
Special industry machinery	355	41.1	41.6	40.7	41.5	-	3.4	3.9	3.0	3.5	-
Food products machinery	3551	41.5	41.8	40.9	41.5	-	2.9	3.2	2.2	2.8	-
Textile machinery	3552	40.1	40.5	40.8	42.4	-	2.3	2.5	3.2	3.9	-
Printing trades machinery	3555	39.9	40.6	39.8	40.7	-	3.4	3.9	3.5	4.4	-
General industrial machinery	356	40.7	41.2	40.9	41.1	-	2.9	3.3	3.2	3.2	-
Pumps and pumping equipment	3561	39.8	40.4	40.1	40.8	-	2.4	2.7	2.0	2.1	-
Ball and roller bearings	3562	42.4	43.1	42.1	42.3	-	4.1	4.7	4.7	4.5	-
Air and gas compressors	3563	40.1	41.4	39.3	39.9	-	2.9	3.3	2.3	2.0	-
Blowers and fans	3564	40.7	40.0	40.7	41.5	-	2.3	2.3	2.7	3.7	-
Speed changers, drives, and gears	3566	40.0	41.0	41.5	41.2	-	2.7	3.2	4.1	4.4	-
Power transmission equipment, nec	3568	39.5	41.0	41.8	40.5	-	2.3	3.3	3.8	3.4	-
Office and computing machines	357	41.4	42.4	41.4	41.8	-	2.2	3.0	2.4	2.6	-
Electronic computing equipment	3573	41.3	42.5	41.4	41.9	-	2.1	2.9	2.4	2.6	-
Refrigeration and service machinery	358	40.2	40.5	40.4	41.1	-	2.7	3.1	3.1	2.8	-
Refrigeration and heating equipment	3585	40.5	40.6	40.7	41.0	-	2.9	3.2	3.6	2.9	-
Misc. machinery, except electrical	359	41.1	41.1	40.1	40.5	-	3.8	3.9	3.0	3.4	-
Carburetors, pistons, rings, and valves	3592	41.0	42.0	38.4	41.3	-	4.0	4.7	2.5	4.4	-
Machinery, except electrical, nec	3599	41.1	41.0	40.3	40.4	-	3.8	3.7	3.1	3.3	-
Electrical and electronic equipment	36	40.4	40.6	40.4	40.9	41.3	2.5	2.8	2.6	2.9	-
Electric distributing equipment	361	40.7	40.8	39.7	40.8	-	3.0	3.1	2.6	2.6	-
Transformers	3612	41.5	41.5	40.1	41.7	-	3.2	3.3	2.7	2.6	-
Switchgear and switchboard apparatus	3613	40.0	40.2	39.2	40.0	-	2.8	2.9	2.5	2.6	-
Electrical industrial apparatus	362	40.0	40.4	40.3	40.3	-	2.3	2.5	2.8	2.7	-
Motors and generators	3621	40.1	40.6	40.8	40.8	-	2.4	2.7	3.4	3.3	-
Industrial controls	3622	39.5	39.8	39.3	39.6	-	2.0	2.2	1.7	1.9	-
Household appliances	363	40.2	40.5	40.2	40.6	-	2.8	3.0	2.6	3.2	-
Household refrigerators and freezers	3632	41.0	39.8	41.2	39.3	-	3.3	3.1	3.8	3.0	-
Household laundry equipment	3633	40.0	40.4	40.5	42.1	-	1.6	1.8	2.0	4.0	-
Electric housewares and fans	3634	39.8	41.0	39.7	40.3	-	2.3	3.5	2.6	2.7	-
Electric lighting and wiring equipment	364	39.8	40.1	39.5	40.2	-	2.3	2.6	2.3	2.6	-
Electric lamps	3641	39.4	39.7	39.9	40.7	-	2.0	2.3	2.5	2.8	-
Current-carrying wiring devices	3643	39.8	39.9	39.7	39.9	-	2.2	2.4	1.9	2.3	-
Noncurrent-carrying wiring devices	3644	41.8	40.5	38.4	41.5	-	2.7	1.9	1.5	2.6	-
Residential lighting fixtures	3645	38.8	38.8	37.8	38.8	-	1.2	1.7	.8	1.3	-
Radio and TV receiving equipment	365	40.4	40.4	41.6	42.8	-	3.4	3.4	2.9	3.3	-
Radio and TV receiving sets	3651	39.5	39.5	41.9	43.2	-	3.0	2.8	2.8	3.1	-
Communication equipment	366	40.8	41.2	41.0	41.1	-	2.4	2.7	2.5	2.5	-
Telephone and telegraph apparatus	3661	39.7	40.3	40.4	40.9	-	1.8	2.2	1.8	1.9	-
Radio and TV communication equipment	3662	41.3	41.6	41.2	41.1	-	2.7	2.9	2.7	2.8	-
Electronic components and accessories	367	40.3	40.3	40.5	40.8	-	2.4	2.6	2.7	3.0	-
Electronic tubes	3671-3	40.8	41.2	42.6	42.6	-	2.2	1.9	2.3	3.0	-
Semiconductors and related devices	3674	40.8	40.5	40.7	40.8	-	2.5	2.6	3.1	3.2	-
Electronic components, nec	3679	40.4	40.5	40.3	40.9	-	2.6	2.9	2.7	3.0	-
Misc. electrical equipment and supplies	369	40.6	41.5	40.0	41.7	-	2.8	3.3	2.3	3.4	-
Storage batteries	3691	42.3	44.1	39.5	44.6	-	3.0	4.2	2.5	4.0	-
Engine electrical equipment	3694	40.8	41.5	40.0	41.4	-	3.4	3.8	2.4	3.9	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	\$10.94	\$11.03	\$11.06	\$11.23		\$455.10	\$463.26	\$441.29	\$467.17	
Construction machinery	3531	11.98	12.09	12.11	12.52	-	504.36	515.03	495.30	552.13	
Mining machinery	3532	11.30	11.55	11.71	11.58	-	453.13	477.02	470.74	457.41	
Oil field machinery	3533	11.16	11.22	11.28	11.13	-	463.14	477.97	424.13	422.94	-
Conveyors and conveying equipment	3535	9.83	9.71	10.01	10.00		409.91	396.17	423.42	421.00	
Industrial trucks and tractors	3537	9.26	9.41	9.56	9.75	-	373.18	378.28	361.37	402.68	
Metalworking machinery	354	10.52	10.70	11.03	11.00	-	441.84	455.82	461.05	459.80	
Machine tools, metal cutting types	3541	10.48	10.75	11.03	11.02	-	445.40	456.88	456.64	459.53	
Machine tools, metal forming types	3542	10.99	11.04	11.62	11.45		450.59	471.41	475.26	455.71	
Special dies, tools, jigs, and fixtures	3544	11.19	11.43	11.70	11.65		480.05	497.21	501.93	497.46	
Machine tool accessories	3545	9.53	9.63	9.83	9.91	-	390.73	396.76	392.22	393.43	
Power driven hand tools	3546	8.23	8.22	8.58	8.53	-	325.91	337.02	347.49	351.44	
Special industry machinery	355	10.18	10.29	10.44	10.41	-	418.40	428.06	424.91	432.02	-
Food products machinery	3551	10.40	10.51	10.60	10.51		431.60	439.32	433.54	436.17	-
Textile machinery	3552	7.96	8.03	8.44	8.44	-	319.20	325.22	344.35	357.86	
Printing trades machinery	3555	10.60	10.73	11.20	11.14		422.94	435.64	445.76	453.40	
General industrial machinery	356	10.07	10.15	10.24	10.19	-	409.85	418.18	418.82	418.81	-
Pumps and pumping equipment	3561	10.74	10.78	10.94	10.91	-	427.45	435.51	438.69	445.13	-
Ball and roller bearings	3562	10.32	10.52	10.81	10.63		437.57	453.41	455.10	449.65	-
Air and gas compressors	3563	10.45	10.37	10.02	10.03	-	419.05	429.32	393.79	400.20	-
Blowers and fans	3564	8.91	8.94	9.02	9.18	-	362.64	357.60	367.11	380.97	-
Speed changers, drives, and gears	3566	10.46	10.50	10.45	10.31	-	418.40	430.50	433.68	424.77	-
Power transmission equipment, nec	3568	10.06	10.17	10.24	10.26	-	397.37	416.97	428.03	415.53	-
Office and computing machines	357	9.44	9.42	9.95	10.00	-	390.82	399.41	411.93	418.00	
Electronic computing equipment	3573	9.42	9.40	9.97	10.00	-	389.05	399.50	412.76	419.00	-
Refrigeration and service machinery	358	10.02	10.23	10.26	10.23	-	402.80	414.32	414.50	420.45	-
Refrigeration and heating equipment	3585	10.32	10.58	10.55	10.40		417.96	429.55	429.39	426.40	
Misc. machinery, except electrical	359	9.88	10.05	10.16	10.22	-	406.07	413.06	407.42	413.91	-
Carburetors, pistons, rings, and valves	3592	12.26	12.72	12.49	12.66	-	502.66	534.24	479.62	522.86	-
Machinery, except electrical, nec	3599	9.52	9.63	9.83	9.83		391.27	394.83	396.15	397.13	-
Electrical and electronic equipment	36	9.50	9.54	9.68	9.67	\$9.74	383.80	387.32	391.07	395.50	\$402.26
Electric distributing equipment	361	8.80	8.80	9.00	8.93	-	358.16	359.04	357.30	364.34	-
Transformers	3612	8.70	8.63	8.86	8.73	-	361.05	358.15	355.29	364.04	-
Switchgear and switchboard apparatus	3613	8.89	8.95	9.12	9.13	-	355.60	359.79	357.50	365.20	-
Electrical industrial apparatus	362	9.48	9.51	9.73	9.71	-	379.20	384.20	392.12	391.31	-
Motors and generators	3621	9.39	9.49	9.68	9.65	-	376.54	385.29	394.94	393.72	-
Industrial controls	3622	9.21	9.20	9.55	9.61	-	363.80	366.16	375.32	380.56	-
Household appliances	363	9.27	9.26	9.65	9.60	-	372.65	375.03	387.93	389.76	-
Household refrigerators and freezers	3632	10.38	10.47	11.02	11.38	-	425.58	416.71	454.02	447.23	-
Household laundry equipment	3633	10.81	10.93	11.45	11.48	-	432.40	441.57	463.73	483.31	-
Electric housewares and fans	3634	7.10	7.22	7.17	7.12		282.58	296.02	284.65	286.94	-
Electric lighting and wiring equipment	364	8.65	8.71	8.82	8.84		344.27	349.27	348.39	355.37	-
Electric lamps	3641	9.99	9.94	9.84	9.75	-	393.61	394.62	392.62	396.83	
Current-carrying wiring devices	3643	8.06	8.11	8.27	8.36	-	320.79	323.59	328.32	333.56	
Noncurrent-carrying wiring devices	3644	8.99	9.02	9.28	9.35		375.78	365.31	356.35	388.03	-
Residential lighting fixtures	3645	6.66	6.53	6.63	6.50	-	258.41	253.36	250.61	252.20	-
Radio and TV receiving equipment	365	9.36	9.31	9.49	9.48	-	378.14	376.12	394.78	405.74	-
Radio and TV receiving sets	3651	9.71	9.74	9.78	9.73	-	383.55	384.73	409.78	420.34	-
Communication equipment	366	11.32	11.36	11.21	11.27	-	461.86	468.03	459.61	463.20	-
Telephone and telegraph apparatus	3661	10.92	10.95	10.48	10.69	-	433.52	441.29	423.39	437.22	-
Radio and TV communication equipment	3662	11.49	11.53	11.46	11.47	-	474.54	479.65	472.15	471.42	-
Electronic components and accessories	367	8.37	8.43	8.73	8.70	-	337.31	339.73	353.57	354.96	-
Electronic tubes	3671-3	10.66	10.78	10.81	10.67	-	434.93	444.14	460.51	454.54	-
Semiconductors and related devices	3674	9.64	9.76	10.29	10.37	-	393.31	395.28	418.80	423.10	-
Electronic components, nec	3679	7.74	7.78	7.93	7.87	-	312.70	315.09	319.58	321.88	-
Misc. electrical equipment and supplies	369	10.31	10.45	10.52	10.50	-	418.59	433.68	420.80	437.85	-
Storage batteries	3691	10.56	10.83	11.19	11.05	-	446.69	477.60	442.01	492.83	-
Engine electrical equipment	3694	11.00	11.16	11.06	11.08	-	448.80	463.14	442.40	458.71	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Durable goods—Continued											
Transportation equipment	37	41.9	42.6	41.5	41.9	42.0	4.4	4.7	4.1	4.2	
Motor vehicles and equipment	371	42.5	43.4	41.8	41.8	42.2	4.8	5.3	3.9	4.0	
Motor vehicles and car bodies	3711	42.4	43.3	41.4	41.0	-	5.1	5.4	3.3	3.8	
Truck and bus bodies	3713	40.9	41.1	40.7	41.4	-	3.7	3.6	3.3	3.4	
Motor vehicle parts and accessories	3714	42.9	44.1	42.5	42.5	-	4.8	5.6	4.6	4.3	
Truck trailers	3715	39.6	40.2	40.4	40.9	-	2.3	2.8	2.6	3.1	
Aircraft and parts	372	41.8	42.3	41.6	42.6	-	4.5	4.7	4.8	5.2	
Aircraft	3721	41.1	41.6	41.3	42.1	-	3.5	3.8	4.3	4.6	
Aircraft engines and engine parts	3724	42.1	42.5	41.6	42.7	-	5.8	5.5	5.5	5.7	-
Aircraft equipment, nec	3728	42.6	43.1	42.0	43.5	-	5.0	5.3	4.9	5.7	-
Ship and boat building and repairing	373	40.1	40.3	40.9	40.7	-	3.1	3.4	3.6	3.1	
Ship building and repairing	3731	39.9	40.3	41.7	41.2	-	3.4	3.6	4.0	3.4	
Boat building and repairing	3732	40.7	40.3	39.0	39.3	-	2.3	2.7	2.5	2.3	-
Railroad equipment	374	41.1	41.2	39.3	40.6	-	2.7	2.4	1.8	2.7	
Guided missiles, space vehicles, and parts	376	42.4	42.6	41.7	42.3	-	4.9	5.0	4.4	4.3	
Guided missiles and space vehicles	3761	42.8	42.8	41.8	42.5	-	5.2	5.4	4.7	4.6	
Miscellaneous transportation equipment	379	39.9	39.3	39.3	40.8	-	2.5	2.2	3.4	3.4	
Travel trailers and campers	3792	38.4	38.5	39.0	40.8	-	1.5	1.9	2.6	2.7	
Instruments and related products	38	40.6	41.1	40.4	40.6	40.9	2.3	2.7	2.3	2.4	-
Engineering and scientific instruments	381	41.5	41.3	41.3	41.2	-	2.6	2.9	3.0	2.9	-
Measuring and controlling devices	382	40.0	40.6	39.6	40.1	-	1.8	2.2	1.8	2.1	-
Environmental controls	3822	40.1	40.5	39.4	39.0	-	1.7	1.9	2.0	1.9	-
Process control instruments	3823	39.6	39.5	39.4	40.3	-	2.0	2.4	2.0	2.4	-
Instruments to measure electricity	3825	39.4	40.4	38.9	39.7	-	1.6	1.8	1.4	1.6	-
Optical instruments and lenses	383	39.9	40.5	40.5	40.6	-	2.3	2.6	2.4	2.4	-
Medical instruments and supplies	384	40.5	41.3	40.1	40.2	-	2.8	3.4	2.6	2.6	-
Surgical and medical instruments	3841	41.1	41.7	40.3	40.4	-	2.9	3.3	2.9	2.5	-
Surgical appliances and supplies	3842	40.1	41.1	40.2	40.2	-	2.7	3.6	2.5	2.7	-
Ophthalmic goods	385	39.3	39.5	39.6	40.5	-	1.6	1.6	1.9	2.0	-
Photographic equipment and supplies	386	42.6	42.8	42.5	-	-	3.0	3.4	2.7	-	-
Watches, clocks, and watchcases	387	38.9	40.5	40.7	39.5	-	1.4	2.0	1.0	1.1	-
Miscellaneous manufacturing	39	39.1	40.0	38.8	39.3	39.6	2.2	2.7	1.9	2.2	-
Jewelry, silverware, and plated ware	391	38.3	39.3	37.2	37.6	-	2.2	3.2	1.1	1.7	-
Jewelry, precious metal	3911	37.3	38.1	36.0	36.7	-	2.0	3.0	.7	1.4	-
Musical instruments	393	40.6	41.0	39.7	40.4	-	2.1	2.5	2.4	3.0	-
Toys and sporting goods	394	39.2	39.6	39.1	39.5	-	1.9	2.0	1.9	1.9	-
Dolls, games, toys, and children's vehicles	3942,4	39.0	39.9	38.1	38.6	-	1.9	2.0	1.6	1.8	-
Sporting and athletic goods, nec	3949	39.4	39.3	39.8	40.3	-	2.0	2.0	2.2	1.9	-
Pens, pencils, office, and art supplies	395	40.6	41.2	39.9	40.3	-	1.9	1.9	1.7	1.9	-
Costume jewelry and notions	396	37.4	39.7	36.3	38.1	-	2.1	3.0	1.1	2.5	-
Costume jewelry	3961	35.7	38.9	35.7	37.5	-	1.7	3.0	.9	2.9	-
Miscellaneous manufactures	399	39.5	40.3	39.5	39.7	-	2.5	3.0	2.3	2.6	-
Signs and advertising displays	3993	39.9	40.6	39.7	39.6	-	2.5	3.1	2.3	2.2	-
Nondurable goods		39.7	40.0	39.6	40.0	40.1	3.3	3.5	3.3	3.6	3.7
Food and kindred products	20	40.3	40.8	40.0	40.6	40.6	4.4	4.8	4.1	4.6	-
Meat products	201	39.9	40.8	39.6	40.1	-	3.8	4.4	3.8	3.9	-
Meat packing plants	2011	41.7	43.0	41.4	41.7	-	4.4	5.8	4.6	5.0	-
Sausages and other prepared meats	2013	40.4	42.6	40.6	40.3	-	4.4	4.6	4.4	3.9	-
Poultry dressing plants	2016	38.2	38.4	38.1	38.9	-	2.9	3.1	3.2	3.1	-
Dairy products	202	41.3	42.1	42.0	41.4	-	4.4	4.9	4.9	4.6	-
Cheese, natural and processed	2022	39.1	39.9	39.8	39.6	-	3.2	3.8	3.9	4.0	-
Fluid milk	2026	42.3	43.1	43.0	42.4	-	5.1	5.7	5.4	5.2	-
Preserved fruits and vegetables	203	40.4	40.5	38.8	40.9	-	5.4	5.7	4.0	5.8	-
Canned specialties	2032	42.2	43.9	40.3	41.9	-	6.0	8.5	3.0	6.1	-
Canned fruits and vegetables	2033	40.8	40.7	38.2	40.1	-	6.1	6.9	4.5	6.4	-
Frozen fruits and vegetables	2037	38.8	38.7	37.4	40.7	-	4.3	4.0	3.7	5.9	-
Grain mill products	204	43.7	44.4	43.7	44.0	-	5.9	6.5	5.5	6.0	-
Flour and other grain mill products	2041	45.5	47.4	45.4	46.8	-	5.4	7.0	5.0	6.5	-
Prepared feeds, nec	2048	43.4	43.1	43.7	43.2	-	6.1	6.3	5.7	6.0	-
Bakery products	205	39.0	39.2	39.9	39.6	-	3.1	3.5	3.8	3.8	-
Bread, cake, and related products	2051	38.3	38.6	39.4	38.8	-	3.5	3.6	4.0	3.8	-
Cookies and crackers	2052	40.8	40.9	41.0	41.7	-	2.3	3.2	3.1	3.8	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Durable goods—Continued											
Transportation equipment	37	\$12.65	\$12.78	\$12.78	\$12.74	\$12.88	\$530.04	\$544.43	\$530.37	\$533.81	\$540.96
Motor vehicles and equipment	371	13.31	13.48	13.40	13.34	13.54	565.68	585.03	560.12	557.61	571.39
Motor vehicles and car bodies	3711	14.84	14.84	14.81	14.98	-	629.22	642.57	613.13	614.18	-
Truck and bus bodies	3713	10.63	10.67	10.75	10.88	-	434.77	438.54	437.53	450.43	-
Motor vehicle parts and accessories	3714	12.59	12.84	12.91	12.78	-	540.11	566.24	548.68	543.15	-
Truck trailers	3715	9.29	9.36	9.53	9.55	-	367.88	376.27	385.01	390.60	-
Aircraft and parts	372	12.63	12.67	12.90	12.93	-	527.93	535.94	536.64	550.82	-
Aircraft	3721	(^q)	(^q)	(^q)	(^q)	-	-	-	-	-	-
Aircraft engines and engine parts	3724	\$12.97	\$12.89	\$13.16	\$13.18	-	546.04	547.83	547.46	562.79	-
Aircraft equipment, nec	3728	11.60	11.61	11.89	11.96	-	494.16	500.39	499.38	520.26	-
Ship and boat building and repairing	373	10.51	10.64	10.62	10.58	-	421.45	428.79	434.36	430.61	-
Ship building and repairing	3731	11.45	11.47	11.57	11.54	-	456.86	462.24	482.47	475.45	-
Boat building and repairing	3732	8.11	8.43	8.02	7.98	-	330.08	339.73	312.78	313.61	-
Railroad equipment	374	12.54	12.48	12.50	12.60	-	515.39	514.18	491.25	511.56	-
Guided missiles, space vehicles, and parts	376	12.10	12.17	12.03	12.14	-	513.04	518.44	501.65	513.52	-
Guided missiles and space vehicles	3761	12.32	12.44	12.32	12.47	-	527.30	532.43	514.98	529.98	-
Miscellaneous transportation equipment	379	9.91	9.79	10.48	10.40	-	395.41	384.75	411.86	424.32	-
Travel trailers and campers	3792	8.53	8.36	8.89	8.85	-	327.55	321.86	346.71	361.08	-
Instruments and related products	38	9.19	9.25	9.47	9.53	9.57	373.11	380.18	382.59	386.92	391.41
Engineering and scientific instruments	381	9.82	9.83	10.25	10.23	-	407.53	405.98	423.33	421.48	-
Measuring and controlling devices	382	8.97	9.01	9.30	9.34	-	358.80	365.81	368.28	374.53	-
Environmental controls	3822	8.56	8.59	8.73	8.78	-	343.26	347.90	343.96	342.42	-
Process control instruments	3823	9.08	9.22	9.37	9.47	-	359.57	364.19	369.18	381.64	-
Instruments to measure electricity	3825	9.21	9.18	9.49	9.50	-	362.87	370.87	369.16	377.15	-
Optical instruments and lenses	383	10.07	10.14	10.71	10.44	-	401.79	410.67	433.76	423.86	-
Medical instruments and supplies	384	8.19	8.29	8.42	8.43	-	331.70	342.38	337.64	338.89	-
Surgical and medical instruments	3841	8.31	8.37	8.63	8.58	-	341.54	349.03	347.79	346.63	-
Surgical appliances and supplies	3842	8.15	8.27	8.27	8.32	-	326.82	339.90	332.45	334.46	-
Ophthalmic goods	385	6.95	6.96	7.09	7.12	-	273.14	274.92	280.76	288.36	-
Photographic equipment and supplies	386	12.04	12.24	12.47	-	-	512.90	523.87	529.98	-	-
Watches, clocks, and watchcases	387	6.85	6.90	6.92	7.04	-	266.47	279.45	281.64	278.08	-
Miscellaneous manufacturing	39	7.28	7.33	7.59	7.52	7.56	284.65	293.20	294.49	295.54	299.38
Jewelry, silverware, and plated ware	391	7.73	7.87	8.08	8.05	-	296.06	309.29	300.58	302.68	-
Jewelry, precious metal	3911	7.81	7.95	8.13	8.16	-	291.31	302.90	292.68	299.47	-
Musical instruments	393	6.94	6.90	7.24	7.35	-	281.76	282.90	287.43	296.94	-
Toys and sporting goods	394	6.68	6.65	6.95	6.86	-	261.86	263.34	271.75	270.97	-
Dolls, games, toys, and children's vehicles	3942,4	6.36	6.30	6.92	6.85	-	248.04	251.37	263.65	264.41	-
Sporting and athletic goods, nec	3949	6.97	6.96	6.98	6.87	-	274.62	273.53	277.80	276.86	-
Pens, pencils, office, and art supplies	395	7.76	7.77	7.70	7.70	-	315.06	320.12	307.23	310.31	-
Costume jewelry and notions	396	5.97	5.89	6.19	6.13	-	223.28	233.83	224.70	233.55	-
Costume jewelry	3961	5.58	5.57	5.66	5.60	-	199.21	216.67	202.06	210.00	-
Miscellaneous manufactures	399	7.93	8.05	8.32	8.27	-	313.24	324.42	328.64	328.32	-
Signs and advertising displays	3993	8.41	8.55	8.52	8.55	-	335.56	347.13	338.24	338.58	-
Nondurable goods		8.70	8.73	8.99	8.93	8.98	345.39	349.20	356.00	357.20	360.10
Food and kindred products	20	8.50	8.53	8.75	8.64	8.68	342.55	348.02	350.00	350.78	352.41
Meat products	201	7.25	7.30	7.33	7.30	-	289.28	297.84	290.27	292.73	-
Meat packing plants	2011	8.16	8.27	8.26	8.26	-	340.27	355.61	341.96	344.44	-
Sausages and other prepared meats	2013	8.76	8.72	8.74	8.74	-	353.90	371.47	354.84	352.22	-
Poultry dressing plants	2016	5.78	5.77	5.97	5.95	-	220.80	221.57	227.46	231.46	-
Dairy products	202	9.20	9.34	9.40	9.44	-	379.96	393.21	394.80	390.82	-
Cheese, natural and processed	2022	8.59	8.78	8.79	8.86	-	335.87	350.32	349.84	350.86	-
Fluid milk	2026	9.56	9.71	9.85	9.82	-	404.39	418.50	423.55	416.37	-
Preserved fruits and vegetables	203	7.63	7.56	7.99	7.74	-	308.25	306.18	310.01	316.57	-
Canned specialties	2032	9.54	9.63	9.99	9.76	-	402.59	422.76	402.60	408.94	-
Canned fruits and vegetables	2033	7.58	7.31	7.93	7.70	-	309.26	297.52	302.93	308.77	-
Frozen fruits and vegetables	2037	6.93	7.06	7.29	6.91	-	268.88	273.22	272.65	281.24	-
Grain mill products	204	10.39	10.49	10.73	10.72	-	454.04	465.76	468.90	471.68	-
Flour and other grain mill products	2041	9.95	10.15	10.20	10.33	-	452.73	481.11	463.08	483.44	-
Prepared feeds, nec	2048	7.79	8.01	8.10	8.20	-	338.09	345.23	353.97	354.24	-
Bakery products	205	9.69	9.71	9.91	9.87	-	377.91	380.63	395.41	390.85	-
Bread, cake, and related products	2051	9.72	9.73	9.87	9.77	-	372.28	375.58	388.88	379.08	-
Cookies and crackers	2052	9.62	9.67	10.02	10.11	-	392.50	395.50	410.82	421.59	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	40.3	41.2	39.7	40.9		3.7	4.6	2.5	3.5	-
Cane and beet sugar	2061-3	42.5	42.4	42.2	42.8		5.7	6.2	4.4	5.7	-
Confectionery products	2065	39.0	40.5	38.7	39.9	-	3.1	4.2	1.7	2.3	-
Fats and oils	207	42.7	43.4	42.4	42.6		5.6	5.2	4.9	5.1	-
Beverages	208	41.0	41.1	41.6	40.8		4.5	4.5	4.7	4.2	-
Malt beverages	2082	42.5	41.6	43.1	42.7		6.1	5.5	5.9	5.4	-
Bottled and canned soft drinks	2086	40.5	40.0	41.7	40.5		4.2	3.5	4.9	4.2	-
Misc. food and kindred products	209	38.7	38.3	37.8	38.9		4.2	4.0	4.1	4.5	-
Tobacco manufactures	21	37.1	38.3	35.9	36.2	38.4	1.2	1.6	.6	.7	-
Cigarettes	211	36.7	36.8	35.3	35.9	-	1.1	1.4	.3	.5	-
Textile mill products	22	40.2	40.8	40.3	41.6	41.7	3.4	3.8	3.7	4.4	-
Weaving mills, cotton	221	40.4	41.1	40.8	42.8	-	3.9	4.9	4.9	6.0	-
Weaving mills, synthetics	222	39.9	40.5	40.5	41.5		3.1	3.3	3.5	4.1	-
Weaving and finishing mills, wool	223	39.5	41.1	40.6	41.2		2.3	3.1	3.1	3.6	-
Narrow fabric mills	224	39.8	40.7	40.0	40.8		2.7	3.1	2.7	3.1	-
Knitting mills	225	38.6	38.9	38.9	39.7		2.8	3.0	3.0	3.4	-
Women's hosiery, except socks	2251	39.7	38.3	38.2	38.8		3.3	2.8	2.9	3.0	-
Hosiery, nec	2252	37.2	38.0	38.7	38.7		2.0	2.2	2.3	2.4	-
Knit outerwear mills	2253	38.0	39.2	37.2	38.8	-	2.6	3.3	2.7	3.5	-
Knit underwear mills	2254	37.6	37.3	39.6	40.3	-	1.7	1.6	2.2	3.0	-
Circular knit fabric mills	2257	39.1	39.7	42.2	42.3		4.2	4.4	5.0	4.9	-
Textile finishing, except wool	226	41.4	42.9	40.3	43.3		4.4	5.1	3.8	5.2	-
Finishing plants, cotton	2261	42.3	43.5	40.9	43.6		4.9	5.6	4.3	5.3	-
Finishing plants, synthetics	2262	40.6	42.4	38.6	42.6		4.3	4.9	3.6	5.5	-
Floor covering mills	227	42.2	43.3	40.6	42.8		4.5	4.5	4.3	5.0	-
Yarn and thread mills	228	40.8	40.9	41.8	42.8	-	3.6	3.8	4.3	5.0	-
Yarn mills, except wool	2281	41.3	41.4	43.1	43.9		3.9	4.1	4.9	5.7	-
Throwing and winding mills	2282	38.5	38.8	37.8	39.0	-	2.9	3.0	2.8	3.5	-
Miscellaneous textile goods	229	42.3	42.5	42.0	42.3		3.7	3.8	3.8	4.0	-
Apparel and other textile products	23	36.6	36.6	36.3	36.5	36.5	1.4	1.5	1.2	1.5	-
Men's and boys' suits and coats	231	34.1	35.0	36.1	34.3	-	.7	.9	.8	.7	-
Men's and boys' furnishings	232	37.1	37.0	36.9	37.1	-	1.3	1.3	1.0	1.3	-
Men's and boys' shirts and nightwear	2321	36.7	36.7	36.8	37.4		1.2	1.2	1.0	1.4	-
Men's and boys' separate trousers	2327	36.6	36.7	35.5	36.2	-	1.4	1.4	.6	.5	-
Men's and boys' work clothing	2328	37.7	37.1	37.3	36.2	-	1.4	1.3	1.1	1.2	-
Women's and misses' outerwear	233	35.1	34.6	34.5	34.7		1.2	1.3	1.1	1.4	-
Women's and misses' blouses and waists	2331	34.5	34.7	35.6	35.9		.9	1.0	.9	1.3	-
Women's and misses' dresses	2335	33.7	33.8	33.1	34.1		1.0	1.0	1.0	1.1	-
Women's and misses' suits and coats	2337	35.2	34.8	35.3	35.2		1.3	1.3	1.1	1.5	-
Women's and misses' outerwear, nec	2339	36.1	35.1	34.6	34.5		1.4	1.5	1.2	1.5	-
Women's and children's undergarments	234	37.5	37.6	36.6	37.8		1.6	2.0	1.2	1.8	-
Women's and children's underwear	2341	38.0	38.1	37.0	38.2		1.7	2.1	1.2	1.8	-
Brassieres and allied garments	2342	35.0	35.1	34.6	36.1		1.3	1.3	1.0	1.9	-
Children's outerwear	236	36.3	36.5	37.2	36.4		1.3	1.3	1.5	1.3	-
Children's dresses and blouses	2361	34.5	35.7	36.1	36.1		1.0	1.1	1.3	1.4	-
Misc. apparel and accessories	238	37.5	37.1	37.2	37.8	-	1.1	1.1	1.0	1.3	-
Misc. fabricated textile products	239	39.0	39.9	38.1	39.0	-	2.4	3.0	2.2	2.7	-
Curtains and draperies	2391	38.5	39.3	37.3	38.2	-	1.4	2.0	1.6	1.4	-
House furnishings, nec	2392	38.6	39.5	37.9	39.5	-	2.3	2.9	2.2	3.3	-
Automotive and apparel trimmings	2396	40.7	41.7	39.5	40.0	-	4.2	4.9	3.7	4.1	-
Paper and allied products	26	42.9	43.4	43.0	43.2	43.5	4.7	5.0	5.0	5.0	-
Paper and pulp mills	261,2,6	44.4	45.4	45.8	45.0	-	6.1	6.5	7.0	6.8	-
Paper mills, except building paper	262	44.8	45.7	46.0	45.2		6.3	6.6	7.1	7.0	-
Paperboard mills	263	43.2	43.9	44.1	43.7		6.4	6.7	7.4	6.4	-
Misc. converted paper products	264	42.0	42.2	41.3	41.8	-	3.4	3.6	3.4	3.5	-
Paper coating and glazing	2641	43.0	43.3	43.0	43.0	-	3.1	3.3	3.4	3.1	-
Envelopes	2642	41.6	42.0	40.4	42.1	-	3.5	3.7	2.8	3.4	-
Bags, except textile bags	2643	42.7	42.8	41.5	41.9	-	4.0	4.2	4.0	4.3	-
Paperboard containers and boxes	265	42.3	42.8	41.9	43.0		4.3	4.7	4.3	4.5	-
Folding paperboard boxes	2651	42.1	42.0	41.6	41.8	-	3.8	4.2	3.7	4.1	-
Corrugated and solid fiber boxes	2653	43.1	44.1	42.6	44.2	-	4.8	5.4	4.6	4.9	-
Sanitary food containers	2654	42.4	42.0	42.0	43.9		4.8	4.6	5.4	5.5	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	\$8.78	\$8.69	\$9.01	\$8.98	-	\$353.83	\$358.03	\$357.70	\$367.28	-
Cane and beet sugar	2061-3	10.55	10.11	10.97	11.09	-	448.38	428.66	462.93	474.65	-
Confectionery products	2065	7.63	7.60	7.67	7.59	-	297.57	307.80	296.83	302.84	-
Fats and oils	207	8.96	8.96	9.04	9.05	-	382.59	388.86	383.30	385.53	-
Beverages	208	11.42	11.48	11.66	11.65	-	468.22	471.83	485.06	475.32	-
Malt beverages	2082	15.72	15.76	16.08	16.03	-	668.10	655.62	693.05	684.48	-
Bottled and canned soft drinks	2086	8.79	8.76	9.18	9.16	-	356.00	350.40	382.81	370.98	-
Misc. food and kindred products	209	7.67	7.77	7.97	7.98	-	296.83	297.59	301.27	310.42	-
Tobacco manufactures	21	12.34	11.34	13.48	13.41	\$12.51	457.81	434.32	483.93	485.44	\$480.38
Cigarettes	211	15.01	14.97	15.58	15.84	-	550.87	550.90	549.97	568.66	-
Textile mill products	22	6.72	6.75	6.90	6.98	7.04	270.14	275.40	278.07	290.37	293.57
Weaving mills, cotton	221	7.05	7.11	7.24	7.38	-	284.82	292.22	295.39	315.86	-
Weaving mills, synthetics	222	7.14	7.16	7.38	7.48	-	284.89	289.98	298.89	310.42	-
Weaving and finishing mills, wool	223	7.11	7.06	7.41	7.46	-	280.85	290.17	300.85	307.35	-
Narrow fabric mills	224	6.48	6.45	6.61	6.56	-	257.90	262.52	264.40	267.65	-
Knitting mills	225	6.15	6.18	6.32	6.35	-	237.39	240.40	245.85	252.10	-
Women's hosiery, except socks	2251	6.15	6.13	6.28	6.28	-	244.16	234.78	239.90	243.66	-
Hosiery, nec	2252	5.78	5.83	6.02	6.01	-	215.02	221.54	232.97	232.59	-
Knit outerwear mills	2253	6.07	6.11	6.26	6.33	-	230.66	239.51	232.87	245.60	-
Knit underwear mills	2254	5.65	5.71	5.80	5.85	-	212.44	212.98	229.68	235.76	-
Circular knit fabric mills	2257	6.82	6.81	6.92	6.94	-	266.66	270.36	292.02	293.56	-
Textile finishing, except wool	226	7.12	7.16	7.19	7.38	-	294.77	307.16	289.76	319.55	-
Finishing plants, cotton	2261	7.10	7.10	7.21	7.43	-	300.33	308.85	294.89	323.95	-
Finishing plants, synthetics	2262	7.57	7.61	7.60	7.82	-	307.34	322.66	293.36	333.13	-
Floor covering mills	227	6.94	6.96	7.35	7.29	-	292.87	301.37	298.41	312.01	-
Yarn and thread mills	228	6.31	6.34	6.40	6.53	-	257.45	259.31	267.52	279.48	-
Yarn mills, except wool	2281	6.31	6.34	6.41	6.54	-	260.60	262.48	276.27	287.11	-
Throwing and winding mills	2282	6.25	6.27	6.40	6.51	-	240.63	243.28	241.92	253.89	-
Miscellaneous textile goods	229	7.55	7.57	7.88	7.96	-	319.37	321.73	330.96	336.71	-
Apparel and other textile products	23	5.69	5.75	5.76	5.79	5.87	208.25	210.45	209.09	211.34	214.26
Men's and boys' suits and coats	231	6.57	6.65	6.68	6.65	-	224.04	232.75	241.15	228.10	-
Men's and boys' furnishings	232	5.23	5.27	5.35	5.36	-	194.03	194.99	197.42	198.86	-
Men's and boys' shirts and nightwear	2321	4.97	5.02	5.12	5.11	-	182.40	184.23	188.42	191.11	-
Men's and boys' separate trousers	2327	5.25	5.28	5.31	5.26	-	192.15	193.78	188.51	190.41	-
Men's and boys' work clothing	2328	5.29	5.31	5.42	5.48	-	199.43	197.00	202.17	198.38	-
Women's and misses' outerwear	233	5.55	5.58	5.54	5.60	-	194.81	193.07	191.13	194.32	-
Women's and misses' blouses and waists	2331	5.06	5.17	5.07	5.11	-	174.57	179.40	180.49	183.45	-
Women's and misses' dresses	2335	5.75	5.81	5.89	5.90	-	193.78	196.38	194.96	201.19	-
Women's and misses' suits and coats	2337	6.54	6.51	6.37	6.40	-	230.21	226.55	224.86	225.28	-
Women's and misses' outerwear, nec	2339	5.31	5.33	5.28	5.38	-	191.69	187.08	182.69	185.61	-
Women's and children's undergarments	234	5.29	5.32	5.36	5.36	-	198.38	200.03	196.18	202.61	-
Women's and children's underwear	2341	5.17	5.19	5.22	5.21	-	196.46	197.74	193.14	199.02	-
Brassieres and allied garments	2342	5.91	6.03	6.05	6.12	-	206.85	211.65	209.33	220.93	-
Children's outerwear	236	5.05	5.09	5.11	5.19	-	183.32	185.79	190.09	188.92	-
Children's dresses and blouses	2361	4.85	4.88	4.89	4.99	-	167.33	174.22	176.53	180.14	-
Misc. apparel and accessories	238	5.50	5.52	5.57	5.56	-	206.25	204.79	207.20	210.17	-
Misc. fabricated textile products	239	6.81	6.94	6.95	6.98	-	265.59	276.91	264.80	272.22	-
Curtains and draperies	2391	5.38	5.49	5.64	5.64	-	207.13	215.76	210.37	215.45	-
House furnishings, nec	2392	5.85	5.84	5.92	6.01	-	225.81	230.68	224.37	237.40	-
Automotive and apparel trimmings	2396	10.65	10.93	10.64	10.71	-	433.46	455.78	420.28	428.40	-
Paper and allied products	26	10.86	10.91	11.31	11.18	11.17	465.89	473.49	486.33	482.98	485.90
Paper and pulp mills	261,2,6	13.27	13.35	13.82	13.75	-	589.19	606.09	632.96	618.75	-
Paper mills, except building paper	262	13.38	13.44	13.90	13.86	-	599.42	614.21	639.40	626.47	-
Paperboard mills	263	13.62	13.73	14.21	14.03	-	588.38	602.75	626.66	613.11	-
Misc. converted paper products	264	9.34	9.34	9.68	9.61	-	392.28	394.15	399.78	401.70	-
Paper coating and glazing	2641	10.70	10.80	10.93	10.88	-	460.10	467.64	469.99	467.84	-
Envelopes	2642	8.60	8.60	8.81	8.83	-	357.76	361.20	355.92	371.74	-
Bags, except textile bags	2643	8.88	8.82	9.14	9.03	-	379.18	377.50	379.31	378.36	-
Paperboard containers and boxes	265	9.29	9.32	9.62	9.58	-	392.97	398.90	403.08	411.94	-
Folding paperboard boxes	2651	9.54	9.62	9.88	9.80	-	401.63	404.04	411.01	409.64	-
Corrugated and solid fiber boxes	2653	9.61	9.62	9.91	9.89	-	414.19	424.24	422.17	437.14	-
Sanitary food containers	2654	8.86	8.92	9.26	9.30	-	375.66	374.64	388.92	408.27	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Nondurable goods—Continued											
Printing and publishing	27	38.0	38.2	37.6	38.0	38.3	2.9	3.1	2.6	3.0	-
Newspapers	271	34.0	34.1	33.5	33.7	-	1.7	1.8	1.4	1.7	-
Periodicals	272	38.4	38.9	37.4	38.1	-	2.9	3.8	2.8	3.4	-
Books	273	39.2	40.1	39.8	40.3	-	3.3	3.8	3.4	3.8	-
Book publishing	2731	38.1	38.3	38.6	38.7	-	2.5	2.6	2.5	2.7	-
Book printing	2732	40.8	42.6	41.8	42.8	-	4.5	5.3	4.8	5.5	-
Miscellaneous publishing	274	36.5	36.5	35.5	36.1	-	2.6	2.6	1.6	2.1	-
Commercial printing	275	39.2	39.4	38.9	39.6	-	3.4	3.6	3.0	3.6	-
Commercial printing, letterpress	2751	38.8	39.0	38.5	39.1	-	2.9	3.0	2.5	3.0	-
Commercial printing, lithographic	2752	39.3	39.4	39.0	39.6	-	3.5	3.8	3.1	3.7	-
Manifold business forms	276	41.0	41.2	41.1	40.9	-	3.9	3.9	3.6	3.3	-
Blankbooks and bookbinding	278	38.8	39.3	38.2	38.2	-	2.3	2.9	2.2	2.2	-
Printing trade services	279	39.7	39.0	38.6	38.8	-	4.2	3.8	3.5	4.0	-
Chemicals and allied products	28	41.6	41.8	41.7	41.7	41.8	3.3	3.5	3.8	3.7	-
Industrial inorganic chemicals	281	41.1	41.6	41.9	41.9	-	3.2	3.3	3.7	3.8	-
Industrial inorganic chemicals, nec	2819	41.4	42.0	42.5	42.5	-	3.2	3.2	3.7	3.7	-
Plastics materials and synthetics	282	41.7	42.2	42.2	41.7	-	3.6	3.6	4.2	3.9	-
Plastics materials and resins	2821	42.4	43.2	42.4	42.3	-	4.4	4.5	4.7	4.4	-
Organic fibers, noncellulosic	2824	41.7	41.9	42.4	41.4	-	2.9	2.9	3.9	3.6	-
Drugs	283	40.8	41.0	41.0	41.0	-	2.5	2.8	2.8	3.0	-
Pharmaceutical preparations	2834	40.4	40.7	41.1	41.2	-	2.5	2.8	2.9	3.1	-
Soap, cleaners, and toilet goods	284	41.0	41.2	40.8	41.0	-	3.2	3.5	3.5	3.5	-
Soap and other detergents	2841	44.5	44.4	44.3	44.2	-	5.3	5.2	6.2	5.5	-
Toilet preparations	2844	36.7	39.2	38.5	38.6	-	2.2	3.0	2.3	2.5	-
Polishing, sanitation, and finishing preparations	2842,3	41.6	41.5	41.4	42.3	-	2.6	2.6	2.5	3.3	-
Paints and allied products	285	41.9	41.5	41.6	41.3	-	3.4	3.5	3.4	3.3	-
Industrial organic chemicals	286	43.1	43.0	43.2	43.2	-	4.1	4.1	4.9	4.5	-
Cyclic crudes and intermediates	2865	43.1	42.9	42.4	41.6	-	4.6	4.7	5.1	5.0	-
Gum, wood, and industrial organic chemicals, nec	2861,9	43.1	43.0	43.5	43.7	-	3.9	3.9	4.8	4.3	-
Agricultural chemicals	287	42.1	42.6	41.7	41.2	-	3.7	4.2	4.4	3.7	-
Miscellaneous chemical products	289	42.0	41.8	41.2	41.7	-	3.4	3.6	3.5	3.7	-
Petroleum and coal products	29	43.3	44.1	43.7	44.4	44.4	4.2	4.5	4.5	4.8	-
Petroleum refining	291	43.0	44.0	43.7	44.1	-	3.5	3.8	3.8	3.8	-
Paving and roofing materials	295	45.6	46.0	44.7	46.2	-	7.7	8.0	7.7	8.6	-
Rubber and misc. plastics products	30	40.7	41.1	40.5	41.2	41.4	3.5	3.6	3.5	3.9	-
Tires and inner tubes	301	42.1	42.7	41.9	43.8	-	4.7	4.6	5.1	6.4	-
Rubber and plastics footwear	302	37.8	39.2	37.7	38.6	-	1.2	1.3	.1	2.6	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	42.3	42.9	41.8	43.5	-	4.1	3.7	3.0	4.5	-
Fabricated rubber products, nec	306	40.6	40.9	40.5	41.2	-	2.8	3.1	3.1	3.3	-
Miscellaneous plastics products	307	40.6	40.9	40.3	40.8	-	3.5	3.7	3.4	3.6	-
Leather and leather products	31	37.3	37.6	37.0	36.6	36.5	1.7	1.6	1.3	1.6	-
Leather tanning and finishing	311	40.7	40.7	39.7	39.6	-	3.2	3.4	2.3	2.8	-
Footwear, except rubber	314	36.7	37.1	36.9	35.8	-	1.5	1.4	1.2	1.4	-
Men's footwear, except athletic	3143	35.8	36.1	36.0	35.6	-	1.1	1.0	.5	1.1	-
Women's footwear, except athletic	3144	37.3	37.8	38.1	36.4	-	1.9	1.6	2.1	1.8	-
Luggage	316	38.7	38.1	34.9	38.1	-	2.0	2.2	1.7	1.6	-
Handbags and personal leather goods	317	38.2	38.2	36.1	37.6	-	1.8	1.7	1.0	1.7	-
Transportation and public utilities		39.8	39.7	39.4	39.3	39.1	-	-	-	-	-
Railroad transportation:											
Class I railroads ³	4011	44.3	44.4	45.1	43.9	-	-	-	-	-	-
Local and interurban passenger transit	41	36.3	33.8	36.1	36.7	-	-	-	-	-	-
Local and suburban transportation	411	38.2	38.2	37.9	38.4	-	-	-	-	-	-
Intercity highway transportation	413	38.6	37.3	39.3	39.5	-	-	-	-	-	-
Trucking and warehousing	42	39.0	38.8	38.5	38.8	-	-	-	-	-	-
Trucking and trucking terminals	421,3	39.0	38.7	38.5	38.8	-	-	-	-	-	-
Public warehousing	422	39.1	40.0	38.3	39.1	-	-	-	-	-	-
Pipe lines, except natural gas	46	41.3	41.1	40.9	41.2	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Nondurable goods—Continued											
Printing and publishing	27	\$9.76	\$9.81	\$9.96	\$10.00	\$10.10	\$370.88	\$374.74	\$374.50	\$380.00	\$386.83
Newspapers	271	9.67	9.73	10.05	9.97	-	328.78	331.79	336.68	335.99	-
Periodicals	272	10.13	10.37	10.74	10.71	-	388.99	403.39	401.68	408.05	-
Books	273	8.89	8.95	8.81	9.06	-	348.49	358.90	350.64	365.12	-
Book publishing	2731	8.32	8.47	8.19	8.42	-	316.99	324.40	316.13	325.85	-
Book printing	2732	9.62	9.52	9.74	10.00	-	392.50	405.55	407.13	428.00	-
Miscellaneous publishing	274	9.01	9.00	9.11	9.05	-	328.87	328.50	323.41	326.71	-
Commercial printing	275	10.14	10.18	10.24	10.33	-	397.49	401.09	398.34	409.07	-
Commercial printing, letterpress	2751	9.77	9.74	9.77	9.88	-	379.08	379.86	376.15	386.31	-
Commercial printing, lithographic	2752	10.26	10.31	10.42	10.49	-	403.22	406.21	406.38	415.40	-
Manifold business forms	276	10.01	10.02	10.43	10.40	-	410.41	412.82	428.67	425.36	-
Blankbooks and bookbinding	278	7.57	7.68	7.82	7.84	-	293.72	301.82	298.72	299.49	-
Printing trade services	279	11.60	11.66	12.00	12.10	-	460.52	454.74	463.20	469.48	-
Chemicals and allied products	28	11.60	11.65	12.04	11.98	12.03	482.56	486.97	502.07	499.57	502.85
Industrial inorganic chemicals	281	12.90	12.95	13.25	13.18	-	530.19	538.72	555.18	552.24	-
Industrial inorganic chemicals, nec	2819	12.92	12.96	13.32	13.29	-	534.89	544.32	566.10	564.83	-
Plastics materials and synthetics	282	11.79	11.78	12.19	12.09	-	491.64	497.12	514.42	504.15	-
Plastics materials and resins	2821	12.81	12.81	13.32	13.14	-	543.14	553.39	564.77	555.82	-
Organic fibers, noncellulosic	2824	11.39	11.38	11.83	11.75	-	474.96	476.82	501.59	486.45	-
Drugs	283	10.78	10.81	11.18	11.24	-	439.82	443.21	458.38	460.84	-
Pharmaceutical preparations	2834	10.55	10.53	10.87	10.97	-	426.22	428.57	446.76	451.96	-
Soap, cleaners, and toilet goods	284	10.28	10.32	10.72	10.63	-	421.48	425.18	437.38	435.83	-
Soap and other detergents	2841	13.28	13.40	13.89	13.80	-	590.96	594.96	615.33	609.96	-
Toilet preparations	2844	8.55	8.67	8.92	8.92	-	330.89	339.86	343.42	344.31	-
Polishing, sanitation, and finishing preparations	2842,3	9.78	9.73	9.94	10.12	-	406.85	403.80	411.52	428.08	-
Paints and allied products	285	10.04	10.08	10.32	10.40	-	420.68	418.32	429.31	429.52	-
Industrial organic chemicals	286	14.02	14.09	14.52	14.37	-	604.26	605.87	627.26	620.78	-
Cyclic crudes and intermediates	2865	13.63	13.56	14.43	14.18	-	587.45	581.72	611.83	589.89	-
Gum, wood, and industrial organic chemicals, nec	2861,9	14.15	14.26	14.55	14.43	-	609.87	613.18	632.93	630.59	-
Agricultural chemicals	287	11.21	11.42	11.65	11.62	-	471.94	486.49	485.81	478.74	-
Miscellaneous chemical products	289	10.70	10.75	11.22	11.13	-	449.40	449.35	462.26	464.12	-
Petroleum and coal products	29	14.02	14.09	14.16	14.08	14.50	607.07	621.37	618.79	625.15	643.80
Petroleum refining	291	15.24	15.33	15.36	15.19	-	655.32	674.52	671.23	669.88	-
Paving and roofing materials	295	10.78	10.91	10.99	11.23	-	491.57	501.86	491.25	518.83	-
Rubber and misc. plastics products	30	8.52	8.56	8.82	8.81	8.81	346.76	351.82	357.21	362.97	364.73
Tires and inner tubes	301	13.43	13.27	13.91	13.92	-	565.40	566.63	582.83	609.70	-
Rubber and plastics footwear	302	5.82	5.98	6.19	5.96	-	220.00	234.42	233.36	230.06	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	8.37	8.41	8.69	8.80	-	354.05	360.79	363.24	382.80	-
Fabricated rubber products, nec	306	8.36	8.41	8.61	8.58	-	339.42	343.97	348.71	353.50	-
Miscellaneous plastics products	307	7.90	7.96	8.17	8.16	-	320.74	325.56	329.25	332.93	-
Leather and leather products	31	5.81	5.83	5.89	5.89	5.94	216.71	219.21	217.93	215.57	216.81
Leather tanning and finishing	311	7.62	7.59	7.59	7.68	-	310.13	308.91	301.32	304.52	-
Footwear, except rubber	314	5.52	5.56	5.59	5.60	-	202.58	206.28	206.27	200.48	-
Men's footwear, except athletic	3143	5.90	5.89	6.01	5.97	-	211.22	212.63	216.36	212.53	-
Women's footwear, except athletic	3144	5.30	5.32	5.27	5.31	-	197.69	201.10	200.79	193.28	-
Luggage	316	6.46	6.49	5.97	6.20	-	250.00	247.27	208.35	236.22	-
Handbags and personal leather goods	317	5.60	5.59	5.85	5.78	-	213.92	213.54	211.19	217.33	-
Transportation and public utilities		11.42	11.54	11.61	11.58	11.67	454.52	458.14	457.43	455.09	456.30
Railroad transportation:											
Class I railroads ³	4011	13.60	13.73	13.82	13.84	-	602.48	609.61	623.28	607.58	-
Local and interurban passenger transit	41	7.88	7.71	8.28	8.25	-	286.04	260.60	298.91	302.78	-
Local and suburban transportation	411	8.19	8.24	8.51	8.49	-	312.86	314.77	322.53	326.02	-
Intercity highway transportation	413	11.17	10.96	11.94	11.83	-	431.16	408.81	469.24	467.29	-
Trucking and warehousing	42	10.42	10.55	10.64	10.64	-	406.38	409.34	409.64	412.83	-
Trucking and trucking terminals	421,3	10.58	10.73	10.79	10.82	-	412.62	415.25	415.42	419.82	-
Public warehousing	422	8.18	8.08	8.34	8.20	-	319.84	323.20	319.42	320.62	-
Pipe lines, except natural gas	46	14.89	15.35	14.85	15.06	-	614.96	630.89	607.37	620.47	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^o	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^o	Sept. 1986 ^p
Transportation and public utilities—Continued											
Communication	48	40.5	40.8	40.4	39.8	-	-	-	-	-	-
Telephone communication	481	41.5	41.9	41.8	41.0	-	-	-	-	-	-
Radio and television broadcasting	483	37.1	37.3	37.2	37.2	-	-	-	-	-	-
Electric, gas, and sanitary services	49	41.8	42.0	41.9	41.7	-	-	-	-	-	-
Electric services	491	42.0	42.4	42.1	41.8	-	-	-	-	-	-
Gas production and distribution	492	40.5	40.6	41.2	40.6	-	-	-	-	-	-
Combination utility services	493	42.3	42.1	41.9	42.2	-	-	-	-	-	-
Sanitary services	495	42.6	43.2	42.4	42.4	-	-	-	-	-	-
Wholesale trade		38.5	38.5	38.5	38.4	38.4	-	-	-	-	-
Durable goods	50	39.0	38.9	38.9	38.9	-	-	-	-	-	-
Motor vehicles and automotive equipment	501	38.6	38.2	38.5	38.4	-	-	-	-	-	-
Furniture and home furnishings	502	37.9	37.7	36.6	36.9	-	-	-	-	-	-
Lumber and construction materials	503	39.8	39.6	40.0	40.1	-	-	-	-	-	-
Sporting goods, toys, and hobby goods	504	37.6	37.6	36.4	36.5	-	-	-	-	-	-
Metals and minerals, except petroleum	505	40.0	39.8	40.0	40.1	-	-	-	-	-	-
Electrical goods	506	38.7	38.7	38.6	38.6	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	38.8	38.7	38.6	38.7	-	-	-	-	-	-
Machinery, equipment, and supplies	508	39.4	39.4	39.4	39.4	-	-	-	-	-	-
Miscellaneous durable goods	509	37.8	37.5	37.2	37.5	-	-	-	-	-	-
Nondurable goods	51	37.8	37.8	38.0	37.8	-	-	-	-	-	-
Paper and paper products	511	38.5	38.3	37.3	37.7	-	-	-	-	-	-
Drugs, proprietaries, and sundries	512	37.3	37.6	37.5	37.3	-	-	-	-	-	-
Apparel, piece goods, and notions	513	36.5	36.0	36.3	36.7	-	-	-	-	-	-
Groceries and related products	514	38.2	38.1	38.7	38.2	-	-	-	-	-	-
Chemicals and allied products	516	39.3	39.2	39.9	40.0	-	-	-	-	-	-
Petroleum and petroleum products	517	39.7	39.4	39.6	39.1	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	36.3	36.2	36.8	36.8	-	-	-	-	-	-
Miscellaneous nondurable goods	519	37.3	37.4	37.4	37.3	-	-	-	-	-	-
Retail trade		30.1	29.4	29.9	30.0	29.2	-	-	-	-	-
Building materials and garden supplies	52	36.9	36.6	37.0	37.2	-	-	-	-	-	-
Lumber and other building materials	521	38.8	38.6	38.9	39.4	-	-	-	-	-	-
Hardware stores	525	33.5	33.1	33.5	33.4	-	-	-	-	-	-
General merchandise stores	53	29.3	28.7	29.5	29.2	-	-	-	-	-	-
Department stores	531	29.1	28.5	29.4	29.0	-	-	-	-	-	-
Variety stores	533	30.0	29.6	30.0	30.0	-	-	-	-	-	-
Misc. general merchandise stores	539	30.3	29.8	30.2	30.6	-	-	-	-	-	-
Food stores	54	31.0	30.3	31.1	30.8	-	-	-	-	-	-
Grocery stores	541	31.2	30.6	31.4	31.1	-	-	-	-	-	-
Retail bakeries	546	28.9	29.0	29.3	28.9	-	-	-	-	-	-
Automotive dealers and service stations	55	37.1	36.7	36.9	37.0	-	-	-	-	-	-
New and used car dealers	551,2	37.8	37.7	37.5	37.6	-	-	-	-	-	-
Auto and home supply stores	553	40.3	39.9	39.9	39.8	-	-	-	-	-	-
Gasoline service stations	554	34.7	33.9	34.6	34.8	-	-	-	-	-	-
Apparel and accessory stores	56	28.0	27.1	27.3	27.6	-	-	-	-	-	-
Men's and boys' clothing and furnishings	561	30.8	29.2	30.8	30.8	-	-	-	-	-	-
Women's ready-to-wear stores	562	26.6	26.1	26.1	26.0	-	-	-	-	-	-
Family clothing stores	565	28.5	27.4	27.1	27.6	-	-	-	-	-	-
Shoe stores	566	28.4	26.9	28.2	28.9	-	-	-	-	-	-
Furniture and home furnishings stores	57	34.1	33.6	33.2	33.6	-	-	-	-	-	-
Furniture and home furnishings stores	571	34.3	33.7	33.1	33.3	-	-	-	-	-	-
Household appliance stores	572	35.0	34.4	34.2	34.8	-	-	-	-	-	-
Radio, television, and music stores	573	33.4	33.0	33.1	33.4	-	-	-	-	-	-
Eating and drinking places ⁴	58	26.6	25.7	26.4	26.6	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ²	Sept. 1986 ²	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ²	Sept. 1986 ²
Transportation and public utilities—Continued											
Communication	48	\$11.90	\$12.03	\$12.08	\$11.94	-	\$481.95	\$490.82	\$488.03	\$475.21	-
Telephone communication	481	12.70	12.81	12.80	12.69	-	527.05	536.74	535.04	520.29	-
Radio and television broadcasting	483	10.32	10.55	10.90	10.71	-	382.87	393.52	405.48	398.41	-
Electric, gas, and sanitary services	49	12.73	13.02	13.31	13.32	-	532.11	546.84	557.69	555.44	-
Electric services	491	12.88	13.09	13.45	13.50	-	540.96	555.02	566.25	564.30	-
Gas production and distribution	492	11.62	12.03	12.39	12.38	-	470.61	488.42	510.47	502.63	-
Combination utility services	493	14.84	15.28	15.47	15.40	-	627.73	643.29	648.19	649.88	-
Sanitary services	495	9.31	9.42	9.69	9.76	-	396.61	406.94	410.86	413.82	-
Wholesale trade		9.12	9.22	9.30	9.31	\$9.35	351.12	354.97	358.05	357.50	\$359.04
Durable goods	50	9.22	9.34	9.43	9.45	-	359.58	363.33	366.83	367.61	-
Motor vehicles and automotive equipment	501	8.22	8.32	8.41	8.39	-	317.29	317.82	323.79	322.18	-
Furniture and home furnishings	502	8.23	8.36	8.56	8.59	-	311.92	315.17	313.30	316.97	-
Lumber and construction materials	503	8.66	8.79	8.89	8.97	-	344.67	348.08	355.60	359.70	-
Sporting goods, toys, and hobby goods	504	9.58	9.59	9.79	9.77	-	360.21	360.58	356.36	356.61	-
Metals and minerals, except petroleum	505	10.02	10.12	10.15	10.12	-	400.80	402.78	406.00	405.81	-
Electrical goods	506	9.59	9.80	9.70	9.76	-	371.13	379.26	374.42	376.74	-
Hardware, plumbing, and heating equipment	507	8.66	8.77	8.98	9.04	-	336.01	339.40	346.63	349.85	-
Machinery, equipment, and supplies	508	9.77	9.89	10.03	10.05	-	384.94	389.67	395.18	395.97	-
Miscellaneous durable goods	509	7.53	7.57	7.55	7.51	-	284.63	283.88	280.86	281.63	-
Nondurable goods	51	8.99	9.05	9.11	9.09	-	339.82	342.09	346.18	343.60	-
Paper and paper products	511	9.85	9.87	9.79	9.80	-	379.23	378.02	365.17	369.46	-
Drugs, proprietaries, and sundries	512	10.06	10.31	10.37	10.56	-	375.24	387.66	388.88	393.89	-
Apparel, piece goods, and notions	513	8.56	8.70	8.78	8.76	-	312.44	313.20	318.71	321.49	-
Groceries and related products	514	9.16	9.26	9.15	9.07	-	349.91	352.81	354.11	346.47	-
Chemicals and allied products	516	10.89	11.08	11.40	11.46	-	427.98	434.34	454.86	458.40	-
Petroleum and petroleum products	517	9.59	9.64	9.57	9.64	-	380.72	379.82	378.97	376.92	-
Beer, wine, and distilled beverages	518	10.86	10.86	11.04	10.95	-	394.22	393.13	406.27	402.96	-
Miscellaneous nondurable goods	519	7.25	7.36	7.44	7.52	-	270.43	275.26	278.26	280.50	-
Retail trade		5.88	5.98	5.97	5.95	6.04	176.99	175.81	178.50	178.50	176.37
Building materials and garden supplies	52	6.61	6.70	6.75	6.77	-	243.91	245.22	249.75	251.84	-
Lumber and other building materials	521	6.92	7.01	7.08	7.08	-	268.50	270.59	275.41	278.95	-
Hardware stores	525	5.66	5.73	5.73	5.75	-	189.61	189.66	191.96	192.05	-
General merchandise stores	53	5.92	6.03	6.34	6.29	-	173.46	173.06	187.03	183.67	-
Department stores	531	6.16	6.28	6.61	6.58	-	179.26	178.98	194.33	190.82	-
Variety stores	533	4.56	4.57	4.77	4.69	-	136.80	135.27	143.10	140.70	-
Misc. general merchandise stores	539	4.80	4.88	4.89	4.84	-	145.44	145.42	147.68	148.10	-
Food stores	54	7.23	7.30	6.95	6.89	-	224.13	221.19	216.15	212.21	-
Grocery stores	541	7.45	7.51	7.13	7.06	-	232.44	229.81	223.88	219.57	-
Retail bakeries	546	5.35	5.46	5.46	5.46	-	154.62	158.34	159.98	157.79	-
Automotive dealers and service stations	55	7.41	7.60	7.57	7.62	-	274.91	278.92	279.33	281.94	-
New and used car dealers	551.2	9.11	9.43	9.32	9.41	-	344.36	355.51	349.50	353.82	-
Auto and home supply stores	553	6.42	6.43	6.46	6.49	-	258.73	256.56	257.75	258.30	-
Gasoline service stations	554	5.25	5.28	5.42	5.43	-	182.18	178.99	187.53	188.96	-
Apparel and accessory stores	56	5.15	5.27	5.32	5.28	-	144.20	142.82	145.24	145.73	-
Men's and boys' clothing and furnishings	561	6.19	6.19	6.31	6.20	-	190.65	180.75	194.35	190.96	-
Women's ready-to-wear stores	562	4.90	5.04	5.00	5.00	-	130.34	131.54	130.50	130.00	-
Family clothing stores	565	5.03	5.26	5.29	5.20	-	143.36	144.12	143.36	143.52	-
Shoe stores	566	5.17	5.29	5.34	5.27	-	146.83	142.30	150.59	152.30	-
Furniture and home furnishings stores	57	7.15	7.17	7.32	7.31	-	243.82	240.91	243.02	245.62	-
Furniture and home furnishings stores	571	7.20	7.23	7.29	7.30	-	246.96	243.65	241.30	243.09	-
Household appliance stores	572	7.49	7.54	7.34	7.33	-	262.15	259.38	251.03	255.08	-
Radio, television, and music stores	573	6.92	6.94	7.38	7.31	-	231.13	229.02	244.28	244.15	-
Eating and drinking places ⁴	58	4.31	4.34	4.32	4.32	-	114.65	111.54	114.05	114.91	-

See footnotes at end of table.

A Note on Average Hourly Earnings in Aircraft Manufacturing

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

As a service to aircraft companies and other interested parties, BLS has calculated an average hourly earnings series for SIC 3721 which includes lump-sum payments. This series is presented in table C-2a along with the average hourly earnings series produced as part of the Current Employment Statistics program. The series begins in October 1983, the effective date of the first aircraft bargaining agreement using lump-sum payments.

The general practice in the industry has been to make this payment at the beginning of the contract year "in lieu of a wage increase" and to base the amount of the payment on the workers' earnings during the preceding year. As a result, the Bureau considered three approaches to the method for calculating an average hourly earnings series which includes lump-sum payments:

1. The entire payment could be included in the month in which the payment was made.
2. The payments could be prorated backward to payroll periods used to determine the amount of the lump-sum payment.
3. The payments could be prorated forward as an advance

payment for payroll periods in the year following the payment.

The first approach, attractive because it includes the payment in the month in which it is received by the worker, creates 1-month "spikes" and a series which would not be useful for escalation purposes. The second approach, which prorates the payments backward, places emphasis on the determination of the amount of the payment from workers' earnings in the previous year. This approach generally relates the payments to the workers who receive them. However, the Bureau has received statements from both union and company officials who negotiated the agreements covering a majority of the workers in the industry. These statements make clear that the intent of the bargainers was to make an advance payment for the upcoming contract year in lieu of an increase in wage rates for that following year.

Because BLS has a longstanding policy of leaving the interpretation of collective bargaining agreements to the parties involved, the Bureau calculated the inclusion of lump-sum payments using the third method, prorating the payments forward through the years covered by the contract. Because the payments prorated forward under this approach may include payments to workers no longer on the payroll, data provided by the aircraft companies have been used to adjust for this difference.

Lump-sum payments are but one of several recent changes in the way that employees are compensated. The changes are widespread and they differ by industry. Because of these developments, the Bureau plans to conduct a broad-based review of all concepts and definitions used in its earnings and wage programs to determine the proper treatment of lump-sum payments and other new compensation practices.

C-2a. Average hourly earnings in aircraft manufacturing (SIC 3721)

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Average hourly earnings, excluding lump-sum payments													
1983											\$12.76	\$12.83	\$12.93
1984	\$12.91	\$12.82	\$12.88	\$12.85	\$12.81	\$12.78	\$12.87	\$12.89	\$12.87	\$12.97	13.04	13.05	13.13
1985	13.18	13.01	13.12	13.11	13.04	13.06	13.11	13.05	13.16	13.26	13.35	13.37	13.48
1986		13.38	13.44	13.46	13.46	13.38	13.42	13.41	^P 13.43				
Average hourly earnings, including lump-sum payments													
1983											\$12.83	\$12.92	\$13.03
1984	\$13.11	\$12.95	\$13.02	\$13.02	\$12.98	\$12.97	\$13.06	\$13.11	\$13.09	\$13.19	13.26	13.28	13.37
1985	13.40	13.26	13.36	13.33	13.26	13.27	13.33	13.29	13.39	13.48	13.54	13.57	13.68
1986		13.58	13.64	13.66	13.66	13.58	13.63	13.61	^P 13.63				

^P = preliminary.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

C-3. Average hourly earnings, excluding overtime¹ of production workers on manufacturing payrolls

Industry	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Manufacturing	\$9.12	\$9.16	\$9.35	\$9.27	\$9.32
Durable goods	9.65	9.72	9.87	9.80	9.85
Lumber and wood products	7.92	7.98	8.01	8.01	(¹)
Furniture and fixtures	6.99	7.03	7.23	7.21	(¹)
Stone, clay, and glass products	9.30	9.33	9.47	9.47	(¹)
Primary metal industries	11.12	11.17	11.50	11.28	(¹)
Fabricated metal products	9.25	9.31	9.47	9.41	(¹)
Machinery, except electrical	9.88	9.96	10.18	10.15	(¹)
Electrical and electronic equipment	9.21	9.23	9.38	9.35	(¹)
Transportation equipment	12.02	12.11	12.18	12.14	(¹)
Instruments and related products	8.93	8.95	9.21	9.26	(¹)
Miscellaneous manufacturing	7.08	7.09	7.41	7.32	(¹)
Nonurable goods	8.36	8.36	8.63	8.54	\$8.59
Food and kindred products	8.06	8.06	8.33	8.18	(¹)
Tobacco manufactures	12.14	11.10	13.37	13.28	(¹)
Textile mill products	6.45	6.45	6.59	6.63	(¹)
Apparel and other textile products	5.58	5.63	5.66	5.67	(¹)
Paper and allied products	10.30	10.31	10.68	10.57	(¹)
Printing and publishing	9.39	9.42	9.62	9.62	(¹)
Chemicals and allied products	11.16	11.18	11.52	11.47	(¹)
Petroleum and coal products	13.37	13.40	13.47	13.35	(¹)
Rubber and misc. plastics products	8.17	8.20	8.46	8.42	(¹)
Leather and leather products	5.68	5.70	5.79	5.77	(¹)

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

² Not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 forward are subject to revision.

C-4. Average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls by major industry, in current and constant (1977) dollars.

Industry	Average hourly earnings					Average weekly earnings				
	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p	Aug. 1985	Sept. 1985	July 1986	Aug. 1986 ^p	Sept. 1986 ^p
Total private:										
Current dollars	\$8.52	\$8.67	\$8.69	\$8.69	\$8.81	\$299.90	\$303.45	\$304.15	\$305.02	\$307.47
Constant (1977) dollars	4.84	4.91	4.89	4.88	(¹)	170.30	171.83	170.97	171.17	(¹)
Mining:										
Current dollars	11.99	12.05	12.46	12.45	\$12.49	519.17	526.59	518.34	527.88	\$533.32
Constant (1977) dollars	6.81	6.82	7.01	6.99	(¹)	294.82	298.18	291.37	296.23	(¹)
Construction:										
Current dollars	12.28	12.46	12.31	12.40	\$12.55	471.55	479.71	471.47	474.92	\$485.69
Constant (1977) dollars	6.97	7.06	6.92	6.96	(¹)	267.77	271.64	265.02	266.51	(¹)
Manufacturing:										
Current dollars	9.49	9.57	9.74	9.67	\$9.75	384.35	390.46	391.55	393.57	\$399.75
Constant (1977) dollars	5.39	5.42	5.47	5.43	(¹)	218.26	221.10	220.10	220.86	(¹)
Transportation and public utilities:										
Current dollars	11.42	11.54	11.61	11.58	\$11.67	454.52	458.14	457.43	455.09	\$456.30
Constant (1977) dollars	6.48	6.53	6.53	6.50	(¹)	258.10	259.42	257.13	255.38	(¹)
Wholesale trade:										
Current dollars	9.12	9.22	9.30	9.31	\$9.35	351.12	354.97	358.05	357.50	\$359.04
Constant (1977) dollars	5.18	5.22	5.23	5.22	(¹)	199.39	201.00	201.26	200.62	(¹)
Retail trade:										
Current dollars	5.88	5.98	5.97	5.95	\$6.04	176.99	175.81	178.50	178.50	\$176.37
Constant (1977) dollars	3.34	3.39	3.36	3.34	(¹)	100.51	99.55	100.34	100.17	(¹)
Finance, insurance, and real estate:										
Current dollars	7.91	8.04	8.30	8.34	\$8.41	287.13	293.46	302.95	306.08	\$306.97
Constant (1977) dollars	4.49	4.55	4.67	4.68	(¹)	163.05	166.17	170.29	171.76	(¹)
Services:										
Current dollars	7.82	7.99	8.04	8.04	\$8.20	256.50	258.88	263.71	263.71	\$265.68
Constant (1977) dollars	4.44	4.52	4.52	4.51	(¹)	145.66	146.59	148.23	147.99	(¹)

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

² Not available.

^p = preliminary.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate the earnings series. Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced all unadjusted data from April 1985 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

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

Industry	1985				1986								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^P	Sept. ^P
Total private	34.9	34.9	34.8	34.9	35.0	34.9	34.9	34.8	34.8	34.7	34.7	34.8	34.7
Mining	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Construction	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Manufacturing	40.7	40.7	40.7	40.9	40.8	40.7	40.7	40.7	40.7	40.6	40.6	40.8	40.8
<i>Overtime hours</i>	3.3	3.4	3.4	3.6	3.5	3.4	3.4	3.4	3.4	3.3	3.4	3.5	3.5
Durable goods	41.3	41.3	41.3	41.6	41.5	41.4	41.4	41.3	41.2	41.2	41.1	41.4	41.5
<i>Overtime hours</i>	3.5	3.5	3.6	3.7	3.6	3.5	3.6	3.6	3.4	3.5	3.5	3.5	3.6
Lumber and wood products	40.1	40.2	39.9	40.2	40.4	40.0	40.2	40.3	40.3	39.9	40.1	40.2	40.3
Furniture and fixtures	39.4	39.5	39.4	39.9	40.0	39.7	39.4	39.1	39.4	39.4	39.4	39.9	40.1
Stone, clay, and glass products	42.0	42.1	41.8	41.8	42.7	41.9	41.9	42.4	42.3	42.2	42.2	42.5	42.5
Primary metal industries	41.5	41.8	41.9	42.1	41.9	42.1	41.9	41.3	41.7	41.6	41.3	41.9	42.2
Blast furnaces and basic steel products ..	41.1	41.6	41.9	41.9	41.7	41.8	41.7	40.5	41.5	41.1	41.2	41.7	42.6
Fabricated metal products	41.5	41.5	41.5	41.6	41.5	41.5	41.4	41.2	41.1	41.1	41.1	41.3	41.5
Machinery, except electrical	41.6	41.5	41.6	41.7	41.6	41.6	41.6	41.8	41.8	41.7	41.4	41.6	41.8
Electrical and electronic equipment	40.5	40.6	40.9	41.1	41.0	40.9	41.0	41.1	41.0	41.0	41.1	41.2	41.2
Transportation equipment	42.9	42.8	42.7	43.0	42.8	42.7	42.7	42.1	41.9	42.2	42.1	42.8	42.3
Motor vehicles and equipment	43.6	43.7	43.6	44.0	43.6	43.4	43.3	41.9	41.8	42.4	42.4	43.0	42.4
Instruments and related products	40.9	40.9	41.0	41.6	41.1	41.2	41.3	41.3	40.9	41.0	40.8	40.9	40.7
Miscellaneous manufacturing	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Nondurable goods	39.8	39.8	39.8	40.0	39.9	39.7	39.8	39.9	39.9	39.8	39.8	39.9	39.9
<i>Overtime hours</i>	3.1	3.2	3.2	3.4	3.3	3.2	3.2	3.3	3.4	3.2	3.4	3.4	3.3
Food and kindred products	40.1	40.2	40.0	40.1	40.1	39.8	39.9	40.2	40.2	40.0	40.0	40.2	39.9
Tobacco manufactures	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Textile mill products	40.5	40.7	40.8	41.0	40.8	40.6	40.7	41.3	41.1	40.8	40.9	41.4	41.4
Apparel and other textile products	36.6	36.6	36.8	36.8	36.7	36.3	36.5	36.9	36.5	36.5	36.6	36.4	36.5
Paper and allied products	43.1	43.2	43.3	43.5	43.6	43.5	43.5	43.0	43.2	43.1	43.2	43.4	43.2
Printing and publishing	37.9	37.9	37.9	38.1	38.0	38.0	38.0	38.0	38.0	37.8	37.9	37.9	38.0
Chemicals and allied products	41.7	41.8	41.9	42.0	41.9	41.8	41.9	41.9	42.0	41.9	41.9	42.0	41.8
Petroleum and coal products	43.3	44.2	43.2	43.6	43.5	43.7	43.8	43.6	43.4	44.0	43.5	44.4	43.7
Rubber and misc. plastics products	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Leather and leather products	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Transportation and public utilities	39.5	39.5	39.4	39.5	39.4	39.5	39.6	39.2	39.2	39.1	39.2	39.0	38.9
Wholesale trade	38.4	38.4	38.4	38.4	38.5	38.4	38.5	38.5	38.4	38.3	38.3	38.3	38.3
Retail trade	29.4	29.3	29.3	29.2	29.3	29.3	29.3	29.2	29.2	29.1	29.2	29.3	29.2
Finance, insurance, and real estate	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Services	32.4	32.5	32.4	32.5	32.6	32.6	32.5	32.5	32.5	32.4	32.4	32.4	32.4

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

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

components and consequently cannot be separated with sufficient precision.
^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

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

(1977=100)

Industry	1985				1986								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^P	Sept. ^P
Total private	115.9	116.3	116.4	116.8	117.8	117.5	117.4	117.8	117.7	117.3	117.9	118.4	118.4
Goods-producing	98.6	99.0	98.9	99.3	100.6	98.8	98.5	99.4	98.8	98.0	98.1	98.8	98.7
Mining	104.9	104.2	103.4	102.8	104.5	99.3	95.0	90.2	85.3	83.4	83.7	83.3	81.9
Construction	126.8	127.7	126.2	126.4	134.1	126.3	126.6	133.7	132.6	130.3	132.2	133.6	134.7
Manufacturing	92.9	93.2	93.3	94.0	93.9	93.5	93.3	93.2	92.9	92.4	92.2	92.8	92.5
Durable goods	91.8	92.2	92.2	92.7	92.6	92.1	91.7	91.5	91.0	90.3	89.9	90.6	90.3
Lumber and wood products	96.4	97.1	96.7	97.8	99.1	98.1	98.6	99.3	99.3	98.5	98.7	99.9	100.8
Furniture and fixtures	103.6	104.2	104.2	105.5	105.7	104.9	104.4	103.6	104.9	104.9	105.2	107.1	106.8
Stone, clay, and glass products	86.3	86.7	86.3	86.5	89.1	87.4	87.4	89.2	88.8	88.2	87.9	88.3	88.5
Primary metal industries	65.6	66.2	66.9	67.6	66.7	66.8	65.6	64.7	64.8	62.7	61.8	60.7	61.2
Blast furnaces and basic steel products	52.2	53.3	55.6	56.3	53.4	55.1	53.6	51.8	52.6	51.6	51.7	47.4	53.2
Fabricated metal products	91.2	91.3	91.1	91.2	91.0	90.6	90.2	90.1	89.4	88.9	88.1	88.8	89.5
Machinery, except electrical	90.8	90.6	90.4	90.3	90.2	89.6	89.3	89.4	88.9	88.3	87.0	87.5	86.1
Electrical and electronic equipment	103.4	103.7	104.2	104.4	103.8	103.2	102.9	103.0	102.8	100.6	102.7	103.2	103.0
Transportation equipment	97.3	98.2	98.1	99.0	98.2	97.9	97.1	95.6	94.2	94.9	93.9	95.8	94.5
Motor vehicles and equipment	89.9	91.9	91.0	92.8	92.1	89.4	88.4	85.3	83.4	84.5	82.5	83.8	82.7
Instruments and related products	104.5	104.2	104.5	106.3	105.3	105.8	106.1	106.1	104.5	104.5	103.5	104.5	103.7
Miscellaneous manufacturing	80.1	80.3	80.4	81.3	82.4	82.4	81.8	81.6	81.2	81.7	80.1	80.3	79.9
Nondurable goods	94.5	94.8	95.1	95.8	95.9	95.5	95.7	95.8	95.7	95.6	95.7	96.1	95.8
Food and kindred products	96.9	97.3	97.0	98.2	98.2	98.2	98.4	99.1	99.5	99.9	99.8	100.4	100.0
Tobacco manufactures	84.9	85.0	78.3	84.5	85.2	82.8	85.4	81.6	82.1	79.5	81.5	72.2	73.0
Textile mill products	76.2	76.7	77.2	77.7	77.6	77.3	77.8	78.4	78.4	77.9	78.5	79.6	79.3
Apparel and other textile products	86.0	86.1	86.7	87.2	87.3	85.5	85.4	86.6	85.2	84.8	85.3	84.6	84.4
Paper and allied products	100.1	100.5	101.4	101.8	102.3	102.0	102.0	101.0	101.7	101.7	101.5	101.4	101.5
Printing and publishing	124.1	124.2	125.0	126.3	126.4	127.0	127.4	127.8	127.8	127.6	128.7	128.3	128.1
Chemicals and allied products	93.7	93.8	93.7	93.9	93.4	93.3	93.4	93.2	92.9	93.2	93.2	93.8	93.3
Petroleum and coal products	80.3	81.9	80.9	80.8	80.6	81.0	80.4	80.1	79.7	80.8	79.1	82.3	81.0
Rubber and misc. plastics products	109.0	109.7	110.7	111.6	112.4	112.1	112.7	111.8	111.8	111.7	110.5	112.7	113.2
Leather and leather products	63.9	64.1	63.3	63.3	62.6	61.3	60.9	58.5	57.5	56.8	56.4	56.7	56.1
Service-producing	125.4	125.8	126.0	126.5	127.3	127.8	127.8	127.9	128.2	128.0	128.9	129.2	129.3
Transportation and public utilities	107.5	107.7	107.7	108.1	107.9	108.0	108.2	106.8	106.8	104.3	106.7	105.4	105.9
Wholesale trade	118.5	118.9	118.9	119.1	119.9	119.8	120.1	120.6	120.2	119.0	119.4	119.8	119.7
Retail trade	116.4	116.5	116.8	116.5	117.8	118.3	118.4	118.1	118.5	118.4	119.1	119.7	119.6
Finance, insurance, and real estate	131.4	131.2	131.9	133.5	133.3	135.4	135.6	135.4	135.8	137.6	137.8	139.5	139.0
Services	140.1	141.2	141.4	142.3	143.2	143.7	143.5	144.2	144.8	145.2	145.9	146.3	146.5

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

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
SEASONALLY ADJUSTED**

C-7. The Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1985				1986								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^P	Sept. ^P
Hourly Earnings Index ² (1977 = 100)													
Total private (in current dollars)	166.4	166.2	166.8	167.7	167.3	168.2	168.5	168.4	168.7	169.2	168.9	169.2	169.7
Mining	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Construction	150.7	150.4	150.3	151.2	149.7	149.7	149.2	150.6	151.0	151.4	150.8	151.4	151.5
Manufacturing	169.5	169.7	170.2	171.0	170.7	171.3	171.8	172.0	172.5	172.5	172.7	173.0	173.0
Transportation and public utilities	167.9	167.4	168.5	169.1	168.6	169.6	170.2	169.3	170.1	170.7	170.3	169.7	170.1
Wholesale trade	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Retail trade	156.8	156.4	156.6	157.5	157.0	157.3	157.4	157.3	157.2	157.8	157.7	158.2	158.8
Finance, insurance, and real estate	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Services	169.8	169.9	170.9	171.6	171.7	173.1	174.0	173.1	173.4	174.3	173.4	174.3	174.9
Total private (in constant dollars) ⁴	94.4	94.0	93.9	94.0	93.5	94.4	95.1	95.4	95.4	95.2	95.1	95.1	(³)
Average hourly earnings													
Total private	\$8.62	\$8.63	\$8.65	\$8.70	\$8.68	\$8.71	\$8.73	\$8.72	\$8.73	\$8.74	\$8.73	\$8.75	\$8.77
Mining	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Construction	\$12.35	\$12.33	\$12.34	\$12.40	\$12.25	\$12.29	\$12.23	\$12.34	\$12.38	\$12.43	\$12.40	\$12.44	\$12.44
Manufacturing	9.58	9.61	9.63	9.68	9.65	9.68	9.70	9.68	9.72	9.71	9.73	9.75	9.76
Transportation and public utilities	11.49	11.47	11.52	11.56	11.56	11.62	11.65	11.58	11.62	11.63	11.62	11.59	11.61
Wholesale trade	9.20	9.19	9.24	9.30	9.22	9.34	9.36	9.27	9.29	9.35	9.31	9.36	9.33
Retail trade	5.98	5.96	5.97	6.02	5.99	5.99	6.01	5.99	5.99	6.00	6.00	6.01	6.04
Finance, insurance, and real estate	8.04	8.04	8.08	8.14	8.10	8.21	8.27	8.28	8.31	8.40	8.33	8.42	8.41
Services	7.97	7.98	8.02	8.05	8.05	8.11	8.16	8.11	8.12	8.17	8.12	8.15	8.18
Average weekly earnings													
Total private:													
In current dollars	300.84	301.19	301.02	303.63	303.80	303.98	304.68	303.46	303.80	303.28	302.93	304.50	304.32
In constant (1977) dollars ⁴	170.74	170.45	169.49	170.20	169.72	170.58	171.94	171.93	171.83	170.67	170.57	171.07	(³)

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

² Excludes the effects of two types of changes that are unrelated to underlying wage rate movements: Fluctuations in overtime in manufacturing and interindustry employment shifts.

³ 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.

⁴ The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these series.

⁵ Not available.

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 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		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Alabama	41.2	41.1	41.1	\$8.47	\$8.62	\$8.56	\$348.96	\$354.28	\$351.82
Birmingham	40.8	39.7	40.8	8.80	8.80	8.42	359.04	349.36	343.54
Mobile	41.7	(¹)	(¹)	10.20	(¹)	(¹)	425.34	(¹)	(¹)
Alaska	50.4	43.0	47.5	10.86	\$10.47	\$10.20	547.34	\$450.21	\$484.50
Arizona	40.4	41.0	40.8	9.46	9.92	9.89	382.18	406.72	403.51
Phoenix	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Tucson	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Arkansas	40.0	40.1	41.4	7.58	7.81	7.77	303.20	313.18	321.68
Fayetteville-Springdale	40.1	40.7	39.6	6.57	6.95	7.07	263.46	282.87	279.97
Fort Smith	40.5	40.2	39.2	8.01	8.12	8.31	324.41	326.42	325.75
Little Rock-North Little Rock	40.6	41.0	42.2	8.16	8.49	8.48	331.30	348.09	357.86
Pine Bluff	40.5	(¹)	(¹)	9.80	(¹)	(¹)	396.90	(¹)	(¹)
California	40.2	39.8	40.0	10.11	\$10.41	\$10.50	406.42	\$414.32	\$420.00
Colorado	40.2	40.3	40.4	9.48	9.57	9.59	381.10	385.67	387.44
Denver	40.0	(¹)	(¹)	10.23	(¹)	(¹)	409.20	(¹)	(¹)
Connecticut	41.2	41.4	41.2	9.53	\$9.98	\$9.98	392.64	\$413.17	\$411.18
Bridgeport-Milford	39.9	39.0	40.2	10.05	10.38	10.36	401.00	404.82	416.47
Hartford	41.2	41.7	41.1	9.86	10.26	10.22	406.23	427.84	420.04
New Britain	41.8	(¹)	(¹)	9.83	(¹)	(¹)	410.89	(¹)	(¹)
New Haven-Meriden	40.6	39.9	40.6	9.10	\$9.63	\$9.61	369.46	\$384.24	\$390.17
Stamford	42.2	(¹)	(¹)	9.81	(¹)	(¹)	413.98	(¹)	(¹)
Waterbury	41.0	41.0	41.5	8.11	\$8.46	\$8.70	332.51	\$346.86	\$361.05
Delaware	41.1	40.0	40.0	9.60	9.56	9.92	394.56	382.40	396.80
Wilmington	40.3	39.6	40.0	11.66	11.74	11.88	469.90	464.90	475.20
District of Columbia:									
Washington MSA	37.9	38.2	38.6	10.59	10.36	10.79	401.36	395.75	416.49
Florida	41.8	40.6	40.9	7.80	8.08	8.07	326.04	328.05	330.06
Fort Lauderdale-Hollywood-Pompano Beach	41.3	(¹)	(¹)	7.82	(¹)	(¹)	322.97	(¹)	(¹)
Jacksonville	41.0	43.9	43.6	8.06	\$8.60	\$8.58	330.46	\$377.54	\$374.09
Lakeland-Winter Haven	40.3	(¹)	(¹)	7.87	(¹)	(¹)	317.16	(¹)	(¹)
Miami-Hialeah	39.4	37.8	37.8	6.74	\$7.00	\$6.94	265.56	\$264.60	\$262.33
Orlando	40.9	42.3	40.9	8.31	8.27	8.28	339.88	349.82	338.65
Pensacola	39.9	(¹)	(¹)	9.62	(¹)	(¹)	383.84	(¹)	(¹)
Tampa-St. Petersburg-Clearwater	41.3	40.0	40.0	7.51	\$7.48	\$7.46	310.16	\$299.20	\$298.40
West Palm Beach-Boca Raton-Delray Beach	43.4	(¹)	(¹)	7.83	(¹)	(¹)	339.82	(¹)	(¹)
Georgia	41.0	40.2	41.0	8.05	\$8.21	\$8.14	330.05	\$330.04	\$333.74
Atlanta	41.0	(¹)	(¹)	9.18	(¹)	(¹)	376.38	(¹)	(¹)
Savannah	44.0	(¹)	(¹)	10.33	(¹)	(¹)	454.52	(¹)	(¹)
Hawaii	38.2	38.5	39.5	8.62	\$8.56	\$8.76	329.28	\$329.56	\$346.02
Honolulu	38.0	38.0	39.0	8.82	8.61	8.76	335.16	327.18	341.64
Idaho	38.9	37.4	37.5	9.46	10.05	9.73	367.99	375.87	364.88
Illinois	40.5	40.7	41.0	10.38	10.64	10.64	420.39	433.05	436.24
Aurora-Elgin	40.2	(¹)	(¹)	9.99	(¹)	(¹)	401.60	(¹)	(¹)
Bloomington-Normal	39.6	41.7	39.7	10.57	\$10.54	\$10.69	418.57	\$439.52	\$424.39
Champaign-Urbana-Rantoul	39.3	40.4	40.9	9.14	9.26	9.22	359.20	374.10	377.10
Chicago	41.5	41.1	41.5	10.18	10.40	10.34	422.47	427.44	429.11
Davenport-Rock Island-Moline	39.8	39.6	39.7	11.91	12.34	12.38	474.02	488.66	491.49
Decatur	40.9	39.3	38.3	13.46	13.82	13.83	550.51	543.13	529.69
Joliet	40.5	(¹)	(¹)	11.44	(¹)	(¹)	463.32	(¹)	(¹)
Kankakee	38.4	(¹)	(¹)	10.01	(¹)	(¹)	384.38	(¹)	(¹)
Lake County	39.2	(¹)	(¹)	10.32	(¹)	(¹)	404.54	(¹)	(¹)
Peoria	41.7	41.5	41.0	12.56	\$12.63	\$12.80	523.75	\$524.15	\$524.80
Rockford	39.9	42.8	42.7	10.65	11.28	11.31	424.94	482.78	482.94
Springfield	41.5	40.6	41.8	11.31	11.04	11.52	469.37	448.22	481.54

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		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Indiana	41.1	40.9	41.2	\$10.61	\$10.76	\$10.65	\$436.07	\$440.08	\$438.78
Gary-Hammond	41.9	(¹)	(¹)	13.98	(¹)	(¹)	585.76	(¹)	(¹)
Indianapolis	41.5	(¹)	(¹)	10.99	(¹)	(¹)	456.08	(¹)	(¹)
Iowa	39.9	39.6	40.6	10.35	\$10.46	\$10.28	412.97	\$414.22	\$417.37
Cedar Rapids	39.7	39.0	39.2	11.28	11.64	11.55	447.82	453.96	452.76
Des Moines	40.1	39.3	41.1	12.05	11.18	11.41	483.21	439.37	468.95
Dubuque	40.2	(¹)	(¹)	11.75	(¹)	(¹)	472.35	(¹)	(¹)
Sioux City	40.4	37.6	38.7	8.32	\$8.49	\$8.55	336.13	\$319.22	\$330.89
Kansas	40.0	39.6	40.4	9.40	9.68	9.70	376.00	383.33	391.88
Topeka	40.0	39.9	40.6	10.85	10.70	10.61	434.00	426.93	430.77
Wichita	39.2	36.0	38.5	9.99	10.09	10.42	391.61	363.24	401.17
Kentucky	38.9	38.2	38.5	9.51	9.92	9.95	369.94	378.94	383.08
Lexington-Fayette	39.1	(¹)	(¹)	10.12	(¹)	(¹)	395.69	(¹)	(¹)
Louisville	40.2	39.8	39.8	10.60	\$11.12	\$10.95	426.12	\$442.58	\$435.81
Louisiana	40.3	41.4	42.0	10.48	10.67	10.59	422.34	441.74	444.78
Baton Rouge	43.3	41.1	41.0	12.51	12.36	12.33	541.68	508.00	505.53
New Orleans	39.1	40.6	41.4	10.55	10.77	10.52	412.51	437.26	435.53
Shreveport	39.8	38.0	39.7	10.77	10.36	10.59	428.65	393.68	420.42
Maine	40.3	40.4	41.0	8.15	8.73	8.58	328.45	352.69	351.78
Lewiston-Auburn	38.8	(¹)	(¹)	6.66	(¹)	(¹)	258.41	(¹)	(¹)
Portland	38.9	38.2	39.0	8.71	\$8.91	\$9.12	338.82	\$340.36	\$355.68
Maryland	40.3	40.3	40.6	9.76	9.94	9.88	393.33	400.58	401.13
Baltimore MSA	41.2	(¹)	(¹)	10.29	(¹)	(¹)	423.95	(¹)	(¹)
Massachusetts	40.5	41.0	41.0	8.99	\$9.29	\$9.27	364.10	\$380.89	\$380.07
Boston	40.2	40.0	40.0	9.63	10.06	10.12	387.13	402.40	404.80
Brockton	38.9	(¹)	(¹)	7.05	(¹)	(¹)	274.25	(¹)	(¹)
Fall River	38.1	(¹)	(¹)	6.84	(¹)	(¹)	260.60	(¹)	(¹)
Lawrence-Haverhill	41.4	(¹)	(¹)	8.78	(¹)	(¹)	363.49	(¹)	(¹)
Lowell	41.5	(¹)	(¹)	8.34	(¹)	(¹)	346.11	(¹)	(¹)
New Bedford	38.8	(¹)	(¹)	7.92	(¹)	(¹)	307.30	(¹)	(¹)
Springfield	41.8	42.8	42.6	8.93	\$9.01	\$8.98	373.27	\$385.63	\$382.55
Worcester	41.3	40.8	40.9	8.99	9.53	9.37	371.29	388.82	383.23
Michigan	42.7	41.5	41.5	12.51	12.77	12.68	534.18	529.95	526.22
Ann Arbor	44.7	41.3	43.0	13.36	13.23	13.78	597.19	546.40	592.54
Battle Creek	42.7	(¹)	(¹)	13.04	(¹)	(¹)	556.81	(¹)	(¹)
Detroit	43.4	42.2	42.2	13.37	\$13.64	\$13.67	580.26	\$575.61	\$576.87
Flint	43.8	44.3	41.9	14.30	14.85	14.69	626.34	657.85	615.51
Grand Rapids	40.7	39.8	40.0	10.51	10.76	10.60	427.76	428.25	424.00
Jackson	41.4	(¹)	(¹)	9.95	(¹)	(¹)	411.93	(¹)	(¹)
Kalamazoo	42.4	41.8	41.5	11.87	\$11.91	\$11.70	503.29	\$497.84	\$485.55
Lansing-East Lansing	42.4	42.2	40.1	14.34	14.44	13.16	608.02	609.37	527.72
Muskegon	40.7	(¹)	(¹)	11.34	(¹)	(¹)	461.54	(¹)	(¹)
Saginaw-Bay City-Midland	43.4	43.1	43.9	13.83	\$14.18	\$14.01	600.22	\$611.16	\$615.04
Minnesota	40.1	40.0	40.9	10.02	10.17	10.04	401.80	406.80	410.64
Duluth	37.9	33.1	34.6	10.69	10.99	10.90	405.15	363.77	377.14
Minneapolis-St. Paul	40.5	40.0	40.9	10.89	10.93	10.92	441.05	437.20	446.63
St. Cloud	40.1	39.6	40.3	9.69	9.31	9.11	388.57	368.68	367.13
Mississippi	40.5	39.3	40.1	7.19	7.42	7.47	291.20	291.61	299.55
Jackson	40.6	39.6	39.9	8.10	8.24	8.31	328.86	326.30	331.57
Missouri	39.8	40.2	41.0	9.51	9.70	9.80	378.50	389.94	401.80
Kansas City	40.5	40.3	41.7	10.77	10.97	11.47	436.19	442.09	478.30
St. Joseph	39.6	(¹)	(¹)	8.73	(¹)	(¹)	345.71	(¹)	(¹)
St. Louis	39.5	39.8	41.3	11.03	\$11.07	\$10.98	435.69	\$440.59	\$453.47
Springfield	38.3	43.6	43.9	9.05	9.01	8.88	346.62	392.84	389.83
Montana	38.8	39.9	40.2	11.06	11.00	10.89	429.13	438.90	437.78

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		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Nebraska	40.7	38.9	40.9	\$9.01	\$9.18	\$9.17	\$366.71	\$357.10	\$375.05
Lincoln	39.7	37.5	40.5	9.65	9.43	9.95	383.11	353.63	402.98
Omaha	39.2	39.4	41.0	9.65	9.74	9.78	378.28	383.76	400.98
Nevada	40.8	40.1	40.8	9.21	9.34	9.45	375.77	374.53	385.56
Las Vegas	39.7	39.7	38.8	11.16	11.24	11.37	443.05	446.23	441.16
New Hampshire	40.2	40.3	41.0	8.44	8.86	8.79	339.29	357.06	360.39
Manchester	39.8	(¹)	(¹)	8.26	(¹)	(¹)	328.75	(¹)	(¹)
Nashua	40.0	38.8	39.2	10.02	\$10.32	\$10.33	400.80	\$400.42	\$404.94
New Jersey	40.4	40.8	41.0	9.88	10.22	10.21	399.15	416.98	418.61
Atlantic City	36.7	(¹)	(¹)	8.53	(¹)	(¹)	313.05	(¹)	(¹)
Bergen-Passaic	40.2	(¹)	(¹)	9.29	(¹)	(¹)	373.46	(¹)	(¹)
Camden	40.4	(¹)	(¹)	10.03	(¹)	(¹)	405.21	(¹)	(¹)
Jersey City	39.9	(¹)	(¹)	8.76	(¹)	(¹)	349.52	(¹)	(¹)
Middlesex-Somerset-Hunterdon	41.7	(¹)	(¹)	10.55	(¹)	(¹)	439.94	(¹)	(¹)
Newark	40.4	(¹)	(¹)	9.63	(¹)	(¹)	389.05	(¹)	(¹)
Trenton	39.6	(¹)	(¹)	10.40	(¹)	(¹)	411.84	(¹)	(¹)
New Mexico	40.1	40.1	39.1	8.46	\$8.95	\$8.60	339.25	\$358.90	\$336.26
Albuquerque	39.5	(¹)	(¹)	8.40	(¹)	(¹)	331.80	(¹)	(¹)
New York	39.5	39.4	39.6	9.59	\$9.91	\$9.85	378.81	\$390.45	\$390.06
Albany-Schenectady-Troy	39.9	39.1	39.1	9.59	10.33	10.35	382.64	403.90	404.68
Binghamton	39.8	40.1	40.0	8.51	9.00	8.95	338.70	360.90	358.00
Buffalo	41.3	42.1	41.6	12.10	11.90	11.89	499.73	500.99	494.82
Elmira	40.1	(¹)	(¹)	9.08	(¹)	(¹)	364.11	(¹)	(¹)
Glens Falls	39.2	(¹)	(¹)	9.59	(¹)	(¹)	375.93	(¹)	(¹)
Monroe County	42.0	(¹)	(¹)	12.50	(¹)	(¹)	525.00	(¹)	(¹)
Nassau-Suffolk	40.0	40.7	40.4	9.47	\$10.18	\$10.02	378.80	\$414.33	\$404.81
New York PMSA	37.2	36.9	37.1	8.78	9.19	9.09	326.62	339.11	337.24
New York City	36.7	36.4	36.8	8.59	9.02	9.01	315.25	328.33	331.57
Niagara Falls	40.6	41.3	41.1	12.27	13.05	12.98	498.16	538.97	533.48
Orange County	37.2	(¹)	(¹)	7.25	(¹)	(¹)	269.70	(¹)	(¹)
Poughkeepsie	42.0	(¹)	(¹)	8.69	(¹)	(¹)	364.98	(¹)	(¹)
Rochester	41.7	40.8	41.2	11.54	\$11.88	\$11.74	481.22	\$484.70	\$483.69
Rockland County	41.1	40.6	38.9	9.22	9.66	9.67	378.94	392.20	376.16
Syracuse	40.5	39.4	41.1	10.92	11.19	11.32	442.26	440.89	465.25
Utica-Rome	41.2	40.5	40.7	8.59	9.33	9.30	353.91	377.87	378.51
Westchester County	39.4	39.1	38.9	10.23	10.24	9.47	403.06	400.38	369.38
North Carolina	39.8	40.1	40.9	7.33	7.52	7.57	291.73	301.55	309.51
Asheville	42.0	(¹)	(¹)	7.35	(¹)	(¹)	308.70	(¹)	(¹)
Charlotte-Gastonia-Rock Hill	39.9	41.1	42.3	7.49	\$7.71	\$7.74	298.85	\$316.88	\$327.40
Greensboro-Winston-Salem-High Point	39.1	39.6	39.7	8.06	8.29	8.33	315.15	328.28	330.70
Raleigh-Durham	41.3	41.0	41.4	8.25	8.56	8.61	340.73	350.96	356.45
North Dakota	38.0	38.4	37.8	8.11	8.07	8.18	308.18	309.89	309.20
Fargo-Moorhead	37.3	(¹)	(¹)	8.41	(¹)	(¹)	313.69	(¹)	(¹)
Ohio	41.7	41.4	42.0	11.26	\$11.49	\$11.50	469.54	\$475.69	\$483.00
Akron	42.1	42.6	43.5	10.67	11.10	11.25	449.21	472.86	489.38
Canton	39.4	(¹)	(¹)	10.98	(¹)	(¹)	432.61	(¹)	(¹)
Cincinnati	40.9	41.7	42.2	10.54	\$10.67	\$10.73	431.09	\$444.94	\$452.81
Cleveland	41.7	40.8	42.2	11.18	11.27	11.42	466.21	459.82	491.32
Columbus	40.9	40.8	41.0	10.77	11.23	11.32	440.49	458.18	464.12
Dayton-Springfield	42.6	42.5	42.5	11.81	12.03	11.97	503.11	511.28	508.73
Toledo	43.1	42.1	42.2	12.33	12.50	12.29	531.42	526.25	518.54
Youngstown-Warren	41.5	(¹)	(¹)	12.90	(¹)	(¹)	535.35	(¹)	(¹)
Oklahoma	40.8	40.1	40.6	9.75	\$9.77	\$9.63	397.80	\$391.78	\$390.98
Oklahoma City	40.7	39.2	39.2	10.43	10.85	10.62	424.50	425.32	416.30
Tulsa	39.5	39.3	39.7	10.27	10.56	10.33	405.67	415.01	410.10
Oregon	38.6	37.9	38.7	10.25	10.54	10.32	395.65	399.47	399.38
Eugene-Springfield	37.6	37.8	37.8	10.55	10.62	10.43	396.68	401.44	394.25
Portland	39.3	38.9	39.3	10.40	10.82	10.88	408.72	420.90	427.58
Salem	37.1	35.7	37.9	7.97	9.02	7.83	295.69	322.01	296.76

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		
	Aug. 1985	July 1986	Aug. 1986 ^a	Aug. 1985	July 1986	Aug. 1986 ^a	Aug. 1985	July 1986	Aug. 1986 ^a
Pennsylvania	39.8	40.0	40.4	\$9.54	\$9.73	\$9.70	\$379.69	\$389.20	\$391.88
Allentown-Bethlehem	39.4	38.6	39.2	10.22	10.24	10.18	402.67	395.26	399.06
Altoona	39.5	(¹)	(¹)	8.39	(¹)	(¹)	331.41	(¹)	(¹)
Beaver County	36.7	41.7	39.5	11.42	\$12.05	\$11.75	419.11	\$502.49	\$464.13
Delaware Valley	39.9	39.5	39.9	9.93	10.14	10.13	396.21	400.53	404.19
Erie	42.1	(¹)	(¹)	10.13	(¹)	(¹)	426.47	(¹)	(¹)
Harrisburg-Lebanon-Carlisle	39.5	39.3	39.3	9.13	\$9.30	\$9.37	360.64	\$365.49	\$368.24
Johnstown	37.8	(¹)	(¹)	8.31	(¹)	(¹)	314.12	(¹)	(¹)
Lancaster	40.0	40.2	41.1	9.27	\$9.58	\$9.67	370.80	\$385.12	\$397.44
Philadelphia PMSA	40.0	39.5	40.0	9.95	10.14	10.12	398.00	400.53	404.80
Pittsburgh	40.4	41.2	40.5	10.92	11.15	10.87	441.17	459.38	440.24
Reading	39.4	40.1	40.8	9.69	9.95	10.01	381.79	399.00	408.41
Scranton-Wilkes-Barre	38.5	38.1	37.8	8.16	8.52	8.54	314.16	324.61	322.81
Williamsport	39.9	(¹)	(¹)	8.63	(¹)	(¹)	344.34	(¹)	(¹)
York	41.4	41.0	41.7	8.89	\$9.13	\$9.22	368.05	\$374.33	\$384.47
Rhode Island	39.9	40.1	40.3	7.55	7.93	7.95	301.25	317.99	320.39
Pawtucket-Woonsocket-Attleboro	40.2	(¹)	(¹)	7.21	(¹)	(¹)	289.84	(¹)	(¹)
Providence	39.9	(¹)	(¹)	7.50	(¹)	(¹)	299.25	(¹)	(¹)
South Carolina	40.9	40.5	41.1	7.62	\$7.95	\$7.99	311.66	\$321.98	\$328.39
Charleston	45.0	(¹)	(¹)	9.40	(¹)	(¹)	423.00	(¹)	(¹)
Columbia	40.6	39.7	40.6	7.61	\$7.78	\$7.86	308.97	\$308.87	\$319.12
Greenville-Spartanburg	41.2	40.6	41.3	7.38	7.72	7.80	304.06	313.43	322.14
South Dakota	42.3	42.4	42.2	7.49	7.69	7.69	316.83	326.06	324.52
Sioux Falls	47.1	46.7	46.5	7.46	8.03	7.91	351.37	375.00	367.82
Tennessee	41.0	40.8	41.1	8.33	8.59	8.54	341.53	350.47	350.99
Chattanooga	42.4	42.7	41.5	7.42	7.51	7.63	314.61	320.68	316.65
Johnson City-Kingsport-Bristol	43.6	(¹)	(¹)	8.88	(¹)	(¹)	387.17	(¹)	(¹)
Knoxville	41.3	39.6	39.8	8.84	\$8.80	\$8.67	365.09	\$348.48	\$345.07
Memphis	41.5	43.7	42.0	8.78	8.76	8.63	364.37	382.81	362.46
Nashville	40.2	39.1	41.0	9.25	9.43	9.55	371.85	368.71	391.55
Texas	41.3	41.1	41.7	9.44	9.61	9.56	389.87	394.97	399.49
Dallas	41.6	41.8	42.3	9.17	9.41	9.42	381.47	393.34	398.47
Ft. Worth-Arlington	41.5	41.2	41.2	9.52	9.53	9.63	395.08	392.64	396.76
Houston	42.6	42.0	42.7	11.04	11.35	11.26	470.30	476.70	480.60
San Antonio	40.7	40.3	40.6	7.26	7.39	7.31	295.48	297.82	296.79
Utah	41.1	40.2	40.0	9.43	9.74	9.63	387.57	391.55	385.20
Salt Lake City-Ogden	40.5	40.3	39.7	9.17	9.52	9.72	371.39	383.66	385.88
Vermont	40.8	40.1	41.0	8.41	8.93	8.89	343.13	358.09	364.49
Burlington	43.1	42.9	42.9	9.21	9.72	9.65	396.95	416.99	413.99
Springfield	40.6	(¹)	(¹)	8.33	(¹)	(¹)	338.20	(¹)	(¹)
Virginia	40.0	40.0	40.4	8.57	\$8.88	\$8.86	342.80	\$355.20	\$357.94
Bristol	38.4	39.9	39.6	7.57	7.61	7.46	290.69	303.64	295.42
Charlottesville	40.1	(¹)	(¹)	7.16	(¹)	(¹)	287.12	(¹)	(¹)
Danville	40.3	(¹)	(¹)	8.24	(¹)	(¹)	332.07	(¹)	(¹)
Lynchburg	39.4	39.9	41.2	8.26	\$8.31	\$8.48	325.44	\$331.57	\$349.38
Northern Virginia	39.7	41.1	41.3	8.85	9.44	9.55	351.35	387.98	394.42
Richmond-Petersburg	41.3	40.6	40.2	10.48	11.39	11.34	432.62	462.43	455.87
Roanoke	41.1	40.1	40.8	7.56	8.14	8.17	310.72	326.41	333.34
Washington	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)

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		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
West Virginia	39.5	39.7	40.0	\$10.12	\$10.46	\$10.44	\$399.74	\$415.26	\$417.60
Charleston	41.6	41.5	41.6	12.39	12.88	12.80	515.42	534.52	532.48
Huntington-Ashland	38.3	39.0	39.7	11.48	12.12	11.75	439.68	472.68	466.48
Parkersburg-Marietta	40.7	41.3	42.3	11.70	12.17	12.22	476.19	502.62	516.91
Wheeling	40.1	(¹)	(¹)	11.76	(¹)	(¹)	471.58	(¹)	(¹)
Wisconsin	40.9	41.0	41.2	10.05	\$10.34	\$10.18	411.05	\$423.94	\$419.42
Appleton-Oshkosh	42.6	43.6	42.7	10.06	10.32	10.00	428.56	449.95	427.00
Eau Claire	40.6	39.9	41.1	10.41	10.36	10.60	422.65	413.36	435.66
Green Bay	41.1	42.4	42.0	10.93	11.02	10.64	449.22	467.25	446.88
Janesville-Beloit	37.7	37.4	38.4	11.59	11.98	11.11	436.94	448.05	426.62
Kenosha	39.6	(¹)	(¹)	12.01	(¹)	(¹)	475.60	(¹)	(¹)
La Crosse	37.9	38.0	38.1	8.07	\$9.44	\$9.28	305.85	\$358.72	\$353.57
Madison	41.3	40.7	40.9	9.07	9.59	9.69	374.59	390.31	396.32
Milwaukee	40.7	41.1	40.9	11.60	11.72	11.61	472.12	481.69	474.85
Racine	39.2	39.0	40.8	10.35	10.65	10.78	405.72	415.35	439.82
Sheboygan	39.2	(¹)	(¹)	9.39	(¹)	(¹)	368.09	(¹)	(¹)
Wausau	41.4	(¹)	(¹)	9.65	(¹)	(¹)	399.51	(¹)	(¹)
Wyoming	40.5	36.0	36.3	9.88	\$9.93	\$10.05	400.14	\$357.48	\$364.82
Puerto Rico	38.6	38.5	38.4	5.18	5.24	5.30	199.95	201.74	203.52
Virgin Islands	41.8	42.4	42.0	9.29	9.90	9.73	388.32	419.76	408.66

¹ Publication of data has been suspended because of budget cuts.

² Not available.

^P = preliminary.

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

publication. All State and area data have been adjusted to March 1985 benchmarks except Michigan. Data for Michigan have been adjusted to December 1984 benchmarks.

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

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

Industry	Millions of hours (annual rate) ¹			Percent change		
	July 1986 ^r	Aug. 1986 ^r	Sept. 1986 ^p	Sept. 1985 to Sept. 1986 ^p	July 1986 to Aug. 1986 ^r	Aug. 1986 to Sept. 1986 ^p
Total	185,898	186,665	186,734	2.0	0.4	0.0
Private sector	152,912	153,508	153,336	2.2	.4	-.1
Mining	1,662	1,659	1,643	-20.8	-.2	-1.0
Construction	9,657	9,755	9,875	6.5	1.0	1.2
Manufacturing	40,226	40,434	40,327	-.4	.5	-.3
Durable goods	24,013	24,175	24,104	-1.2	.7	-.3
Nondurable goods	16,213	16,259	16,223	.8	.3	-.2
Transportation and public utilities	10,796	10,670	10,709	-.9	-1.2	.4
Wholesale trade	11,664	11,685	11,698	1.4	.2	.1
Retail trade	27,314	27,461	27,345	2.6	.5	-.4
Finance, insurance, and real estate	12,038	12,142	12,112	6.1	.9	-.2
Services	39,555	39,702	39,628	4.8	.4	-.2
Government	32,986	33,157	33,398	1.0	.5	.7

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

^p = preliminary.

= 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 2134-1, chapter 13, Productivity Measures: Business Economy and Major Sectors.

SOURCE: Office of Productivity and Technology (202 523 9261).

PRODUCTIVITY DATA
SEASONALLY ADJUSTED

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

(1977 = 100)

Item	Annual average		Quarterly index										
	1984	1985	1983	1984				1985				1986	
			IV	I	II	III	IV	I	II	III	IV	I	II
Business sector													
Output per hour of all persons	105.3	106.4	103.8	104.9	105.6	105.5	105.5	105.7	106.4	107.3	106.4	107.3	107.2
Output	118.8	122.7	113.6	116.9	119.0	119.5	120.2	121.3	122.3	123.5	123.8	125.3	125.2
Hours	112.8	115.3	109.4	111.4	112.7	113.3	114.0	114.8	115.0	115.2	116.4	116.8	116.8
Compensation per hour	168.1	175.3	163.6	165.9	167.1	169.0	170.6	172.3	174.5	176.4	178.0	179.1	180.4
Real compensation per hour	98.1	98.8	98.0	98.1	97.9	98.1	98.2	98.4	98.7	99.1	99.0	99.2	100.3
Unit labor costs	159.7	164.8	157.7	158.2	158.3	160.2	161.7	163.1	164.0	164.4	167.3	167.0	168.2
Unit nonlabor payments	156.3	159.7	150.6	154.1	156.7	157.0	157.7	158.3	160.0	161.4	159.6	162.2	161.9
Implicit price deflator	158.5	163.0	155.2	156.7	157.7	159.0	160.3	161.4	162.6	163.4	164.6	165.3	166.0
Nonfarm business sector													
Output per hour of all persons	104.3	104.8	103.3	103.9	104.6	104.4	104.3	104.4	104.9	105.4	104.5	105.6	105.5
Output	118.8	122.5	114.1	116.9	119.1	119.5	120.2	121.1	122.1	123.3	123.6	125.1	125.0
Hours	114.0	116.9	110.5	112.5	113.8	114.5	115.2	116.0	116.4	116.9	118.2	118.5	118.5
Compensation per hour	167.9	174.6	163.4	165.6	166.9	168.7	170.4	172.1	174.0	175.4	177.0	178.3	179.3
Real compensation per hour	98.0	98.4	97.9	97.9	97.8	98.0	98.1	98.2	98.4	98.5	98.4	98.8	99.7
Unit labor costs	161.0	166.7	158.2	159.4	159.5	161.5	163.3	164.8	165.9	166.3	169.3	168.8	170.0
Unit nonlabor payments	156.1	160.6	152.3	153.2	156.4	157.2	157.9	158.9	160.8	163.0	160.3	163.9	163.5
Implicit price deflator	159.3	164.6	156.2	157.2	158.4	160.0	161.4	162.7	164.1	165.2	166.2	167.1	167.7
Manufacturing													
Output per hour of all persons	116.6	121.7	113.3	114.7	115.7	117.8	118.2	119.3	121.7	123.0	122.9	123.4	124.0
Output	116.0	120.4	109.6	113.4	115.3	117.4	117.9	118.8	119.9	121.2	121.9	122.5	122.1
Hours	99.5	98.9	96.8	98.8	99.7	99.7	99.7	99.6	98.5	98.5	99.1	99.3	98.4
Compensation per hour	168.2	176.7	163.6	165.4	166.8	169.1	171.5	173.8	175.6	178.1	179.3	180.2	181.4
Real compensation per hour	98.1	99.5	97.9	97.8	97.8	98.2	98.7	99.2	99.3	100.0	99.7	99.8	100.9
Unit labor costs	144.2	145.1	144.3	144.1	144.2	143.5	145.1	145.7	144.3	144.8	145.8	146.1	146.2
Durable goods													
Output per hour of all persons	116.7	124.6	111.9	114.0	115.4	118.3	119.1	121.4	124.4	126.3	126.4	126.7	126.6
Output	117.0	124.7	107.8	112.8	115.6	119.1	120.5	122.6	124.1	125.6	126.4	126.5	125.0
Hours	100.2	100.1	96.3	98.9	100.2	100.7	101.2	100.9	99.8	99.5	100.0	99.9	98.7
Compensation per hour	166.6	174.9	162.3	164.1	165.3	167.2	169.4	172.0	173.2	176.5	178.0	178.9	180.1
Real compensation per hour	97.2	98.5	97.2	97.1	96.9	97.1	97.5	98.2	97.9	99.2	98.9	99.1	100.2
Unit labor costs	142.7	140.3	145.0	144.0	143.3	141.4	142.3	141.6	139.2	139.8	140.8	141.2	142.2
Nondurable goods													
Output per hour of all persons	116.5	117.3	115.3	115.9	116.1	117.0	116.8	116.0	117.5	118.0	117.6	118.3	120.2
Output	114.5	114.1	112.4	114.2	114.9	114.8	114.0	113.2	113.6	114.5	115.1	116.4	117.7
Hours	98.3	97.3	97.5	98.6	99.0	98.1	97.6	97.6	96.7	97.0	97.9	98.3	98.0
Compensation per hour	170.8	179.4	166.0	167.5	169.2	171.9	174.6	176.5	179.4	180.4	181.3	182.2	183.5
Real compensation per hour	99.7	101.0	99.4	99.1	99.2	99.8	100.5	100.8	101.5	101.3	100.8	100.9	102.1
Unit labor costs	146.6	152.9	143.9	144.6	145.7	146.9	149.4	152.1	152.7	152.8	154.1	154.0	152.7
Nonfinancial corporations¹													
Output per all-employee hour	105.6	106.8	104.5	105.3	105.9	105.5	105.8	106.0	106.5	107.8	107.0	106.9	106.3
Output	120.4	124.8	115.1	118.2	120.5	120.9	122.1	123.1	124.2	126.0	126.1	126.9	126.0
Hours	114.0	116.9	110.1	112.3	113.7	114.6	115.5	116.1	116.6	116.8	117.8	118.7	118.5
Compensation per hour	165.9	172.3	161.7	163.6	164.8	166.6	168.3	169.9	171.6	173.1	174.5	175.4	176.0
Real compensation per hour	96.8	97.0	96.8	96.8	96.6	96.7	96.8	97.0	97.0	97.2	97.0	97.1	97.9
Total unit costs	161.5	165.8	159.0	159.4	160.1	162.6	163.8	164.9	165.8	165.0	167.2	168.3	169.4
Unit labor costs	157.0	161.2	154.8	155.4	155.7	157.9	159.1	160.3	161.1	160.5	163.0	164.0	165.6
Unit nonlabor costs	174.6	179.1	171.4	171.1	173.1	176.4	177.5	178.5	179.8	178.3	179.8	181.1	180.9
Unit profits	133.4	133.1	128.6	134.4	138.5	130.3	130.5	129.3	130.2	141.7	131.2	131.7	128.4
Implicit price deflator	158.1	161.8	155.3	156.4	157.5	158.7	159.8	160.6	161.6	162.2	162.9	164.0	164.5

¹ Measures for the second quarter of 1986 are preliminary.

SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

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

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	I 1985	II 1985	III 1985	IV 1985	I 1986	II 1986	I 1985	II 1985	III 1985	IV 1985	I 1986	II 1986
Business sector												
Output per hour of all persons	0.9	2.7	3.4	-3.2	3.3	-0.3	0.8	0.8	1.7	0.9	1.5	0.8
Output	3.6	3.3	4.1	1.0	4.7	-4	3.8	2.8	3.4	3.0	3.3	2.3
Hours	2.6	.6	.7	4.3	1.4	-1	3.0	2.0	1.7	2.1	1.8	1.6
Compensation per hour	4.2	5.1	4.4	3.8	2.5	2.7	3.9	4.5	4.4	4.4	3.9	3.3
Real compensation per hour	1.0	1.0	1.8	-5	1.0	4.5	.3	.7	1.0	.8	.8	1.7
Unit labor costs	3.3	2.4	1.0	7.2	-7	3.0	3.1	3.6	2.6	3.4	2.4	2.6
Unit nonlabor payments	1.6	4.2	3.7	-4.3	6.6	-7	2.7	2.0	2.8	1.2	2.5	1.2
Implicit price deflator	2.7	3.0	1.9	3.0	1.8	1.7	3.0	3.1	2.7	2.7	2.4	2.1
Nonfarm business sector												
Output per hour of all persons .....	.3	1.8	2.2	-3.5	4.3	-5	.5	.2	1.0	.2	1.2	.6
Output	3.2	3.0	4.0	1.0	5.1	-3	3.6	2.5	3.1	2.8	3.3	2.4
Hours	2.9	1.2	1.8	4.6	.8	.2	3.1	2.3	2.1	2.6	2.1	1.8
Compensation per hour	3.9	4.6	3.2	3.7	3.1	2.2	3.9	4.2	4.0	3.9	3.6	3.1
Real compensation per hour .....	.7	.5	.7	-6	1.6	3.9	.3	.5	.6	.3	.5	1.4
Unit labor costs	3.6	2.7	1.0	7.4	-1.2	2.8	3.4	4.0	3.0	3.7	2.5	2.5
Unit nonlabor payments	2.5	4.7	5.7	-6.6	9.3	-9	3.7	2.8	3.7	1.5	3.1	1.7
Implicit price deflator	3.2	3.4	2.6	2.4	2.3	1.5	3.5	3.6	3.2	2.9	2.7	2.2
Manufacturing												
Output per hour of all persons	3.9	8.2	4.4	-3	1.4	2.2	4.0	5.2	4.4	4.0	3.4	1.9
Output	3.2	3.7	4.3	2.4	1.9	-1.3	4.8	4.0	3.2	3.4	3.1	1.8
Hours	-6	-4.2	-1	2.7	.4	-3.4	.8	-1.2	-1.2	-6	-3	-1
Compensation per hour	5.5	4.3	5.6	2.8	2.1	2.5	5.1	5.3	5.3	4.5	3.7	3.3
Real compensation per hour	2.2	.3	3.0	-1.4	.6	4.3	1.4	1.6	1.9	1.0	.6	1.6
Unit labor costs	1.5	-3.6	1.2	3.0	.6	.4	1.1	.1	.9	.5	.3	1.3
Durable goods												
Output per hour of all persons	8.2	10.2	6.1	.5	.9	-3	6.5	7.9	6.8	6.2	4.4	1.8
Output	7.2	5.1	4.9	2.7	.3	-4.9	8.7	7.4	5.4	5.0	3.2	.7
Hours	-9	-4.6	-1.1	2.2	-6	-4.6	2.0	-4	-1.2	-1.1	-1.1	-1.1
Compensation per hour	6.1	3.0	7.8	3.3	2.2	2.6	4.8	4.8	5.6	5.0	4.1	4.0
Real compensation per hour	2.8	-1.0	5.1	-9	.7	4.3	1.1	1.1	2.1	1.5	.9	2.3
Unit labor costs	-1.9	-6.6	1.6	2.8	1.2	2.9	-1.7	-2.8	-1.1	-1.1	-3	2.1
Nondurable goods												
Output per hour of all persons	-2.6	5.2	1.8	-1.4	2.4	6.3	.1	1.2	.9	.7	2.0	2.3
Output	-2.8	1.5	3.3	1.9	4.5	4.7	-9	-1.1	-3	1.0	2.8	3.6
Hours	-2	-3.5	1.5	3.4	2.0	-1.5	-1.0	-2.3	-1.1	.3	.8	1.3
Compensation per hour	4.4	6.9	2.1	1.9	2.2	2.8	5.3	6.1	4.9	3.8	3.3	2.3
Real compensation per hour	1.2	2.8	-4	-2.3	.7	4.5	1.7	2.3	1.5	.3	.2	.6
Unit labor costs	7.2	1.7	.3	3.4	-2	-3.3	5.2	4.8	4.0	3.1	1.3	.0
Nonfinancial corporations¹												
Output per all-employee hour .....	.8	2.2	4.9	-2.8	-5	-2.3	.6	.6	2.2	1.2	.9	-2
Output	3.2	3.7	5.9	.5	2.6	-3.0	4.1	3.1	4.2	3.3	3.2	1.5
Hours	2.4	1.4	1.0	3.4	3.1	-7	3.5	2.5	2.0	2.1	2.2	1.7
Compensation per hour	3.8	4.2	3.4	3.3	2.0	1.5	3.8	4.1	3.9	3.7	3.2	2.6
Real compensation per hour .....	.6	.2	.9	-9	.5	3.2	.2	.4	.5	.2	.2	.9
Total unit costs	2.8	2.3	-1.9	5.5	2.7	2.6	3.5	3.6	1.5	2.1	2.1	2.2
Unit labor costs	3.0	2.0	-1.4	6.3	2.5	3.8	3.2	3.5	1.6	2.4	2.3	2.8
Unit nonlabor costs	2.2	3.0	-3.3	3.3	3.1	-5	4.3	3.9	1.1	1.3	1.5	.6
Unit profits	-3.6	3.0	40.1	-26.4	1.3	-9.4	-3.8	-5.9	8.7	.6	1.8	-1.4
Implicit price deflator	2.2	2.3	1.7	1.7	2.5	1.4	2.7	2.6	2.2	2.0	2.1	1.8

¹ Measures for the second quarter of 1986 are preliminary.

SOURCE: Office of Productivity and Technology (202 523 9261).

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

D-1. Labor force status by State and selected metropolitan areas

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Alabama	1,812.1	1,904.1	1,893.1	153.0	200.9	190.8	8.4	10.6	10.1
Birmingham	419.0	449.1	445.0	29.1	40.5	40.0	6.9	9.0	9.0
Huntsville	119.0	126.9	126.7	7.1	9.8	10.2	6.0	7.7	8.1
Mobile	204.8	216.4	213.6	17.6	24.1	22.9	8.6	11.1	10.7
Montgomery	128.9	133.2	132.2	9.2	10.8	10.0	7.2	8.1	7.6
Tuscaloosa	64.4	67.3	68.4	4.0	5.6	5.7	6.2	8.4	8.3
Alaska	265.9	278.0	274.0	21.0	29.4	27.9	7.9	10.6	10.2
Arizona	1,452.7	1,592.4	1,587.1	100.7	117.1	109.9	6.9	7.4	6.9
Phoenix	895.2	990.0	984.7	48.8	55.1	53.6	5.5	5.6	5.4
Tucson	283.2	306.7	305.9	14.7	17.7	16.9	5.2	5.8	5.5
Arkansas	1,060.7	1,077.9	1,081.3	81.3	96.3	92.0	7.7	8.9	8.5
Fayetteville-Springdale	53.3	54.2	54.5	2.2	2.9	2.7	4.1	5.4	4.9
Fort Smith	85.1	87.7	86.1	5.6	6.6	6.2	6.6	7.5	7.2
Little Rock-North Little Rock	248.0	250.4	249.5	15.1	18.6	17.8	6.1	7.4	7.1
Pine Bluff	35.6	37.0	37.8	3.0	3.0	3.1	8.5	8.2	8.1
California¹	13,001.9	13,497.7	13,458.7	947.7	1,017.4	896.3	7.3	7.5	6.7
Anaheim-Santa Ana	1,191.6	1,220.3	1,215.5	56.6	56.8	48.8	4.8	4.7	4.0
Bakersfield	220.4	219.8	217.9	23.7	27.2	24.3	10.7	12.4	11.2
Fresno	306.3	298.9	308.5	32.9	35.7	29.5	10.7	12.0	9.6
Los Angeles-Long Beach ¹	3,986.0	4,164.0	4,131.0	284.0	339.0	323.0	7.1	8.1	7.8
Modesto	148.0	152.7	152.3	18.1	21.3	15.7	12.2	14.0	10.3
Oakland	972.9	1,042.1	1,039.8	65.5	66.4	57.1	6.7	6.4	5.5
Oxnard-Ventura	306.1	325.3	323.9	27.5	25.1	24.4	9.0	7.7	7.5
Riverside-San Bernardino	774.3	809.0	806.4	63.8	64.0	56.2	8.2	7.9	7.0
Sacramento	626.4	658.3	662.7	41.7	42.7	35.6	6.7	6.5	5.4
Salinas-Seaside-Monterey	154.5	159.6	157.8	13.3	13.9	11.7	8.6	8.7	7.4
San Diego	959.1	1,003.4	1,007.1	54.7	57.6	50.6	5.7	5.7	5.0
San Francisco	854.4	885.8	883.6	46.3	46.1	39.7	5.4	5.2	4.5
San Jose	819.5	827.0	824.6	54.4	52.8	45.2	6.6	6.4	5.5
Santa Barbara-Santa Maria-Lompoc	168.4	177.1	175.7	10.1	9.6	8.1	6.0	5.4	4.6
Santa Rosa-Petaluma	170.5	178.4	179.8	10.3	11.2	9.3	6.1	6.3	5.1
Stockton	190.5	192.6	195.1	20.5	22.5	17.6	10.8	11.7	9.0
Vallejo-Fairfield-Napa	170.2	179.2	180.6	11.9	12.9	10.9	7.0	7.2	6.0
Colorado	1,730.1	1,712.1	1,707.8	95.2	116.2	112.0	5.5	6.8	6.6
Boulder-Longmont	130.4	130.4	129.1	6.3	7.4	6.9	4.8	5.7	5.3
Denver	917.7	902.2	902.7	43.4	55.5	54.5	4.7	6.1	6.0
Connecticut	1,721.3	1,781.0	1,784.7	83.0	72.9	69.7	4.8	4.1	3.9
Bridgeport-Milford	227.6	236.9	238.3	13.2	11.9	11.7	5.8	5.0	4.9
Hartford	408.2	426.5	425.6	18.2	14.6	14.6	4.4	3.4	3.4
New Britain	72.2	72.9	73.3	4.2	3.4	3.3	5.9	4.7	4.4
New Haven-Meriden	265.2	275.1	274.8	13.0	11.2	10.8	4.9	4.1	3.9
Stamford	117.7	121.8	122.1	4.1	3.6	3.5	3.5	3.0	2.9
Waterbury	104.1	104.1	105.2	6.5	6.6	5.7	6.2	6.3	5.4
Delaware	325.0	333.7	328.2	20.3	19.2	13.6	6.2	5.7	4.1
Wilmington	280.4	283.5	279.1	19.0	19.7	13.8	6.8	7.0	5.0
District of Columbia	338.1	343.8	337.0	28.4	28.0	28.2	8.4	8.1	8.4
Washington	2,001.3	2,097.4	2,080.7	77.9	75.4	71.3	3.9	3.6	3.4
Florida¹	5,423.2	5,720.5	5,698.2	316.3	392.0	337.3	5.8	6.9	5.9
Daytona Beach	133.7	147.3	147.0	5.6	7.9	7.7	4.2	5.3	5.2
Fort Lauderdale-Hollywood-Pompano Beach	567.3	595.4	590.6	26.0	29.7	25.7	4.6	5.0	4.4
Fort Myers-Cape Coral	115.1	122.9	122.9	5.2	6.2	5.5	4.5	5.1	4.4
Gainesville	96.4	100.3	100.7	2.9	3.9	3.8	3.0	3.9	3.8
Jacksonville	413.4	440.4	441.1	21.6	27.0	23.9	5.2	6.1	5.4
Lakeland-Winter Haven	167.7	173.7	169.5	22.3	25.6	21.0	13.3	14.8	12.4
Melbourne-Titusville-Palm Bay	167.2	176.3	175.4	7.5	11.6	10.1	4.5	6.6	5.7
Miami-Hialeah	894.4	928.7	922.0	63.1	69.8	59.2	7.1	7.5	6.4
Orlando	497.8	531.6	534.8	22.3	29.5	26.1	4.5	5.5	4.9
Pensacola	142.0	148.3	148.2	7.6	10.5	10.0	5.4	7.1	6.7
Sarasota	103.9	108.3	109.1	3.7	5.0	4.4	3.6	4.6	4.0
Tallahassee	112.6	117.7	119.5	4.1	5.3	5.2	3.6	4.5	4.3
Tampa-St. Petersburg-Clearwater	888.9	934.0	929.6	40.5	56.0	48.3	4.6	6.0	5.2
West Palm Beach-Boca Raton-Delray Beach	351.1	370.3	367.3	24.9	30.1	23.6	7.1	8.1	6.4

See footnotes at end of table.

STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED

D-1. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Georgia	2,921.7	3,019.3	3,057.1	193.3	198.8	181.2	6.6	6.6	5.9
Albany	56.2	56.0	56.3	5.2	8.2	7.0	9.2	14.6	12.4
Athens	68.3	70.0	70.9	3.8	4.5	3.6	5.6	6.5	5.0
Atlanta	1,330.9	1,401.8	1,416.3	68.3	69.0	67.4	5.1	4.9	4.8
Augusta	168.6	169.0	172.4	10.7	10.4	10.6	6.3	6.1	6.1
Columbus	97.4	98.4	99.3	8.6	7.6	7.3	8.8	7.7	7.4
Macon-Warner Robins	125.3	126.1	128.2	9.1	7.7	7.4	7.3	6.1	5.8
Savannah	102.4	106.6	107.3	7.7	7.3	7.0	7.6	6.8	6.5
Hawaii	482.2	503.8	497.3	27.6	24.6	23.3	5.7	4.9	4.7
Honolulu	361.6	376.9	373.3	18.9	16.4	16.1	5.2	4.3	4.3
Idaho	486.2	497.9	502.3	35.9	39.4	41.1	7.4	7.9	8.2
Boise City	101.0	107.6	107.5	5.3	5.5	5.0	5.3	5.1	4.7
Illinois¹	5,690.6	5,806.8	5,760.4	499.1	451.9	453.4	8.8	7.8	7.9
Aurora-Elgin	166.2	172.2	170.4	11.9	11.2	11.0	7.2	6.5	6.5
Bloomington-Normal	60.3	60.7	60.4	3.5	3.1	2.8	5.7	5.1	4.6
Champaign-Urbana-Rantoul	76.8	80.8	77.7	4.1	3.8	3.7	5.3	4.8	4.7
Chicago	3,120.7	3,188.6	3,160.0	257.9	229.7	233.1	8.3	7.2	7.4
Davenport-Rock Island-Moline	175.7	178.2	176.4	18.9	17.1	17.7	10.8	9.6	10.0
Decatur	58.4	59.0	58.9	6.3	6.2	7.1	10.9	10.5	12.1
Joliet	184.4	187.7	186.6	15.0	13.2	13.1	8.1	7.0	7.0
Kankakee	44.5	44.6	44.3	4.8	4.2	4.1	10.8	9.3	9.2
Lake County	252.4	263.0	259.9	14.4	12.6	12.7	5.7	4.8	4.9
Peoria	153.4	151.9	150.5	16.4	12.9	13.2	10.7	8.5	8.8
Rockford	142.6	144.5	143.7	13.0	12.4	12.4	9.1	8.5	8.7
Springfield	108.1	103.8	108.4	6.6	5.6	5.9	6.1	5.4	5.5
Indiana	2,748.8	2,817.8	2,833.5	195.7	186.9	181.8	7.1	6.6	6.4
Anderson	60.9	62.2	62.5	4.3	4.4	3.9	7.0	7.0	6.3
Elkhart-Goshen	88.5	92.6	92.1	5.1	5.0	4.0	5.8	5.4	4.4
Evansville	144.1	147.7	147.3	9.5	10.1	8.5	6.6	6.8	5.7
Fort Wayne	183.5	191.0	191.2	10.1	10.9	9.2	5.5	5.7	4.8
Gary-Hammond	267.3	268.3	269.9	29.5	27.5	35.7	11.0	10.2	13.2
Indianapolis	635.7	658.6	664.8	35.0	33.6	31.7	5.5	5.1	4.8
Lafayette	61.3	63.2	63.2	2.6	2.2	2.4	4.2	3.5	3.8
Muncie	57.2	58.3	58.4	4.2	4.1	3.9	7.3	7.0	6.6
South Bend-Mishawaka	124.2	127.0	127.5	7.8	8.9	6.9	6.3	7.0	5.4
Terre Haute	60.1	60.2	60.2	4.4	3.9	3.6	7.3	6.5	6.0
Iowa	1,420.1	1,444.0	1,420.9	100.2	98.9	96.3	7.1	6.8	6.8
Cedar Rapids	85.1	87.4	85.3	5.8	5.8	4.8	6.8	6.6	5.7
Des Moines	207.0	210.0	208.5	12.2	12.3	11.7	5.9	5.9	5.6
Dubuque	41.5	(²)	(²)	3.6	(²)	(²)	8.7	(²)	(²)
Iowa City	52.4	(²)	(²)	1.5	(²)	(²)	2.8	(²)	(²)
Sioux City	56.2	57.1	55.6	4.2	4.7	4.3	7.4	8.3	7.8
Waterloo-Cedar Falls	68.5	67.1	69.8	8.7	8.1	12.1	12.7	12.0	17.3
Kansas	1,255.8	1,252.8	1,237.1	60.7	66.6	65.3	4.8	5.3	5.3
Lawrence	35.3	(²)	(²)	1.3	(²)	(²)	3.7	(²)	(²)
Topeka	86.9	87.8	87.4	4.3	4.3	4.2	4.9	4.9	4.8
Wichita	225.2	228.2	224.2	13.2	13.7	13.9	5.9	6.0	6.2
Kentucky	1,692.1	1,711.8	1,711.6	144.4	158.0	129.2	8.5	9.2	7.5
Lexington-Fayette	178.2	178.1	178.1	9.0	10.0	8.3	5.1	5.6	4.7
Louisville	492.4	504.3	505.1	36.3	33.8	29.1	7.4	6.7	5.8
Owensboro	45.0	44.5	44.7	4.1	4.5	4.0	9.0	10.0	9.0
Louisiana	2,004.8	1,978.4	1,968.3	235.9	253.9	243.1	11.8	12.8	12.3
Alexandria	58.9	(²)	(²)	6.2	(²)	(²)	10.6	(²)	(²)
Baton Rouge	259.0	260.1	259.5	28.6	28.1	26.1	11.1	10.8	10.1
Houma-Thibodaux	78.1	75.1	73.9	9.1	13.3	13.5	11.6	17.7	18.3
Lafayette	111.8	108.6	106.8	10.3	15.5	15.1	9.2	14.3	14.2
Lake Charles	76.5	72.0	70.6	11.3	10.7	10.1	14.8	14.9	14.3
Monroe	67.3	68.4	68.4	6.6	6.3	6.0	9.8	9.2	8.7
New Orleans	614.7	590.9	586.2	69.8	62.6	61.3	11.4	10.6	10.5
Shreveport	168.6	162.8	162.7	15.0	18.3	17.4	8.9	11.3	10.7
Maine	570.0	585.3	583.6	25.3	32.8	24.5	4.4	5.6	4.2
Lewiston-Auburn	39.6	40.6	39.8	2.4	3.6	2.3	6.1	8.9	5.7
Portland	113.1	117.8	116.8	3.0	3.6	2.8	2.6	3.1	2.4
Maryland	2,275.0	2,392.6	2,384.6	96.6	100.5	95.7	4.2	4.2	4.0
Baltimore	1,114.1	1,164.7	1,159.5	55.1	55.4	55.3	4.9	4.8	4.8

See footnotes at end of table.

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

D-1. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Massachusetts¹	3,107.9	3,143.2	3,161.5	114.4	120.2	116.9	3.7	3.8	3.7
Boston	1,521.5	1,550.1	1,549.5	50.9	50.5	50.9	3.3	3.3	3.3
Brockton	97.7	96.4	98.5	3.9	4.3	4.2	4.0	4.5	4.2
Fall River	77.8	77.0	80.4	4.0	5.6	4.3	5.2	7.2	5.3
Fitchburg-Leominster	45.4	47.4	48.2	2.0	2.4	2.4	4.4	5.2	5.0
Lawrence-Haverhill	187.7	190.8	189.7	9.0	9.9	9.3	4.8	5.2	4.9
Lowell	151.5	155.9	155.8	5.9	6.0	6.7	3.9	3.8	4.3
New Bedford	90.8	88.4	89.8	4.9	5.4	4.4	5.3	6.1	4.9
Pittsfield	41.8	42.6	42.7	1.4	1.8	1.5	3.4	4.2	3.5
Springfield	248.5	248.9	249.5	9.5	10.3	10.0	3.8	4.2	4.0
Worcester	204.3	207.9	208.7	7.3	8.0	8.3	3.6	3.9	4.0
Michigan¹	4,398.6	4,468.3	4,411.5	426.2	411.1	347.4	9.7	9.2	7.9
Ann Arbor	144.1	146.0	147.8	9.6	8.1	6.8	6.7	5.6	4.6
Battle Creek	63.5	(²)	(²)	6.0	(²)	(²)	9.5	(²)	(²)
Benton Harbor	76.1	(²)	(²)	7.4	(²)	(²)	9.8	(²)	(²)
Detroit	2,112.7	2,169.9	2,140.1	202.2	197.3	161.6	9.6	9.1	7.8
Flint	204.0	199.6	198.6	28.4	22.6	20.9	13.9	11.3	10.6
Grand Rapids	337.3	336.9	332.9	26.9	26.3	22.9	8.0	7.8	6.9
Jackson	62.8	(²)	(²)	6.3	(²)	(²)	10.0	(²)	(²)
Kalamazoo	110.4	111.9	110.9	6.9	6.6	6.3	6.3	5.9	5.7
Lansing-East Lansing	220.5	229.6	228.1	15.9	16.4	14.9	7.2	7.2	6.5
Muskegon	70.7	(²)	(²)	8.2	(²)	(²)	11.6	(²)	(²)
Saginaw-Bay City-Midland	180.8	182.0	180.4	17.5	19.1	15.6	9.7	10.5	8.6
Minnesota	2,257.2	2,273.5	2,253.9	114.2	111.6	97.5	5.1	4.9	4.3
Duluth	101.7	104.4	102.4	9.1	9.0	7.8	8.9	8.6	7.6
Minneapolis-St. Paul	1,305.0	1,329.2	1,327.0	54.7	54.4	48.5	4.2	4.1	3.7
Rochester	58.9	(²)	(²)	2.2	(²)	(²)	3.7	(²)	(²)
St. Cloud	85.8	88.7	87.5	5.1	4.5	4.0	5.9	5.1	4.6
Mississippi	1,130.0	1,173.1	1,159.2	117.3	152.0	147.1	10.4	13.0	12.7
Jackson	188.1	194.5	193.6	13.4	17.2	16.6	7.1	8.8	8.6
Missouri	2,506.2	2,576.0	2,586.8	152.3	159.7	162.3	6.1	6.2	6.3
Kansas City	825.9	811.9	814.3	38.1	37.8	36.2	4.6	4.7	4.5
St. Joseph	42.4	(²)	(²)	2.9	(²)	(²)	6.8	(²)	(²)
St. Louis	1,225.8	1,270.5	1,266.1	90.0	91.5	94.3	7.3	7.2	7.4
Springfield	116.0	118.2	121.3	5.3	5.1	5.9	4.6	4.3	4.9
Montana	418.9	414.1	410.5	26.8	30.0	26.6	6.4	7.3	6.5
Nebraska	819.2	831.9	809.8	40.1	37.0	31.9	4.9	4.5	3.9
Lincoln	115.3	115.5	113.6	3.7	3.4	3.1	3.2	2.9	2.7
Omaha	315.9	314.8	307.2	17.3	16.6	14.0	5.5	5.3	4.6
Nevada	514.3	532.5	531.6	37.6	30.0	27.8	7.3	5.6	5.2
Las Vegas	291.7	303.5	302.6	23.9	19.2	17.5	8.2	6.3	5.8
Reno	130.3	135.1	135.2	7.5	5.9	5.7	5.8	4.4	4.2
New Hampshire	547.1	576.1	564.8	19.8	21.5	16.5	3.6	3.7	2.9
Manchester	81.1	(²)	(²)	2.3	(²)	(²)	2.8	(²)	(²)
Nashua	89.7	89.8	87.3	3.5	3.2	2.7	3.9	3.5	3.1
New Jersey¹	3,875.3	4,013.0	3,965.7	171.3	227.3	177.0	4.4	5.7	4.5
Atlantic City	181.6	(²)	(²)	8.7	(²)	(²)	4.8	(²)	(²)
Bergen-Passaic	696.6	723.3	714.0	29.8	39.1	30.5	4.3	5.4	4.3
Jersey City	263.4	270.9	266.0	18.7	25.3	19.5	7.1	9.4	7.3
Middlesex-Somerset-Hunterdon	521.7	551.9	545.5	18.4	25.2	19.5	3.5	4.6	3.6
Monmouth-Ocean	460.4	488.1	482.4	15.4	20.9	16.1	3.3	4.3	3.3
Newark	966.0	977.9	959.7	45.7	59.9	46.6	4.7	6.1	4.9
Trenton	161.6	170.2	168.8	6.5	8.3	7.1	4.0	4.9	4.2
Vineland-Millville-Bridgeton	56.3	(²)	(²)	3.9	(²)	(²)	7.0	(²)	(²)
New Mexico	644.5	687.7	680.3	55.1	65.2	61.2	8.6	9.5	9.0
Albuquerque	240.1	258.5	256.2	15.8	17.0	16.4	6.6	6.6	6.4
Las Cruces	49.9	55.0	55.7	4.4	4.3	3.9	8.8	7.9	6.9
Santa Fe	61.2	65.7	64.9	3.1	3.7	3.3	5.1	5.7	5.1

See footnotes at end of table.

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

D-1. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
New York¹	8,483.7	8,595.2	8,529.1	517.4	540.8	500.5	6.1	6.3	5.9
Albany-Schenectady-Troy	409.8	423.4	421.4	18.8	20.8	20.0	4.6	4.9	4.7
Binghamton	129.8	128.2	127.2	8.2	7.2	6.9	6.3	5.6	5.5
Buffalo	438.0	453.2	449.5	29.2	32.9	31.6	6.7	7.3	7.0
Elmira	39.7	40.9	41.0	3.1	2.4	2.5	7.9	5.8	6.0
Glens Falls	53.7	55.2	54.9	2.9	3.0	2.7	5.3	5.4	5.0
Nassau-Suffolk	1,405.3	1,469.1	1,456.3	63.4	66.7	65.0	4.5	4.5	4.5
New York	3,943.7	3,910.7	3,872.9	277.2	278.1	245.7	7.0	7.1	6.3
New York City ¹	3,273.0	3,226.0	3,191.0	253.0	255.0	219.0	7.7	7.9	6.9
Orange County	124.0	128.1	128.3	6.0	6.2	6.3	4.9	4.8	4.9
Poughkeepsie	129.1	131.8	131.1	4.3	4.7	5.0	3.3	3.6	3.8
Rochester	492.5	504.3	502.2	23.1	28.6	27.5	4.7	5.7	5.5
Syracuse	311.4	323.3	320.4	17.8	23.3	22.5	5.7	7.2	7.0
Utica-Rome	139.2	138.8	138.7	9.0	8.6	8.1	6.4	6.2	5.8
North Carolina¹	3,154.3	3,262.2	3,239.1	183.2	167.1	165.9	5.8	5.1	5.1
Asheville	88.8	91.3	90.1	4.6	4.1	4.5	5.2	4.5	5.0
Charlotte-Gastonia-Rock Hill	580.2	602.1	600.7	32.4	28.8	27.6	5.6	4.8	4.6
Greensboro-Winston-Salem-High Point	494.5	515.6	508.8	24.4	22.6	22.2	4.9	4.4	4.4
Raleigh-Durham	369.7	385.5	384.9	11.4	12.1	13.2	3.1	3.1	3.4
North Dakota	363.0	358.7	357.0	17.8	22.0	19.7	4.9	6.1	5.5
Bismarck	47.2	46.9	46.4	2.9	3.0	2.7	6.2	6.4	5.9
Fargo-Moorhead	81.0	82.5	81.5	2.9	3.3	2.7	3.6	4.0	3.3
Grand Forks	35.0	36.0	35.0	1.3	1.4	1.4	3.6	3.8	4.1
Ohio¹	5,207.0	5,287.4	5,254.6	455.8	412.2	422.3	8.8	7.8	8.0
Akron	319.7	324.3	322.6	27.7	23.3	24.7	8.7	7.2	7.7
Canton	191.6	(²)	(²)	18.8	(²)	(²)	9.8	(²)	(²)
Cincinnati	716.6	735.1	731.3	51.0	46.8	46.4	7.1	6.4	6.3
Cleveland	940.8	949.4	941.4	78.7	71.3	72.4	8.4	7.5	7.7
Columbus	657.7	686.4	684.1	42.9	39.7	41.5	6.5	5.8	6.1
Dayton-Springfield	454.0	459.2	458.3	33.9	29.1	30.4	7.5	6.3	6.6
Toledo	296.8	306.7	304.5	23.3	28.0	26.8	7.8	9.1	8.8
Youngstown-Warren	223.7	(²)	(²)	27.7	(²)	(²)	12.4	(²)	(²)
Oklahoma	1,563.7	1,617.3	1,604.1	106.1	142.8	148.1	6.8	8.8	9.2
Enid	31.8	(²)	(²)	2.0	(²)	(²)	6.3	(²)	(²)
Lawton	46.5	48.3	46.8	2.2	2.5	2.5	4.8	5.2	5.2
Oklahoma City	514.3	521.0	518.8	28.9	36.6	48.3	5.6	7.0	9.3
Tulsa	344.5	364.0	359.6	23.4	32.8	31.0	6.8	9.0	8.6
Oregon	1,331.5	1,358.9	1,374.7	103.7	120.5	113.7	7.8	8.9	8.3
Eugene-Springfield	128.0	132.0	133.4	9.5	11.6	11.3	7.4	8.8	8.4
Portland	598.2	608.6	612.5	43.3	48.9	45.6	7.2	8.0	7.5
Salem	127.8	127.5	134.2	8.4	11.0	10.4	6.5	8.6	7.7
Pennsylvania¹	5,630.6	5,752.8	5,753.8	409.8	386.9	364.1	7.3	6.7	6.3
Allentown-Bethlehem	318.7	322.7	320.0	21.9	24.4	19.8	6.9	7.6	6.2
Altoona	59.8	61.5	60.7	5.2	5.5	4.2	8.7	9.0	6.9
Beaver County	69.9	66.3	65.7	10.3	7.1	6.8	14.7	10.6	10.3
Erie	128.3	130.8	130.9	9.6	10.7	10.7	7.5	8.1	8.2
Harrisburg-Lebanon-Carlisle	303.3	312.7	311.8	14.1	14.7	12.7	4.6	4.7	4.1
Johnstown	97.7	98.2	97.1	10.8	9.9	8.6	11.1	10.1	8.9
Lancaster	204.4	212.7	215.4	8.0	8.4	6.9	3.9	3.9	3.2
Philadelphia	2,333.3	2,393.6	2,403.1	132.4	126.4	124.2	5.7	5.3	5.2
Pittsburgh	971.7	989.2	993.0	82.8	73.3	77.6	8.5	7.4	7.8
Reading	166.7	170.6	170.2	10.9	11.3	9.0	6.6	6.6	5.3
Scranton-Wilkes-Barre	343.6	357.2	349.9	29.2	33.7	24.5	8.5	9.4	7.0
Sharon	49.6	50.5	50.8	4.2	3.7	3.9	8.5	7.3	7.7
State College	53.9	56.2	57.2	3.3	3.2	3.1	6.2	5.7	5.4
Williamsport	54.4	57.2	56.9	4.0	3.4	3.2	7.4	6.0	5.7
York	207.4	209.6	209.6	13.2	11.6	10.3	6.4	5.6	4.9
Rhode Island	500.6	504.3	508.4	22.7	20.4	17.0	4.5	4.0	3.3
Pawtucket-Woonsocket-Attleboro	164.9	162.8	166.1	8.3	8.3	7.1	5.0	5.1	4.3
Providence	322.8	325.7	327.4	14.9	13.0	10.9	4.6	4.0	3.3
South Carolina	1,588.4	1,641.9	1,662.1	106.0	110.7	98.2	6.7	6.7	5.9
Charleston	211.1	223.0	227.1	9.2	11.6	10.6	4.3	5.2	4.7
Columbia	214.8	224.2	227.5	7.5	9.4	8.6	3.5	4.2	3.8
Greenville-Spartanburg	309.8	320.5	324.9	18.5	18.8	15.6	6.0	5.9	4.8
South Dakota	359.3	363.9	359.9	15.7	15.0	14.6	4.4	4.1	4.1
Rapid City	39.0	39.5	39.0	1.6	1.4	1.3	4.1	3.4	3.5
Sioux Falls	69.8	69.9	69.4	2.5	2.2	2.3	3.6	3.1	3.3

See footnotes at end of table.

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

D-1. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P	Aug. 1985	July 1986	Aug. 1986 ^P
Tennessee	2,264.1	2,329.3	2,313.3	174.7	199.1	170.7	7.7	8.5	7.4
Chattanooga	197.1	205.5	203.1	13.5	14.5	12.7	6.8	7.1	6.3
Johnson City-Kingsport-Bristol	212.3	214.8	212.6	15.6	16.7	14.1	7.3	7.8	6.7
Knoxville	270.0	278.3	276.9	18.3	21.6	18.9	6.8	7.8	6.8
Memphis LMA	425.1	428.6	430.9	27.8	29.5	27.2	6.5	6.9	6.3
Nashville	490.4	499.2	497.1	23.8	26.2	23.6	4.8	5.2	4.7
Texas¹	8,144.4	8,279.4	8,128.6	566.7	773.5	740.0	7.0	9.3	9.1
Abilene	55.8	56.7	55.4	3.1	5.7	5.4	5.6	10.1	9.7
Amarillo	103.0	101.9	100.2	5.5	7.0	6.6	5.4	6.9	6.6
Austin	414.4	421.7	413.5	18.8	24.6	23.9	4.5	5.8	5.8
Beaumont-Port Arthur	170.5	162.3	157.9	23.7	25.2	23.7	13.9	15.5	15.0
Brazoria	80.0	80.3	78.5	7.2	9.7	9.1	9.0	12.1	11.7
Brownsville-Harlingen	92.3	95.2	93.1	12.1	15.4	14.0	13.1	16.2	15.1
Bryan-College Station	55.7	(²)	(²)	2.8	(²)	(²)	5.0	(²)	(²)
Corpus Christi	167.0	170.6	166.0	15.5	21.2	20.2	9.3	12.4	12.2
Dallas	1,379.5	1,419.4	1,393.1	67.2	83.5	80.4	4.9	5.9	5.8
El Paso	216.0	216.5	211.6	22.3	27.0	24.6	10.3	12.5	11.6
Fort Worth-Arlington	639.4	650.5	641.5	32.5	45.4	42.9	5.1	7.0	6.7
Galveston-Texas City	108.2	108.1	106.0	10.7	12.6	12.0	9.9	11.6	11.3
Houston	1,672.1	1,681.7	1,650.9	129.8	181.2	175.2	7.8	10.8	10.6
Killeen-Temple	87.1	89.1	87.2	5.8	7.4	6.9	6.7	8.2	7.9
Laredo	42.6	(²)	(²)	5.3	(²)	(²)	12.4	(²)	(²)
Longview-Marshall	82.0	82.7	80.6	7.7	11.2	10.4	9.3	13.6	12.9
Lubbock	109.9	109.0	107.4	6.4	7.7	7.1	5.8	7.1	6.6
McAllen-Edinburg-Mission	130.5	134.1	132.6	24.2	26.1	25.4	18.6	19.5	19.9
Midland	54.0	54.2	52.9	3.0	6.7	6.5	5.5	12.4	12.3
Odessa	62.2	62.3	60.6	4.0	11.1	10.5	6.4	17.8	17.3
San Angelo	45.1	(²)	(²)	2.3	(²)	(²)	5.2	(²)	(²)
San Antonio	559.7	567.3	557.9	33.4	42.5	41.4	6.0	7.5	7.4
Sherman-Denison	46.6	(²)	(²)	3.1	(²)	(²)	6.6	(²)	(²)
Texarkana	57.5	(²)	(²)	4.8	(²)	(²)	8.4	(²)	(²)
Tyler	76.4	77.2	77.0	6.4	6.7	7.1	8.4	8.7	9.2
Victoria	39.2	(²)	(²)	2.6	(²)	(²)	6.6	(²)	(²)
Waco	88.4	89.4	87.7	5.3	7.5	7.1	6.0	8.4	8.1
Wichita Falls	56.8	(²)	(²)	3.2	(²)	(²)	5.6	(²)	(²)
Utah	734.6	757.3	762.0	37.1	42.3	40.2	5.0	5.6	5.3
Provo-Orem	90.2	92.6	93.4	5.1	4.8	4.7	5.6	5.1	5.1
Salt Lake City-Ogden	485.4	504.3	506.4	22.7	25.6	24.1	4.7	5.1	4.8
Vermont	275.4	285.1	287.4	11.0	11.2	10.1	4.0	3.9	3.5
Burlington	68.3	68.9	70.2	2.2	2.1	2.0	3.3	3.1	2.9
Virginia	2,886.1	2,943.5	2,930.6	155.5	139.4	128.2	5.4	4.7	4.4
Charlottesville	61.1	(²)	(²)	2.7	(²)	(²)	4.4	(²)	(²)
Danville	52.6	(²)	(²)	5.5	(²)	(²)	10.5	(²)	(²)
Lynchburg	71.8	72.9	72.6	4.9	4.4	3.9	6.8	6.0	5.4
Norfolk-Virginia Beach-Newport News	577.5	590.7	593.2	29.4	26.8	26.1	5.1	4.5	4.4
Richmond-Petersburg	410.7	410.2	408.8	18.4	17.4	16.0	4.5	4.2	3.9
Roanoke	117.1	118.5	117.4	5.5	5.5	4.9	4.7	4.6	4.1
Washington	2,118.8	2,251.7	2,256.9	150.8	182.1	171.7	7.1	8.1	7.6
Seattle	923.9	989.1	995.6	55.2	64.4	61.5	6.0	6.5	6.2
West Virginia	758.2	747.2	734.6	82.6	88.8	84.9	10.9	11.9	11.6
Charleston	119.8	118.3	116.8	10.8	10.6	10.9	9.0	9.0	9.3
Huntington-Ashland	127.5	127.9	126.1	13.3	14.2	12.9	10.4	11.1	10.2
Parkersburg-Marietta	72.8	71.5	71.1	7.2	7.6	7.4	9.9	10.6	10.5
Wheeling	75.1	73.5	71.0	8.7	8.7	7.5	11.6	11.8	10.6
Wisconsin	2,379.0	2,415.8	2,428.8	145.4	157.9	149.9	6.1	6.5	6.2
Appleton-Oshkosh-Neenah	157.9	160.9	162.5	8.7	10.5	9.4	5.5	6.5	5.8
Eau Claire	65.4	67.4	67.5	4.0	4.0	3.8	6.2	6.0	5.6
Green Bay	98.9	99.7	101.7	5.1	5.5	5.4	5.1	5.5	5.3
Janesville-Beloit	68.0	68.2	69.4	4.6	5.2	9.0	6.8	7.7	13.0
Kenosha	52.8	51.7	51.6	5.8	5.8	5.1	10.9	11.3	9.9
La Crosse	48.9	50.4	50.7	2.5	2.6	2.5	5.1	5.6	4.9
Madison	203.4	206.3	207.3	7.7	8.7	8.5	3.8	4.2	4.1
Milwaukee	703.8	713.9	719.2	42.5	43.9	42.0	6.0	6.2	5.8
Racine	83.2	83.8	84.7	7.2	7.0	6.6	8.6	8.4	7.8
Sheboygan	53.2	54.5	54.6	2.7	3.4	2.9	5.0	6.2	5.3
Wausau	55.3	56.4	57.0	3.9	3.7	3.5	7.0	6.6	6.1
Wyoming	267.6	260.3	257.0	16.3	23.5	20.5	6.1	9.0	8.0

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

² Not available.

³ Publication of data has been suspended due to budget cuts.

^P = preliminary.

NOTE: Data refer to place of residence. Estimates for 1985 have been

benchmarked to 1985 Current Population Survey annual averages. Except in the 11 States and 2 areas designated by footnote 1, estimates for 1986 are provisional and will be revised when new benchmark information becomes available. Area definitions are published annually in the May issue of this publication.

Explanatory Notes

Introduction

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

Data based on household interviews are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed, and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 59,500 households, representing 729 areas in 1,973 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

Data based on establishment records are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The establishment survey is designed to provide industry information on nonagricultural 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 250,000 establishments employing over 38 million nonagricultural wage and salary workers. The data relate to all workers, full or part time, who received pay during the payroll period which includes the 12th day of the month.

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

Data from these two sources differ from each other

because of differences in definitions and coverage, sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on the levels and trends of the two series are as follows.

Employment

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

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

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

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

Hours of work

The household survey measures hours actually worked whereas the payroll survey measures hours paid for by employers. In the household survey data, all persons with a job but not at work are excluded from the hours distributions and the computations of average hours. In the payroll survey, production or nonsupervisory employees on paid vacation, paid holiday, or paid sick leave are included and assigned the number of hours for which they were paid during the reporting period.

Earnings

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

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

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

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

sometimes eligible for unemployment compensation but are classified as employed rather than unemployed in the household survey.

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

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

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

Statistics on manufactures and business, Bureau of the Census. BLS establishment statistics on employment differ from employment counts derived by the Bureau of 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 nonagricultural wage and salary workers are covered by the unemployment insurance programs. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in the BLS establishment statistics.

Household Data (A tables)

COLLECTION AND COVERAGE

Statistics on the employment status of the population, the personal, occupational, and other characteristics of the employed, the unemployed, and persons not in the labor force, and related data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). A detailed description of this survey appears in *Concepts and Methods Used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463. Historical national data are published in *Labor Force Statistics Derived From the Current Population Survey: A Databook*, BLS Bulletin 2096.

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

Inmates of institutions and persons under 14 years of age are not covered in the regular monthly enumerations, and are excluded from the population and labor force statistics shown in this report. Data on the members of the Armed Forces stationed in the United States, who are included as part of the categories "noninstitutional population," "labor force," and "total employment," are obtained from the Department of Defense.

Each month about 59,500 occupied units are eligible for interview. About 2,500 of these households are visited but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of between 4 or 5 percent. In addition to the 59,500 occupied units, there are 11,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next and one half to be common with the same month a year earlier.

CONCEPTS AND DEFINITIONS

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

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

Each employed person is counted only once. Those who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week.

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

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

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

Unemployment is also categorized according to the status of individuals at the time they began to look for work. The reasons for unemployment are divided into four major groups. (1) *Job losers* are persons whose employment ended involuntarily who immediately began looking for work, and persons on layoff. (2) *Job leavers* are persons who quit or otherwise terminated

their employment voluntarily and immediately began looking for work. (3) *Reentrants* are persons who previously worked at a full-time job lasting 2 weeks or longer but were out of the labor force prior to beginning to look for work. (4) *New entrants* are persons who never worked at a full-time job lasting 2 weeks or longer. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

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

The *civilian labor force* comprises all civilians classified as employed or unemployed in accordance with the criteria described above. The *labor force* also includes members of the Armed Forces stationed in the United States.

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

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

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

Employment-population ratios represent the proportion of the noninstitutional population that is employed. The *total employment-population ratio* is total employment, including the resident Armed Forces,

as a percent of the noninstitutional population. The *civilian employment-population ratio* is the percentage of all employed civilians in the civilian noninstitutional population.

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

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

Occupation, industry, and class of worker for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their last full-time job lasting 2 weeks or more. The classifications of occupations and industries used in data derived from the CPS are defined as in the 1980 census. Information on the detailed categories included in these groups is available upon request.

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

whom they are related by birth or marriage.

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

Persons who worked 35 hours or more during the survey week are designated as working *full time*. Persons who worked between 1 and 34 hours are designated as working *part time*. Part-time workers are classified by their usual status at their present job (either full or part time) and by their reason for working part time during the survey week (economic or noneconomic reasons). Economic reasons include: Slack work, material shortages, repairs to plant or equipment, start or termination of a job during the week, and inability to find full-time work. Noneconomic reasons include: Labor dispute, bad weather, own illness, vacation, demands of home or school, no desire for full-time work, and full-time worker only during peak season. Persons on full-time schedules include, in addition to those working 35 hours or more, those who worked from 1 to 34 hours for noneconomic reasons and usually work full time.

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

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

Unemployment rates for full- and part-time workers are calculated using the concepts of the *full-* and *part-time labor force* which are based on the type of job—full or part-time—that persons—whether working or unemployed—report that they want. The "full-time labor force" includes all persons working part time but who desire full-time work, that is, working part time for economic reasons. Thus, this category consists of per-

sons 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, interviewers are instructed to define the term as more than half the weeks worked during the past 4 or 5 months. Data refer to wage and salary workers (excluding the incorporated self-employed) who usually work full time on their sole or primary job.

Median earnings indicate the value which divides the earnings distribution into two equal parts, one part hav-

ing values above the median and the other having values below the median. The medians as shown in this publication are calculated by linear interpolation of the \$50 centered interval within which each median falls.

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

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

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

A *householder* is the person (or one of the persons) in whose name the housing unit is owned or rented. The term is never applied to either husbands or wives in married-couple families but relates only to persons in families maintained by either men or women without a spouse.

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

Poverty areas are defined as those census tracts in tracted areas, and Minor Civil Division's (MCD's) in untraced areas, in which 20 percent or more of the noninstitutional residents were poor according to the

1980 decennial census. Persons were classified as poor or nonpoor by comparing money income to a series of poverty income thresholds which vary by family size and number of children. While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas, and, conversely, the areas include many people who are not poor.

The *metropolitan areas* classification consists of the total of all Metropolitan Statistical Areas (MSA's) as defined by the Office of Management and Budget (OMB) as of June 30, 1984. These definitions differ from those used in the 1980 decennial census. A detailed discussion of the MSA definitions as well as changes in terminology can be found in "The New Metropolitan Area Definitions" section of the *1980 Census of Population Supplementary Report on Metropolitan Statistical Areas*, PC-S1-18. Nonmetropolitan areas consist of the total territory outside MSA's.

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

HISTORICAL COMPARABILITY

Change in lower age limit

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

Noncomparability of labor force levels

In addition to the changes introduced in 1967, there are several other periods of noncomparability in the labor force data: (1) Beginning in 1953, as a result of introducing data from the 1950 census into the estimating procedures, population levels were raised by about 600,000; labor force, total employment, and agricultural employment were increased by about

350,000, primarily affecting the figures for totals and men; other categories were relatively unaffected. (2) Beginning in 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force, four-fifths of this increase was in nonagricultural employment; other labor force categories were not appreciably affected. (3) Beginning in 1962, the introduction of data from the 1960 census reduced the population by about 50,000 and labor force and employment by about 200,000; unemployment totals were virtually unchanged. (4) Beginning in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by about 800,000; labor force and employment totals were raised by a little more than 300,000; and unemployment levels and rates were essentially unchanged. (5) A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment, which affected the white and black-and-other groups but had little effect on totals, resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black-and-other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black-and-other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

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

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

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

the Current Population Survey in January 1978” in the February 1978 issue of *Employment and Earnings*.

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

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

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

Beginning in January 1983, the first-stage ratio adjustment methodology was updated to account for results obtained from the 1980 census. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in “Revisions in the Current Population Survey Beginning in January 1983” in the February 1983 issue of *Employment and Earnings*. There were only slight differences between the old and new procedures in estimates of levels for the various labor force characteristics and vir-

tually 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 Estimation Procedure in the Current Population Survey Beginning in January 1985” in the February 1985 issue of this publication. Overall, the revisions had only a slight effect on most estimates. The greatest impact was on estimates of persons of Hispanic origin. Major estimates were revised back to January 1980.

Beginning in January 1986, the population controls used in the second-stage ratio adjustment methodology were revised to reflect an explicit estimate of the number of undocumented immigrants (largely Hispanic) since 1980 and an improved estimate of the number of legal foreign-born emigrants for the same time period. As a result, the total civilian population and labor force estimates were raised by nearly 400,000; civilian employment was increased by about 350,000. The Hispanic-origin civilian population and labor force estimates were raised by about 425,000 and 305,000, respectively, and civilian employment by 270,000. Overall and subgroup unemployment levels and rates were not significantly affected. Because of the magnitude of the adjustments for Hispanics, data have been revised back to January 1980 to the extent possible. An explanation of the changes and their effect on estimates of labor force characteristics appears in “Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986” in the February 1986 issue of this publication.

Changes in the occupational and industrial classification systems

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

and February 1972 issues, respectively, of *Employment and Earnings*.

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

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

The industrial classification system used in the 1980 census is based on the 1972 Standard Industrial Classification (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 administration.”

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

Changes in the sample design

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

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, the number of sample areas and the number of sample persons are increased occasionally. In 1953, the current rotation plan was introduced in which a sample unit is interviewed for 4 months, leaves the sample for 8 months, and then returns to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was

begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated into the design. In October 1978 a coverage improvement sample, composed of approximately 450 sample household units which represented 237,000 occupied mobile homes and 600,000 new construction housing units, was included in computing the estimates in order to provide coverage of mobile homes and new construction units that previously had no chance for selection in the CPS sample selected from the 1970 census frame. In January 1980, another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added to the existing sample. A sample reduction of about 6,000 units was implemented in May 1981. Beginning in January 1982, the sample was expanded by 100 households to provide additional coverage in counties added to SMSA's, which were redefined in 1973.

Beginning in 1985, a new State-based CPS sample was selected based on 1980 census information rather than 1970 census information. The selection of new sample areas provided an opportunity to improve the efficiency of the sample design. Sample areas chosen to replace incoming sample areas account for only 10 percent of the national estimate. The new CPS sample has resulted in increased reliability for State estimates with a slightly reduced sample size. The reliability of national estimates is unaffected. Sample households are chosen from 729 sample areas, which represent 1,973 geographic areas in the United States. This current number of sample areas is not completely comparable to the old number of sample areas since many of the sample areas have been redefined. (See pp. 7-10 of the May 1984 issue of *Employment and Earnings*, for an overview of these new definitions and the introduction of the new sample.)

Table A provides a description of some aspects of the CPS sample design in use during the different data collection periods. A more detailed account of the history of the CPS sample design appears in the *Current Population Survey: Design and Methodology*, Technical Paper No. 40, Bureau of the Census, or *Concepts and Methods Used in Labor Force Statistics Derived From the Current Population Survey*, Report 463, Bureau of Labor Statistics.

ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire

panel of respondents. The estimation procedure involves weighting the data from each sample person by the inverse of the probability of the person being in the sample. This gives a rough measure of the number of actual persons that the sample person represents. Beginning in 1985, almost all sample persons within the same State will have the same probability of selection. These estimates are then adjusted for noninterviews, and the ratio estimation procedure is applied.

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

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

a. *First-stage ratio estimate.* In the CPS, a portion of the 729 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The adjustment is made at the State level for each of the 43 States which contains nonsample areas by race cells of black and non-black. The procedure corrects for differences that existed in each cell at the time of the 1980 census between the race distribution of the population in sample areas and the known race distribution of the State.

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

Time period	Number of sample areas	Households eligible		Households visited but not eligible
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954	68	21,000	500-1,000	3,000-3,500
Feb. 1954 to Apr. 1956	230	21,000	500-1,000	3,000-3,500
May 1956 to Dec. 1959	330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963	333	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 present	729	57,000	2,500	11,000

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

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

b. *Second-stage ratio estimate.* In this stage, the sample proportions of persons in specific categories are adjusted to the distribution of independent current estimates of the civilian noninstitutional population in the same categories. The second-stage ratio adjustment which is performed to further reduce variability of the estimates and to correct to some extent for CPS under-coverage relative to the decennial census, is carried out in three steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over. The second step involves an adjustment by Hispanic origin to a national estimate for 8 age-sex categories by Hispanic and non-Hispanic. In the third step, a national adjustment is made by the race categories of white, black, and other races to independent estimates by age and sex. The white and black categories contain 32 age-sex groups each while the other races category has 6 age-sex cells. The entire second-stage adjustment procedure is iterated six times, each time beginning at the weights developed the previous time. This ensures that the sample estimates of the population for both State and national age-sex-race-origin categories will be virtually equal to the independent population control totals. This second-stage adjustment procedure incorporates changes instituted in January 1985. The nature and effect of these changes are discussed in detail in "Changes in Estimation Procedure in the Current Population Survey Beginning in January 1985" in the February 1985 issue of *Employment and Earnings*.

The controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1, 1980, census through the latest available July 1 estimate, 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, use Report 640 of that series. A description of the age estimates methodology is available upon request from the Chief of the Population Division, U.S. Bureau of the Census, Washington, D.C. 20233.

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

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

Data on births and deaths between April 1, 1980, and the estimate date are based on tabulations of vital statistics for the resident population made by the National Center for Health Statistics and data on deaths of military personnel overseas from the Department of Defense. Estimates of net civilian immigration are based on data provided by the Immigration and Naturalization Service, the Department of Defense, the Office of Personnel Management, and the Puerto Rico Planning Board. The civilian noninstitutional population is derived by subtracting the Armed Forces and the institutional population for the estimate date from the total including Armed Forces overseas. The institutional population is computed by applying institutional proportions derived from the 1980 census to the total population, including Armed Forces overseas for the estimate date. All computations described above are performed in cells defined by single year of age, race, and sex. The independent national control totals are then obtained by collapsing these cells into broader age groups for the population 16 years and older.

Beginning in January 1986, two changes were introduced into the estimation of the independent population controls. For the first time, an explicit allowance for net undocumented immigration since April 1, 1980 (the census date) was added to the estimated level of legal immigration. In addition, an increase in the estimate of emigration of legal foreign-born residents has been incorporated into the 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.* In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent), as well as the sample results for the current month. Also included is an additional term which is an estimate of the net difference between incoming and continuing parts of the current month's sample. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of level are also improved, but to a lesser extent.

Rounding of estimates

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Similarly, sums of percent distributions may not always equal 100 percent because of rounding. Differences, however, are insignificant.

Reliability of the estimates

There are two types of errors possible in an estimate

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

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

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

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

The effects of some components of nonsampling error in the CPS data can be examined as a result of the rotation plan used for the sample, since the level of the estimates varies by rotation group. A description of these effects appears in the "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

racers 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 error and describes attempts to measure them in the CPS.

Sampling error. The standard error is primarily a measure of sampling variability, that is, of the variation that occurs by chance because a sample rather than the entire population is surveyed. The sample estimate and its estimated standard error enable one to construct confidence intervals, ranges that would include the average of all possible samples with a known probability. For example, if all possible samples were selected, each of these surveyed under essentially the same general conditions and using the same sample design, and an estimate and its estimated error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.
2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard error above the estimate would include the average of all possible samples.
3. Approximately 95 percent of the intervals from 2 standard errors below the estimate to 2 standard errors above the estimate would include the average result of all possible samples.

In order to derive standard errors that would be applicable to a large number of estimates and could be prepared at a moderate cost, a number of approximations are required. First, the standard errors in this volume reflect the sample design and estimation procedures in effect prior to the expansions for State

estimates. Thus, these standard errors may slightly overstate the standard errors applicable to the present design. Second, instead of computing an individual standard error for each estimate, generalized sets of standard errors are computed for various types of characteristics. This generalization yields more stable estimates of the standard errors. Consequently, the sets of standard errors provided give an indication of the order of magnitude of the standard error of an estimate rather than the precise standard error.

Tables B and C show approximate standard errors for major employment status characteristics for monthly estimates and for changes for consecutive months. These standard errors are applicable to the level of the estimates in recent months (1985 annual averages).

Tables D through H provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table I contains factors for use with table H for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the table may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between 2 consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard errors for levels, labor force participation rates, and percentages as pertaining to the year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50, and for the 1956-66 period, they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates of persons and families for use with the CPS earnings data.

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

Table B. Standard errors for major employment status categories

(In thousands)

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
Total, 16 years and over:		
Civilian labor force	244	187
Employed	263	200
Unemployed	131	134
Men, 20 years and over:		
Civilian labor force	148	127
Employed	162	141
Unemployed	89	91
Women, 20 years and over:		
Civilian labor force	189	140
Employed	190	144
Unemployed	82	85
Both sexes, 16 to 19 years:		
Civilian labor force	83	91
Employed	86	97
Unemployed	57	63
Black, 16 years and over:		
Civilian labor force	82	63
Employed	92	70
Unemployed	65	67
Men, 20 years and over:		
Civilian labor force	49	43
Employed	56	50
Unemployed	43	46
Women, 20 years and over:		
Civilian labor force	67	44
Employed	67	48
Unemployed	43	46
Both sexes, 16 to 19 years:		
Civilian labor force	33	37
Employed	30	34
Unemployed	30	32

Illustration. Assume that in a given month the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table D shows that the standard error on an estimate of 12,000,000 is about 159,000. The 68-percent confidence interval as shown by these data is from 11,841,000 to 12,159,000. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in the first column of table E, the standard error on a month-to-month change of 400,000, when the monthly level is approximately 12,000,000, is about 118,000.

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

Table C. Standard errors for unemployment rates by major characteristics

Characteristic	Standard error of—		Characteristic	Standard error of—	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers)	0.11	0.12			
Men, 20 years and over . . . . .	.15	.15			
Women, 20 years and over . . . . .	.17	.18			
Both sexes, 16 to 19 years . . . . .	.65	.77			
White workers . . . . .	.11	.12			
Black workers . . . . .	.52	.54			
Married men, spouse present . . . . .	.15	.16			
Married women, spouse present . . . . .	.21	.23			
Full-time workers . . . . .	.12	.12			
Part-time workers . . . . .	.34	.42			
Unemployed 15 weeks and over . . . . .	.06	.08			
			Occupation—Continued		
Occupation			Precision production, craft, and repair	0.32	0.35
Executive, administrative, and managerial . . . . .	.21	.24	Machine operators, assemblers, and inspectors . . . . .	.50	.57
Professional specialty . . . . .	.18	.20	Transportation and material moving . . . . .	.57	.64
Technicians and related support . . . . .	.49	.55	Handlers, equipment cleaners, helpers, and laborers . . . . .	.70	.80
Sales . . . . .	.29	.32	Farming, forestry, and fishing . . . . .	.65	.73
Administrative support, including clerical . . . . .	.24	.26			
Private household	1.07	1.20	Industry		
Protective service . . . . .	.67	.76	Nonagricultural private wage and salary workers . . . . .	.13	.14
Service, except private household and protective . . . . .	.38	.43	Mining	1.37	1.56
			Construction . . . . .	.65	.74
			Manufacturing . . . . .	.27	.30
			Durable goods . . . . .	.34	.38
			Nondurable goods . . . . .	.42	.48
			Transportation, communications, and public utilities . . . . .	.41	.46
			Wholesale and retail trade . . . . .	.26	.29
			Finance and services . . . . .	.20	.22
			Government workers . . . . .	.18	.19
			Agricultural wage and salary workers	1.22	1.40

Table D. Standard errors for estimates of monthly level

(In thousands)

Estimated monthly level	Characteristic ¹								
	Agricultural employment	Labor force data other than unemployment and agricultural employment data						Unemployment	
		Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white men only, or women only	Black men only, or women only	Total or white	Black
50	14	11	11	11	11	10	10	10	11
100	19	15	15	15	15	14	14	15	16
500	43	34	34	33	29	32	31	33	35
1,000	61	48	47	46	33	45	42	47	49
2,000	85	68	64	63	-	63	55	66	67
4,000	120	95	84	80	-	87	66	93	88
6,000	146	116	94	86	-	105	58	113	99
8,000	-	133	97	83	-	120	23	129	-
10,000	-	147	94	70	-	132	-	143	-
15,000	-	177	50	-	-	155	-	172	-
20,000	-	201	-	-	-	170	-	195	-
30,000	-	236	-	-	-	188	-	-	-
40,000	-	261	-	-	-	189	-	-	-
50,000	-	278	-	-	-	175	-	-	-
60,000	-	288	-	-	-	141	-	-	-
70,000	-	293	-	-	-	61	-	-	-
80,000	-	293	-	-	-	-	-	-	-
100,000	-	273	-	-	-	-	-	-	-
120,000	-	231	-	-	-	-	-	-	-

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

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

Tables F and G show generalized standard errors for monthly level and month-to-month change for unemployment rates. Generalized standard errors for estimated monthly percentages and estimated month-to-month change in percentage can be obtained through the use of the standard errors in table H and the factors in table I. First obtain the standard error from table H for the specific percentage and base. The generalized standard error is then calculated by multiplying the standard error from table H by the appropriate factor from table I. When the numerator and denominator of the percentage are in different categories, use the factor indicated by the numerator of the percentage.

Illustration. Assume that in a given month 3.6 percent of a total of 90,771,000 employed persons are employed in agriculture. The standard error on an estimate of 3.6 percent with a base of 90,771,000 is obtained from table H (0.09 percent). The appropriate factor from table I for the numerator of the percentage, agricultural employment, is 1.26. The generalized standard error on the estimated 3.6 percent is then approximately $0.09 \times 1.26 = 0.1$ percentage point.

Standard errors for year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. The approximate standard errors of levels, rates, and percentages involving year-to-year change of

monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages may be obtained by using table J in conjunction with the other tables. Standard errors for estimates of change are more closely related to the level of the estimate than to the size of the specific change. Thus, to obtain the standard error of an estimate of an average level, rate, or percentage, or an estimate of a change in level, rate, or percentage, it is first necessary to find the appropriate estimate of level. For an estimate of an average level, rate, or percentage, find the standard error of this estimate. For an estimate of change in level, rate, or percentage, find the standard error of the average of the two estimates affecting the change. Then, after computing the standard error by treating these estimates as monthly estimates and using the procedures above, multiply this result by a suitable factor from table J to obtain the approximate standard error for the average or change.

Illustration. Suppose that one is interested in the year-to-year change of a monthly unemployment rate. Assume that for a certain month the unemployment rate is 6.9 percent, based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent, based on a total of 94,254,000 in the civilian labor force for the month. First the standard error on the average of the two

estimates, 6.5 percent with a base of 94,965,000, is obtained from table F (0.12 percentage point). The appropriate factor, then, from table J is 1.40. The approximate standard error on the change of 0.8 percent is then given by $0.12 \times 1.40 = 0.17$ percentage point.

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

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

Where X is the estimate for one quarter and Y is the estimate for another quarter. The coefficient, P, is a measure of the correlation between the estimates X and Y resulting from the presence of some of the same

respondents in the sample for each estimate. For consecutive year-to-year changes of quarterly estimates, the values of P are .30 for persons (total, white, and black) and .35 for families (total, white, and black). The respective values for estimates of Hispanics are .45 and .55.

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

$$\sqrt{(216,000)^2 + (221,000)^2 - 2(.30)(216,000)(221,000)}$$

or about 259,000.

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

(In thousands)

Estimated monthly level	Characteristic ¹							
	Labor force data other than unemployment and agricultural employment data				Unemployment			
	Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white	Both sexes 16 to 19 years, or part-time labor force ²	Black	Black, 16 to 19 years
50	8	8	13	13	12	13	12	12
100	11	11	18	18	16	18	17	18
500	25	25	39	34	37	40	38	35
1,000	36	35	54	36	51	54	52	37
2,000	50	47	72	-	72	70	69	-
4,000	70	62	88	-	99	78	85	-
6,000	86	70	88	-	118	60	87	-
8,000	98	73	71	-	132	-	-	-
10,000	109	71	-	-	143	-	-	-
15,000	131	42	-	-	160	-	-	-
20,000	148	-	-	-	165	-	-	-
30,000	174	-	-	-	-	-	-	-
40,000	191	-	-	-	-	-	-	-
50,000	203	-	-	-	-	-	-	-
60,000	210	-	-	-	-	-	-	-
70,000	212	-	-	-	-	-	-	-
80,000	211	-	-	-	-	-	-	-
100,000	193	-	-	-	-	-	-	-
120,000	153	-	-	-	-	-	-	-

¹ See footnote 1, table D.

² Part-time labor force for unemployment also includes persons

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

Table F. Standard errors for unemployment rates

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.09	2.94	4.57	6.28	7.46	8.34	9.01	9.05	9.87	10.21
100	1.48	2.08	3.23	4.44	5.28	5.90	6.37	6.73	6.98	7.22
500 .....	.66	.93	1.45	1.99	2.36	2.64	2.85	3.01	3.12	3.27
1,000 .....	.47	.66	1.02	1.40	1.67	1.87	2.01	2.13	2.21	2.28
2,000 .....	.33	.46	.72	.99	1.18	1.32	1.42	1.50	1.56	1.61
4,000 .....	.23	.33	.51	.70	.83	.93	1.01	1.06	1.10	1.14
6,000 .....	.19	.27	.42	.57	.68	.76	.82	.87	.90	.93
10,000 .....	.15	.21	.32	.44	.53	.59	.64	.67	.70	.72
20,000 .....	.10	.15	.23	.31	.37	.42	.45	.47	.49	.51
60,000 .....	.06	.08	.13	.18	.21	.24	.26	.27	.27	.29
100,000 .....	.05	.07	.10	.14	.17	.19	.20	.21	.22	.22

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

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.32	3.28	5.14	7.18	8.69	9.90	10.93	11.81	12.58	14.48
100	1.64	2.32	3.64	5.08	6.14	7.00	7.12	8.35	8.89	10.17
500 .....	.73	1.04	1.63	2.27	2.74	3.13	3.45	3.73	3.97	4.53
1,000 .....	.52	.73	1.15	1.60	1.94	2.21	2.44	2.63	2.80	3.19
2,000 .....	.37	.52	.81	1.13	1.37	1.56	1.72	1.85	1.97	2.24
4,000 .....	.26	.37	.57	.80	.96	1.10	1.20	1.30	1.38	1.56
6,000 .....	.21	.30	.47	.65	.78	.89	.98	1.05	1.11	-
10,000 .....	.16	.23	.36	.50	.60	.68	.75	.80	-	-
20,000 .....	.12	.16	.25	.35	.42	.47	.51	.54	-	-
60,000 .....	.07	.09	.14	.19	.22	.23	.24	-	-	-
100,000 .....	.05	.07	.11	.14	.15	.15	-	-	-	-

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

Monthly base of percentages (in thousands)	Percentage of monthly level									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	30 or 70	35 or 65	50
50	2.14	3.01	4.69	6.46	7.68	8.61	9.32	9.86	10.27	10.76
100	1.51	2.13	3.32	4.57	5.43	6.09	6.59	6.97	7.26	7.61
500 .....	.68	.95	1.48	2.04	2.43	2.72	2.95	3.12	3.25	3.40
1,000 .....	.48	.67	1.05	1.44	1.72	1.92	2.08	2.21	2.30	2.41
2,000 .....	.34	.48	.74	1.02	1.22	1.36	1.47	1.56	1.62	1.70
4,000 .....	.24	.34	.52	.72	.86	.96	1.04	1.10	1.15	1.20
6,000 .....	.20	.28	.43	.59	.70	.79	.85	.90	.94	.98
10,000 .....	.15	.21	.33	.46	.54	.61	.66	.70	.73	.76
20,000 .....	.11	.15	.23	.32	.38	.43	.47	.49	.51	.54
40,000 .....	.08	.11	.17	.23	.27	.30	.33	.35	.36	.38
60,000 .....	.06	.09	.14	.19	.22	.25	.27	.28	.30	.31
80,000 .....	.05	.08	.12	.16	.19	.22	.23	.25	.26	.27
100,000 .....	.05	.07	.10	.14	.17	.19	.21	.22	.23	.24
160,000 .....	.04	.05	.08	.11	.13	.15	.16	.17	.18	.19

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

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

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

Table J. Factors to be used with Tables, D, F, H, and I to compute the approximate standard errors for levels, rates, and percentages for year-to-year change of monthly estimates, quarterly averages, change in quarterly averages, yearly averages and change in yearly averages,

Characteristic	Factor				
	Year-to-year change of monthly estimate	Quarterly averages	Change in quarterly averages	Yearly averages	Change in yearly averages
Agricultural employment:					
Total or men	1.30	0.89	0.80	0.72	0.70
Women or teenagers (16 to 19 years)	1.30	.83	.80	.58	.70
Part time	1.40	.74	.80	.46	.70
Labor force data other than agricultural employment and unemployment data:					
Total or white	1.30	.88	.88	.67	.70
Black or teenagers (16 to 19 years)	1.30	.82	.88	.57	.70
Part time	1.40	.74	.88	.46	.60
Unemployment:					
Total	1.40	.76	.88	.50	.65
Part time	1.40	.69	.88	.39	.54

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

(In thousands)

Estimated quarterly level	Characteristic								
	Total			Men			Women		
	Part-time workers	Total or full-time workers		Part-time workers	Total or full-time workers			Total, full-time, or part-time workers	
		Total or white	Black		Total	White	Black	Total or white	Black
10	5	5	5	5	5	5	5	5	5
50	11	12	12	11	12	12	12	11	11
75	13	15	15	13	15	15	15	13	13
100	15	17	17	15	17	17	17	15	15
150	19	21	21	19	21	21	21	19	19
200	22	24	24	22	24	24	24	22	21
250	24	27	27	24	27	27	27	24	24
300	26	30	30	26	30	30	29	26	26
500	34	38	38	34	38	38	37	34	33
750	42	47	46	42	47	47	45	42	41
1,000	48	54	53	48	54	54	50	48	46
1,500	59	66	63	59	66	66	59	59	56
2,000	68	76	72	68	76	76	65	68	63
2,500	76	85	79	75	84	84	69	75	69
3,000	83	93	85	82	92	92	71	82	74
5,000	107	119	100	105	117	116	64	105	85
7,500	130	145	107	127	140	138	-	127	-
10,000	149	165	102	144	157	155	-	145	-
15,000	180	198	-	187	183	179	-	173	-
20,000	205	224	-	192	199	193	-	195	-
25,000	226	244	-	207	209	199	-	211	-
30,000	224	261	-	219	212	198	-	224	-
40,000	273	286	-	236	201	174	-	242	-
50,000	296	301	-	-	-	-	-	-	-
75,000	331	304	-	-	-	-	-	-	-
100,000	343	255	-	-	-	-	-	-	-

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

COLLECTION

Payroll reports provide current information on wage and salary employment and hours and earnings in nonagricultural establishments, by industry and geographic location. Historical statistics are published in *Employment, Hours, and Earnings, United States, 1909-84*, and *Employment, Hours, and Earnings, States and Areas, 1939-82* and their annual supplements.

Federal-State cooperation

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

Shuttle schedules

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

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

CONCEPTS

Industrial classification

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

All data on employment, hours, and earnings for the Nation and for States and areas are classified in accordance with the 1972 *Standard Industrial Classification Manual (SICM)*, Office of Management and Budget. The BLS tabulates and estimates statistics which distinguish between private and public establishments, thus maintaining continuity with previously published statistics for the private and government sector.

Industry employment

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

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

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

Indexes of diffusion of changes in number of employees on nonagricultural payrolls. These indexes measure the percent of industries which posted increases in employment over the specified time span. The indexes are calculated from 185 seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December 1974 issue of *Employment and Earnings*.

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, inspection, receiving, storage, handling, packing, warehousing, shipping, trucking, hauling, maintenance, repair, janitorial, guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with the above production operation.

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

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

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

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

Overtime hours cover hours worked by production or related workers for which overtime premiums were

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

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

Indexes of aggregate weekly hours. The indexes of aggregate weekly hours are prepared by dividing the current month's aggregate by the average of the 12 monthly figures for 1977. 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; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the industry group level also may be caused by a marked change in hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on average hours.

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

establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

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

Average hourly earnings, including lump-sum wage payments. This series is compiled only for aircraft manufacturing, SIC 3721. The same concepts and estimation methods apply to this series as apply to the average hourly earnings series described above; the one difference between the two 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 covered by a lump-sum agreement, the reported payroll data are adjusted to include a prorated portion of the lump-sum payment. Such payments are generally made once a year and cover the following 12-month period. In order to spread the payment across this time period, a prorated portion of the payment is added to the payroll each month. This prorated portion is adjusted by an exit rate to reduce the lump-sum amount to account for persons who received the payment but left before the payment allocation period expired.

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

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

number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

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

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

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

ESTIMATING METHODS

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

The "link relative" technique

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

Size and regional stratification

A number of industries are stratified by size of

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

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

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

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

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

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

Benchmark adjustments

Employment estimates are compared periodically with benchmarks (comprehensive counts of employment) for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1985 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover about 97 percent of employees on nonagricultural payrolls in the United States. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made at the time of the March 1985 benchmark adjustment is shown in table M.

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

Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1985

Industry	Benchmark	Estimate	Percent difference
Total	96,042,000	96,045,000	(¹)
Mining	933,000	962,000	-3.1
Construction	4,241,000	4,180,000	1.4
Manufacturing	19,295,000	19,399,000	-5
Transportation and public utilities	5,155,000	5,205,000	-1.0
Wholesale trade	5,654,000	5,681,000	-5
Retail trade	16,782,000	16,818,000	-2
Finance, insurance, and real estate	5,825,000	5,796,000	.5
Services	21,561,000	21,536,000	.1
Government	16,596,000	16,468,000	.8

¹ Less than 0.05 percent.

THE SAMPLE

Design

The sampling plan used in the Current Employment Statistics program is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a larger percent of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments, with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to design samples for these industries with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

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

Coverage

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

Reliability of the employment estimates

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete

Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1985¹

Industry	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	243,000	38,173,000	40
Mining	3,600	374,000	40
Construction	22,500	858,000	20
Manufacturing	52,000	10,654,000	55
Transportation and public utilities	11,500	2,409,000	47
Wholesale trade	22,300	1,042,000	18
Retail trade	42,400	3,319,000	20
Finance, insurance, and real estate	17,100	2,091,000	36
Services	48,500	5,267,000	24
Government:			
Federal ²	5,100	2,839,000	100
State	3,800	3,087,000	79
Local	14,200	6,233,000	63

¹ Since a few establishments do not report payroll and hours information, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

² National estimates of Federal employment by agency are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 5,100 reports covering about 64 percent of employment in Federal establishments.

census using the same schedules and procedures. As discussed under the previous section, a "link relative" technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may accumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table O presents the average percent revisions of the five most recent benchmarks for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

The hours and earnings estimates for basic estimating cells are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. The hours and earnings estimates, however, are subject to sampling errors, which may be expressed as relative errors of the estimates. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors for major industries are presented in table O and for individual industries with the specified number of employees in table P. The chances are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a

smaller percentage than the relative error from the averages that would have been obtained from a complete census.

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

$$RMSE = \sqrt{(\text{Standard Deviation})^2 + (\text{Bias})^2}$$

If the bias is small, the chances are about 2 out of 3 that an estimate from the sample would differ from its benchmark by less than the root-mean-square error. The chances are about 19 out of 20 that the difference would be less than twice the root-mean-square error.

Approximations of the root-mean-square errors (based on the most recent benchmark revisions) of differences between final estimates and benchmarks are presented in table P.

For the two most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. Table Q presents root-mean-square errors of the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are normally not greater than 0.1 of an hour for weekly hours and 1 cent for hourly earnings.

STATISTICS FOR STATES AND AREAS

State and area employment, hours, and earnings data

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

(In percent)

Industry	Average benchmark revision in estimates of employment ¹	Relative errors ²	
		Average weekly hours	Average hourly earnings
Total	0.2	-	-
Total private	.3	0.1	0.2
Mining	2.9	1.0	1.3
Construction	1.6	.2	.5
Manufacturing	.6	.1	.2
Durable goods	.7	.1	.3
Nondurable goods	.6	.1	.2
Transportation and public utilities	.4	.7	.6
Wholesale trade	.3	.2	.4
Retail trade	1.2	.2	.4
Finance, insurance, and real estate	.3	.2	.4
Services	.2	.4	.6
Government ³	.4	-	-

¹ The average percent revision in employment for the 1981-85 benchmarks.

² Relative errors relate to 1982 data.

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

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

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

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to 1982 data.

are collected and prepared by State agencies in cooperation with BLS. 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.

For the States and the areas shown in the B and C sections of this periodical, all the annual average data for the detailed industry statistics currently published by each cooperating State agency are presented in a summary volume published annually by the BLS.

Table Q. Errors of preliminary employment estimates

Industry	Root-mean-squar error of-		Industry	Root-mean-squar error of-	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Total	110,000	101,100	Nondurable goods—Continued		
Total private ¹	63,100	56,800	Chemicals and allied products	2,500	2,400
Goods-producing	35,200	29,400	Petroleum and coal products	1,700	1,600
Mining	5,500	5,300	Rubber and misc. plastics products	2,300	2,200
Oil and gas extraction ¹	4,600	4,300	Leather and leather products	2,800	2,600
Construction	18,300	13,500	Service-producing industries	98,200	94,000
General building contractors ¹	7,900	5,400	Transportation and public utilities	14,700	14,200
Manufacturing	28,700	27,200	Transportation ¹	18,400	17,800
Durable goods	22,100	20,200	Communication and public utilities ¹	5,200	4,800
Lumber and wood products	3,800	3,200	Wholesale trade ¹	8,500	7,800
Furniture and fixtures	3,000	2,400	Durable goods ¹	5,600	5,100
Stone, clay, and glass products	2,300	2,100	Nondurable goods ¹	5,000	4,500
Primary metal industries	6,100	5,900	Retail trade ¹	33,700	32,400
Blast furnaces and basic steel products ¹	5,000	4,900	General merchandise stores ¹	19,700	19,000
Fabricated metal products	4,600	3,900	Food stores ¹	6,500	5,800
Machinery, except electrical	8,700	7,800	Automotive dealers and service stations ¹	3,300	2,900
Electrical and electronic equipment	6,200	6,400	Eating and drinking places ¹	19,200	17,100
Transportation equipment	13,200	11,800	Finance, insurance, and real estate	8,600	7,300
Motor vehicles and equipment ¹	10,000	10,200	Finance ¹	4,200	3,600
Instruments and related products	2,200	2,100	Insurance ¹	2,800	2,200
Miscellaneous manufacturing	2,000	2,000	Real estate ¹	5,000	4,100
Nondurable goods	11,800	11,700	Services	32,200	27,900
Food and kindred products	8,500	8,600	Business services ¹	12,900	10,800
Tobacco manufactures	1,600	1,500	Health services ¹	10,500	10,200
Textile mill products	2,700	2,700	Government	72,400	66,100
Apparel and other textile products	6,500	6,100	Federal	18,200	15,100
Paper and allied products	1,900	1,700	State ¹	26,200	24,700
Printing and publishing	2,400	2,500	Local ¹	38,800	35,900

¹ Data are based on differences from January 1981 through December 1985; all other data reflect differences from January 1980 through December 1985.

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

COLLECTION

Productivity data are compiled by the Bureau of Labor Statistics from establishment data and from estimates of compensation and gross national product supplied by the U.S. Department of Commerce and the Federal Reserve Board.

CONCEPTS

Hours of wage and salary workers in nonagricultural establishments refer to hours paid for all employees—production workers, nonsupervisory workers, and salaried workers.

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 measure changes in the volume of goods and services produced per paid hour of labor input.

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 to eliminate the effect of changes in 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, depreciation, interest, and indirect taxes per unit of output.

They are computed by subtracting compensation of all persons from the current-dollar gross national product 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 adjustments per unit of output.

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

NOTES ON THE DATA

For the business sector and the nonfarm business sector, these indexes relate to the gross domestic product less 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.

Manufacturing output data are supplied by the Bureau of Economic Analysis, U.S. Department of Commerce, and the Federal Reserve Board. Quarterly measures have been adjusted by the Bureau of Labor Statistics to annual estimates of output (gross product originating) from the Bureau of Economic Analysis. Compensation and hours data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics. Historical statistics for most productivity measures appear in *Trends in Multifactor Productivity, 1948-81*, BLS Bulletin 2178. Additional information may be obtained from the Office of Productivity and Technology (202 523-9261).

State and Area Labor Force Data (D table)

FEDERAL-STATE COOPERATIVE PROGRAM

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

Annual average data for the States and areas shown in table D are published in *Employment and Earnings*

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

Labor force and unemployment 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, D.C. 20402. The report "Employment and Unemployment in States and Local

Areas" is published monthly through GPO and is available on microfiche only on a subscription basis.

ESTIMATING METHODS

The civilian labor force and unemployment estimates in 11 large States: New York, California, Illinois, Ohio, New Jersey, Pennsylvania, Michigan, Texas, Massachusetts, North Carolina, and Florida; and two areas: Los Angeles—Long Beach metropolitan area and New York City, are sufficiently reliable to be used directly from the CPS. For a description of the CPS concepts, see "Household Data," above.

Monthly labor force and unemployment estimates in the remaining 39 States, the District of Columbia, and 253 labor market areas are prepared in several stages. The civilian labor force is the sum of the employment and unemployment levels, which are estimated in accordance with the BLS *Manual for Developing Local Area Unemployment Statistics*.

1. *Preliminary estimate—employment:* The total civilian employment estimate is based on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate 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 the several categories of employment on the basis of employment relationships which existed at the time of the 1970 decennial census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates, to which are added estimates for employment not covered by unemployment insurance (UI).

2. *Preliminary estimate—unemployment:* In the current month, the estimate of unemployment is an aggregate of the estimates for each of three building block 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. This is referred to below as the UI-based estimate.

An estimate for those previously employed in covered industries is derived from a count of current employment insurance claimants, plus estimates of claimants whose benefits have been exhausted, those persons disqualified from receiving benefits for nonmonetary reasons (because they quit, were discharged for cause, etc., but would otherwise have been eligible), and person who either filed claims late or not at all.

The estimate of those previously employed in industries not covered by UI is derived by applying to the employment estimate for each noncovered industry or class of worker subgroup in the State, the ratio of

covered unemployment to covered employment weighted by factors reflecting national historical relationships.

For the third category, new entrants and reentrants into the labor force, a composite estimate is developed from equations that relate the total entrants into the labor force to the experienced unemployed and the experienced labor force. For each month, the estimate of entrants into the labor force is a function of: (a) the month of the year; (b) the level of the experienced unemployed; (c) the level of the experienced labor force; and (d) the proportion of the working age population that is considered "youth." The composite estimate of total entrants is defined as:

$$U = A(X + E) + BX, \text{ where}$$

U = total entrant unemployment
E = total civilian employment
X = total experienced unemployment
A, B = synthetic factors incorporating seasonal variation and an assumed relationship between the proportion of youths in the working population and the historical relationship of entrants to the experienced unemployed (B factor) or the experienced labor force (A factor).

3. *Correction factors for employment and unemployment* are then applied at the State level of the UI-based estimates obtained above for each of the 39 States and the District of Columbia. These correction factors are based on the ratio of the CPS to the UI-based estimates for the 6-month period ending in the current month (e.g., a 6-month moving average).

4. *Substate adjustment for additivity.* Independent estimates of employment and unemployment are prepared for the State (obtained directly from the CPS in the 11 large States or by the UI-based method in the remaining States), and labor market areas (LMA's) within the State. The total of the geographic areas in the LMA's exhausts the geographic boundaries of the State. A proportional adjustment is applied to all sub-state LMA estimates to ensure that the sub-state estimates of employment and unemployment add to the independent State totals. In California and New York, which also have sub-state areas taken directly from the CPS, the additivity adjustment for the remaining areas is applied to the State total minus the direct CPS area.

5. *Benchmark correction procedures.* Once each year, monthly estimates prepared by the State employment security agencies using UI-based estimating procedures are adjusted, or benchmarked, by BLS to the annual average CPS estimates for the 39 States and the District of Columbia for which monthly CPS estimates are not

available. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS annual averages due to differences in the State UI laws, the structural limitations of the UI-based estimating method, and errors in the UI data.

The benchmarked estimates are produced in three stages. First, the monthly UI-based estimates are adjusted by the ratio of the CPS to the UI-based annual averages. Second, the difference between the ratio of

annual averages for two consecutive years is wedged into the monthly estimates in order to minimize the disturbance to the original series. Finally, the third-stage estimates are forced into agreement with CPS annual averages. In the 11 States which use CPS estimates monthly, no benchmark correction is required, as the average of the 12 monthly State CPS estimates will equal CPS annual averages.

Seasonal Adjustment

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

The seasonal adjustment program used for these series is an adaptation of the standard ratio-to-moving average method. It provides for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description of the method is given in *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

Beginning in January 1980, BLS introduced two major modifications in the seasonal adjustment methodology for data from the household survey. First, the data are being seasonally adjusted with a procedure called X-11 ARIMA, which was developed at Statistics Canada as an extension of the existing 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, February 1980. The X-11 procedure was originally developed at the Bureau of the Census and

had been used by the BLS to seasonally adjust labor force series since 1973. Tests have shown that use of the X-11 ARIMA procedure, which places more emphasis on recent data, provides better seasonal adjustments than does the X-11 method alone.

The second change is that seasonal adjustment factors are calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, BLS calculates and publishes in *Employment and Earnings* a set of 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 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 the sum of eight seasonally adjusted civilian employment components, plus the resident Armed Forces total (not adjusted for seasonality), and four seasonally adjusted unemployment components; the total for unemployment is the sum of the four unemployment components; and the overall unemployment rate is derived by dividing the resulting estimate of total unemployment by the estimate of the labor force. Because of the independent seasonal adjustment of various series, components will not necessarily add to totals.

Revised seasonally adjusted data for selected labor force series based on the experience through December, new seasonal adjustment factors to be used to calculate

the civilian unemployment rate for the first 6 months of the following year, and a description of the current seasonal adjustment methodology are published in each January issue of *Employment and Earnings*. Revised seasonally adjusted data covering the revision period for a broader range of labor force series are published in the February issue of this publication.

Beginning in July 1980, the BLS also uses the X-11 ARIMA methodology in seasonally adjusting the establishment data, which previously had been computed using the *BLS Seasonal Factor Method*. All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. Seasonal adjustment factors used in calculating the current year's estimates are based on actual data through March 1986 and projected data through March 1987. The ARIMA model options for projecting the data series for 1 year ahead have been used in seasonally adjusting the establishment series since June 1981.

Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted average weekly hours.

Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsuper-

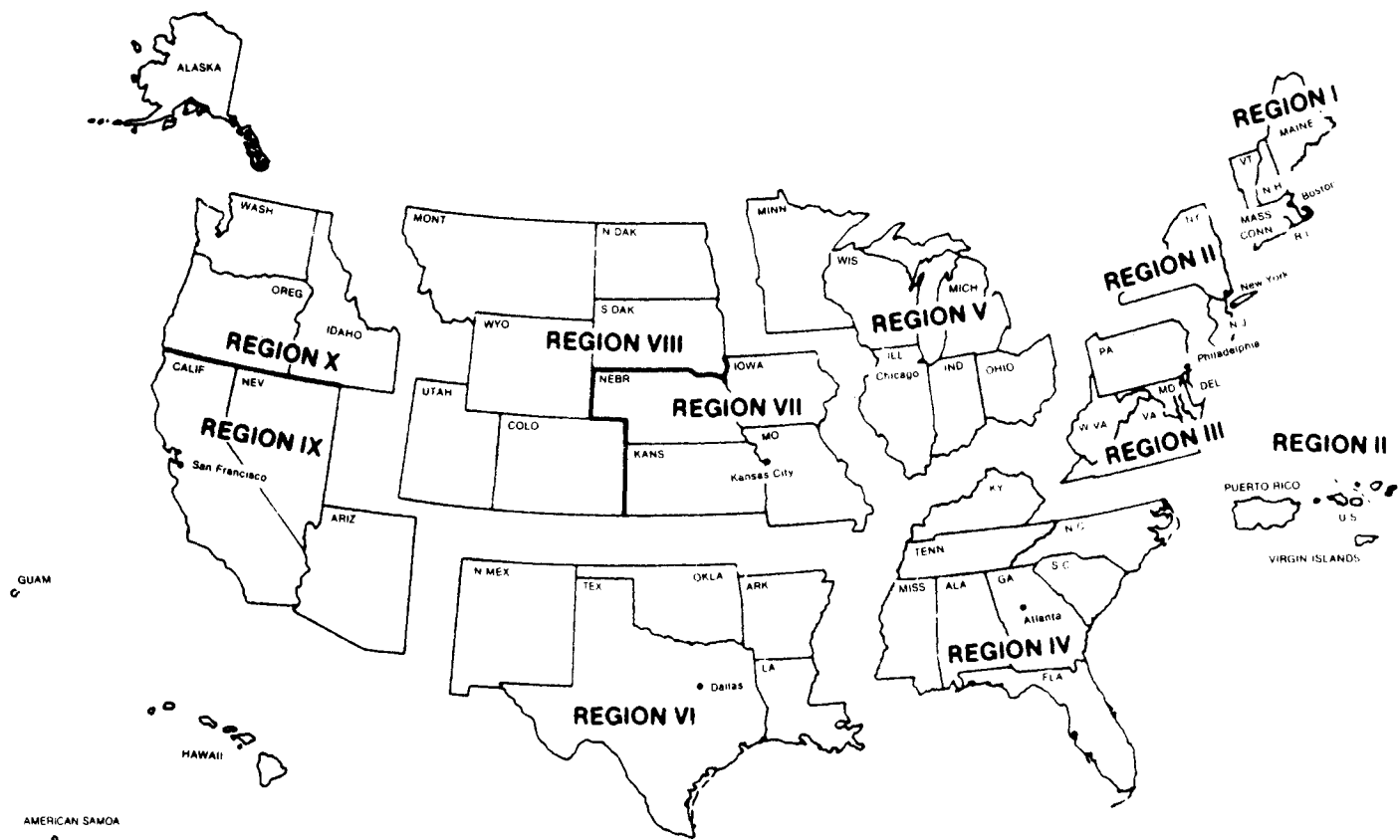
visory workers, seasonally adjusted, and dividing by the 1977 base. For total private, total goods-producing, total private service-producing, wholesale trade, retail trade, manufacturing, and durable and nondurable goods industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1977 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 are used in the aggregation to broader level seasonally adjusted series, however.

Beginning in June 1983, seasonal adjustment factors for Federal Government employment are derived from unadjusted data which include Christmas temporary workers employed by the Postal Service. In earlier years the number of these workers was substantial, and at times varied greatly from year to year, based on administrative decisions of the Postal Service. Hence, it was considered desirable to exclude this group from the unadjusted data upon which the seasonal adjustment factors were based. In the past several years, the number of these workers has decreased to the point where their presence has no impact on seasonal adjustment. Temporary census takers for the 1980 decennial census are removed prior to the calculation of seasonal adjustment factors for Federal Government employment.

The revised seasonally adjusted series for the establishment data reflect experience through March 1986. Seasonal adjustment factors to be used for current adjustment appear in the June 1986 issue of *Employment and Earnings*.

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