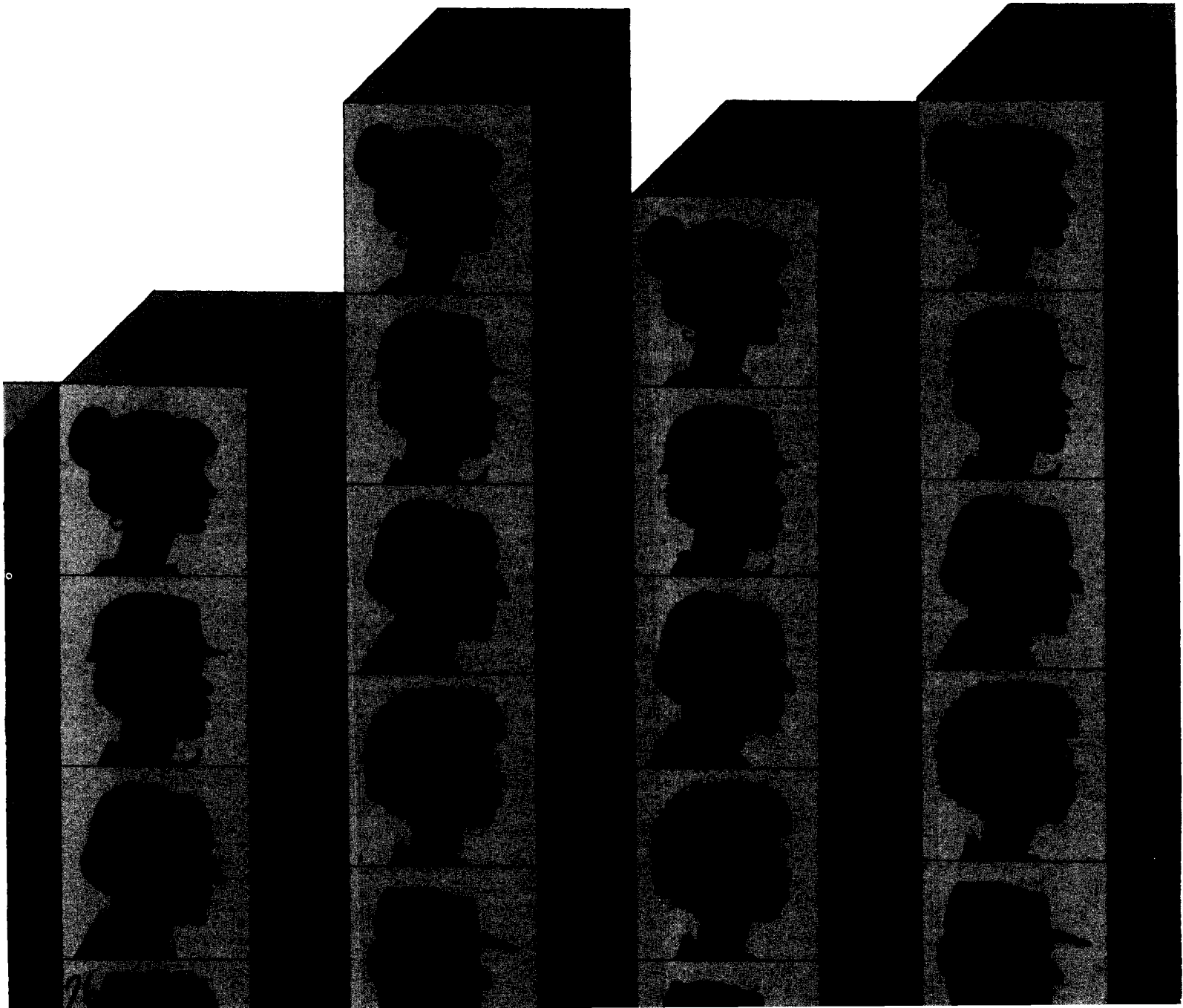


EMPLOYMENT AND EARNINGS

May 1987

U.S. Department of Labor
Bureau of Labor Statistics

In this issue:
Annual averages for
States and areas





U.S. DEPARTMENT OF LABOR

William E. Brock, *Secretary*

BUREAU OF LABOR STATISTICS

Janet L. Norwood, *Commissioner*

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

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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

National annual averages:

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 Supplement¹

State and area annual averages May

Area definitions May

State and area labor force data

Annual averages May

¹ The latest supplement was published in June 1986.

Employment and Earnings

Vol. 34 No. 5 May 1987

Editors: Gloria Peterson Green, Rosalie K. Epstein

Editors' Note

The national establishment-based series on employment, hours, and earnings in the June issue will reflect the annual revision to new benchmark levels and updated seasonal adjustment factors.

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Employment and Unemployment Developments, April 1987

Unemployment declined in April and employment rose substantially. The overall unemployment rate and the rate for civilian workers each were down three-tenths of a percentage point to 6.2 percent and 6.3 percent, respectively.

Total civilian employment—as measured by the monthly survey of households—rose by 470,000 in April, and nonagricultural payroll employment—as measured by the monthly survey of establishments—was up by 315,000. The two employment series have advanced by 2.8 and 2.5 million, respectively, over the past year.

Unemployment

The number of unemployed persons declined by 350,000 in April to a seasonally adjusted level of 7.5 million. The civilian worker unemployment rate fell by 0.3 percentage point to 6.3 percent, matching the rates last reached in January-March of 1980.

Unemployment rates for virtually all labor force groups declined to their lowest levels for the current expansionary period. The rates for adult men and adult women each decreased by three-tenths of a point to 5.5 percent, while the rate for teenagers edged down to 17.4 percent. Jobless rates for both whites (5.4 percent) and blacks (13.0 percent) improved over the month, while the rate for Hispanics (9.2 percent) was about unchanged. (See tables A-33 and A-34.)

Most of the over-the-month decline in unemployment occurred among those jobless for less than 15 weeks. The average (mean) duration of unemployment was unchanged at 14.9 weeks, while median duration edged up to 7 weeks. (See table A-40.)

Civilian employment and the labor force

Civilian employment rose more than usual in April and, after adjustment for seasonality, advanced by 470,000 to 111.8 million. Adult women accounted for more than half of this increase. The proportion of the civilian population that was employed rose 0.2 percentage point to 61.3 percent. (See table A-33.)

The civilian labor force participation rate, at 65.4 percent, was unchanged in April. Over the past 12 months, the civilian labor force has grown by 2.0 million to 119.3 million persons. Adult women have accounted for three-fifths of this increase.

Industry payroll employment

Total nonagricultural payroll employment rose by 315,000 in April. As usual, the increase was mostly among service-producing industries, where there was a gain of 275,000 jobs. Since April 1986, the industries in this sector have added over 2.5 million workers to their payrolls, accounting for practically all of the over-the-year job growth. (See table B-4.)

Jobs in the services industry increased by 105,000 in April, with almost half of the gain occurring in business and health services. Over 1 million jobs have been added in this industry during the past year. Retail trade also posted strong gains, increasing by about 65,000. Employment grew by 35,000 in the finance, insurance, and real estate industry, with finance alone rising by 20,000.

In the goods-producing sector, the construction industry posted a gain of about 25,000 jobs (seasonally adjusted). Manufacturing employment was little changed, as a decline in motor vehicles and equipment offset small but widespread gains elsewhere. Jobs in mining and its oil and gas extraction component have edged up over the last 3 months, in contrast to the large and steady losses of the prior 2 years.

Weekly hours

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls edged down 0.1 hour to 34.7, after seasonal adjustment. Weekly hours in manufacturing declined by 0.5 hour to 40.5 hours, and factory overtime declined by 0.3 hour to 3.4; both movements resulted from religious observances in the reference period. (See table C-5.)

Despite employment gains, declining hours caused the index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls to edge down 0.1 percent to 120.5 (1977=100) in April. This level was still 2.4 percent higher than a year earlier. (See table C-6.)

Hourly and weekly earnings

Average hourly earnings were down 0.2 percent in April, and average weekly earnings declined by 0.5 percent, after adjustment for seasonality. Before seasonal adjustment, hourly earnings were unchanged at \$8.89, while average weekly earnings were down 88 cents to \$306.71. (See tables C-1 and C-7.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 172.2 (1977=100) in April, seasonally adjusted, an increase of 0.2 percent from March. For the 12 months ended in April, the increase was 2.2 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 decreased 0.9 percent during the 12-month period ended in March. (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>
May	June 5	August	September 4
June	July 2	September	October 2
July	August 7	October	November 6

**HOUSEHOLD DATA
HISTORICAL**

A-1. Employment status of the noninstitutional population 16 years and over, 1953 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												
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	5,458	60,318	3,852	5.4	47,617	
1961	120,671	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,312	
1962 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 ¹	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 ¹	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667	
1974	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171	
1975	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377	
1976	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991	
1977	160,689	100,665	62.6	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025	
1978 ¹	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659	
1979	166,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900	
1980	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806	
1981	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460	
1982	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067	
1983	175,891	113,226	64.4	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665	
1984	178,080	115,241	64.7	106,702	1,697	105,005	3,321	101,685	8,539	7.4	62,839	
1985	179,912	117,167	65.1	108,856	1,706	107,150	3,179	103,971	8,312	7.1	62,744	
1986 ¹	182,293	119,540	65.6	111,303	1,706	109,597	3,163	106,434	8,237	6.9	62,752	
Monthly data, seasonally adjusted ²												
1986:												
April	181,843	118,987	65.4	110,664	1,695	108,969	3,199	105,770	8,323	7.0	62,856	
May	181,998	119,274	65.5	110,852	1,687	109,165	3,151	106,014	8,422	7.1	62,724	
June	182,183	119,685	65.7	111,293	1,680	109,613	3,164	106,449	8,392	7.0	62,498	
July	182,354	119,789	65.7	111,559	1,672	109,887	3,124	106,763	8,230	6.9	62,565	
August	182,525	119,821	65.6	111,764	1,697	110,067	3,057	107,010	8,057	6.7	62,704	
September	182,713	119,988	65.7	111,703	1,716	109,987	3,142	106,845	8,285	6.9	62,725	
October	182,935	120,163	65.7	111,941	1,749	110,192	3,162	107,030	8,222	6.8	62,772	
November	183,114	120,426	65.8	112,183	1,751	110,432	3,215	107,217	8,243	6.8	62,688	
December	183,297	120,336	65.7	112,387	1,750	110,637	3,161	107,476	7,949	6.6	62,961	
1987:												
January	183,575	120,782	65.8	112,759	1,748	111,011	3,145	107,866	8,023	6.6	62,793	
February	183,738	121,089	65.9	113,122	1,740	111,382	3,236	108,146	7,967	6.6	62,649	
March	183,915	120,958	65.8	113,104	1,736	111,368	3,284	108,084	7,854	6.5	62,957	
April	184,079	121,070	65.8	113,570	1,735	111,835	3,290	108,545	7,500	6.2	63,009	

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

² The population and Armed Forces figures are not adjusted for

seasonal variation.

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

**HOUSEHOLD DATA
HISTORICAL**

A-2. Employment status of the noninstitutional population 16 years and over by sex, 1976 to date

(Numbers in thousands)

Sex, year, and month	Noninsti- tutional 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												
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	80,877	62,932	77.8	58,665	1,479	57,186	2,709	54,477	4,267	6.8	17,945	
1981	82,023	63,486	77.4	58,909	1,512	57,397	2,700	54,697	4,577	7.2	18,537	
1982	83,052	63,979	77.0	57,800	1,529	56,271	2,736	53,534	6,179	9.7	19,073	
1983	84,064	64,580	76.8	58,320	1,533	56,787	2,704	54,083	6,260	9.7	19,484	
1984	85,156	65,386	76.8	60,642	1,551	59,091	2,668	56,423	4,744	7.3	19,771	
1985	86,025	65,967	76.7	61,447	1,556	59,891	2,535	57,356	4,521	6.9	20,058	
1986 ¹	87,349	66,973	76.7	62,443	1,551	60,892	2,511	58,381	4,530	6.8	20,376	
Monthly data, seasonally adjusted²												
1986:												
April	87,120	66,770	76.6	62,253	1,541	60,712	2,572	58,140	4,517	6.8	20,350	
May	87,195	66,854	76.7	62,201	1,533	60,668	2,510	58,158	4,653	7.0	20,341	
June	87,288	66,937	76.7	62,318	1,525	60,793	2,541	58,252	4,619	6.9	20,351	
July	87,373	66,968	76.6	62,402	1,518	60,884	2,486	58,398	4,566	6.8	20,405	
August	87,460	66,911	76.5	62,483	1,541	60,942	2,397	58,545	4,428	6.6	20,549	
September	87,556	67,128	76.7	62,528	1,560	60,968	2,495	58,473	4,600	6.9	20,428	
October	87,682	67,130	76.6	62,565	1,590	60,975	2,513	58,462	4,565	6.8	20,552	
November	87,773	67,407	76.8	62,833	1,592	61,241	2,506	58,735	4,574	6.8	20,366	
December	87,868	67,425	76.7	62,986	1,593	61,393	2,489	58,904	4,439	6.6	20,443	
1987:												
January	88,020	67,672	76.9	63,187	1,591	61,596	2,474	59,123	4,484	6.6	20,348	
February	88,099	67,764	76.9	63,335	1,584	61,751	2,544	59,207	4,429	6.5	20,335	
March	88,186	67,644	76.7	63,282	1,575	61,707	2,639	59,068	4,362	6.4	20,542	
April	88,271	67,603	76.6	63,417	1,575	61,842	2,664	59,178	4,186	6.2	20,668	
Annual averages												
WOMEN												
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	3,018	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	43,395	139	43,256	665	42,591	4,499	9.4	42,993	
1983	91,827	48,646	53.0	44,190	143	44,047	680	43,367	4,457	9.2	43,181	
1984	92,924	49,855	53.7	46,061	146	45,915	653	45,262	3,794	7.6	43,068	
1985	93,886	51,200	54.5	47,409	150	47,259	644	46,615	3,791	7.4	42,686	
1986 ¹	94,944	52,568	55.4	48,861	155	48,706	652	48,054	3,707	7.1	42,376	
Monthly data, seasonally adjusted²												
1986:												
April	94,723	52,217	55.1	48,411	154	48,257	627	47,630	3,806	7.3	42,506	
May	94,803	52,420	55.3	48,651	154	48,497	641	47,856	3,769	7.2	42,383	
June	94,895	52,748	55.6	48,975	155	48,820	623	48,197	3,773	7.2	42,147	
July	94,981	52,821	55.6	49,157	154	49,003	638	48,365	3,664	6.9	42,160	
August	95,065	52,910	55.7	49,281	156	49,125	660	48,465	3,629	6.9	42,155	
September	95,156	52,860	55.6	49,175	156	49,019	647	48,372	3,685	7.0	42,296	
October	95,253	53,033	55.7	49,376	159	49,217	649	48,568	3,657	6.9	42,220	
November	95,341	53,019	55.6	49,350	159	49,191	709	48,482	3,669	6.9	42,322	
December	95,429	52,911	55.4	49,401	157	49,244	672	48,572	3,510	6.6	42,518	
1987:												
January	95,556	53,110	55.6	49,572	157	49,415	671	48,744	3,538	6.7	42,446	
February	95,639	53,325	55.8	49,787	156	49,631	692	48,939	3,538	6.6	42,314	
March	95,729	53,314	55.7	49,822	161	49,661	645	49,016	3,492	6.6	42,415	
April	95,808	53,467	55.8	50,153	160	49,993	626	49,367	3,314	6.2	42,341	

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, 1953 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								
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 ¹	120,153	70,614	58.8	66,702	3,911	5.5	5.2	6.2
1963	122,416	71,833	58.7	67,762	4,070	5.7	5.2	6.5
1964	124,485	73,091	58.7	69,305	3,786	5.2	4.6	6.2
1965	126,513	74,455	58.9	71,088	3,366	4.5	4.0	5.5
1966	128,058	75,770	59.2	72,895	2,875	3.8	3.2	4.8
1967	129,874	77,347	59.6	74,372	2,975	3.8	3.1	5.2
1968	132,028	78,737	59.6	75,920	2,817	3.6	2.9	4.8
1969	134,335	80,734	60.1	77,902	2,832	3.5	2.8	4.7
1970	137,085	82,771	60.4	78,678	4,093	4.9	4.4	5.9
1971	140,216	84,382	60.2	79,367	5,016	5.9	5.3	6.9
1972 ¹	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 ¹	147,096	89,429	60.8	85,064	4,365	4.9	4.2	6.0
1974	150,120	91,949	61.3	86,794	5,156	5.6	4.9	6.7
1975	153,153	93,775	61.2	85,846	7,929	8.5	7.9	9.3
1976	156,150	96,158	61.6	88,752	7,406	7.7	7.1	8.6
1977	159,033	99,009	62.3	92,017	6,991	7.1	6.3	8.2
1978 ¹	161,910	102,251	63.2	96,048	6,202	6.1	5.3	7.2
1979	164,863	104,962	63.7	98,824	6,137	5.8	5.1	6.8
1980	167,745	106,940	63.8	99,303	7,637	7.1	6.9	7.4
1981	170,130	108,670	63.9	100,397	8,273	7.6	7.4	7.9
1982	172,271	110,204	64.0	99,526	10,678	9.7	9.9	9.4
1983	174,215	111,550	64.0	100,834	10,717	9.6	9.9	9.2
1984	176,383	113,544	64.4	105,005	8,539	7.5	7.4	7.6
1985	178,206	115,461	64.8	107,150	8,312	7.2	7.0	7.4
1986 ¹	180,587	117,834	65.3	109,597	8,237	7.0	6.9	7.1
Monthly data, seasonally adjusted ²								
1986:								
April	180,148	117,292	65.1	108,969	8,323	7.1	6.9	7.3
May	180,311	117,587	65.2	109,165	8,422	7.2	7.1	7.2
June	180,503	118,005	65.4	109,613	8,392	7.1	7.1	7.2
July	180,682	118,117	65.4	109,887	8,230	7.0	7.0	7.0
August	180,828	118,124	65.3	110,067	8,057	6.8	6.8	6.9
September	180,997	118,272	65.3	109,987	8,285	7.0	7.0	7.0
October	181,186	118,414	65.4	110,192	8,222	6.9	7.0	6.9
November	181,363	118,675	65.4	110,432	8,243	6.9	6.9	6.9
December	181,547	118,586	65.3	110,637	7,949	6.7	6.7	6.7
1987:								
January	181,827	119,034	65.5	111,011	8,023	6.7	6.8	6.7
February	181,998	119,349	65.6	111,382	7,967	6.7	6.7	6.7
March	182,179	119,222	65.4	111,368	7,854	6.6	6.6	6.6
April	182,344	119,335	65.4	111,835	7,500	6.3	6.3	6.2

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	April 1987										
	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	182,344	118,347	64.9	111,041	7,306	6.2	63,997	28,710	8,966	3,058	23,263
16 to 19 years	14,562	7,341	50.4	6,115	1,226	16.7	7,221	436	5,811	27	948
16 to 17 years	7,498	3,016	40.2	2,425	591	19.6	4,482	93	3,833	4	552
18 to 19 years	7,064	4,325	61.2	3,690	635	14.7	2,739	343	1,978	23	396
20 to 24 years	19,122	14,750	77.1	13,282	1,468	10.0	4,372	1,601	1,998	76	697
25 to 54 years	98,816	81,388	82.4	77,298	4,090	5.0	17,426	12,227	1,125	1,096	2,978
25 to 34 years	42,220	35,041	83.0	32,926	2,115	6.0	7,178	5,107	793	287	992
25 to 29 years	21,445	17,746	82.8	16,598	1,148	6.5	3,699	2,526	510	147	516
30 to 34 years	20,775	17,295	83.2	16,329	967	5.6	3,479	2,580	284	140	476
35 to 44 years	33,531	28,245	84.2	26,988	1,256	4.4	5,286	3,758	249	337	941
35 to 39 years	18,456	15,552	84.3	14,832	720	4.6	2,905	2,113	156	161	461
40 to 44 years	15,074	12,693	84.2	12,157	537	4.2	2,361	1,632	93	175	480
45 to 54 years	23,064	18,102	78.5	17,383	719	4.0	4,962	3,361	83	473	1,046
45 to 49 years	12,175	9,915	81.4	9,523	392	4.0	2,260	1,565	61	207	428
50 to 54 years	10,889	8,188	75.2	7,859	328	4.0	2,702	1,796	22	266	617
55 to 64 years	21,864	11,856	54.2	11,399	457	3.9	10,009	5,098	22	705	4,183
55 to 59 years	11,063	7,180	64.9	6,925	255	3.5	3,883	2,279	15	338	1,250
60 to 84 years	10,801	4,676	43.3	4,474	202	4.3	6,126	2,819	7	366	2,933
65 years and over	27,982	3,012	10.8	2,948	64	2.1	24,969	9,349	10	1,154	14,456
65 to 69 years	9,691	1,825	18.8	1,787	38	2.1	7,866	2,953	4	260	4,649
70 to 74 years	7,554	750	9.9	735	16	2.1	6,804	2,658	2	250	3,895
75 years and over	10,736	437	4.1	426	11	2.5	10,299	3,738	4	644	5,913
Men											
16 years and over	86,696	85,421	75.5	61,236	4,185	6.4	21,274	559	4,612	1,694	14,409
16 to 19 years	7,309	3,762	51.5	3,077	685	18.2	3,547	27	3,003	16	500
16 to 17 years	3,812	1,576	41.3	1,234	342	21.7	2,236	15	1,942	1	278
18 to 19 years	3,496	2,186	62.5	1,843	343	15.7	1,311	13	1,061	15	222
20 to 24 years	9,280	7,749	83.5	6,949	800	10.3	1,531	37	1,075	54	365
25 to 54 years	48,257	45,106	93.5	42,745	2,361	5.2	3,150	203	522	738	1,687
25 to 34 years	20,751	19,521	94.1	18,345	1,176	6.0	1,230	79	398	198	555
25 to 29 years	10,519	9,774	92.9	9,151	623	6.4	745	46	301	89	310
30 to 34 years	10,232	9,747	95.3	9,194	553	5.7	485	32	98	110	245
35 to 44 years	16,347	15,432	94.4	14,721	711	4.6	915	72	92	239	512
35 to 39 years	9,014	8,526	94.6	8,128	398	4.7	488	46	69	125	248
40 to 44 years	7,333	6,906	94.2	6,594	313	4.5	427	26	23	114	263
45 to 54 years	11,159	10,154	91.0	9,679	475	4.7	1,005	52	32	301	621
45 to 49 years	5,897	5,486	93.0	5,237	249	4.5	411	26	22	129	234
50 to 54 years	5,262	4,668	88.7	4,441	226	4.8	594	27	10	171	386
55 to 64 years	10,273	8,961	67.8	6,669	292	4.2	3,312	89	10	441	2,772
55 to 59 years	5,253	4,216	80.3	4,053	163	3.9	1,037	36	7	214	781
60 to 64 years	5,021	2,745	54.7	2,616	129	4.7	2,275	53	4	227	1,991
65 years and over	11,577	1,843	15.9	1,795	48	2.6	9,734	203	2	445	9,084
65 to 69 years	4,389	1,058	24.1	1,031	27	2.6	3,331	54	2	128	3,147
70 to 74 years	3,232	505	15.6	492	13	2.6	2,727	48		109	2,571
75 years and over	3,956	280	7.1	272	8	2.7	3,676	101		208	3,367
Women											
16 years and over	95,648	52,925	55.3	49,805	3,120	5.9	42,723	28,151	4,353	1,364	8,854
16 to 19 years	7,253	3,579	49.3	3,038	542	15.1	3,674	408	2,808	11	447
16 to 17 years	3,686	1,440	39.1	1,191	249	17.3	2,246	78	1,891	3	273
18 to 19 years	3,567	2,139	60.0	1,847	292	13.7	1,429	330	917	8	174
20 to 24 years	9,841	7,000	71.1	6,332	668	9.5	2,841	1,564	923	22	332
25 to 54 years	50,559	36,282	71.8	34,553	1,729	4.8	14,276	12,024	603	358	1,291
25 to 34 years	21,469	15,521	72.3	14,582	939	6.1	5,948	5,028	395	88	437
25 to 29 years	10,926	7,972	73.0	7,447	525	6.6	2,954	2,480	209	58	206
30 to 34 years	10,543	7,548	71.6	7,135	414	5.5	2,994	2,548	186	30	231
35 to 44 years	17,184	12,613	74.6	12,267	546	4.3	4,371	3,687	157	98	429
35 to 39 years	9,442	7,026	74.4	6,704	322	4.6	2,417	2,081	87	36	213
40 to 44 years	7,741	5,787	74.8	5,563	224	3.9	1,954	1,606	70	61	217
45 to 54 years	11,906	7,949	66.8	7,704	245	3.1	3,957	3,309	51	172	425
45 to 49 years	6,278	4,429	70.5	4,286	143	3.2	1,849	1,539	39	78	194
50 to 54 years	5,627	3,520	62.5	3,418	102	2.9	2,108	1,769	12	95	231
55 to 64 years	11,591	4,895	42.2	4,730	165	3.4	6,696	5,009	12	264	1,412
55 to 59 years	5,810	2,964	51.0	2,872	92	3.1	2,846	2,243	8	125	470
60 to 64 years	5,781	1,931	33.4	1,857	73	3.8	3,850	2,766	3	139	942
65 years and over	16,405	1,169	7.1	1,153	17	1.4	15,235	9,146	8	709	5,372
65 to 69 years	5,302	767	14.5	756	11	1.4	4,535	2,899	2	132	1,502
70 to 74 years	4,322	245	5.7	243	3	1.2	4,077	2,610	2	141	1,324
75 years and over	6,780	157	2.3	154	3	2.0	6,623	3,637	4	436	2,546

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	April 1987										
	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	156,676	102,168	65.2	96,744	5,423	5.3	54,509	24,954	6,941	2,402	20,212
16 to 19 years	11,944	6,417	53.7	5,498	918	14.3	5,527	334	4,457	27	709
16 to 17 years	6,126	2,680	43.7	2,208	472	17.6	3,446	66	2,946	4	429
18 to 19 years	5,818	3,737	64.2	3,291	446	11.9	2,081	268	1,511	23	279
20 to 24 years	15,931	12,613	79.2	11,601	1,012	8.0	3,318	1,211	1,801	52	454
25 to 54 years	84,307	69,921	82.9	66,850	3,071	4.4	14,387	10,387	857	803	2,340
25 to 34 years	35,604	29,805	83.7	28,263	1,542	5.2	5,799	4,289	599	205	706
25 to 29 years	18,022	15,073	83.6	14,237	837	5.6	2,950	2,101	396	103	349
30 to 34 years	17,582	14,732	83.8	14,027	706	4.8	2,850	2,189	203	101	357
35 to 44 years	28,857	24,415	84.6	23,472	944	3.9	4,441	3,226	195	266	755
35 to 39 years	15,766	13,327	84.5	12,814	513	6.3	2,439	1,837	118	128	366
40 to 44 years	13,090	11,089	84.7	10,657	431	3.9	2,002	1,390	78	138	388
45 to 54 years	19,847	15,700	79.1	15,116	585	3.7	4,146	2,872	62	333	880
45 to 49 years	10,468	8,579	82.0	8,265	314	3.7	1,889	1,365	46	146	336
50 to 54 years	9,379	7,122	75.9	6,851	271	4.4	2,257	1,562	16	187	544
55 to 64 years	19,294	10,477	54.3	10,116	361	3.4	8,817	4,533	20	561	3,703
55 to 59 years	9,709	6,325	65.1	6,119	205	3.2	3,384	2,023	13	267	1,082
60 to 64 years	9,585	4,152	43.3	3,997	156	3.8	5,433	2,510	7	294	2,621
65 years and over	25,200	2,740	10.9	2,678	61	2.2	22,460	8,489	8	958	13,005
65 to 69 years	8,660	1,652	19.1	1,618	33	2.0	7,008	2,668	2	204	4,133
70 to 74 years	6,793	681	10.0	663	17	2.5	6,115	2,401	2	206	3,505
75 years and over	9,747	408	4.2	397	11	2.7	9,338	3,420	3	548	5,367
Men											
16 years and over	75,045	57,151	76.2	53,961	3,190	5.6	17,894	432	3,576	1,338	12,548
16 to 19 years	6,017	3,277	54.5	2,757	521	15.9	2,740	19	2,342	16	363
16 to 17 years	3,133	1,388	44.3	1,115	273	19.6	1,745	9	1,523	1	211
18 to 19 years	2,885	1,889	65.5	1,641	248	13.1	995	10	819	15	152
20 to 24 years	7,793	6,644	85.3	6,074	570	8.6	1,149	21	859	36	233
25 to 54 years	41,676	39,321	94.4	37,500	1,821	4.6	2,354	142	368	558	1,286
25 to 34 years	17,720	16,860	95.1	15,963	897	5.3	860	49	288	143	379
25 to 29 years	8,950	8,419	94.1	7,942	478	5.7	531	31	234	67	199
30 to 34 years	8,770	8,441	96.3	8,021	420	5.0	329	18	55	76	180
35 to 44 years	14,245	13,543	95.1	13,006	536	4.0	703	59	63	188	393
35 to 39 years	7,807	7,440	95.3	7,153	287	3.9	367	37	47	96	187
40 to 44 years	6,438	6,103	94.8	5,853	249	4.1	336	21	17	93	205
45 to 54 years	9,711	8,919	91.8	8,531	388	4.3	792	35	16	227	515
45 to 49 years	5,138	4,831	94.0	4,624	207	4.3	307	22	8	98	179
50 to 54 years	4,573	4,088	89.4	3,907	181	4.4	485	13	8	129	336
55 to 64 years	9,123	6,212	68.1	5,981	231	3.7	2,911	73	8	364	2,467
55 to 59 years	4,651	3,772	81.1	3,635	137	3.6	879	30	4	176	669
60 to 64 years	4,472	2,440	54.6	2,346	94	3.8	2,032	43	4	188	1,798
65 years and over	10,436	1,696	16.3	1,649	47	2.8	8,739	177	364	8,199	3,527
65 to 69 years	3,945	977	24.8	951	25	2.6	2,969	46	104	2,818	2,327
70 to 74 years	2,917	457	15.7	442	14	3.1	2,462	41	94	2,327	2,054
75 years and over	3,573	263	7.4	256	8	2.9	3,309	89	166	3,054	
Women											
16 years and over	81,631	45,017	55.1	42,783	2,234	5.0	36,615	24,523	3,365	1,064	7,663
16 to 19 years	5,926	3,139	53.0	2,742	397	12.7	2,787	315	2,115	11	346
16 to 17 years	2,993	1,291	43.1	1,092	199	15.4	1,702	57	1,423	3	218
18 to 19 years	2,933	1,848	63.0	1,649	198	10.7	1,066	259	692	8	128
20 to 24 years	8,138	5,969	73.4	5,527	442	7.4	2,169	1,190	742	16	221
25 to 54 years	42,631	30,600	71.8	29,350	1,250	4.1	12,033	10,245	489	245	1,054
25 to 34 years	17,884	12,945	72.4	12,300	645	5.0	4,939	4,240	311	61	327
25 to 29 years	9,072	6,654	73.3	6,295	359	5.4	2,419	2,070	162	36	150
30 to 34 years	8,812	6,291	71.4	6,006	286	4.5	2,521	2,171	148	25	177
35 to 44 years	14,611	10,873	74.4	10,465	408	3.8	3,739	3,167	132	78	362
35 to 39 years	7,959	5,887	74.0	5,661	226	3.8	2,072	1,790	71	32	179
40 to 44 years	6,652	4,986	75.0	4,804	182	3.6	1,666	1,377	61	45	183
45 to 54 years	10,136	6,782	66.9	6,585	197	2.9	3,354	2,837	46	106	365
45 to 49 years	5,330	3,748	70.3	3,641	107	2.9	1,582	1,340	38	48	157
50 to 54 years	4,806	3,034	63.1	2,944	90	3.0	1,772	1,497	8	58	208
55 to 64 years	10,171	4,265	41.9	4,135	130	3.1	5,906	4,461	11	197	1,237
55 to 59 years	5,058	2,553	50.5	2,485	68	2.7	2,505	1,993	8	91	413
60 to 64 years	5,113	1,712	33.5	1,650	62	3.6	3,400	2,467	3	106	824
65 years and over	14,765	1,044	7.1	1,029	14	1.4	13,721	8,313	8	594	4,806
65 to 69 years	4,715	675	14.3	667	8	1.2	4,039	2,622	2	100	1,315
70 to 74 years	3,876	224	5.8	221	3	1.3	3,653	2,360	2	112	1,178
75 years and over	6,174	145	2.3	141	3	2.3	6,029	3,331	3	382	2,313

**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	April 1987										
	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	20,279	12,639	62.3	11,024	1,615	12.8	7,640	2,968	1,496	594	2,583
16 to 19 years	2,158	769	35.6	490	279	36.3	1,389	92	1,086	-	211
16 to 17 years	1,118	273	24.4	165	108	39.6	845	25	719	-	101
18 to 19 years	1,040	496	47.7	325	171	34.4	544	67	367	-	110
20 to 24 years	2,591	1,747	67.4	1,329	418	23.9	844	348	266	21	209
25 to 54 years	11,095	8,793	79.3	7,945	848	9.6	2,303	1,362	141	252	549
25 to 34 years	5,117	4,098	80.1	3,612	486	11.8	1,018	591	102	74	251
25 to 29 years	2,651	2,098	79.1	1,826	272	13.0	553	314	53	41	145
30 to 34 years	2,465	2,000	81.1	1,787	213	10.6	465	276	49	33	106
35 to 44 years	3,530	2,893	81.9	2,644	249	8.6	637	389	28	61	160
35 to 39 years	2,033	1,688	83.0	1,521	168	10.0	344	216	16	30	82
40 to 44 years	1,497	1,204	80.4	1,124	80	6.6	293	173	11	30	79
45 to 54 years	2,448	1,801	73.6	1,688	114	6.3	647	382	11	117	138
45 to 49 years	1,295	1,001	77.3	936	65	6.5	296	163	6	49	78
50 to 54 years	1,153	801	69.5	752	49	6.1	351	218	4	69	60
55 to 64 years	2,094	1,109	53.0	1,042	67	6.1	985	439	2	134	410
55 to 59 years	1,098	680	62.0	646	34	5.0	418	200	2	70	146
60 to 64 years	995	428	43.0	395	33	7.7	567	238	-	65	264
65 years and over	2,341	222	9.5	219	3	1.5	2,119	727	1	187	1,204
65 to 69 years	854	140	16.4	135	5	3.6	714	226	-	51	437
70 years and over	1,488	82	5.5	84	-	-	1,405	502	1	137	766
Men											
16 years and over	9,095	6,360	69.9	5,532	828	13.0	2,734	107	731	318	1,578
16 to 19 years	1,062	402	37.9	257	145	36.1	659	9	527	-	123
16 to 17 years	563	153	27.3	91	62	40.4	410	5	347	-	57
18 to 19 years	499	249	49.9	166	83	33.5	250	3	180	-	66
20 to 24 years	1,180	898	76.1	690	208	23.2	283	11	136	17	118
25 to 54 years	4,968	4,347	87.5	3,913	434	10.0	622	52	66	153	351
25 to 34 years	2,310	2,028	87.8	1,801	227	11.2	281	25	46	49	161
25 to 29 years	1,197	1,035	86.4	914	121	11.7	162	14	27	21	100
30 to 34 years	1,112	993	89.3	887	106	10.7	119	11	19	28	61
35 to 44 years	1,571	1,399	89.1	1,263	136	9.7	172	10	12	43	107
35 to 39 years	905	808	89.3	720	89	11.0	97	7	9	26	55
40 to 44 years	666	591	88.7	544	47	8.0	75	3	3	16	53
45 to 54 years	1,087	919	84.5	849	70	7.6	168	17	8	61	83
45 to 49 years	575	496	86.2	463	33	6.6	80	3	6	27	44
50 to 54 years	512	423	82.7	386	37	8.8	88	13	2	34	39
55 to 64 years	942	594	63.1	553	41	7.0	348	11	2	72	263
55 to 59 years	497	351	70.7	335	17	4.7	145	5	2	38	100
60 to 64 years	445	243	54.5	218	25	10.2	203	6	-	34	163
65 years and over	943	120	12.7	119	1	.6	823	24	-	76	723
65 to 69 years	371	66	17.8	64	2	(¹)	305	8	-	23	274
70 years and over	572	54	9.4	55	-	(¹)	518	16	-	54	448
Women											
16 years and over	11,184	6,279	56.1	5,492	787	12.5	4,906	2,861	764	277	1,005
16 to 19 years	1,096	366	33.4	233	133	36.4	730	83	559	-	88
16 to 17 years	555	119	21.5	73	46	38.6	436	20	372	-	44
18 to 19 years	541	247	45.7	160	87	35.3	294	64	187	-	44
20 to 24 years	1,411	849	60.2	639	210	24.7	562	337	130	4	91
25 to 54 years	6,127	4,446	72.6	4,032	414	9.3	1,681	1,310	75	99	198
25 to 34 years	2,807	2,070	73.7	1,812	258	12.5	737	566	56	25	90
25 to 29 years	1,454	1,063	73.1	912	151	14.2	391	300	26	20	45
30 to 34 years	1,353	1,007	74.4	900	107	10.6	346	265	30	5	45
35 to 44 years	1,959	1,494	76.2	1,381	113	7.5	465	379	16	18	53
35 to 39 years	1,128	880	78.1	801	79	9.0	247	209	7	4	27
40 to 44 years	831	613	73.7	580	33	5.5	218	170	8	14	26
45 to 54 years	1,361	882	64.8	839	44	5.0	479	365	3	56	55
45 to 49 years	720	505	70.1	473	32	6.3	216	160	-	22	34
50 to 54 years	641	378	58.9	366	12	3.1	263	205	2	35	21
55 to 64 years	1,152	515	44.7	489	26	5.1	637	428	-	62	147
55 to 59 years	602	329	54.7	311	18	5.4	273	196	-	31	46
60 to 64 years	550	186	33.8	177	8	4.5	364	232	-	31	101
65 years and over	1,398	102	7.3	100	3	2.5	1,296	703	1	111	481
65 to 69 years	483	74	15.3	71	3	(¹)	409	218	-	28	163
70 years and over	916	28	3.1	29	-	(¹)	887	486	1	83	318

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	April 1987								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	25,667	16,179	63.0	14,296	210	14,086	1,883	11.6	9,488
16 to 19 years	2,618	924	35.3	616	7	609	308	33.3	1,694
16 to 17 years	1,372	337	24.5	217	5	212	119	35.5	1,036
18 to 19 years	1,246	587	47.2	399	2	397	188	32.1	658
20 to 24 years	3,191	2,137	67.0	1,681	22	1,658	456	21.3	1,054
25 to 54 years	14,507	11,467	79.0	10,448	117	10,331	1,019	8.9	3,040
25 to 34 years	6,615	5,236	79.2	4,663	51	4,612	573	10.9	1,379
25 to 29 years	3,423	2,673	78.1	2,361	20	2,341	311	11.6	750
30 to 34 years	3,193	1,379	43.2	2,302	31	2,271	262	19.0	630
35 to 44 years	4,674	3,829	81.9	3,517	35	3,482	312	8.2	845
35 to 39 years	2,690	2,225	82.7	2,017	23	1,993	207	9.3	465
40 to 44 years	1,984	1,605	80.9	1,499	11	1,488	105	6.5	379
45 to 54 years	3,218	2,402	74.6	2,267	31	2,236	135	5.6	816
45 to 49 years	1,708	1,336	78.2	1,258	8	1,250	78	5.8	372
50 to 54 years	1,510	1,066	70.6	1,008	22	986	58	5.4	445
55 to 64 years	2,570	1,379	53.6	1,283	43	1,239	96	7.0	1,192
55 to 59 years	1,354	855	63.2	806	19	787	50	5.8	499
60 to 64 years	1,217	524	43.0	477	25	452	46	8.8	693
65 years and over	2,781	272	9.8	270	21	249	3	1.0	2,509
65 to 69 years	1,032	174	16.9	169	7	162	5	2.9	858
70 to 74 years	760	70	9.2	71	7	64	-	(¹)	689
75 years and over	989	29	2.9	29	6	23	-	(¹)	961
Men									
16 years and over	11,651	8,270	71.0	7,275	174	7,101	996	12.0	3,380
16 to 19 years	1,291	484	37.5	320	7	313	164	33.8	807
16 to 17 years	680	188	27.7	119	5	114	69	36.7	492
18 to 19 years	612	296	48.4	201	2	200	95	32.0	315
20 to 24 years	1,487	1,106	74.3	876	22	854	230	20.8	382
25 to 54 years	6,581	5,785	87.9	5,245	89	5,156	540	9.3	796
25 to 34 years	3,031	2,660	87.8	2,382	37	2,345	279	10.5	371
25 to 29 years	1,569	1,354	86.3	1,209	13	1,196	145	10.7	215
30 to 34 years	1,462	1,306	89.3	1,173	24	1,149	134	10.2	156
35 to 44 years	2,102	1,890	89.9	1,715	26	1,689	175	9.2	212
35 to 39 years	1,207	1,086	90.0	975	16	958	111	10.2	121
40 to 44 years	895	804	89.8	740	9	731	63	7.9	91
45 to 54 years	1,448	1,235	85.3	1,148	26	1,122	87	7.1	213
45 to 49 years	759	655	86.3	613	8	605	42	6.4	104
50 to 54 years	689	580	84.1	534	18	516	46	7.9	109
55 to 64 years	1,150	749	65.1	688	36	652	61	8.2	401
55 to 59 years	602	444	73.7	418	12	407	26	5.8	158
60 to 64 years	548	305	55.7	270	24	246	35	11.5	243
65 years and over	1,141	147	12.9	146	20	126	1	.4	994
65 to 69 years	444	82	18.4	80	7	73	2	2.1	362
70 to 74 years	314	48	15.3	49	7	42	-	(¹)	265
75 years and over	383	17	4.4	17	6	11	-	(¹)	367
Women									
16 years and over	14,017	7,909	56.4	7,022	37	6,985	887	11.2	6,108
16 to 19 years	1,327	440	33.2	296	-	296	144	32.8	887
16 to 17 years	693	149	21.5	98	-	98	50	33.9	544
18 to 19 years	634	291	45.9	197	-	197	94	32.2	343
20 to 24 years	1,703	1,031	60.5	805	1	805	226	21.9	672
25 to 54 years	7,926	5,682	71.7	5,203	28	5,175	479	8.4	2,244
25 to 34 years	3,584	2,576	71.9	2,281	14	2,267	294	11.4	1,009
25 to 29 years	1,854	1,319	71.1	1,152	7	1,145	166	12.6	535
30 to 34 years	1,731	1,257	72.6	1,129	7	1,122	128	10.2	474
35 to 44 years	2,572	1,940	75.4	1,802	9	1,793	138	7.1	632
35 to 39 years	1,483	1,139	76.8	1,042	7	1,035	96	8.5	344
40 to 44 years	1,089	801	73.6	759	2	758	42	5.2	288
45 to 54 years	1,770	1,119	65.9	1,119	5	1,115	48	4.1	603
45 to 49 years	949	681	71.8	645	-	645	36	5.2	268
50 to 54 years	821	486	59.2	474	4	470	12	2.4	336
55 to 64 years	1,420	629	44.3	595	8	587	35	5.5	791
55 to 59 years	752	411	54.7	387	7	380	24	5.7	341
60 to 64 years	668	218	32.7	207	1	207	11	5.1	450
65 years and over	1,640	126	7.7	123	-	123	2	1.8	1,514
65 to 69 years	588	92	15.6	89	-	89	3	2.9	496
70 to 74 years	446	22	4.9	22	-	22	-	(¹)	424
75 years and over	606	12	2.0	12	-	12	-	(¹)	594

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	
	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987
TOTAL								
Civilian noninstitutional population	180,148	182,344	78,309	79,387	87,355	88,395	14,484	14,562
Civilian labor force	116,317	118,347	60,801	61,660	48,047	49,346	7,468	7,341
Percent of population	64.6	64.9	77.6	77.7	55.0	55.8	51.6	50.4
Employed	108,201	111,041	57,010	58,159	45,120	46,767	6,071	6,115
Agriculture	3,121	3,223	2,298	2,397	554	557	270	269
Nonagricultural industries	105,080	107,817	54,713	55,762	44,566	46,210	5,801	5,845
Unemployed	8,115	7,306	3,791	3,501	2,927	2,579	1,397	1,226
Unemployment rate	7.0	6.2	6.2	5.7	6.1	5.2	18.7	16.7
Not in labor force	63,831	63,997	17,508	17,727	39,308	39,049	7,016	7,221
White								
Civilian noninstitutional population	155,122	156,676	68,255	69,028	74,990	75,705	11,878	11,944
Civilian labor force	100,528	102,168	53,279	53,874	40,796	41,877	6,453	6,417
Percent of population	64.8	65.2	78.1	78.0	54.4	55.3	54.3	53.7
Employed	94,533	96,744	50,413	51,205	38,682	40,041	5,438	5,498
Agriculture	2,909	3,013	2,140	2,231	519	520	251	262
Nonagricultural industries	91,623	93,731	48,273	48,974	38,164	39,521	5,187	5,236
Unemployed	5,996	5,423	2,867	2,669	2,114	1,836	1,015	918
Unemployment rate	6.0	5.3	5.4	5.0	5.2	4.4	15.7	14.3
Not in labor force	54,594	54,509	14,976	15,154	34,194	33,828	5,425	5,527
Black								
Civilian noninstitutional population	19,916	20,279	7,873	8,033	9,906	10,088	2,137	2,158
Civilian labor force	12,579	12,639	5,890	5,958	5,839	5,912	850	769
Percent of population	63.2	62.3	74.8	74.2	58.9	58.6	39.8	35.6
Employed	10,737	11,024	5,098	5,275	5,135	5,259	504	490
Agriculture	153	145	120	119	22	22	11	3
Nonagricultural industries	10,584	10,879	4,978	5,157	5,113	5,236	493	487
Unemployed	1,842	1,615	792	683	703	653	346	279
Unemployment rate	14.6	12.8	13.4	11.5	12.0	11.1	40.7	36.3
Not in labor force	7,337	7,640	1,983	2,075	4,068	4,176	1,287	1,389

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	April 1987									
	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	16,139	7,726	47.9	6,762	1,107	5,655	964	209	755	12.5
16 to 19 years	11,313	4,960	43.8	4,196	333	3,862	764	111	653	15.4
20 to 24 years	4,826	2,766	57.3	2,566	774	1,793	200	98	102	7.2
High school	9,233	3,908	42.3	3,215	200	3,015	693	91	602	17.7
College	6,906	3,818	55.3	3,547	907	2,641	271	118	153	7.1
Full-time students	5,947	2,957	49.7	2,743	379	2,364	214	78	136	7.2
Part-time students	959	861	89.8	805	528	276	57	40	17	6.6
Men, 16 to 24 years	8,179	3,818	46.7	3,310	568	2,741	508	119	389	13.3
16 to 19 years	5,754	2,479	43.1	2,074	181	1,893	406	57	349	16.4
20 to 24 years	2,425	1,339	55.2	1,236	388	848	103	62	41	7.7
High school	4,851	2,049	42.2	1,669	121	1,548	380	51	329	18.5
College	3,327	1,769	53.2	1,640	447	1,193	128	68	60	7.3
Full-time students	2,878	1,356	47.1	1,258	179	1,080	98	47	51	7.3
Part-time students	449	412	91.7	382	268	113	30	21	9	7.3
Women, 16 to 24 years	7,961	3,908	49.1	3,453	539	2,914	456	90	365	11.7
16 to 19 years	5,560	2,481	44.6	2,122	153	1,969	359	54	304	14.5
20 to 24 years	2,401	1,427	59.5	1,330	386	945	97	36	61	6.8
High school	4,382	1,859	42.4	1,545	79	1,466	313	41	273	16.9
College	3,579	2,050	57.3	1,907	460	1,447	142	50	93	6.9
Full-time students	3,069	1,600	52.1	1,485	200	1,285	116	31	85	7.2
Part-time students	510	449	88.1	423	260	163	27	19	8	5.9
White										
Total, 16 to 24 years	13,377	6,821	51.0	6,110	969	5,140	711	131	580	10.4
16 to 19 years	9,326	4,431	47.5	3,838	298	3,540	593	79	514	13.4
20 to 24 years	4,051	2,390	59.0	2,271	671	1,600	119	52	66	5.0
Men	6,799	3,362	49.4	2,985	499	2,486	377	74	303	11.2
Women	6,578	3,459	52.6	3,125	470	2,654	334	57	277	9.7
High school	7,462	3,444	46.2	2,916	179	2,737	528	58	471	15.3
College	5,915	3,377	57.1	3,194	791	2,403	183	74	110	5.4
Full-time students	5,096	2,629	51.6	2,481	320	2,161	147	49	99	5.6
Part-time students	819	748	91.4	712	471	242	36	25	11	4.8
Black										
Total, 16 to 24 years	2,131	698	32.8	475	98	377	223	70	153	32.0
16 to 19 years	1,606	433	26.9	280	24	256	153	30	123	35.4
20 to 24 years	525	265	50.5	195	74	121	70	40	30	26.5
Men	1,041	349	33.5	235	48	187	114	39	75	32.7
Women	1,090	349	32.0	240	50	190	109	31	78	31.3
High school	1,444	383	26.5	238	13	225	145	27	117	37.8
College	686	315	45.9	236	84	152	79	43	36	24.9
Full-time students	574	228	39.7	167	40	127	61	28	33	26.6
Part-time students	112	87	77.3	69	44	25	18	15	3	20.6
Hispanic origin										
Total, 16 to 24 years	1,228	462	37.6	390	71	318	73	26	47	15.7
16 to 19 years	921	277	30.0	223	14	210	53	13	40	19.3
20 to 24 years	307	185	60.4	166	58	109	19	12	7	10.4
Men	610	202	33.1	169	26	142	33	16	17	16.3
Women	618	260	42.1	221	45	176	40	10	30	15.3
High school	833	228	27.4	180	4	176	48	14	34	21.0
College	396	234	59.2	210	67	142	25	12	13	10.6
Full-time students	297	146	49.3	128	25	103	18	7	11	12.6
Part-time students	99	88	89.3	82	43	39	6	5	2	7.2

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	April 1987									
	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	17,544	14,365	81.9	12,634	10,839	1,796	1,730	1,546	184	12.0
16 to 19 years	3,248	2,381	73.3	1,919	1,428	490	462	391	71	19.4
20 to 24 years	14,296	11,984	83.8	10,715	9,410	1,305	1,268	1,155	114	10.6
Less than 4 years of high school	4,218	2,718	64.4	2,092	1,675	417	625	553	72	23.0
4 years of high school	9,103	7,732	84.9	6,889	5,900	989	843	760	82	10.9
1 to 3 years of college	2,768	2,510	90.7	2,320	2,034	286	191	166	25	7.6
4 years of college or more	1,455	1,405	96.5	1,333	1,230	103	72	67	4	5.1
Men, 16 to 24 years	8,410	7,693	91.5	6,717	6,069	648	976	924	52	12.7
16 to 19 years	1,555	1,282	82.5	1,003	805	198	279	250	29	21.8
20 to 24 years	6,855	6,411	93.5	5,714	5,264	450	697	674	23	10.9
Less than 4 years of high school	2,210	1,817	82.3	1,415	1,214	201	403	378	25	22.2
4 years of high school	4,338	4,071	93.8	3,613	3,307	307	458	436	21	11.2
1 to 3 years of college	1,183	1,145	96.8	1,063	964	100	82	77	5	7.1
4 years of college or more	679	660	97.1	626	585	41	34	33	1	5.1
Women, 16 to 24 years	9,134	6,671	73.0	5,917	4,770	1,147	754	622	132	11.3
16 to 19 years	1,694	1,098	64.9	915	623	292	183	141	42	16.7
20 to 24 years	7,440	5,573	74.9	5,002	4,146	855	571	481	90	10.3
Less than 4 years of high school	2,008	900	44.8	678	462	216	223	175	48	24.7
4 years of high school	4,765	3,661	76.8	3,276	2,593	683	385	324	61	10.5
1 to 3 years of college	1,585	1,365	86.2	1,257	1,070	186	109	89	20	8.0
4 years of college or more	776	745	96.0	707	645	63	38	34	4	5.1
White										
Total, 16 to 24 years	14,497	12,209	84.2	10,990	9,522	1,468	1,219	1,093	126	10.0
16 to 19 years	2,617	1,986	75.9	1,660	1,269	391	325	267	59	16.4
20 to 24 years	11,880	10,223	86.1	9,329	8,253	1,076	894	827	67	8.7
Men	7,011	6,560	93.6	5,846	5,336	510	714	671	43	10.9
Women	7,486	5,649	75.5	5,144	4,186	957	505	422	83	8.9
Less than 4 years of high school	3,288	2,235	68.0	1,792	1,476	316	443	396	46	19.8
4 years of high school	7,599	6,606	86.9	6,011	5,174	837	595	539	56	9.0
1 to 3 years of college	2,294	2,095	91.3	1,972	1,752	220	124	105	19	5.9
4 years of college or more	1,316	1,272	96.6	1,215	1,120	95	57	53	4	4.5
Black										
Total, 16 to 24 years	2,618	1,817	69.4	1,344	1,059	285	473	419	54	26.0
16 to 19 years	552	336	60.9	210	128	82	126	115	11	37.4
20 to 24 years	2,066	1,481	71.7	1,134	930	203	348	304	43	23.5
Men	1,201	951	79.2	712	594	118	239	231	9	25.2
Women	1,417	866	61.1	632	464	168	234	189	45	27.0
Less than 4 years of high school	802	395	49.2	221	142	79	174	149	25	44.2
4 years of high school	1,316	975	74.1	750	609	141	225	200	25	23.1
1 to 3 years of college	394	345	87.6	284	225	59	61	57	4	17.7
4 years of college or more	105	102	97.1	89	83	6	13	13		12.8
Hispanic origin										
Total, 16 to 24 years	1,983	1,485	74.9	1,277	1,119	157	209	193	15	14.0
16 to 19 years	403	276	68.6	217	168	49	59	44	15	21.5
20 to 24 years	1,580	1,209	76.5	1,060	952	108	149	149	-	12.3
Men	1,027	943	91.9	808	741	67	135	129	6	14.3
Women	956	542	56.7	468	378	90	74	65	9	13.6
Less than 4 years of high school	969	650	67.1	540	477	63	110	100	10	16.9
4 years of high school	727	593	81.6	513	447	66	80	76	4	13.5
1 to 3 years of college	231	191	82.6	172	148	25	19	17	1	9.9
4 years of college or more	56	52	(²)	51	47	4	-	-		(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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	Apr. 1986	Apr. 1987	Total		Employed		Unemployed			
			Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Number		Percent of labor force	
							Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987
VIETNAM-ERA VETERANS										
Total, 30 years and over	7,724	7,816	7,164	7,277	6,794	6,896	370	381	5.2	5.2
30 to 44 years	6,412	6,232	6,105	5,983	5,778	5,670	327	313	5.4	5.2
30 to 34 years	1,190	968	1,116	930	1,031	839	85	91	7.6	9.8
35 to 39 years	3,163	2,707	3,022	2,596	2,860	2,475	162	121	5.4	4.7
40 to 44 years	2,059	2,557	1,967	2,457	1,887	2,356	80	101	4.1	4.1
45 years and over	1,312	1,584	1,059	1,294	1,016	1,226	43	68	4.1	5.3
NONVETERANS										
Total, 30 to 44 years	18,176	19,252	17,194	18,164	16,251	17,302	943	862	5.5	4.7
30 to 34 years	8,451	8,769	8,039	8,342	7,562	7,924	477	418	5.9	5.0
35 to 39 years	5,514	6,110	5,226	5,750	4,964	5,490	262	260	5.0	4.5
40 to 44 years	4,211	4,373	3,929	4,072	3,725	3,888	204	184	5.2	4.5

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

are limited to those 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	April 1987							
	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	90,980	89,398	1,582	20,061	16,613	3,448	5,890	1,415
16 to 19 years	1,761	1,671	90	4,353	4,027	326	503	723
16 to 17 years	198	183	15	2,227	2,155	72	114	477
18 to 19 years	1,564	1,488	76	2,125	1,871	254	389	246
20 years and over	89,217	87,726	1,491	15,709	12,587	3,122	5,388	692
20 to 24 years	10,183	9,945	238	3,098	2,459	639	1,253	215
25 years and over	79,035	77,781	1,254	12,610	10,127	2,483	4,134	477
25 to 54 years	68,099	67,010	1,089	9,198	7,141	2,057	3,727	363
55 years and over	10,935	10,771	164	3,412	2,986	426	407	114
Men, 16 years and over	54,635	53,675	960	6,601	5,204	1,397	3,595	590
16 to 19 years	986	933	53	2,091	1,942	149	307	377
20 years and over	53,650	52,742	908	4,509	3,262	1,247	3,288	213
20 to 24 years	5,652	5,498	154	1,298	1,042	256	736	64
25 years and over	47,998	47,244	754	3,211	2,220	991	2,552	148
25 to 54 years	40,937	40,265	672	1,808	1,003	805	2,270	91
55 years and over	7,061	6,978	83	1,403	1,217	186	282	57
Women, 16 years and over	36,344	35,723	621	13,460	11,409	2,051	2,295	825
16 to 19 years	776	738	38	2,262	2,085	177	195	346
20 years and over	35,569	34,985	584	11,199	9,325	1,874	2,100	479
20 to 24 years	4,533	4,448	85	1,799	1,416	383	517	151
25 years and over	31,034	30,536	498	9,401	7,909	1,492	1,584	328
25 to 54 years	27,162	26,745	417	7,391	6,139	1,252	1,459	271
55 years and over	3,873	3,791	82	2,010	1,770	240	125	57
White								
Men, 16 years and over	48,242	47,442	800	5,719	4,642	1,077	2,727	463
16 to 19 years	877	827	50	1,880	1,774	106	224	296
20 years and over	47,366	46,616	750	3,840	2,868	972	2,503	166
20 to 24 years	4,958	4,840	118	1,115	923	192	521	49
25 years and over	42,407	41,776	631	2,723	1,944	779	1,983	117
25 to 54 years	36,020	35,464	556	1,480	841	639	1,755	66
55 years and over	6,387	6,312	75	1,243	1,102	141	228	51
Women, 16 years and over	30,717	30,240	477	12,066	10,452	1,614	1,603	631
16 to 19 years	691	657	34	2,051	1,906	145	121	276
20 years and over	30,025	29,582	443	10,016	8,547	1,469	1,481	355
20 to 24 years	3,966	3,916	50	1,562	1,269	293	358	84
25 years and over	26,060	25,666	394	8,454	7,278	1,176	1,123	271
25 to 54 years	22,676	22,352	324	6,674	5,673	1,001	1,026	224
55 years and over	3,385	3,315	70	1,780	1,605	175	97	47
Black								
Men, 16 years and over	4,875	4,738	137	656	388	268	712	116
16 to 19 years	89	86	3	168	134	34	78	68
20 years and over	4,787	4,652	135	488	254	234	635	49
20 to 24 years	554	521	33	136	78	58	192	16
25 years and over	4,233	4,131	102	352	176	176	443	33
25 to 54 years	3,697	3,603	94	216	83	133	407	26
55 years and over	536	528	8	136	93	43	36	7
Women, 16 years and over	4,416	4,300	116	1,076	709	367	615	171
16 to 19 years	63	62	1	169	143	26	68	66
20 years and over	4,352	4,237	115	907	566	341	548	106
20 to 24 years	451	422	29	189	106	83	152	58
25 years and over	3,901	3,815	86	717	459	258	396	48
25 to 54 years	3,497	3,419	78	533	325	208	375	40
55 years and over	404	396	8	184	134	50	21	8

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	April 1987									
	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	96,917	65.5	90,810	6,107	6.3	51,140	23,419	8,197	2,244	17,280
Husbands	39,722	78.5	38,110	1,612	4.1	10,905	235	233	920	9,517
With employed wife	25,007	91.8	24,118	889	3.6	2,247	97	146	325	1,678
With unemployed wife	1,026	91.4	873	153	14.9	96	3	5	22	66
With wife not in labor force	13,689	61.5	13,119	570	4.2	8,563	134	82	573	7,773
Wives	28,376	56.0	27,253	1,122	4.0	22,252	18,376	365	339	3,171
With employed husband	24,991	65.6	24,118	873	3.5	13,119	11,701	307	121	990
With unemployed husband	1,042	64.6	889	153	14.7	570	507	13	16	33
With husband not in labor force	2,343	21.5	2,247	96	4.1	8,563	6,168	44	202	2,148
Relatives in married-couple families	13,199	61.3	11,657	1,542	11.7	8,339	753	5,519	341	1,726
16 to 19 years	4,899	50.7	4,200	699	14.3	4,763	99	4,096	12	557
20 to 24 years	5,003	74.6	4,503	500	10.0	1,704	140	1,267	42	255
25 years and over	3,297	63.8	2,954	343	10.4	1,872	514	156	287	914
Women who maintain families	6,562	62.2	5,972	590	9.0	3,992	2,815	159	191	827
Relatives in families maintained by women	5,305	57.5	4,407	898	16.9	3,926	841	1,601	296	1,188
16 to 19 years	1,366	45.7	1,027	339	24.8	1,625	90	1,272	7	256
20 to 24 years	1,616	72.1	1,341	275	17.0	626	171	246	23	186
25 years and over	2,323	58.1	2,039	284	12.2	1,675	580	83	266	746
Men who maintain families	2,082	75.8	1,943	139	6.7	663	36	26	74	527
Relatives in families maintained by men	1,671	61.1	1,468	203	12.2	1,063	363	294	83	323
16 to 19 years	271	47.7	211	60	22.2	298	14	231	3	49
20 to 24 years	520	83.7	448	73	14.0	101	24	45	2	31
25 years and over	879	57.0	809	70	8.0	664	325	18	78	243

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

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987
Total, 16 years and over	4,527	4,185	7.0	6.4	3,588	3,120	6.9	5.9
Married, spouse present	1,815	1,759	4.4	4.2	1,387	1,206	4.9	4.1
Widowed, divorced, or separated	585	528	9.1	8.0	769	677	7.5	6.7
Single (never married)	2,127	1,899	12.5	11.1	1,432	1,238	10.8	9.2
White, 16 years and over	3,409	3,190	6.0	5.6	2,587	2,234	5.9	5.0
Married, spouse present	1,480	1,448	4.0	3.9	1,147	980	4.6	3.8
Widowed, divorced, or separated	430	406	8.1	7.4	538	485	6.5	6.0
Single (never married)	1,499	1,336	10.5	9.3	902	768	8.4	7.1
Black, 16 years and over	960	828	15.2	13.0	882	787	14.1	12.5
Married, spouse present	253	221	8.3	7.1	172	165	7.3	7.0
Widowed, divorced, or separated	141	108	14.5	11.2	210	183	12.2	10.3
Single (never married)	566	499	24.5	21.8	500	438	22.9	20.5
Total, 25 years and over	2,870	2,701	5.4	5.0	2,240	1,911	5.5	4.5
Married, spouse present	1,667	1,628	4.2	4.1	1,172	976	4.6	3.6
Widowed, divorced, or separated	551	487	8.9	7.7	695	571	7.2	5.9
Single (never married)	651	585	8.8	7.5	373	364	6.8	6.5
White, 25 years and over	2,213	2,099	4.8	4.4	1,671	1,394	4.8	3.9
Married, spouse present	1,353	1,335	3.8	3.7	970	797	4.3	3.3
Widowed, divorced, or separated	400	374	7.8	7.2	483	400	6.2	5.2
Single (never married)	460	390	7.5	6.1	216	196	5.1	4.6
Black, 25 years and over	555	475	11.2	9.4	487	443	9.9	8.8
Married, spouse present	241	208	8.3	7.0	147	125	6.8	5.7
Widowed, divorced, or separated	137	100	14.3	10.5	194	164	11.7	9.5
Single (never married)	177	167	16.5	14.9	145	155	13.4	13.6

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-12. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987
Total, 16 years and over	8,115	7,306	7.0	6.2	7.0	6.4	6.9	5.9
Managerial and professional specialty	568	596	2.1	2.1	1.9	2.1	2.4	2.1
Executive, administrative, and managerial	279	335	2.2	2.5	2.0	2.4	2.5	2.8
Professional specialty	288	261	2.0	1.8	1.8	1.9	2.2	1.7
Technical, sales, and administrative support	1,565	1,547	4.4	4.3	3.6	4.0	4.9	4.4
Technicians and related support	121	118	3.6	3.6	4.0	4.3	3.1	2.8
Sales occupations	682	696	5.0	5.0	3.4	3.8	6.7	6.4
Administrative support, including clerical	763	733	4.1	3.9	3.8	4.3	4.2	3.8
Service occupations	1,420	1,234	8.8	7.6	8.8	8.3	8.9	7.1
Private household	80	57	7.4	5.6	(¹)	(¹)	7.2	5.3
Protective service	93	100	5.1	5.0	4.2	5.1	11.1	5.0
Service, except private household and protective	1,247	1,076	9.5	8.1	10.4	9.5	9.0	7.3
Precision production, craft, and repair	1,124	941	8.0	6.5	7.7	6.4	10.3	7.9
Mechanics and repairers	241	202	5.3	4.4	5.2	4.4	7.8	3.3
Construction trades	576	534	10.9	9.8	10.8	9.7	18.9	16.2
Other precision production, craft, and repair	307	206	7.2	4.7	6.4	3.8	9.8	7.7
Operators, fabricators, and laborers	2,099	1,855	11.1	9.8	10.6	9.5	12.6	10.6
Machine operators, assemblers, and inspectors	913	817	10.6	9.4	8.7	8.1	13.3	11.2
Transportation and material moving occupations	472	366	9.5	7.3	9.9	7.6	5.7	4.8
Handlers, equipment cleaners, helpers, and laborers	715	672	13.6	12.9	13.6	13.2	13.2	11.3
Construction laborers	173	204	21.0	22.2	21.0	21.8	(¹)	(¹)
Other handlers, equipment cleaners, helpers, and laborers	542	468	12.2	10.9	12.0	11.0	12.9	10.4
Farming, forestry, and fishing	303	242	8.2	6.5	7.8	6.7	10.5	4.9
No previous work experience	984	846						
16 to 19 years	652	568						
20 to 24 years	201	159						
25 years and over	131	119						

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	
	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987
Total, 16 years and over	8,115	7,306	7.0	6.2	7.0	6.4	6.9	5.9
Nonagricultural private wage and salary workers	6,184	5,516	7.1	6.2	7.3	6.6	6.9	5.9
Mining	138	104	13.7	12.3	14.9	13.4	7.6	6.0
Construction	819	778	13.5	13.0	13.8	13.4	9.7	9.1
Manufacturing	1,503	1,339	6.9	6.2	5.8	5.4	9.1	7.9
Durable goods	877	774	6.7	6.1	6.0	5.7	8.9	6.9
Lumber and wood products	92	81	13.2	11.3	14.3	11.5	7.2	10.6
Furniture and fixtures	50	55	7.8	7.9	7.0	6.4	9.6	11.3
Stone, clay, and glass products	43	37	6.5	5.9	5.1	6.2	10.7	4.4
Primary metal industries	75	80	8.8	8.7	9.0	7.8	7.6	14.4
Fabricated metal products	92	111	6.8	9.0	6.9	8.7	6.5	9.9
Machinery, except electrical	161	106	6.1	4.2	5.1	3.7	9.4	5.9
Electrical machinery, equipment, and supplies	137	122	6.2	5.3	4.1	5.1	9.2	5.6
Transportation equipment	151	121	5.5	4.5	4.8	4.1	8.3	6.1
Automobiles	91	79	7.0	6.5	6.1	5.7	10.5	9.6
Other transportation equipment	59	42	4.2	2.9	3.6	2.7	6.1	3.2
Professional and photographic equipment	33	34	4.5	5.2	3.5	5.4	5.9	4.9
Other durable goods industries	45	27	8.1	5.7	4.3	5.3	13.8	6.0
Nondurable goods	626	565	7.1	6.4	5.5	4.7	9.4	8.8
Food and kindred products	211	171	11.4	9.3	8.5	6.5	17.5	14.8
Textile mill products	41	38	5.4	5.0	4.6	2.7	6.2	7.9
Apparel and other textile products	133	121	10.1	9.2	7.4	4.1	11.1	10.9
Paper and allied products	31	30	4.2	3.9	3.7	3.6	5.8	4.7
Printing and publishing	74	75	4.3	4.3	3.6	3.9	5.2	4.9
Chemicals and allied products	47	59	3.7	4.7	2.7	4.1	5.9	6.2
Rubber and miscellaneous plastics products	55	34	7.5	4.6	7.3	5.5	7.9	2.9
Other nondurable goods industries	34	38	8.2	9.0	6.0	6.4	12.4	14.3
Transportation and public utilities	328	291	5.5	4.8	6.3	5.4	3.5	3.5
Transportation	252	218	7.5	6.3	8.4	7.0	4.4	4.1
Communications and other public utilities	76	74	3.0	2.9	3.0	2.7	2.8	3.1
Wholesale and retail trade	1,733	1,577	7.8	6.9	7.1	6.1	8.5	7.9
Wholesale trade	240	196	5.5	4.5	5.4	3.9	5.9	5.9
Retail trade	1,493	1,381	8.4	7.5	7.8	6.9	8.9	8.2
Finance, insurance, and real estate	211	226	3.1	3.2	3.1	3.0	3.1	3.3
Service industries	1,453	1,201	6.3	5.0	7.0	6.1	5.9	4.3
Professional services	502	414	3.9	3.1	3.7	3.4	4.0	2.9
Other service industries	951	787	9.4	7.4	9.6	8.3	9.2	6.6
Agricultural wage and salary workers	233	155	13.1	8.8	12.3	9.0	16.3	8.0
Government, self-employed, and unpaid family workers	713	789	2.7	2.9	2.6	3.2	2.8	2.4
No previous work experience	984	846	-	-	-	-	-	-

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	
	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987
NUMBER OF UNEMPLOYED												
Total unemployed	8,115	7,306	3,791	3,501	2,927	2,579	1,397	1,226	5,996	5,423	1,842	1,615
Job losers	4,095	3,788	2,618	2,446	1,211	1,133	266	209	3,108	2,887	844	768
On layoff	1,020	923	660	578	311	304	49	41	873	753	118	156
Other job losers	3,075	2,865	1,958	1,868	900	829	217	168	2,235	2,134	726	612
Job leavers	996	860	445	405	425	353	126	103	803	685	161	137
Reentrants	2,042	1,812	601	571	1,088	895	353	346	1,463	1,271	523	466
New entrants	982	846	126	79	204	198	651	568	622	580	313	245
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	50.5	51.8	69.1	69.9	41.3	43.9	19.1	17.0	51.9	53.3	45.8	47.5
On layoff	12.6	12.6	17.4	16.5	10.6	11.8	3.5	3.3	14.6	13.9	6.4	9.7
Other job losers	37.9	39.2	51.7	53.4	30.7	32.1	15.6	13.7	37.3	39.4	39.4	37.9
Job leavers	12.3	11.8	11.7	11.6	14.5	13.7	9.0	8.4	13.4	12.6	8.8	8.5
Reentrants	25.2	24.8	15.9	16.3	37.2	34.7	25.3	28.3	24.4	23.4	28.4	28.8
New entrants	12.1	11.6	3.3	2.3	7.0	7.7	46.6	46.4	10.4	10.7	17.0	15.2
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	3.5	3.2	4.3	3.9	2.5	2.3	3.6	2.9	3.1	2.8	6.7	6.1
Job leavers .....	.9	.7	.7	.7	.9	.7	1.7	1.4	.8	.7	1.3	1.1
Reentrants	1.8	1.5	1.0	.9	2.3	1.8	4.7	4.7	1.5	1.2	4.2	3.7
New entrants .....	.8	.7	.2	.1	.4	.4	8.7	7.7	.6	.6	2.5	1.9

**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	April 1987						
	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	7,306	100.0	38.9	27.6	33.4	17.8	15.7
Job losers	3,788	100.0	31.4	26.1	42.6	23.3	19.3
On layoff	923	100.0	46.9	21.7	31.4	20.6	10.9
Other job losers	2,865	100.0	26.4	27.5	46.2	24.1	22.0
Job leavers	860	100.0	44.1	31.2	24.7	12.2	12.4
Reentrants	1,812	100.0	47.3	28.0	24.7	12.9	11.8
New entrants	846	100.0	49.6	30.4	20.0	9.0	11.0
Men, 20 years and over	3,501	100.0	30.6	26.8	42.5	22.0	20.5
Job losers	2,446	100.0	26.8	25.6	47.6	25.5	22.1
On layoff	578	100.0	40.0	24.5	35.5	23.2	12.3
Other job losers	1,868	100.0	22.7	25.9	51.4	26.2	25.2
Job leavers	405	100.0	42.4	27.4	30.2	13.9	16.3
Reentrants	571	100.0	39.2	32.1	28.6	14.0	14.6
New entrants	79	100.0	26.9	25.7	47.5	12.3	35.2
Women, 20 years and over	2,579	100.0	42.9	28.1	29.0	15.4	13.6
Job losers	1,133	100.0	36.6	26.9	36.5	20.4	16.0
On layoff	304	100.0	54.5	18.8	26.7	17.1	9.6
Other job losers	829	100.0	30.0	29.9	40.1	21.7	18.4
Job leavers	353	100.0	43.5	35.6	21.0	11.1	9.8
Reentrants	895	100.0	49.6	26.6	23.8	11.6	12.2
New entrants	198	100.0	47.6	28.6	23.8	10.6	13.2
Both sexes, 16 to 19 years	1,226	100.0	54.3	29.0	16.8	10.8	6.0
Job losers	209	100.0	56.3	26.9	16.8	13.1	3.7
On layoff	41	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Other job losers	168	100.0	48.8	32.5	18.6	14.1	4.5
Job leavers	103	100.0	52.7	31.6	15.6	9.6	6.0
Reentrants	346	100.0	54.7	24.8	20.5	14.2	6.2
New entrants	568	100.0	53.6	31.7	14.8	8.0	6.8

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	
	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987
Total, 16 years and over	8,115	7,306	100.0	100.0	6,627	5,890	100.0	100.0
Less than 5 weeks	3,214	2,844	39.6	38.9	2,399	2,028	36.2	34.4
5 to 14 weeks	2,395	2,020	29.5	27.6	1,984	1,653	29.9	28.1
5 to 10 weeks	1,662	1,389	20.5	19.0	1,360	1,101	20.5	18.7
11 to 14 weeks	733	632	9.0	8.7	624	551	9.4	9.4
15 weeks and over	2,507	2,442	30.9	33.4	2,244	2,210	33.9	37.5
15 to 26 weeks	1,254	1,297	15.5	17.8	1,116	1,168	16.8	19.8
27 weeks and over	1,253	1,145	15.4	15.7	1,128	1,042	17.0	17.7
27 to 51 weeks	515	498	6.3	6.8	451	448	6.8	7.6
52 weeks and over	738	647	9.1	8.9	676	594	10.2	10.1
Average (mean) duration, in weeks	15.8	16.0			17.1	17.5		
Median duration, in weeks	7.9	8.3			8.9	9.9		

**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	
								Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987
	April 1987										
Total, 16 years and over	7,306	2,844	2,020	1,297	1,145	16.0	8.3	39.6	38.9	30.9	33.4
16 to 19 years	1,226	665	355	132	74	8.8	4.6	51.3	54.3	18.8	16.8
20 to 24 years	1,468	617	445	236	170	12.6	6.8	43.8	42.0	26.9	27.7
25 to 34 years	2,115	799	568	410	338	16.1	8.9	39.9	37.8	30.4	35.4
35 to 44 years	1,256	391	336	266	263	20.6	11.8	32.0	31.1	38.2	42.1
45 to 54 years	719	231	178	142	168	21.2	11.6	29.1	32.2	41.6	43.2
55 to 64 years	457	119	123	93	121	24.3	13.6	29.9	26.2	42.7	46.9
65 years and over	64	21	16	18	10	(¹)	(¹)	35.9	(¹)	32.7	(¹)
Men, 16 years and over	4,185	1,418	1,155	842	771	18.2	10.1	35.0	33.9	35.7	38.5
16 to 19 years	685	345	215	73	52	9.6	5.0	48.1	50.4	20.3	18.2
20 to 24 years	800	290	243	166	100	14.5	8.9	40.2	36.2	32.9	33.4
25 to 34 years	1,176	392	313	261	210	17.9	10.9	32.8	33.3	35.8	40.1
35 to 44 years	711	188	195	157	171	23.1	13.4	26.7	26.4	45.2	46.2
45 to 54 years	475	131	107	103	134	24.3	15.0	26.2	27.6	44.3	49.9
55 to 64 years	292	61	70	66	95	28.3	17.7	31.0	20.8	44.9	55.1
65 years and over	48	12	12	15	8	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,120	1,426	865	455	375	13.0	6.1	45.4	45.7	24.8	26.6
16 to 19 years	542	320	140	59	22	7.9	4.2	54.8	59.2	17.1	15.0
20 to 24 years	668	327	202	70	70	10.5	5.2	48.5	48.9	18.9	20.9
25 to 34 years	939	408	255	148	128	13.9	7.0	48.6	43.4	23.9	29.4
35 to 44 years	546	203	141	109	92	17.5	9.5	38.3	37.3	29.8	36.8
45 to 54 years	245	100	71	39	34	15.2	6.6	33.6	41.0	37.4	30.1
55 to 64 years	165	59	53	27	26	17.3	9.2	28.3	35.7	39.2	32.4
65 years and over	17	9	4	3	2	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	5,423	2,147	1,528	947	802	15.5	7.8	40.6	39.6	30.4	32.2
Men	3,190	1,102	880	642	565	17.7	9.8	35.4	34.6	35.8	37.8
Women	2,234	1,044	648	305	237	12.3	5.8	47.4	46.8	23.2	24.2
Black, 16 years and over	1,615	591	444	287	294	17.4	9.5	37.1	36.6	32.2	36.0
Men	828	265	238	159	166	19.6	10.9	34.3	32.0	35.6	39.3
Women	787	326	206	128	127	15.1	7.9	40.0	41.4	28.5	32.4
Men, 16 years and over:											
Married, spouse present	1,759	510	442	427	379	20.2	13.4	29.0	29.0	41.6	45.9
Widowed, divorced, or separated	528	140	147	100	142	24.7	12.5	30.6	26.4	40.2	45.8
Single (never married)	1,899	768	566	315	250	14.5	7.5	41.2	40.5	29.6	29.7
Women, 16 years and over:											
Married, spouse present	1,206	558	309	194	146	13.1	6.0	43.8	46.2	27.6	28.2
Widowed, divorced, or separated	677	248	210	119	99	15.8	8.4	41.5	36.7	29.1	32.2
Single (never married)	1,238	620	346	141	130	11.4	5.0	49.1	50.1	19.8	21.9

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	
	April 1987							Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987
OCCUPATION											
Managerial and professional specialty	596	211	153	109	122	18.4	10.6	36.5	35.5	29.9	38.8
Technical, sales, and administrative support	1,547	603	455	290	200	14.3	8.1	42.2	39.0	27.3	31.7
Service occupations	1,234	525	330	189	189	15.7	7.2	42.7	42.6	27.8	30.6
Precision production, craft, and repair	941	343	257	195	147	16.7	8.7	32.6	36.4	37.4	36.3
Operators, fabricators, and laborers	1,855	632	491	383	349	18.3	10.4	35.1	34.1	36.6	39.5
Farming, forestry, and fishing	242	98	62	49	34	14.6	7.8	41.5	40.3	29.6	34.2
INDUSTRY¹											
Agriculture	155	65	38	29	23	14.7	7.0	46.4	42.2	24.4	33.4
Construction	793	266	210	213	104	15.8	10.8	30.9	33.6	42.2	39.9
Manufacturing	1,345	455	376	231	283	19.4	10.0	32.7	33.8	36.8	38.2
Durable goods	780	237	225	133	185	21.1	10.9	31.2	30.4	38.1	40.7
Nondurable goods	565	218	151	98	98	17.0	8.9	34.9	38.6	34.9	34.7
Transportation and public utilities	326	119	78	79	49	16.9	9.6	38.7	36.4	39.8	39.5
Wholesale and retail trade	1,584	629	501	266	189	13.6	7.1	40.6	39.7	28.0	28.7
Finance and service industries	1,661	694	388	306	271	16.3	7.9	42.7	41.8	26.9	34.7
Public administration	248	92	54	45	57	19.5	12.2	31.8	37.0	35.6	41.2
No previous work experience	846	420	257	76	93	12.0	5.1	50.8	49.7	22.5	20.0

¹ Includes wage and salary workers only.

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

Sex, age, and race	April 1987								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	7,306	6,255	22.1	7.1	74.8	33.6	16.6	5.0	1.59
16 to 19 years	1,226	1,172	12.5	2.8	83.3	22.6	12.7	3.2	1.37
20 to 24 years	1,468	1,286	21.3	7.2	75.3	34.3	13.6	5.5	1.57
25 to 34 years	2,115	1,772	25.2	7.2	72.9	39.0	17.8	3.8	1.66
35 to 44 years	1,256	1,049	26.6	9.2	72.8	34.6	20.9	6.6	1.71
45 to 54 years	719	549	24.4	12.2	75.4	38.6	15.7	4.4	1.71
55 to 64 years	457	374	27.0	6.4	58.6	30.7	23.8	10.4	1.57
65 years and over	64	53	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Men, 16 years and over	4,185	3,504	23.7	6.8	75.7	32.7	18.3	5.3	1.62
16 to 19 years	685	659	14.6	3.5	83.8	26.1	14.6	1.2	1.44
20 to 24 years	800	672	22.9	5.8	76.3	32.6	14.6	6.5	1.59
25 to 34 years	1,176	967	26.2	6.2	74.9	38.3	19.3	4.7	1.69
35 to 44 years	711	575	28.5	9.9	74.6	32.3	24.0	7.3	1.77
45 to 54 years	475	359	24.0	13.4	75.5	35.7	16.2	3.6	1.68
55 to 64 years	292	231	32.0	4.8	55.8	26.4	25.1	13.4	1.58
65 years and over	48	41	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,120	2,752	20.1	7.4	73.6	34.8	14.5	4.5	1.55
16 to 19 years	542	513	9.7	1.9	82.7	17.9	10.3	6.0	1.29
20 to 24 years	668	614	19.5	8.6	74.3	36.3	12.5	4.4	1.56
25 to 34 years	939	804	24.1	8.5	70.6	39.9	15.9	2.9	1.62
35 to 44 years	546	475	24.0	8.2	70.5	37.3	17.1	5.7	1.63
45 to 54 years	245	190	25.3	9.5	75.3	44.2	14.7	5.8	1.75
55 to 64 years	165	143	18.9	9.8	62.9	37.8	21.7	5.6	1.57
65 years and over	17	12	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	5,423	4,567	21.4	7.5	75.4	35.0	16.4	5.0	1.61
Men	3,190	2,622	23.2	7.3	76.5	33.6	18.1	5.5	1.64
Women	2,234	1,945	19.0	7.8	73.8	36.8	14.1	4.3	1.56
Black, 16 years and over	1,615	1,452	24.5	5.6	75.6	29.3	16.7	4.5	1.56
Men	828	729	27.3	5.1	75.7	29.4	18.0	4.0	1.59
Women	787	723	21.7	6.1	75.4	29.0	15.4	5.0	1.53

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	April 1987								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	7,306	6,255	22.1	7.1	74.8	33.6	16.6	5.0	1.59
Job losers ¹	3,788	2,851	27.7	8.3	77.6	36.0	18.5	4.9	1.73
Job leavers	860	878	18.9	8.2	70.8	41.6	13.4	3.8	1.57
Reentrants	1,812	1,689	20.5	7.1	70.3	32.0	16.6	6.3	1.53
New entrants	846	839	9.5	1.9	78.5	20.7	13.6	3.8	1.28
Men, 16 years and over	4,185	3,504	23.7	6.8	75.7	32.7	18.3	5.3	1.62
Job losers ¹	2,571	1,950	28.2	7.5	78.3	33.7	18.5	5.0	1.71
Job leavers	470	475	22.7	6.3	72.0	42.7	16.6	3.8	1.64
Reentrants	765	704	19.2	7.4	69.9	28.3	20.2	8.5	1.53
New entrants	380	376	9.8	2.7	77.7	23.4	15.7	2.9	1.32
Women, 16 years and over	3,120	2,752	20.1	7.4	73.6	34.8	14.5	4.5	1.55
Job losers ¹	1,217	901	26.6	10.0	76.0	40.8	18.4	4.8	1.77
Job leavers	390	403	14.4	10.4	69.2	40.2	9.7	3.7	1.48
Reentrants	1,047	985	21.7	6.8	70.5	34.6	14.1	4.8	1.52
New entrants	466	463	9.1	1.3	79.3	18.6	11.9	4.5	1.25

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	
	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987
All industries	108,201	111,041	60,124	61,236	48,077	49,805
16 to 19 years	6,071	6,115	3,114	3,077	2,957	3,038
16 to 17 years	2,417	2,425	1,248	1,234	1,170	1,191
18 to 19 years	3,653	3,690	1,866	1,843	1,787	1,847
20 to 24 years	13,506	13,282	7,054	6,949	6,452	6,332
25 to 54 years	74,361	77,298	41,548	42,745	32,813	34,553
25 to 34 years	31,934	32,926	17,941	18,345	13,992	14,582
35 to 44 years	25,554	26,988	14,117	14,721	11,437	12,267
45 to 54 years	16,874	17,383	9,490	9,679	7,383	7,704
55 to 64 years	11,322	11,399	6,635	6,669	4,687	4,730
55 to 59 years	6,863	6,925	3,991	4,053	2,872	2,872
60 to 64 years	4,459	4,474	2,644	2,616	1,815	1,857
65 years and over	2,941	2,948	1,773	1,795	1,168	1,153
Agriculture	3,121	3,223	2,536	2,638	585	586
16 to 19 years	270	269	239	241	31	29
16 to 17 years	126	125	111	118	15	7
18 to 19 years	144	144	128	123	16	22
20 to 24 years	394	398	333	360	61	38
25 to 54 years	1,730	1,810	1,341	1,418	388	391
25 to 34 years	717	767	587	620	130	147
35 to 44 years	521	558	390	432	131	125
45 to 54 years	492	485	364	366	127	119
55 to 64 years	428	443	359	352	70	91
55 to 59 years	242	244	199	183	44	61
60 to 64 years	186	198	160	169	26	30
65 years and over	300	304	265	267	35	37
Nonagricultural industries	105,080	107,817	57,588	58,598	47,492	49,219
16 to 19 years	5,801	5,845	2,875	2,836	2,926	3,009
16 to 17 years	2,291	2,300	1,137	1,116	1,155	1,184
18 to 19 years	3,509	3,545	1,739	1,720	1,771	1,825
20 to 24 years	13,112	12,884	6,721	6,590	6,391	6,294
25 to 54 years	72,631	75,488	40,206	41,326	32,425	34,162
25 to 34 years	31,217	32,159	17,354	17,725	13,863	14,434
35 to 44 years	25,033	26,431	13,726	14,289	11,306	12,142
45 to 54 years	16,382	16,898	9,126	9,313	7,256	7,585
55 to 64 years	10,894	10,956	6,276	6,317	4,617	4,639
55 to 59 years	6,621	6,681	3,793	3,870	2,828	2,811
60 to 64 years	4,273	4,275	2,484	2,448	1,789	1,828
65 years and over	2,641	2,644	1,508	1,529	1,133	1,116

**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	
	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987
Total	108,201	111,041	60,124	61,236	57,010	58,159	48,077	49,805	45,120	46,767
Managerial and professional specialty	26,524	27,418	15,119	15,226	15,059	15,135	11,404	12,192	11,308	12,082
Executive, administrative, and managerial	12,488	12,981	8,002	8,093	7,971	8,045	4,486	4,888	4,447	4,842
Officials and administrators, public administration	496	542	335	336	335	336	161	206	161	206
Other executive, administrative, and managerial	8,512	8,928	5,755	5,936	5,731	5,892	2,757	2,992	2,733	2,964
Management-related occupations	3,480	3,511	1,912	1,820	1,906	1,817	1,568	1,691	1,554	1,672
Professional specialty	14,036	14,437	7,118	7,134	7,087	7,089	6,918	7,303	6,860	7,240
Engineers	1,681	1,679	1,582	1,563	1,582	1,563	99	116	98	116
Mathematical and computer scientists	673	713	424	446	422	445	249	267	249	265
Natural scientists	406	349	306	270	307	270	99	80	99	80
Health diagnosing occupations	715	798	627	675	627	675	88	123	88	123
Health assessment and treating occupations	1,990	2,213	314	288	314	288	1,676	1,925	1,675	1,923
Teachers, college and university	709	712	462	468	462	468	247	244	245	241
Teachers, except college and university	3,828	3,649	1,049	1,000	1,047	992	2,779	2,649	2,753	2,625
Lawyers and judges	651	714	521	562	521	562	130	153	129	150
Other professional specialty occupations	3,383	3,608	1,831	1,862	1,806	1,827	1,552	1,746	1,524	1,717
Technical, sales, and administrative support	33,883	34,498	11,889	12,117	11,327	11,562	21,994	22,381	20,362	20,754
Technicians and related support	3,269	3,186	1,713	1,654	1,689	1,637	1,556	1,532	1,535	1,526
Health technologists and technicians	1,099	1,054	185	168	182	166	913	886	909	886
Engineering and science technicians	1,174	1,089	925	858	917	850	249	231	242	230
Technicians, except health, engineering, and science	996	1,042	602	627	590	620	394	414	385	410
Sales occupations	12,975	13,164	6,727	6,969	6,405	6,618	6,249	6,196	5,351	5,240
Supervisors and proprietors	3,439	3,479	2,420	2,376	2,409	2,368	1,019	1,103	997	1,083
Sales representatives, finance and business services	2,199	2,238	1,266	1,353	1,256	1,339	932	885	898	851
Sales representatives, commodities, except retail	1,534	1,563	1,239	1,328	1,232	1,308	294	235	290	234
Sales workers, retail and personal services	5,733	5,839	1,776	1,898	1,486	1,589	3,957	3,941	3,129	3,040
Sales-related occupations	71	46	25	13	22	13	46	33	37	32
Administrative support, including clerical	17,639	18,148	3,449	3,495	3,232	3,307	14,190	14,653	13,475	13,988
Supervisors	651	685	271	294	270	292	380	392	379	390
Computer equipment operators	828	923	266	302	252	294	562	621	537	588
Secretaries, stenographers, and typists	4,787	5,063	78	78	65	71	4,709	4,985	4,469	4,784
Financial records processing	2,592	2,510	230	234	219	223	2,362	2,276	2,303	2,237
Mail and message distributing	898	955	586	632	564	601	312	323	296	313
Other administrative support, including clerical	7,883	8,012	2,018	1,955	1,863	1,826	5,865	6,057	5,491	5,676
Service occupations	14,639	15,082	5,744	5,898	4,850	5,018	8,895	9,185	7,869	8,103
Private household	1,009	960	50	31	33	24	959	929	775	756
Protective service	1,739	1,886	1,536	1,619	1,506	1,592	203	267	190	251
Service, except private household and protective	11,892	12,236	4,158	4,248	3,312	3,402	7,733	7,988	6,904	7,096
Food service	5,136	5,256	1,878	1,954	1,272	1,327	3,258	3,303	2,674	2,676
Health service	1,814	1,933	199	186	180	170	1,614	1,747	1,533	1,674
Cleaning and building service	2,845	2,847	1,689	1,690	1,507	1,536	1,156	1,157	1,092	1,091
Personal service	2,097	2,200	391	418	352	369	1,705	1,782	1,604	1,656
Precision production, craft, and repair	12,993	13,469	11,889	12,278	11,591	11,988	1,103	1,191	1,079	1,161
Mechanics and repairers	4,326	4,381	4,159	4,222	4,067	4,118	167	159	163	158
Construction trades	4,702	4,894	4,620	4,800	4,461	4,657	82	95	82	94
Other precision production, craft, and repair	3,964	4,193	3,110	3,256	3,063	3,214	854	937	833	908
Operators, fabricators, and laborers	16,765	17,076	12,589	12,716	11,604	11,755	4,176	4,359	4,029	4,206
Machine operators, assemblers, and inspectors	7,715	7,887	4,659	4,712	4,491	4,556	3,056	3,175	2,971	3,111
Manufacturing industries	6,523	6,614	3,886	3,921	3,760	3,825	2,637	2,693	2,584	2,650
Durable goods	3,605	3,636	2,493	2,498	2,408	2,449	1,112	1,138	1,091	1,126
Nondurable goods	2,918	2,978	1,393	1,423	1,352	1,375	1,525	1,556	1,493	1,524
Nonmanufacturing industries	1,193	1,273	774	791	731	731	419	482	387	461
Transportation and material moving occupations	4,488	4,638	4,061	4,221	3,938	4,078	427	417	414	409
Motor vehicle operators	3,284	3,440	2,896	3,058	2,802	2,934	388	383	375	375
Other transportation and material moving occupations	1,204	1,197	1,165	1,163	1,136	1,143	39	34	39	34
Handlers, equipment cleaners, helpers, and laborers	4,562	4,551	3,869	3,783	3,175	3,121	693	767	645	687
Construction laborers	651	714	634	693	589	639	18	21	18	21
Other handlers, equipment cleaners, helpers, and laborers	3,911	3,837	3,236	3,091	2,586	2,482	675	746	627	666
Farming, forestry, and fishing	3,397	3,498	2,893	3,001	2,581	2,701	504	497	474	462
Farm operators and managers	1,313	1,328	1,145	1,161	1,127	1,155	168	166	165	165
Other farming, forestry, and fishing occupations	2,084	2,171	1,748	1,839	1,454	1,547	335	331	309	297

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987
TOTAL						
Total, 16 years and over (thousands)	108,201	111,041	60,124	61,236	48,077	49,805
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	24.5	24.7	25.1	24.9	23.7	24.5
Executive, administrative, and managerial	11.5	11.7	13.3	13.2	9.3	9.8
Professional specialty	13.0	13.0	11.8	11.7	14.4	14.7
Technical, sales, and administrative support	31.3	31.1	19.8	19.8	45.7	44.9
Technicians and related support	3.0	2.9	2.8	2.7	3.2	3.1
Sales occupations	12.0	11.9	11.2	11.4	13.0	12.4
Administrative support, including clerical	16.3	16.3	5.7	5.7	29.5	29.4
Service occupations	13.5	13.6	9.6	9.6	18.5	18.4
Private household .....	.9	.9	.1	.1	2.0	1.9
Protective service	1.6	1.7	2.6	2.6	.4	.5
Service, except private household and protective	11.0	11.0	6.9	6.9	16.1	16.0
Precision production, craft, and repair	12.0	12.1	19.8	20.1	2.3	2.4
Operators, fabricators, and laborers	15.5	15.4	20.9	20.8	8.7	8.8
Machine operators, assemblers, and inspectors	7.1	7.1	7.7	7.7	6.4	6.4
Transportation and material moving occupations	4.1	4.2	6.8	6.9	.9	.8
Handlers, equipment cleaners, helpers, and laborers	4.2	4.1	6.4	6.2	1.4	1.5
Farming, forestry, and fishing	3.1	3.2	4.8	4.9	1.0	1.0
White						
Total, 16 years and over (thousands)	94,533	96,744	53,193	53,961	41,339	42,783
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	25.5	25.7	26.2	25.9	24.6	25.5
Executive, administrative, and managerial	12.2	12.3	14.0	13.9	9.8	10.3
Professional specialty	13.4	13.4	12.2	12.1	14.9	15.2
Technical, sales, and administrative support	31.9	31.6	20.2	20.1	46.9	46.0
Technicians and related support	3.0	2.9	2.9	2.8	3.2	3.1
Sales occupations	12.6	12.5	11.9	12.1	13.6	13.0
Administrative support, including clerical	16.2	16.2	5.4	5.2	30.1	29.9
Service occupations	12.4	12.3	8.6	8.6	17.2	17.1
Private household .....	.8	.7	.1	(¹)	1.7	1.6
Protective service	1.5	1.6	2.4	2.5	.4	.4
Service, except private household and protective	10.0	10.0	6.1	6.1	15.1	15.0
Precision production, craft, and repair	12.4	12.5	20.3	20.6	2.2	2.4
Operators, fabricators, and laborers	14.5	14.5	19.7	19.7	8.0	8.0
Machine operators, assemblers, and inspectors	6.7	6.6	7.4	7.3	5.7	5.7
Transportation and material moving occupations	4.1	4.0	6.5	6.6	.9	.8
Handlers, equipment cleaners, helpers, and laborers	3.8	3.8	5.7	5.8	1.3	1.4
Farming, forestry, and fishing	3.3	3.3	5.0	5.1	1.1	1.1
Black						
Total, 16 years and over (thousands)	10,737	11,024	5,364	5,532	5,373	5,492
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	14.8	14.6	13.0	12.6	16.6	16.5
Executive, administrative, and managerial	6.3	6.3	6.7	6.9	5.9	5.8
Professional specialty	8.5	8.2	6.3	5.7	10.8	10.8
Technical, sales, and administrative support	27.2	27.1	15.9	15.9	38.4	38.4
Technicians and related support	2.7	2.1	1.7	1.4	3.7	2.8
Sales occupations	6.9	6.6	5.2	4.5	8.7	8.7
Administrative support, including clerical	17.6	18.4	9.1	10.0	26.1	27.0
Service occupations	22.9	23.5	17.2	18.4	28.7	28.6
Private household	2.1	2.1	.1	.1	4.0	4.1
Protective service	2.4	2.9	4.2	4.6	.7	1.2
Service, except private household and protective	18.4	18.5	13.0	13.7	23.9	23.2
Precision production, craft, and repair	9.3	9.5	16.0	16.7	2.6	2.1
Operators, fabricators, and laborers	23.8	23.4	34.3	32.9	13.3	13.9
Machine operators, assemblers, and inspectors	10.5	10.8	11.0	11.2	10.1	10.4
Transportation and material moving occupations	5.4	6.2	9.7	11.1	1.2	1.3
Handlers, equipment cleaners, helpers, and laborers	7.8	6.4	13.6	10.6	2.0	2.3
Farming, forestry, and fishing	2.0	1.9	3.6	3.3	.4	.5

¹ Less than 0.05 percent.

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

(In thousands)

Age and sex	April 1987								
	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	99,495	1,223	16,748	81,524	8,052	270	1,610	1,452	162
16 to 19 years	5,769	233	329	5,207	69	8	206	27	37
16 to 17 years	2,278	170	98	2,010	19	3	91	15	19
18 to 19 years	3,491	63	231	3,197	50	4	114	12	18
20 to 24 years	12,570	124	1,202	11,244	296	17	325	67	6
25 to 34 years	30,087	192	4,393	25,501	2,023	49	474	254	39
35 to 44 years	24,072	206	5,105	18,761	2,288	72	246	290	21
45 to 54 years	15,203	162	3,378	11,663	1,621	74	178	287	19
55 to 64 years	9,710	188	1,966	7,556	1,218	28	121	288	33
55 to 59 years	5,953	117	1,224	4,612	711	17	67	152	26
60 to 64 years	3,757	71	742	2,944	507	11	54	137	7
65 years and over	2,084	117	375	1,591	538	23	59	238	6
Men, 16 years and over	53,185	158	7,945	45,083	5,372	41	1,327	1,248	62
16 to 19 years	2,786	48	139	2,598	44	6	183	26	32
16 to 17 years	1,099	40	46	1,012	15	2	88	15	15
18 to 19 years	1,687	8	93	1,586	29	4	94	12	17
20 to 24 years	6,389	16	538	5,835	191	9	292	63	5
25 to 34 years	16,372	20	2,025	14,326	1,348	5	385	219	16
35 to 44 years	12,840	24	2,431	10,385	1,448	2	191	238	4
45 to 54 years	8,185	11	1,611	6,563	1,119	8	128	237	-
55 to 64 years	5,466	25	1,002	4,439	851	-	97	252	3
55 to 59 years	3,374	13	639	2,722	496	-	50	130	3
60 to 64 years	2,092	12	363	1,717	355	-	47	121	-
65 years and over	1,148	14	197	937	371	10	51	213	3
Women, 16 years and over	46,310	1,065	8,803	36,442	2,681	229	282	204	100
16 to 19 years	2,983	185	189	2,609	25	1	23	-	5
16 to 17 years	1,179	130	51	998	4	1	3	-	4
18 to 19 years	1,804	55	138	1,611	21	1	20	-	1
20 to 24 years	6,181	107	664	5,410	105	8	33	4	1
25 to 34 years	13,715	172	2,368	11,175	675	44	89	35	23
35 to 44 years	11,232	182	2,673	8,376	840	70	56	52	17
45 to 54 years	7,018	151	1,766	5,100	502	65	50	50	19
55 to 64 years	4,245	164	963	3,118	367	28	24	37	30
55 to 59 years	2,579	104	584	1,891	215	17	17	21	23
60 to 64 years	1,666	59	379	1,227	152	11	7	15	7
65 years and over	936	103	179	655	167	12	8	25	4

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-25. Employed civilians by industry and occupation

(In thousands)

Industry	April 1987												
	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	3,223	68	59	29	35	67		5	27	6	54	23	2,850
Mining	776	118	53	24	14	104		3	263	17	151	30	1
Construction	7,054	857	135	49	62	413		27	4,138	86	494	778	16
Manufacturing	20,718	2,230	1,648	726	700	2,440		362	4,020	6,614	785	1,141	53
Durable goods	12,331	1,386	1,121	524	315	1,367		195	2,809	3,636	425	505	49
Nondurable goods	8,387	845	527	202	385	1,073		165	1,211	2,978	361	636	4
Transportation and public utilities	7,656	818	426	265	302	2,084		263	1,212	110	1,682	480	15
Wholesale and retail trade	23,153	1,847	383	96	9,451	2,440		4,379	1,634	306	924	1,648	45
Wholesale trade	4,512	475	63	37	1,748	833		39	360	137	475	322	22
Retail trade	18,641	1,372	320	59	7,703	1,607		4,340	1,273	169	449	1,326	23
Finance, insurance, and real estate	7,565	1,887	190	120	1,753	3,066	-	277	136	27	10	36	62
Services	35,759	4,083	10,900	1,692	823	6,064	960	7,519	1,784	675	494	358	407
Private households	1,231	5	10	7	-	16	960	107	3	-	7	8	109
Other service industries	34,528	4,078	10,890	1,686	823	6,047	-	7,412	1,781	675	487	349	298
Professional services	23,283	2,292	9,731	1,381	129	4,326		4,365	434	169	292	86	78
Public administration	5,135	1,072	642	184	23	1,470		1,290	256	46	44	60	49

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					
	Apr. 1986	Apr. 1987	Total		Wage and salary workers ¹			
			Apr. 1986	Apr. 1987	Paid absences		Unpaid absences	
					Apr. 1986	Apr. 1987	Apr. 1986	Apr. 1987
Total, 16 years and over	3,817	6,218	3,724	6,126	1,716	3,352	1,576	2,191
Vacation	1,497	3,787	1,485	3,750	1,009	2,593	337	907
Illness	1,229	1,252	1,210	1,225	478	535	659	586
Bad weather	71	96	51	86	(²)	(²)	(²)	(²)
Industrial dispute	25	8	25	8	(²)	(²)	(²)	(²)
All other reasons	994	1,075	952	1,057	229	224	580	697
Men, 16 years and over	1,896	2,822	1,827	2,759	908	1,592	681	836
Vacation	826	1,658	818	1,634	585	1,205	154	295
Illness	583	647	570	628	233	305	298	273
All other reasons ³	487	517	439	497	90	82	229	267
Women, 16 years and over	1,920	3,395	1,897	3,367	807	1,758	896	1,355
Vacation	671	2,129	667	2,116	424	1,388	183	613
Illness	646	605	640	597	245	230	361	312
All other reasons ³	603	662	589	654	138	141	352	430

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	April 1987					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	104,823	3,132	101,692	100.0	100.0	100.0
1 to 34 hours	31,762	966	30,795	30.3	30.9	30.3
1 to 4 hours	894	44	850	.9	1.4	.8
5 to 14 hours	4,782	256	4,525	4.6	8.2	4.4
15 to 29 hours	13,701	427	13,274	13.1	13.6	13.1
30 to 34 hours	12,385	239	12,146	11.8	7.6	11.9
35 hours and over	73,061	2,165	70,896	69.7	69.1	69.7
35 to 39 hours	7,258	161	7,097	6.9	5.1	7.0
40 hours	38,544	532	38,012	36.8	17.0	37.4
41 hours and over	27,259	1,472	25,787	26.0	47.0	25.4
41 to 48 hours	9,548	229	9,319	9.1	7.3	9.2
49 to 59 hours	9,938	437	9,501	9.5	14.0	9.3
60 hours and over	7,773	806	6,967	7.4	25.7	6.9
Average hours, total at work	38.2	44.0	38.0			
Average hours, workers on full-time schedules	42.6	52.2	42.3			

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	April 1987					
	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	31,762	13,370	18,391	30,795	13,057	17,738
Economic reasons	5,030	1,582	3,448	4,783	1,476	3,307
Slack work	2,269	1,306	963	2,092	1,204	888
Material shortages or repairs to plant and equipment	40	40	-	40	40	-
New job started during week	147	147	-	145	145	-
Job terminated during week	90	90	-	89	89	-
Could find only part-time work	2,485	-	2,485	2,420	-	2,420
Other reasons	26,731	11,788	14,943	26,010	11,579	14,431
Does not want, or unavailable for, full-time work	12,715	-	12,715	12,309	-	12,309
Vacation	2,190	2,190	-	2,169	2,169	-
Illness	1,229	1,107	122	1,207	1,090	117
Bad weather	490	490	-	381	381	-
Industrial dispute	5	5	-	5	5	-
Legal or religious holiday	6,649	6,649	-	6,620	6,620	-
Full time for this job	1,464	-	1,464	1,427	-	1,427
All other reasons	1,989	1,347	642	1,892	1,315	577
Average hours:						
Economic reasons	21.9	24.4	20.8	22.0	24.6	20.9
Other reasons	23.1	28.5	18.8	23.1	28.5	18.8
Worked 30 to 34 hours:						
Economic reasons	1,566	705	861	1,500	676	824
Other reasons	10,819	8,270	2,549	10,646	8,173	2,473

**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	April 1987								
	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	101,692	4,783	14,431	82,478	56,691	9,319	16,468	38.0	42.3
Wage and salary workers	93,903	4,226	13,040	76,637	53,982	8,789	13,866	37.8	41.8
Mining	695	33	13	649	388	98	163	43.1	44.6
Construction	5,429	404	222	4,803	3,523	464	816	38.8	41.1
Manufacturing	19,480	491	646	18,343	13,400	2,224	2,719	39.7	40.8
Durable goods	11,564	156	269	11,139	8,205	1,241	1,693	40.0	40.7
Nondurable goods	7,916	335	377	7,204	5,194	983	1,027	39.3	41.0
Transportation and public utilities	6,867	228	403	6,236	4,256	744	1,236	40.8	42.8
Wholesale and retail trade	20,398	1,314	4,989	14,095	8,788	2,081	3,226	36.3	43.4
Finance, insurance, and real estate	6,707	150	654	5,903	4,264	613	1,026	38.7	41.2
Service industries	29,443	1,551	5,848	22,044	15,837	2,166	4,041	35.9	41.7
Private households	1,180	196	548	436	277	47	112	25.5	45.7
All other industries	28,263	1,355	5,300	21,608	15,560	2,119	3,929	36.3	41.6
Public administration	4,883	55	265	4,563	3,526	399	638	40.1	41.5
Self-employed workers	7,518	545	1,268	5,705	2,635	515	2,555	40.7	48.1
Unpaid family workers	270	13	123	134	72	16	46	34.8	45.9

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	April 1987							
	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	101,692	4,783	14,431	82,478	56,691	25,787	38.0	42.3
16 to 19 years	5,585	393	3,651	1,541	1,269	272	23.2	39.8
16 to 17 years	2,178	74	1,937	167	136	31	17.0	40.0
18 to 19 years	3,407	319	1,714	1,374	1,132	242	27.1	39.8
20 years and over	96,106	4,390	10,779	80,937	55,422	25,515	38.9	42.3
20 to 24 years	12,422	830	2,227	9,365	6,836	2,529	36.1	41.3
25 years and over	83,685	3,560	8,552	71,573	48,588	22,985	39.3	42.5
25 to 44 years	55,357	2,391	4,844	48,122	32,215	15,907	39.7	42.5
45 to 64 years	25,917	1,056	2,585	22,276	15,535	6,741	39.2	42.3
65 years and over	2,411	115	1,123	1,173	839	334	29.1	41.7
Men, 16 years and over	55,839	2,154	4,410	49,275	30,699	18,576	40.8	43.6
16 to 19 years	2,726	182	1,711	833	649	184	24.5	40.8
16 to 17 years	1,060	36	921	103	79	24	18.1	40.6
18 to 19 years	1,666	146	791	729	569	160	28.6	40.8
20 years and over	53,114	1,972	2,699	48,443	30,052	18,391	41.6	43.7
20 to 24 years	6,393	363	926	5,104	3,448	1,656	37.9	42.4
25 years and over	46,721	1,609	1,773	43,339	26,604	16,735	42.1	43.8
25 to 44 years	30,638	1,145	683	28,810	17,301	11,509	42.7	44.0
45 to 64 years	14,678	416	515	13,747	8,768	4,979	42.2	43.6
65 years and over	1,405	47	576	782	535	247	30.8	41.8
Women, 16 years and over	45,852	2,629	10,020	33,203	25,992	7,211	34.6	40.2
16 to 19 years	2,860	211	1,940	709	621	88	21.9	38.6
16 to 17 years	1,118	38	1,017	63	57	6	16.0	(¹)
18 to 19 years	1,742	173	924	645	563	82	25.7	38.6
20 years and over	42,992	2,418	8,080	32,494	25,371	7,123	35.4	40.3
20 to 24 years	6,029	467	1,302	4,260	3,386	874	34.2	40.1
25 years and over	36,964	1,949	6,779	28,236	21,988	6,248	35.6	40.3
25 to 44 years	24,719	1,245	4,162	19,312	14,912	4,400	36.0	40.3
45 to 64 years	11,239	638	2,070	8,531	6,769	1,762	35.4	40.2
65 years and over	1,006	67	547	392	306	86	26.8	41.4
RACE								
White, 16 years and over	88,388	3,763	13,108	71,517	48,037	23,480	38.1	42.5
Men	49,058	1,710	3,920	43,428	26,351	17,077	41.1	43.9
Women	39,330	2,053	9,188	28,089	21,685	6,404	34.4	40.3
Black, 16 years and over	10,233	855	958	8,420	6,827	1,593	37.0	40.6
Men	5,149	376	345	4,428	3,394	1,034	38.7	41.6
Women	5,084	479	612	3,993	3,434	559	35.4	39.5
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	36,267	977	1,217	34,073	20,568	13,505	42.6	44.0
Widowed, divorced, or separated	5,610	285	255	5,070	3,161	1,909	41.6	43.8
Single (never married)	13,963	894	2,938	10,131	6,969	3,162	35.9	42.3
Women, 16 years and over:								
Married, spouse present	25,601	1,294	5,683	18,624	14,720	3,904	34.6	40.0
Widowed, divorced, or separated	8,774	581	1,094	7,099	5,403	1,696	37.0	40.8
Single (never married)	11,477	754	3,243	7,480	5,869	1,611	32.6	40.4

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Occupation and sex	April 1987								
	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	101,428	4,739	14,343	82,345	56,511	9,323	16,511	38.0	42.3
Managerial and professional specialty	25,387	432	2,305	22,651	13,711	2,452	6,487	41.0	43.7
Executive, administrative, and managerial	12,346	165	615	11,566	6,430	1,330	3,805	43.3	44.9
Professional specialty	13,042	266	1,690	11,085	7,281	1,122	2,682	38.9	42.4
Technical, sales, and administrative support	32,797	1,242	5,952	25,604	18,385	2,813	4,406	36.8	41.6
Technicians and related support	3,041	47	320	2,675	1,962	306	407	38.9	41.4
Sales occupations	12,614	640	2,635	9,340	5,161	1,228	2,951	38.4	44.9
Administrative support, including clerical	17,141	555	2,997	13,589	11,262	1,279	1,049	35.3	39.4
Service occupations	14,210	1,409	4,199	8,602	6,454	805	1,343	33.0	42.1
Private household	922	150	430	342	227	32	84	25.6	45.4
Protective service	1,766	54	166	1,546	958	235	353	41.6	44.6
Service, except private household and protective	11,522	1,205	3,604	6,714	5,269	539	906	32.3	41.4
Precision production, craft, and repair	12,834	598	448	11,788	8,139	1,462	2,186	40.3	42.1
Operators, fabricators, and laborers	16,199	1,059	1,438	13,702	9,822	1,790	2,089	38.3	41.5
Machine operators, assemblers, and inspectors	7,534	350	323	6,862	5,374	807	681	38.4	39.9
Transportation and material moving occupations	4,305	276	344	3,686	2,089	542	1,055	41.5	45.0
Handlers, equipment cleaners, helpers, and laborers	4,359	434	771	3,154	2,360	442	353	35.2	40.8
Men, 16 years and over ¹	55,495	2,103	4,301	49,091	30,502	6,062	12,527	40.9	43.7
Managerial and professional specialty	14,375	204	673	13,498	7,260	1,439	4,799	43.7	45.4
Executive, administrative, and managerial	7,730	107	231	7,393	3,652	861	2,880	45.2	46.3
Professional specialty	6,645	97	443	6,105	3,608	578	1,919	42.0	44.2
Technical, sales, and administrative support	11,685	261	1,141	10,283	5,908	1,386	2,990	41.5	44.5
Technicians and related support	1,607	16	110	1,482	1,025	167	290	40.3	42.1
Sales occupations	6,745	155	646	5,944	2,782	820	2,341	43.4	46.6
Administrative support, including clerical	3,333	91	386	2,857	2,100	398	358	38.0	41.2
Service occupations	5,606	381	1,157	4,068	2,875	428	765	36.7	43.2
Private household	26	4	8	13	9	2	3	(²)	(²)
Protective service	1,526	36	110	1,380	830	210	341	42.9	45.2
Service, except private household and protective	4,054	341	1,038	2,674	2,036	216	422	34.4	42.1
Precision production, craft, and repair	11,711	532	324	10,855	7,382	1,381	2,092	40.6	42.2
Operators, fabricators, and laborers	12,118	726	1,004	10,387	7,078	1,428	1,881	39.2	42.3
Machine operators, assemblers, and inspectors	4,512	143	145	4,224	3,157	536	530	39.5	40.8
Transportation and material moving occupations	3,956	232	220	3,505	1,967	511	1,026	42.5	45.3
Handlers, equipment cleaners, helpers, and laborers	3,650	351	640	2,659	1,953	381	324	35.3	41.0
Women, 16 years and over ¹	45,933	2,636	10,042	33,254	26,009	3,261	3,984	34.6	40.3
Managerial and professional specialty	11,012	228	1,632	9,152	6,451	1,013	1,688	37.6	41.3
Executive, administrative, and managerial	4,615	58	384	4,173	2,778	469	925	40.2	42.4
Professional specialty	6,396	169	1,248	4,980	3,673	544	763	35.6	40.3
Technical, sales, and administrative support	21,112	981	4,811	15,321	12,477	1,428	1,416	34.3	39.7
Technicians and related support	1,434	31	211	1,193	937	139	117	37.4	40.5
Sales occupations	5,870	486	1,988	3,396	2,379	408	609	32.6	41.9
Administrative support, including clerical	13,808	464	2,612	10,732	9,161	881	690	34.6	38.9
Service occupations	8,605	1,028	3,042	4,534	3,579	377	578	30.7	41.2
Private household	897	146	422	329	218	30	81	25.4	45.2
Protective service	240	18	55	166	129	25	12	33.4	40.1
Service, except private household and protective	7,468	864	2,565	4,039	3,232	323	484	31.2	40.9
Precision production, craft, and repair	1,122	66	124	932	757	81	94	36.8	40.1
Operators, fabricators, and laborers	4,082	333	434	3,314	2,745	362	208	35.7	38.9
Machine operators, assemblers, and inspectors	3,023	206	178	2,638	2,216	271	151	36.6	38.6
Transportation and material moving occupations	349	44	124	181	122	30	29	29.5	40.8
Handlers, equipment cleaners, helpers, and laborers	710	83	131	496	406	61	28	34.6	40.1

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	1986									1987			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
TOTAL													
Noninstitutional population ¹	181,843	181,998	182,183	182,354	182,525	182,713	182,935	183,114	183,297	183,575	183,738	183,915	184,079
Labor force ¹	118,987	119,274	119,685	119,789	119,821	119,988	120,163	120,426	120,336	120,782	121,089	120,958	121,070
Percent of population ²	65.4	65.5	65.7	65.7	65.6	65.7	65.7	65.8	65.7	65.8	65.9	65.8	65.8
Total employed ¹	110,664	110,852	111,293	111,559	111,764	111,703	111,941	112,183	112,387	112,759	113,122	113,104	113,570
Employment-population ratio ³	60.9	60.9	61.1	61.2	61.2	61.1	61.2	61.3	61.3	61.4	61.6	61.5	61.7
Resident Armed Forces	1,695	1,687	1,680	1,672	1,697	1,716	1,749	1,751	1,750	1,748	1,740	1,736	1,735
Civilian employed	108,969	109,165	109,613	109,887	110,067	109,987	110,192	110,432	110,637	111,011	111,382	111,368	111,835
Agriculture	3,199	3,151	3,164	3,124	3,057	3,142	3,162	3,215	3,161	3,145	3,236	3,284	3,290
Nonagricultural industries	105,770	106,014	106,449	106,763	107,010	106,845	107,030	107,217	107,476	107,866	108,146	108,084	108,545
Unemployed	8,323	8,422	8,392	8,230	8,057	8,285	8,222	8,243	7,949	8,023	7,967	7,854	7,500
Unemployment rate ⁴	7.0	7.1	7.0	6.9	6.7	6.9	6.8	6.8	6.6	6.6	6.6	6.5	6.2
Not in labor force	62,856	62,724	62,498	62,565	62,704	62,725	62,772	62,688	62,961	62,793	62,649	62,957	63,009
Men													
Noninstitutional population ¹	87,120	87,195	87,288	87,373	87,460	87,556	87,682	87,773	87,868	88,020	88,099	88,186	88,271
Labor force ¹	66,770	66,854	66,937	66,968	66,911	67,128	67,130	67,407	67,425	67,672	67,764	67,644	67,603
Percent of population ²	76.6	76.7	76.7	76.6	76.5	76.7	76.6	76.8	76.7	76.9	76.9	76.7	76.6
Total employed ¹	62,253	62,201	62,318	62,402	62,483	62,528	62,565	62,833	62,986	63,187	63,335	63,282	63,417
Employment-population ratio ³	71.5	71.3	71.4	71.4	71.4	71.4	71.4	71.6	71.7	71.8	71.9	71.8	71.8
Resident Armed Forces	1,541	1,533	1,525	1,518	1,541	1,560	1,590	1,592	1,593	1,591	1,584	1,575	1,575
Civilian employed	60,712	60,668	60,793	60,884	60,942	60,968	60,975	61,241	61,393	61,596	61,751	61,707	61,842
Unemployed	4,517	4,653	4,619	4,566	4,428	4,600	4,565	4,574	4,439	4,484	4,429	4,362	4,186
Unemployment rate ⁴	6.8	7.0	6.9	6.8	6.6	6.9	6.8	6.8	6.6	6.6	6.5	6.4	6.2
Not in labor force	20,350	20,341	20,351	20,405	20,549	20,428	20,552	20,366	20,443	20,348	20,335	20,542	20,668
Women													
Noninstitutional population ¹	94,723	94,803	94,895	94,981	95,065	95,156	95,253	95,341	95,429	95,556	95,639	95,729	95,808
Labor force ¹	52,217	52,420	52,748	52,821	52,910	52,860	53,033	53,019	52,911	53,110	53,325	53,314	53,467
Percent of population ²	55.1	55.3	55.6	55.6	55.7	55.6	55.7	55.6	55.4	55.6	55.8	55.7	55.8
Total employed ¹	48,411	48,651	48,975	49,157	49,281	49,175	49,376	49,350	49,401	49,572	49,787	49,822	50,153
Employment-population ratio ³	51.1	51.3	51.6	51.8	51.8	51.7	51.8	51.8	51.8	51.9	52.1	52.0	52.3
Resident Armed Forces	154	154	155	154	156	156	159	159	157	157	156	161	160
Civilian employed	48,257	48,497	48,820	49,003	49,125	49,019	49,217	49,191	49,244	49,415	49,631	49,661	49,993
Unemployed	3,806	3,769	3,773	3,664	3,629	3,685	3,657	3,669	3,510	3,538	3,538	3,492	3,314
Unemployment rate ⁴	7.3	7.2	7.2	6.9	6.9	7.0	6.9	6.9	6.6	6.7	6.6	6.6	6.2
Not in labor force	42,506	42,383	42,147	42,160	42,155	42,296	42,220	42,322	42,518	42,446	42,314	42,415	42,341

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	1986									1987			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
TOTAL													
Civilian noninstitutional population ¹	180,148	180,311	180,503	180,682	180,828	180,997	181,186	181,363	181,547	181,827	181,998	182,179	182,344
Civilian labor force	117,292	117,587	118,005	118,117	118,124	118,272	118,414	118,675	118,586	119,034	119,349	119,222	119,335
Percent of population	65.1	65.2	65.4	65.4	65.3	65.3	65.4	65.4	65.3	65.5	65.6	65.4	65.4
Employed	108,969	109,165	109,613	109,887	110,067	109,987	110,192	110,432	110,637	111,011	111,382	111,368	111,835
Employment-population ratio ²	60.5	60.5	60.7	60.8	60.9	60.8	60.8	60.9	60.9	61.1	61.2	61.1	61.3
Unemployed	8,323	8,422	8,392	8,230	8,057	8,285	8,222	8,243	7,949	8,023	7,967	7,854	7,500
Unemployment rate	7.1	7.2	7.1	7.0	6.8	7.0	6.9	6.9	6.7	6.7	6.7	6.6	6.3
Men, 20 years and over													
Civilian noninstitutional population ¹	78,309	78,387	78,484	78,586	78,634	78,722	78,802	78,874	78,973	79,132	79,216	79,303	79,387
Civilian labor force	61,080	61,158	61,330	61,355	61,219	61,412	61,409	61,703	61,826	61,948	61,973	61,983	61,976
Percent of population	78.0	78.0	78.1	78.1	77.9	78.0	77.9	78.2	78.3	78.3	78.2	78.2	78.1
Employed	57,392	57,338	57,522	57,544	57,585	57,607	57,595	57,883	58,101	58,227	58,325	58,410	58,567
Employment-population ratio ²	73.3	73.1	73.3	73.2	73.2	73.2	73.1	73.4	73.6	73.6	73.6	73.7	73.8
Agriculture	2,319	2,279	2,309	2,275	2,185	2,286	2,297	2,303	2,289	2,254	2,300	2,411	2,411
Nonagricultural industries	55,073	55,059	55,213	55,269	55,400	55,321	55,298	55,580	55,812	55,974	56,024	55,999	56,155
Unemployed	3,688	3,820	3,808	3,811	3,634	3,805	3,814	3,820	3,725	3,720	3,648	3,573	3,409
Unemployment rate	6.0	6.2	6.2	6.2	5.9	6.2	6.2	6.2	6.0	6.0	5.9	5.8	5.5
Not in labor force	17,229	17,229	17,154	17,231	17,415	17,310	17,393	17,171	17,147	17,184	17,243	17,320	17,411
Women, 20 years and over													
Civilian noninstitutional population ¹	87,355	87,444	87,547	87,629	87,689	87,779	87,856	87,933	88,016	88,150	88,237	88,321	88,395
Civilian labor force	48,181	48,433	48,739	48,879	48,950	48,920	49,014	49,043	48,923	49,161	49,348	49,355	49,466
Percent of population	55.2	55.4	55.7	55.8	55.8	55.7	55.8	55.8	55.6	55.8	55.9	55.9	56.0
Employed	45,094	45,335	45,657	45,869	45,956	45,905	46,020	46,067	46,058	46,261	46,475	46,498	46,751
Employment-population ratio ²	51.6	51.8	52.2	52.3	52.4	52.3	52.4	52.4	52.3	52.5	52.7	52.6	52.9
Agriculture	585	604	583	607	622	614	612	675	621	628	641	589	587
Nonagricultural industries	44,509	44,731	45,074	45,262	45,334	45,291	45,408	45,392	45,437	45,633	45,835	45,909	46,164
Unemployed	3,087	3,098	3,082	3,010	2,994	3,015	2,994	2,976	2,865	2,900	2,873	2,857	2,715
Unemployment rate	6.4	6.4	6.3	6.2	6.1	6.2	6.1	6.1	5.9	5.9	5.8	5.8	5.5
Not in labor force	39,174	39,011	38,808	38,750	38,739	38,859	38,842	38,890	39,093	38,989	38,889	38,966	38,929
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	14,484	14,480	14,472	14,467	14,505	14,496	14,527	14,557	14,558	14,545	14,546	14,555	14,562
Civilian labor force	8,031	7,996	7,936	7,883	7,955	7,940	7,991	7,929	7,837	7,926	8,028	7,884	7,894
Percent of population	55.4	55.2	54.8	54.5	54.8	54.8	55.0	54.5	53.8	54.5	55.2	54.2	54.2
Employed	6,483	6,492	6,434	6,474	6,526	6,475	6,577	6,482	6,478	6,524	6,582	6,460	6,518
Employment-population ratio ²	44.8	44.8	44.5	44.8	45.0	44.7	45.3	44.5	44.5	44.9	45.2	44.4	44.8
Agriculture	295	268	272	242	250	242	253	237	251	264	295	284	292
Nonagricultural industries	6,188	6,224	6,162	6,232	6,276	6,233	6,324	6,245	6,227	6,260	6,287	6,176	6,226
Unemployed	1,548	1,504	1,502	1,409	1,429	1,465	1,414	1,447	1,359	1,402	1,446	1,424	1,376
Unemployment rate	19.3	18.8	18.9	17.9	18.0	18.5	17.7	18.2	17.3	17.7	18.0	18.1	17.4
Not in labor force	6,453	6,484	6,536	6,584	6,550	6,556	6,536	6,628	6,721	6,619	6,518	6,671	6,668

¹ The population figures are not adjusted for seasonal variation.

population.

² Civilian employment as a percent of the civilian noninstitutional

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1986									1987			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
WHITE													
Civilian noninstitutional population ¹	155,122	155,236	155,376	155,502	155,604	155,723	155,856	155,979	156,111	156,313	156,431	156,561	156,676
Civilian labor force	101,237	101,531	101,946	102,015	102,122	102,158	102,297	102,455	102,503	102,746	102,893	102,797	102,894
Percent of population	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.8	65.7	65.7
Employed	95,095	95,283	95,720	95,861	96,177	96,000	96,147	96,281	96,533	96,717	96,995	96,998	97,340
Employment-population ratio ²	61.3	61.4	61.6	61.6	61.8	61.6	61.7	61.7	61.8	61.9	62.0	62.0	62.1
Unemployed	6,142	6,248	6,226	6,154	5,945	6,158	6,150	6,174	5,970	6,029	5,898	5,799	5,554
Unemployment rate	6.1	6.2	6.1	6.0	5.8	6.0	6.0	6.0	5.8	5.9	5.7	5.6	5.4
Men, 20 years and over													
Civilian labor force	53,444	53,532	53,651	53,639	53,583	53,727	53,757	54,015	54,172	54,182	54,175	54,107	54,051
Percent of population	78.3	78.4	78.5	78.4	78.2	78.4	78.3	78.7	78.8	78.7	78.6	78.4	78.3
Employed	50,663	50,628	50,762	50,731	50,877	50,845	50,845	51,089	51,286	51,297	51,362	51,364	51,462
Employment-population ratio ²	74.2	74.1	74.2	74.1	74.3	74.2	74.1	74.4	74.6	74.5	74.5	74.5	74.6
Unemployed	2,781	2,904	2,889	2,908	2,706	2,882	2,912	2,926	2,886	2,885	2,813	2,743	2,589
Unemployment rate	5.2	5.4	5.4	5.4	5.1	5.4	5.4	5.4	5.3	5.3	5.2	5.1	4.8
Women, 20 years and over													
Civilian labor force	40,890	41,103	41,424	41,584	41,640	41,547	41,598	41,540	41,514	41,680	41,762	41,828	41,982
Percent of population	54.5	54.8	55.1	55.3	55.4	55.2	55.2	55.1	55.0	55.2	55.2	55.3	55.5
Employed	38,651	38,854	39,179	39,368	39,466	39,365	39,431	39,399	39,456	39,568	39,735	39,839	40,041
Employment-population ratio ²	51.5	51.8	52.2	52.4	52.5	52.3	52.3	52.3	52.3	52.4	52.6	52.7	52.9
Unemployed	2,239	2,249	2,245	2,216	2,174	2,182	2,167	2,141	2,058	2,111	2,028	1,989	1,941
Unemployment rate	5.5	5.5	5.4	5.3	5.2	5.3	5.2	5.2	5.0	5.1	4.9	4.8	4.6
Both sexes, 16 to 19 years													
Civilian labor force	6,903	6,896	6,871	6,792	6,899	6,884	6,942	6,900	6,817	6,885	6,955	6,862	6,861
Percent of population	58.1	58.1	57.9	57.2	58.1	57.9	58.4	58.0	57.3	57.8	58.4	57.5	57.4
Employed	5,781	5,801	5,779	5,762	5,834	5,790	5,871	5,793	5,791	5,852	5,898	5,795	5,837
Employment-population ratio ²	48.7	48.8	48.7	48.5	49.1	48.7	49.4	48.7	48.7	49.2	49.5	48.5	48.9
Unemployed	1,122	1,095	1,092	1,030	1,065	1,094	1,071	1,107	1,026	1,033	1,057	1,067	1,024
Unemployment rate	16.3	15.9	15.9	15.2	15.4	15.9	15.4	16.0	15.1	15.0	15.2	15.5	14.9
Men	17.1	17.0	17.1	15.6	16.6	16.6	15.7	16.3	15.5	16.1	16.0	17.1	16.7
Women	15.4	14.7	14.6	14.7	14.2	15.1	15.2	15.7	14.6	13.8	14.3	13.9	13.1
BLACK													
Civilian noninstitutional population ¹	19,916	19,943	19,974	20,002	20,028	20,056	20,089	20,120	20,152	20,187	20,218	20,249	20,279
Civilian labor force	12,687	12,721	12,712	12,611	12,553	12,652	12,720	12,719	12,707	12,831	12,957	12,844	12,743
Percent of population	63.7	63.8	63.6	63.0	62.7	63.1	63.3	63.2	63.1	63.6	64.1	63.4	62.8
Employed	10,809	10,839	10,818	10,822	10,716	10,799	10,895	10,910	10,968	10,997	11,101	11,053	11,090
Employment-population ratio ²	54.3	54.3	54.2	54.1	53.5	53.8	54.2	54.2	54.4	54.5	54.9	54.6	54.7
Unemployed	1,878	1,882	1,894	1,789	1,837	1,853	1,825	1,809	1,739	1,833	1,855	1,791	1,653
Unemployment rate	14.8	14.8	14.9	14.2	14.6	14.6	14.3	14.2	13.7	14.3	14.3	13.9	13.0
Men, 20 years and over													
Civilian labor force	5,904	5,924	5,948	5,939	5,885	5,906	5,932	5,934	5,947	5,986	6,012	5,997	5,980
Percent of population	75.0	75.1	75.3	75.0	74.2	74.4	74.6	74.5	74.5	74.9	75.1	74.8	74.4
Employed	5,149	5,161	5,157	5,170	5,110	5,116	5,153	5,171	5,244	5,256	5,288	5,305	5,328
Employment-population ratio ²	65.4	65.4	65.3	65.3	64.5	64.5	64.8	65.0	65.7	65.7	66.0	66.1	66.3
Unemployed	755	763	791	769	775	790	779	763	703	730	724	692	652
Unemployment rate	12.8	12.9	13.3	12.9	13.2	13.4	13.1	12.9	11.8	12.2	12.0	11.5	10.9
Women, 20 years and over													
Civilian labor force	5,853	5,876	5,848	5,848	5,841	5,872	5,909	5,943	5,907	5,984	6,030	5,987	5,918
Percent of population	59.1	59.2	58.8	58.8	58.6	58.8	59.1	59.3	58.9	59.6	59.9	59.4	58.7
Employed	5,120	5,130	5,107	5,141	5,112	5,145	5,178	5,200	5,182	5,221	5,255	5,211	5,238
Employment-population ratio ²	51.7	51.7	51.4	51.6	51.3	51.5	51.8	51.9	51.7	52.0	52.2	51.7	51.9
Unemployed	733	746	741	707	729	727	731	743	725	763	775	776	680
Unemployment rate	12.5	12.7	12.7	12.1	12.5	12.4	12.4	12.5	12.3	12.8	12.9	13.0	11.5

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	1986									1987			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	930	921	916	824	827	874	879	842	853	860	915	861	845
Percent of population	43.5	43.2	42.9	38.7	38.8	40.9	41.1	39.3	39.8	40.1	42.6	40.0	39.2
Employed	540	548	554	511	494	538	564	539	542	520	559	537	524
Employment-population ratio ²	25.3	25.7	26.0	24.0	23.1	25.2	26.3	25.1	25.3	24.2	26.0	24.9	24.3
Unemployed	390	373	362	313	333	336	315	303	311	340	356	324	321
Unemployment rate	41.9	40.5	39.5	38.0	40.3	38.4	35.8	36.0	36.5	39.5	38.9	37.6	38.0
Men	41.2	40.5	39.7	40.5	38.8	38.6	37.8	35.0	36.1	36.5	38.3	36.5	39.3
Women	42.7	40.5	39.4	35.0	41.9	38.3	33.8	37.0	36.9	43.2	39.5	38.8	36.5
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	12,255	12,290	12,326	12,362	12,397	12,432	12,469	12,505	12,540	12,653	12,692	12,732	12,770
Civilian labor force	7,969	8,006	8,085	8,121	8,130	8,179	8,200	8,226	8,320	8,431	8,457	8,392	8,484
Percent of population	65.0	65.1	65.6	65.7	65.6	65.8	65.8	65.8	66.3	66.6	66.6	65.9	66.4
Employed	7,129	7,136	7,224	7,269	7,248	7,286	7,345	7,437	7,446	7,538	7,644	7,639	7,701
Employment-population ratio ²	58.2	58.1	58.6	58.8	58.5	58.6	59.5	59.4	59.4	60.2	60.2	60.0	60.3
Unemployed	840	870	861	852	882	893	855	789	874	893	813	753	783
Unemployment rate	10.5	10.9	10.6	10.5	10.8	10.9	10.4	9.6	10.5	10.6	9.6	9.0	9.2

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	1986									1987			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
CHARACTERISTIC													
Total	108,969	109,165	109,613	109,887	110,067	109,987	110,192	110,432	110,637	111,011	111,382	111,368	111,835
Married men, spouse present	39,504	39,582	39,613	39,634	39,735	39,691	39,780	39,952	40,093	40,102	39,913	40,100	39,967
Married women, spouse present	26,889	27,016	27,354	27,474	27,388	27,249	27,323	27,333	27,400	27,525	27,817	27,965	28,213
Women who maintain families	5,799	5,734	5,719	5,812	5,832	5,926	6,016	6,041	6,005	5,985	5,906	5,933	5,972
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,539	1,489	1,508	1,504	1,509	1,521	1,562	1,582	1,621	1,650	1,647	1,739	1,589
Self-employed workers	1,467	1,472	1,492	1,434	1,387	1,460	1,451	1,425	1,400	1,370	1,454	1,418	1,505
Unpaid family workers	173	177	163	171	174	159	164	198	152	136	126	150	175
Nonagricultural industries:													
Wage and salary workers	97,858	98,047	98,314	98,312	98,586	98,692	98,846	98,869	99,164	99,550	99,748	99,834	100,112
Government	16,231	16,333	16,377	16,582	16,446	16,333	16,264	16,457	16,443	16,412	16,532	16,568	16,484
Private industries	81,627	81,714	81,937	81,730	82,140	82,359	82,582	82,412	82,721	83,138	83,216	83,265	83,628
Private households	1,309	1,261	1,267	1,241	1,247	1,229	1,216	1,183	1,189	1,269	1,204	1,227	1,266
Other industries	80,318	80,453	80,670	80,489	80,893	81,130	81,366	81,229	81,532	81,869	82,012	82,038	82,362
Self-employed workers	7,634	7,793	7,832	8,019	7,956	7,939	7,993	8,179	8,056	8,192	8,187	8,050	8,117
Unpaid family workers	251	235	236	258	271	275	265	252	239	246	255	273	268
PERSONS AT WORK PART TIME¹													
All industries:													
Part time for economic reasons	5,853	5,825	5,538	5,442	5,471	5,544	5,740	5,563	5,596	5,505	5,780	5,456	5,391
Slack work	2,534	2,605	2,437	2,473	2,417	2,472	2,481	2,510	2,444	2,473	2,535	2,440	2,322
Could only find part-time work	2,922	2,843	2,813	2,661	2,741	2,772	2,826	2,714	2,867	2,695	2,828	2,698	2,746
Voluntary part time	13,900	13,853	14,142	13,967	13,981	13,922	14,178	14,021	13,877	14,170	14,061	14,167	13,862
Nonagricultural industries:													
Part time for economic reasons	5,567	5,569	5,322	5,222	5,269	5,303	5,450	5,319	5,342	5,201	5,459	5,164	5,110
Slack work	2,382	2,485	2,307	2,317	2,283	2,314	2,314	2,366	2,286	2,281	2,340	2,218	2,137
Could only find part-time work	2,806	2,749	2,727	2,609	2,678	2,710	2,739	2,626	2,765	2,599	2,742	2,595	2,662
Voluntary part time	13,528	13,412	13,613	13,578	13,606	13,520	13,736	13,567	13,455	13,750	13,597	13,682	13,399

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	1986									1987			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Total, 16 years and over	108,969	109,165	109,613	109,887	110,067	109,987	110,192	110,432	110,637	111,011	111,382	111,368	111,835
16 to 24 years	20,298	20,211	20,250	20,268	20,281	20,163	20,263	20,201	20,093	20,237	20,293	20,113	20,111
16 to 19 years	6,483	6,492	6,434	6,474	6,526	6,475	6,577	6,482	6,478	6,524	6,582	6,460	6,518
16 to 17 years	2,619	2,612	2,611	2,605	2,593	2,670	2,714	2,648	2,717	2,713	2,727	2,688	2,619
18 to 19 years	3,842	3,873	3,821	3,830	3,903	3,804	3,877	3,843	3,771	3,816	3,844	3,809	3,876
20 to 24 years	13,815	13,719	13,816	13,794	13,755	13,688	13,686	13,719	13,615	13,713	13,711	13,652	13,593
25 years and over	88,650	88,916	89,387	89,730	89,792	89,796	89,899	90,221	90,524	90,725	91,104	91,290	91,660
25 to 54 years	74,398	74,464	74,894	75,207	75,405	75,582	75,714	75,889	76,247	76,281	76,680	76,844	77,338
55 years and over	14,266	14,352	14,501	14,447	14,445	14,269	14,223	14,341	14,349	14,450	14,363	14,426	14,345
Men, 16 years and over	60,712	60,668	60,793	60,884	60,942	60,968	60,975	61,241	61,393	61,596	61,751	61,707	61,842
16 to 24 years	10,576	10,496	10,509	10,590	10,567	10,528	10,587	10,546	10,449	10,526	10,608	10,452	10,427
16 to 19 years	3,320	3,330	3,271	3,340	3,357	3,361	3,380	3,358	3,292	3,369	3,426	3,297	3,275
16 to 17 years	1,356	1,367	1,350	1,357	1,325	1,399	1,391	1,353	1,373	1,395	1,425	1,355	1,336
18 to 19 years	1,960	1,960	1,923	1,970	2,005	1,965	2,003	2,009	1,933	1,974	2,000	1,945	1,936
20 to 24 years	7,256	7,166	7,238	7,250	7,210	7,167	7,207	7,188	7,157	7,156	7,182	7,155	7,152
25 years and over	50,142	50,152	50,267	50,321	50,393	50,419	50,348	50,705	50,943	51,053	51,207	51,278	51,396
25 to 54 years	41,720	41,637	41,853	41,884	42,050	42,124	42,049	42,278	42,485	42,569	42,702	42,729	42,925
55 years and over	8,426	8,462	8,441	8,402	8,357	8,323	8,329	8,428	8,507	8,458	8,470	8,546	8,476
Women, 16 years and over	48,257	48,497	48,820	49,003	49,125	49,019	49,217	49,191	49,244	49,415	49,631	49,661	49,993
16 to 24 years	9,722	9,715	9,741	9,678	9,714	9,635	9,676	9,655	9,644	9,711	9,685	9,661	9,683
16 to 19 years	3,163	3,162	3,163	3,134	3,169	3,114	3,197	3,124	3,186	3,154	3,155	3,163	3,242
16 to 17 years	1,263	1,245	1,261	1,248	1,268	1,271	1,323	1,295	1,344	1,318	1,302	1,333	1,283
18 to 19 years	1,882	1,913	1,898	1,860	1,898	1,839	1,874	1,834	1,838	1,842	1,844	1,864	1,940
20 to 24 years	6,559	6,553	6,578	6,544	6,545	6,521	6,479	6,531	6,458	6,557	6,529	6,498	6,441
25 years and over	38,508	38,764	39,120	39,409	39,399	39,377	39,551	39,516	39,581	39,672	39,897	40,012	40,264
25 to 54 years	32,678	32,827	33,041	33,323	33,355	33,458	33,665	33,611	33,762	33,712	33,978	34,116	34,412
55 years and over	5,840	5,890	6,060	6,045	6,088	5,946	5,894	5,913	5,842	5,992	5,893	5,879	5,869

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

(In thousands)

Sex and age	1986									1987			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Total, 16 years and over	8,323	8,422	8,392	8,230	8,057	8,285	8,222	8,243	7,949	8,023	7,967	7,854	7,500
16 to 24 years	3,218	3,242	3,157	3,071	3,001	3,173	3,022	3,005	2,986	3,045	3,049	2,969	2,901
16 to 19 years	1,548	1,504	1,502	1,409	1,429	1,465	1,414	1,447	1,359	1,402	1,446	1,424	1,376
16 to 17 years	686	686	681	642	641	668	647	686	629	683	693	670	623
18 to 19 years	868	816	813	740	787	790	766	768	737	735	765	753	756
20 to 24 years	1,670	1,738	1,655	1,662	1,572	1,708	1,608	1,558	1,627	1,643	1,603	1,545	1,525
25 years and over	5,097	5,161	5,212	5,148	5,087	5,130	5,197	5,230	4,961	5,024	4,912	4,872	4,588
25 to 54 years	4,521	4,634	4,677	4,584	4,525	4,523	4,597	4,630	4,422	4,552	4,459	4,363	4,079
55 years and over	576	556	569	574	561	587	603	571	527	477	452	509	512
Men, 16 years and over	4,517	4,653	4,619	4,566	4,428	4,600	4,565	4,574	4,439	4,484	4,429	4,362	4,186
16 to 24 years	1,757	1,778	1,699	1,660	1,625	1,761	1,615	1,635	1,623	1,626	1,673	1,589	1,583
16 to 19 years	829	833	811	755	794	795	751	754	714	764	781	789	777
16 to 17 years	363	369	337	345	350	373	344	366	325	380	383	344	366
18 to 19 years	467	464	463	395	441	416	409	388	395	401	410	444	411
20 to 24 years	928	945	888	905	831	966	864	881	909	862	892	800	806
25 years and over	2,758	2,855	2,885	2,896	2,835	2,857	2,945	2,931	2,809	2,901	2,760	2,758	2,597
25 to 54 years	2,420	2,536	2,551	2,548	2,471	2,472	2,558	2,568	2,462	2,578	2,461	2,435	2,276
55 years and over	348	344	363	350	356	364	385	361	351	310	293	316	330
Women, 16 years and over	3,806	3,769	3,773	3,664	3,629	3,685	3,657	3,669	3,510	3,538	3,538	3,492	3,314
16 to 24 years	1,461	1,464	1,458	1,411	1,376	1,412	1,407	1,370	1,363	1,419	1,375	1,380	1,319
16 to 19 years	719	671	691	654	635	670	663	693	645	638	665	635	599
16 to 17 years	323	317	344	297	291	295	303	320	304	303	310	326	257
18 to 19 years	401	352	350	345	346	374	357	380	342	334	355	309	345
20 to 24 years	742	793	767	757	741	742	744	677	718	781	710	745	720
25 years and over	2,339	2,306	2,327	2,252	2,252	2,273	2,252	2,299	2,152	2,124	2,152	2,113	1,991
25 to 54 years	2,101	2,098	2,126	2,036	2,054	2,051	2,039	2,062	1,960	1,974	1,998	1,928	1,803
55 years and over	228	212	206	224	205	223	218	210	176	167	158	193	183

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Civilian workers)

Sex and age	1986									1987			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Total, 16 years and over	7.1	7.2	7.1	7.0	6.8	7.0	6.9	6.9	6.7	6.7	6.7	6.6	6.3
16 to 24 years	13.7	13.8	13.5	13.2	12.9	13.6	13.0	12.9	12.9	13.1	13.1	12.9	12.6
16 to 19 years	19.3	18.8	18.9	17.9	18.0	18.5	17.7	18.2	17.3	17.7	18.0	18.1	17.4
16 to 17 years	20.8	20.8	20.7	19.8	19.8	20.0	19.3	20.6	18.8	20.1	20.3	20.0	19.2
18 to 19 years	18.4	17.4	17.5	16.2	16.8	17.2	16.5	16.7	16.3	16.2	16.6	16.5	16.3
20 to 24 years	10.8	11.2	10.7	10.8	10.3	11.1	10.5	10.2	10.7	10.7	10.5	10.2	10.1
25 years and over	5.4	5.5	5.5	5.4	5.4	5.4	5.5	5.5	5.2	5.2	5.1	5.1	4.8
25 to 54 years	5.7	5.9	5.9	5.7	5.7	5.6	5.7	5.8	5.5	5.6	5.5	5.4	5.0
55 years and over	3.9	3.7	3.8	3.8	3.7	4.0	4.1	3.8	3.5	3.2	3.0	3.4	3.4
Men, 16 years and over	6.9	7.1	7.1	7.0	6.8	7.0	7.0	6.9	6.7	6.8	6.7	6.6	6.3
16 to 24 years	14.2	14.5	13.9	13.6	13.3	14.3	13.2	13.4	13.4	13.4	13.6	13.2	13.2
16 to 19 years	20.0	20.0	19.9	18.4	19.1	19.1	18.2	18.3	17.8	18.5	18.6	19.3	19.2
16 to 17 years	21.1	21.3	20.0	20.3	20.9	21.0	19.8	21.3	19.1	21.4	21.2	20.2	21.5
18 to 19 years	19.2	19.1	19.4	16.7	18.0	17.5	17.0	16.2	17.0	16.9	17.0	18.6	17.5
20 to 24 years	11.3	11.7	10.9	11.1	10.3	11.9	10.7	10.9	11.3	10.7	11.1	10.1	10.1
25 years and over	5.2	5.4	5.4	5.4	5.3	5.4	5.5	5.5	5.2	5.4	5.1	5.1	4.8
25 to 54 years	5.5	5.7	5.7	5.7	5.6	5.5	5.7	5.7	5.5	5.7	5.4	5.4	5.0
55 years and over	4.0	3.9	4.1	4.0	4.1	4.2	4.4	4.1	4.0	3.5	3.3	3.6	3.7
Women, 16 years and over	7.3	7.2	7.2	7.0	6.9	7.0	6.9	6.9	6.7	6.7	6.7	6.6	6.2
16 to 24 years	13.1	13.1	13.0	12.7	12.4	12.8	12.7	12.4	12.4	12.7	12.4	12.5	12.0
16 to 19 years	18.5	17.5	17.9	17.3	16.7	17.7	17.2	18.2	16.8	16.8	17.4	16.7	15.6
16 to 17 years	20.4	20.3	21.4	19.2	18.7	18.8	18.6	19.8	18.4	18.7	19.2	19.7	16.7
18 to 19 years	17.6	15.5	15.6	15.6	15.4	16.9	16.0	17.2	15.7	15.3	16.1	14.2	15.1
20 to 24 years	10.2	10.8	10.4	10.4	10.2	10.2	10.3	9.4	10.0	10.6	9.8	10.3	10.1
25 years and over	5.7	5.6	5.6	5.4	5.4	5.5	5.4	5.5	5.2	5.1	5.1	5.0	4.7
25 to 54 years	6.0	6.0	6.0	5.8	5.8	5.8	5.7	5.8	5.5	5.5	5.6	5.4	5.0
55 years and over	3.8	3.5	3.3	3.6	3.3	3.6	3.6	3.4	2.9	2.7	2.6	3.2	3.0

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1986									1987			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
CHARACTERISTIC													
Total (all civilian workers)	7.1	7.2	7.1	7.0	6.8	7.0	6.9	6.9	6.7	6.7	6.7	6.6	6.3
Men, 20 years and over	6.0	6.2	6.2	6.2	5.9	6.2	6.2	6.2	6.0	6.0	5.9	5.8	5.5
Women, 20 years and over	6.4	6.4	6.3	6.2	6.1	6.2	6.1	6.1	5.9	5.9	5.8	5.8	5.5
Both sexes, 16 to 19 years	19.3	18.8	18.9	17.9	18.0	18.5	17.7	18.2	17.3	17.7	18.0	18.1	17.4
White	6.1	6.2	6.1	6.0	5.8	6.0	6.0	6.0	5.8	5.9	5.7	5.6	5.4
Black and other	13.5	13.5	13.5	12.7	13.1	13.1	12.7	12.7	12.3	12.6	12.8	12.5	11.7
Black	14.8	14.8	14.9	14.2	14.6	14.6	14.3	14.2	13.7	14.3	14.3	13.9	13.0
Hispanic origin	10.5	10.9	10.6	10.5	10.8	10.9	10.4	9.6	10.5	10.6	9.6	9.0	9.2
Married men, spouse present	4.2	4.4	4.5	4.4	4.2	4.3	4.6	4.5	4.3	4.2	4.2	4.1	4.1
Married women, spouse present	5.3	5.3	5.2	5.2	5.1	5.1	5.0	5.0	4.8	4.8	4.8	4.5	4.4
Women who maintain families	9.5	10.1	10.0	9.5	10.1	9.8	8.9	9.7	9.8	9.8	9.5	9.7	9.3
Full-time workers	6.7	6.9	6.7	6.6	6.4	6.6	6.6	6.6	6.3	6.4	6.3	6.2	5.9
Part-time workers	9.4	9.1	9.1	9.2	9.3	9.3	9.2	9.1	8.8	9.0	8.7	9.2	8.6
Unemployed 15 weeks and over ¹	1.8	1.9	1.9	1.9	1.9	2.0	1.8	1.9	1.8	1.8	1.8	1.7	1.7
Labor force time lost ²	8.1	8.2	8.1	7.8	7.7	7.9	7.8	7.7	7.6	7.6	7.6	7.4	7.3
INDUSTRY													
Nonagricultural private wage and salary workers	7.1	7.2	7.1	7.1	6.9	7.0	7.0	7.0	6.8	6.7	6.6	6.5	6.2
Mining	12.4	13.6	17.3	16.6	16.6	13.9	14.5	14.5	14.1	14.0	12.4	9.3	11.1
Construction	12.3	13.0	12.4	13.0	12.4	12.9	13.8	15.1	13.7	12.2	11.6	12.5	11.9
Manufacturing	6.9	7.4	7.2	6.9	6.9	7.0	7.3	7.1	6.9	6.8	6.8	6.9	6.2
Durable goods	6.9	7.3	7.0	6.7	6.8	6.5	7.2	6.6	6.4	6.8	6.8	6.7	6.2
Nondurable goods	6.9	7.5	7.5	7.2	6.9	7.7	7.3	7.9	7.7	6.8	6.9	7.3	6.2
Transportation and public utilities	5.5	5.3	5.4	5.5	4.8	4.7	5.2	4.4	4.6	4.8	4.0	4.6	4.8
Wholesale and retail trade	7.9	7.9	7.7	7.8	7.5	7.6	7.4	7.2	7.2	7.5	7.2	7.3	7.0
Finance and service industries	5.8	5.5	5.5	5.7	5.6	5.6	5.4	5.4	5.1	5.2	5.4	4.9	4.7
Agricultural wage and salary workers	13.4	15.3	13.2	11.4	13.3	12.9	11.9	10.1	11.5	11.6	11.2	10.7	9.0

¹ Unemployment as a percent of the civilian labor force.

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

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

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

(Numbers in thousands)

Weeks of unemployment	1986									1987			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
DURATION													
Less than 5 weeks	3,565	3,610	3,415	3,399	3,436	3,415	3,418	3,382	3,355	3,416	3,361	3,383	3,143
5 to 14 weeks	2,650	2,671	2,650	2,521	2,407	2,524	2,563	2,613	2,389	2,530	2,477	2,447	2,232
15 weeks and over	2,130	2,232	2,299	2,250	2,272	2,373	2,168	2,217	2,171	2,200	2,131	2,050	2,075
15 to 26 weeks	982	1,065	1,038	1,058	1,068	1,110	950	1,045	1,023	1,022	1,008	945	1,025
27 weeks and over	1,148	1,167	1,261	1,192	1,204	1,263	1,218	1,172	1,148	1,178	1,123	1,105	1,049
Average (mean) duration, in weeks	14.7	14.8	15.2	15.1	15.6	15.5	15.2	14.8	15.0	15.0	14.6	14.9	14.9
Median duration, in weeks	6.6	6.8	7.2	7.1	7.1	7.1	7.0	7.0	7.1	7.0	6.6	6.6	7.0
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	42.7	42.4	40.8	41.6	42.3	41.1	41.9	41.2	42.4	41.9	42.2	42.9	42.2
5 to 14 weeks	31.8	31.4	31.7	30.9	29.7	30.4	31.5	31.8	30.2	31.1	31.1	31.1	30.0
15 weeks and over	25.5	26.2	27.5	27.5	28.0	28.5	26.6	27.0	27.4	27.0	26.7	26.0	27.9
15 to 26 weeks	11.8	12.5	12.4	12.9	13.2	13.4	11.7	12.7	12.9	12.5	12.7	12.0	13.8
27 weeks and over	13.8	13.7	15.1	14.6	14.8	15.2	14.9	14.3	14.5	14.5	14.1	14.0	14.1

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

(Numbers in thousands)

Reasons for unemployment	1986									1987			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
NUMBER OF UNEMPLOYED													
Job losers	4,035	4,214	4,272	4,063	3,824	4,044	3,984	3,947	3,890	3,971	3,839	3,822	3,732
On layoff	1,057	1,118	1,074	1,078	1,017	1,029	1,072	1,073	1,078	1,118	998	1,011	958
Other job losers	2,978	3,096	3,198	2,985	2,807	3,015	2,912	2,874	2,812	2,854	2,842	2,811	2,774
Job leavers	1,071	979	1,009	1,025	990	1,041	1,027	1,056	1,036	891	1,046	1,000	923
Reentrants	2,188	2,200	2,107	2,205	2,199	2,145	2,190	2,119	2,019	2,054	2,042	2,111	1,940
New entrants	1,048	1,046	1,050	989	1,014	1,038	972	1,076	1,015	1,084	1,040	956	911
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	48.4	49.9	50.6	49.1	47.6	48.9	48.7	48.1	48.9	49.6	48.2	48.4	49.7
On layoff	12.7	13.2	12.7	13.0	12.7	12.4	13.1	13.1	13.5	14.0	12.5	12.8	12.8
Other job losers	35.7	36.7	37.9	36.0	35.0	36.5	35.6	35.1	35.3	35.7	35.7	35.6	37.0
Job leavers	12.8	11.6	12.0	12.4	12.3	12.6	12.6	12.9	13.0	11.1	13.1	12.7	12.3
Reentrants	26.2	26.1	25.0	26.6	27.4	25.9	26.8	25.8	25.4	25.7	25.6	26.8	25.8
New entrants	12.6	12.4	12.4	11.9	12.6	12.6	11.9	13.1	12.8	13.6	13.1	12.1	12.1
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.4	3.6	3.6	3.4	3.2	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1
Job leavers .....	.9	.8	.9	.9	.8	.9	.9	.9	.9	.7	.9	.8	.8
Reentrants	1.9	1.9	1.8	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7	1.8	1.6
New entrants .....	.9	.9	.9	.8	.9	.9	.8	.9	.9	.9	.9	.8	.8

**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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Total		98,617	99,553	100,494	101,131	102,091					
Total private		81,604	82,547	83,316	83,856	84,775	65,795	66,672	67,134	67,622	68,468
Mining		842	814	723	726	733	588	566	507	511	517
Metal mining	10	43.9	43.9	43.6	44.0		32.2	32.6	32.8	33.0	
Iron ores	101	8.8	9.7	9.6	9.7		6.5	7.5	7.4	7.4	
Copper ores	102	13.2	12.1	13.8	13.9		9.9	9.2	10.9	11.0	
Coal mining	11,12	179.8	179.1	163.8	163.3		146.8	146.7	133.8	133.5	
Bituminous coal and lignite mining	12	177.6	176.9	161.7	161.3		145.0	144.9	132.0	131.8	
Oil and gas extraction	13	514.2	479.9	415.8	414.6	416.4	331.2	302.4	265.8	265.8	
Crude petroleum, natural gas, and natural gas liquids	131,2	247.5	240.9	213.1	211.8	-	118.2	113.9	105.5	105.0	
Oil and gas field services	138	266.7	239.0	202.7	202.8		213.0	188.5	160.3	160.8	
Nonmetallic minerals, except fuels	14	104.2	110.8	99.9	104.2		77.7	83.9	75.0	78.7	
Crushed and broken stone	142	34.9	38.0	33.5	35.6		27.7	30.6	26.1	28.2	
Sand and gravel	144	31.4	34.4	29.5	30.8		-	-	-	-	
Chemical and fertilizer minerals	147	20.0	20.0	19.4	19.8						
Construction		4,441	4,783	4,559	4,644	4,889	3,404	3,725	3,476	3,552	3,779
General building contractors	15	1,200.9	1,260.0	1,199.2	1,209.2	1,234.7	872.9	926.9	860.9	870.7	
Residential building construction	152	588.4	628.3	604.9	613.1	-	414.5	450.6	420.5	427.5	
Operative builders	153	56.8	57.1	54.3	55.1		30.1	30.3	27.7	28.3	
Nonresidential building construction	154	555.7	574.6	540.0	541.0		428.3	446.0	412.7	414.9	
Heavy construction contractors	16	679.2	764.3	636.5	665.0		548.6	632.9	515.3	542.4	
Highway and street construction	161	208.0	264.8	212.0	228.4		165.4	220.2	166.5	181.4	
Heavy construction, except highway	162	471.2	499.5	424.5	436.6		383.2	412.7	348.8	361.0	
Special trade contractors	17	2,561.0	2,758.7	2,723.2	2,769.4		1,982.7	2,165.6	2,099.3	2,139.2	
Plumbing, heating, and air conditioning	171	609.7	622.9	643.5	644.6		444.3	455.4	468.1	468.6	
Painting, paper hanging, and decorating	172	148.3	163.2	160.2	163.2		120.8	134.5	131.5	134.5	
Electrical work	173	494.2	507.0	527.3	528.1		378.4	389.7	404.0	403.9	
Masonry, stonework, and plastering	174	411.1	447.8	450.7	460.2		348.1	382.9	377.4	386.9	
Carpentering and flooring	175	158.1	167.5	168.6	171.0		117.8	126.7	126.8	128.9	
Roofing and sheet metal work	176	182.2	201.9	191.7	195.0		143.8	162.1	149.1	152.4	
Manufacturing		19,148	19,154	19,061	19,102	19,134	12,982	12,997	12,945	12,993	13,026
Durable goods		11,384	11,390	11,231	11,257	11,268	7,528	7,538	7,422	7,455	7,470
Lumber and wood products	24	695.9	704.3	729.7	735.1	743.0	584.1	590.6	607.5	611.9	619.6
Logging camps and logging contractors	241	74.1	71.7	77.0	74.8	-	62.2	59.6	64.5	61.8	-
Sawmills and planing mills	242	191.4	194.5	202.5	203.9		169.4	172.0	176.6	178.2	
Sawmills and planing mills, general	2421	157.5	160.2	165.5	166.5		139.7	142.0	144.2	145.4	
Hardwood dimension and flooring	2426	30.4	30.8	33.4	33.6		26.7	27.0	29.2	29.4	
Millwork, plywood, and structural members	243	243.1	248.1	262.5	266.3		201.1	205.1	216.2	219.6	
Millwork	2431	94.0	95.6	101.7	103.6		75.5	76.7	81.8	83.8	
Wood kitchen cabinets	2434	64.8	66.0	71.6	72.7		52.5	53.5	57.3	58.2	
Hardwood veneer and plywood	2435	24.3	24.4	25.5	25.4		21.3	21.4	22.3	22.2	
Softwood veneer and plywood	2436	39.7	40.2	41.8	42.1		36.4	36.8	38.1	38.3	
Wood containers	244	41.3	42.0	40.8	41.5		34.9	35.5	34.4	35.0	
Wood buildings and mobile homes	245	68.6	70.7	68.1	68.7		51.9	54.1	50.9	51.4	
Mobile homes	2451	49.3	49.9	46.8	47.0		39.1	40.0	37.4	37.3	
Miscellaneous wood products	249	77.4	77.3	78.8	79.9		64.6	64.3	64.9	65.9	

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Durable goods—Continued											
Furniture and fixtures	25	494.8	495.3	504.6	506.5	507.9	396.0	396.1	404.4	406.2	407.3
Household furniture	251	297.0	297.2	306.1	307.3	-	249.7	249.8	258.6	259.9	-
Wood household furniture	2511	132.3	132.8	136.2	136.1	-	115.0	115.7	119.1	119.1	-
Upholstered household furniture	2512	92.4	91.8	96.7	97.1	-	76.4	75.9	80.5	81.1	-
Metal household furniture	2514	31.2	31.0	33.3	33.6	-	25.7	25.4	27.7	27.8	-
Mattresses and bedspings	2515	28.2	28.6	28.3	28.8	-	21.7	21.9	21.5	22.0	-
Office furniture	252	65.9	65.7	66.1	66.1	-	51.1	50.7	51.1	51.0	-
Public building and related furniture	253	25.9	25.7	27.3	27.4	-	19.8	19.6	21.1	21.1	-
Partitions and fixtures	254	67.8	68.3	68.1	68.8	-	49.4	49.7	48.7	49.1	-
Miscellaneous furniture and fixtures	259	38.2	38.4	37.0	36.9	-	26.0	26.3	24.9	25.1	-
Stone, clay, and glass products	32	578.9	593.7	572.6	579.6	591.0	443.4	457.5	439.3	446.7	457.5
Flat glass	321	15.2	15.0	14.5	14.5	-	11.9	11.7	11.3	11.4	-
Glass and glassware, pressed or blown	322	90.6	91.4	90.7	91.7	-	77.2	77.7	77.4	78.3	-
Glass containers	3221	47.0	47.5	46.5	47.4	-	42.1	42.6	41.7	42.6	-
Pressed and blown glass, nec	3229	43.6	43.9	44.2	44.3	-	35.1	35.1	35.7	35.7	-
Products of purchased glass	323	52.4	52.6	53.4	54.0	-	36.7	37.0	37.6	38.2	-
Cement, hydraulic	324	22.8	22.7	21.7	21.8	-	17.8	17.7	16.8	16.9	-
Structural clay products	325	37.0	38.0	37.1	37.6	-	28.4	29.5	29.0	29.6	-
Pottery and related products	326	35.0	34.9	34.5	34.4	-	27.6	27.4	27.3	27.4	-
Concrete, gypsum, and plaster products	327	201.0	213.9	199.8	204.8	-	154.6	166.5	152.3	157.0	-
Concrete block and brick	3271	18.9	19.5	19.2	19.7	-	12.6	13.0	12.7	13.0	-
Concrete products, nec	3272	68.6	71.1	67.0	68.1	-	52.3	54.5	50.1	51.3	-
Ready-mixed concrete	3273	93.0	102.7	93.2	96.6	-	73.6	82.9	73.8	76.9	-
Misc. nonmetallic mineral products	329	113.1	113.3	108.6	108.2	-	79.9	80.5	77.8	77.7	-
Abrasive products	3291	20.1	20.0	19.9	19.7	-	13.3	13.2	13.2	13.1	-
Asbestos products	3292	10.5	10.5	10.4	10.5	-	7.9	7.9	7.9	8.0	-
Mineral wool	3296	27.0	26.8	24.6	24.1	-	-	-	-	-	-
Primary metal industries	33	791.1	790.2	751.2	761.8	764.7	600.7	600.4	562.3	573.9	577.1
Blast furnaces and basic steel products	331	295.0	294.7	271.7	280.6	283.1	227.4	227.6	203.1	212.0	214.7
Blast furnaces and steel mills	3312	229.2	228.8	208.2	216.5	-	179.3	179.3	156.3	164.8	-
Steel pipe and tubes	3317	23.2	23.0	21.5	21.7	-	16.7	16.6	15.5	15.7	-
Iron and steel foundries	332	138.7	138.4	132.9	134.3	-	109.5	109.3	104.0	105.6	-
Gray iron foundries	3321	87.4	87.0	83.0	83.3	-	71.7	71.3	67.1	67.6	-
Malleable iron foundries	3322	9.9	9.9	9.3	9.5	-	7.0	7.0	6.6	6.8	-
Steel foundries, nec	3325	27.7	27.8	26.0	26.7	-	20.4	20.5	19.2	19.9	-
Primary nonferrous metals	333	41.7	41.7	39.8	39.9	-	29.5	29.6	27.5	27.7	-
Primary aluminum	3334	23.8	23.7	23.0	23.0	-	17.4	17.3	15.8	15.9	-
Nonferrous rolling and drawing	335	187.4	187.7	183.0	183.2	-	133.6	133.9	130.7	131.7	-
Copper rolling and drawing	3351	23.6	23.5	23.4	23.7	-	18.2	18.1	18.3	18.6	-
Aluminum sheet, plate, and foil	3353	30.8	31.1	29.3	29.2	-	22.3	22.7	21.4	21.4	-
Nonferrous wire drawing and insulating	3357	80.5	80.5	78.2	78.3	-	57.3	57.2	55.0	55.4	-
Nonferrous foundries	336	84.9	84.6	83.0	82.9	-	68.4	67.9	67.0	66.9	-
Aluminum foundries	3361	52.5	52.3	51.1	51.2	-	42.9	42.6	41.9	42.0	-
Fabricated metal products	34	1,443.9	1,445.4	1,420.7	1,422.9	1,426.6	1,065.1	1,068.9	1,048.1	1,052.0	1,056.5
Metal cans and shipping containers	341	58.3	58.7	56.8	56.9	-	50.0	50.4	48.3	48.5	-
Metal cans	3411	46.8	47.0	45.6	45.5	-	41.0	41.2	39.5	39.5	-
Cutlery, hand tools, and hardware	342	142.4	142.1	139.2	139.1	-	104.8	104.4	101.9	102.4	-
Hand and edge tools, and hand saws and blades	3423.5	48.5	48.3	49.0	49.2	-	35.3	35.1	35.4	35.7	-
Hardware, nec	3429	80.5	80.3	77.8	77.6	-	60.4	60.1	58.2	58.5	-
Plumbing and heating, except electric	343	65.9	65.3	65.5	65.6	-	46.8	46.3	46.7	47.0	-
Plumbing fittings and brass goods	3432	25.7	25.7	25.4	25.6	-	18.8	18.9	18.5	18.8	-
Heating equipment, except electric	3433	28.6	28.5	28.9	28.9	-	19.1	19.1	19.6	19.7	-
Fabricated structural metal products	344	428.1	430.1	422.3	423.7	-	298.4	301.6	295.0	296.4	-
Fabricated structural metal	3441	74.8	74.4	71.3	70.8	-	53.0	52.9	49.9	49.6	-
Metal doors, sash, and trim	3442	87.5	89.5	87.9	89.2	-	64.1	66.1	64.3	65.1	-
Fabricated plate work (boiler shops)	3443	96.1	95.2	93.0	92.5	-	60.4	60.0	58.0	57.8	-
Sheet metal work	3444	107.9	108.1	108.0	108.2	-	79.0	79.4	79.8	80.2	-
Architectural metal work	3446	27.8	28.1	28.3	28.1	-	20.1	20.6	20.9	20.7	-

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Durable goods—Continued											
Fabricated metal products—Continued											
Screw machine products, bolts, etc	345	97.4	97.6	97.0	97.5		74.4	74.4	74.1	74.5	
Screw machine products	3451	45.7	45.8	45.5	45.6		37.0	37.0	37.2	37.3	
Bolts, nuts, rivets, and washers	3452	51.7	51.8	51.5	51.9		37.4	37.4	36.9	37.2	
Metal forgings and stampings	346	242.4	241.7	233.8	233.0		194.8	194.5	187.5	186.5	
Iron and steel forgings	3462	34.1	33.8	31.6	31.7		26.3	26.1	24.3	24.4	
Automotive stampings	3465	104.4	104.0	100.0	99.5		89.4	89.1	85.3	84.8	
Metal stampings, nec	3469	93.0	93.1	91.9	91.5		71.1	71.3	70.5	69.9	
Metal services, nec	347	112.6	113.2	116.4	117.3		90.2	91.0	93.0	93.8	
Plating and polishing	3471	75.0	75.2	76.6	76.8		60.7	61.0	61.8	62.1	
Metal coating and allied services	3479	37.6	38.0	39.8	40.5		29.5	30.0	31.2	31.7	
Ordnance and accessories, nec	348	78.6	79.4	81.3	81.7		48.9	50.1	51.7	52.6	
Ammunition, except for small arms, nec	3483	44.3	45.1	47.1	47.2		26.9	28.0	29.5	29.8	
Misc. fabricated metal products	349	218.2	217.3	208.4	208.1		156.8	156.2	149.9	150.3	
Valves and pipe fittings	3494	84.1	83.5	77.6	77.5		56.0	55.4	51.3	51.5	
Misc. fabricated wire products	3496	51.0	51.3	50.7	50.9		38.5	38.8	38.1	38.5	
Machinery, except electrical	35	2,122.3	2,115.0	2,042.8	2,046.6	2,052.1	1,274.5	1,269.8	1,215.8	1,219.7	1,226.0
Engines and turbines	351	100.3	99.7	94.2	94.4	-	63.4	63.0	59.1	59.2	-
Turbines and turbine generator sets	3511	32.7	32.3	29.5	29.5		17.6	17.3	15.8	15.7	
Internal combustion engines, nec	3519	67.6	67.4	64.7	64.9		45.8	45.7	43.3	43.5	
Farm and garden machinery	352	99.2	99.9	100.8	102.8		68.6	68.9	68.0	69.4	
Farm machinery and equipment	3523	71.5	72.1	70.6	72.6		46.7	47.0	44.5	45.9	
Construction and related machinery	353	240.1	235.5	216.3	215.1		147.4	143.9	126.7	126.1	
Construction machinery	3531	84.1	84.0	78.7	78.0		51.3	51.5	45.4	45.0	
Mining machinery	3532	19.3	19.0	18.7	18.6		12.1	11.9	11.3	11.2	
Oil field machinery	3533	56.2	52.4	40.1	39.9		34.6	31.6	23.3	23.2	
Conveyors and conveying equipment	3535	30.5	30.3	30.2	29.9		16.5	16.1	15.4	15.4	
Industrial trucks and tractors	3537	24.9	24.9	24.7	24.8		17.3	17.5	17.3	17.3	
Metalworking machinery	354	308.6	307.9	300.8	300.3		220.1	219.6	214.1	214.1	
Machine tools, metal cutting types	3541	53.5	53.0	48.5	48.4		33.6	33.3	30.4	30.3	
Machine tools, metal forming types	3542	18.6	18.5	18.2	18.1		11.2	11.1	11.0	11.0	
Special dies, tools, jigs, and fixtures	3544	143.8	144.6	145.1	145.2		111.7	112.1	111.4	111.5	
Machine tool accessories	3545	54.8	54.4	52.6	52.4		38.0	37.9	36.6	36.6	
Power driven hand tools	3546	21.3	21.0	20.2	20.2		15.4	15.2	14.7	14.7	
Special industry machinery	355	164.3	163.2	158.5	159.1		97.2	96.3	94.3	94.6	
Food products machinery	3551	38.8	38.7	38.2	38.5		23.5	23.4	23.2	23.4	
Textile machinery	3552	18.0	17.7	18.8	19.1		12.1	11.9	12.7	12.8	
Printing trades machinery	3555	29.1	29.1	27.8	27.9		16.8	16.8	16.1	16.1	
General industrial machinery	356	264.6	264.4	260.2	260.1		167.7	167.7	165.7	166.1	
Pumps and pumping equipment	3561	48.7	48.6	45.4	46.3		28.9	29.0	26.0	26.5	
Ball and roller bearings	3562	46.1	46.2	45.8	45.3		33.9	34.2	34.5	34.5	
Air and gas compressors	3563	24.1	24.4	23.3	23.5		13.5	13.8	13.1	13.3	
Blowers and fans	3564	31.6	31.7	32.5	31.9		19.9	20.0	20.9	20.5	
Speed changers, drives, and gears	3566	20.6	20.7	20.6	20.7		14.4	14.2	14.0	14.2	
Power transmission equipment, nec	3568	15.9	15.8	15.7	15.7		10.7	10.6	10.6	10.6	
Office and computing machines	357	486.7	483.6	461.0	459.8		171.7	169.6	153.0	152.5	
Electronic computing equipment	3573	423.3	420.1	400.5	399.3		140.4	138.8	124.0	123.7	
Refrigeration and service machinery	358	170.2	172.0	171.1	172.5		119.3	121.1	122.1	122.8	
Refrigeration and heating equipment	3585	120.8	122.9	123.8	124.7		86.8	88.7	90.4	90.7	
Misc. machinery, except electrical	359	288.3	288.8	279.9	282.5		219.1	219.7	212.8	214.9	
Carburetors, pistons, rings, and valves	3592	36.6	36.8	34.3	34.8		29.8	30.0	28.5	28.9	
Machinery, except electrical, nec	3599	251.7	252.0	245.6	247.7		189.3	189.7	184.3	186.0	
Electrical and electronic equipment	36	2,175.3	2,170.6	2,148.4	2,141.1	2,137.9	1,254.9	1,248.7	1,243.1	1,238.3	1,237.5
Electric distributing equipment	361	116.7	116.3	114.2	113.7	-	84.3	83.8	83.1	82.9	-
Transformers	3612	53.8	54.0	53.5	53.5		39.7	39.6	39.7	39.8	
Switchgear and switchboard apparatus	3613	62.9	62.3	60.7	60.2		44.6	44.2	43.4	43.1	
Electrical industrial apparatus	362	197.7	196.7	196.8	196.2		138.6	137.6	136.6	136.2	
Motors and generators	3621	98.9	98.0	99.7	99.3		76.5	75.8	76.1	75.9	
Industrial controls	3622	62.4	62.4	60.5	60.3		37.3	37.1	35.4	35.1	
Household appliances	363	135.3	133.7	138.7	138.5		106.2	104.4	109.6	109.4	
Household refrigerators and freezers	3632	26.4	26.8	27.5	27.6		20.9	21.2	22.4	22.5	
Household laundry equipment	3633	21.9	22.0	23.1	23.2		17.6	17.5	18.1	18.2	
Electric housewares and fans	3634	35.9	34.4	35.0	34.6		26.9	25.5	26.6	26.2	

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Durable goods—Continued											
Electrical and electronic equipment—Continued											
Electric lighting and wiring equipment	364	194.9	194.6	189.3	188.9		141.1	140.5	136.4	136.1	
Electric lamps	3641	27.4	27.2	27.5	27.5		23.6	23.4	23.4	23.2	
Current-carrying wiring devices	3643	79.2	79.3	74.9	74.5		52.2	52.1	48.6	48.5	
Noncurrent-carrying wiring devices	3644	17.7	17.7	16.6	16.7		12.5	12.5	11.8	11.9	
Residential lighting fixtures	3645	26.6	26.6	27.0	26.6		20.2	20.0	20.6	20.2	
Radio and TV receiving equipment	365	79.3	78.1	77.3	76.7		54.6	53.5	52.4	51.8	
Radio and TV receiving sets	3651	62.8	62.1	59.9	59.3		43.2	42.7	40.0	39.3	
Communication equipment	366	663.0	662.1	648.4	643.4		275.8	274.9	269.5	265.9	
Telephone and telegraph apparatus	3661	125.7	124.8	116.2	112.9		73.0	73.0	68.2	65.9	
Radio and TV communication equipment	3662	537.3	537.3	532.2	530.5		202.8	201.9	201.3	200.0	
Electronic components and accessories	367	638.1	638.7	633.7	634.2		351.4	351.1	351.4	352.5	
Electronic tubes	3671-3	42.8	42.6	40.9	41.2		25.4	25.4	25.4	25.7	
Semiconductors and related devices	3674	267.1	267.3	263.2	262.5		99.4	99.5	100.7	100.8	
Electronic components, nec	3679	259.7	259.7	260.3	261.0		175.5	174.8	173.4	174.2	
Misc. electrical equipment and supplies	369	150.3	150.4	150.0	149.5		102.9	102.9	104.1	103.5	
Storage batteries	3691	27.7	27.9	28.9	29.0		21.6	21.6	22.5	22.4	
Engine electrical equipment	3694	63.8	63.8	64.1	63.8		47.0	47.1	48.7	48.5	
Transportation equipment	37	1,991.3	1,986.3	1,992.3	1,987.6	1,971.2	1,253.6	1,249.0	1,254.9	1,250.9	1,233.4
Motor vehicles and equipment	371	857.7	852.6	835.6	829.1	815.8	661.2	658.3	648.7	644.1	630.1
Motor vehicles and car bodies	3711	392.0	389.9	376.5	368.2	-	291.5	291.0	282.6	276.3	-
Truck and bus bodies	3713	37.3	37.4	39.7	40.7		29.1	29.2	31.0	31.9	
Motor vehicle parts and accessories	3714	384.6	381.4	374.9	374.5		307.0	304.4	301.0	300.7	
Truck trailers	3715	27.1	27.2	27.7	28.4		20.6	20.7	21.2	21.9	
Aircraft and parts	372	661.9	663.0	687.5	687.6		320.9	321.2	341.1	341.7	
Aircraft	3721	347.4	348.7	367.7	368.1		147.7	148.2	163.5	164.1	
Aircraft engines and engine parts	3724	147.9	147.6	151.8	151.6		75.5	74.9	77.7	77.7	
Aircraft equipment, nec	3728	166.6	166.7	168.0	167.9		97.7	98.1	99.9	99.9	
Ship and boat building and repairing	373	186.4	186.3	183.3	183.6		139.9	140.0	136.5	136.3	
Ship building and repairing	3731	138.0	136.8	132.6	132.0		100.8	99.8	95.4	94.5	
Boat building and repairing	3732	48.4	49.5	50.7	51.6		39.1	40.2	41.1	41.8	
Railroad equipment	374	31.6	30.8	25.0	24.7		22.2	21.5	16.8	16.5	
Guided missiles, space vehicles, and parts	376	185.7	186.3	193.7	194.3		62.8	62.2	65.9	65.6	
Guided missiles and space vehicles	3761	143.0	143.3	148.2	148.4		46.9	46.6	48.1	47.7	
Miscellaneous transportation equipment	379	55.1	54.4	55.1	55.6		37.5	36.7	37.6	37.9	
Travel trailers and campers	3792	21.5	21.5	22.7	23.1		16.9	16.9	17.8	18.0	
Instruments and related products	38	724.2	721.6	705.1	706.3	705.2	392.1	391.5	383.0	385.3	385.4
Engineering and scientific instruments	381	83.9	83.8	82.6	83.0	-	36.3	36.5	36.8	37.1	-
Measuring and controlling devices	382	252.8	252.1	244.4	244.7		139.3	139.1	136.0	137.3	
Environmental controls	3822	43.0	42.7	41.7	41.9		27.4	27.4	26.5	27.0	
Process control instruments	3823	55.4	55.0	52.3	52.3		28.4	28.0	26.9	27.0	
Instruments to measure electricity	3825	109.9	109.8	104.2	104.3		55.6	55.5	52.2	52.7	
Optical instruments and lenses	383	32.8	32.5	31.1	31.2		16.2	16.2	15.3	15.4	
Medical instruments and supplies	384	182.0	182.1	182.8	182.8		109.9	110.3	110.5	110.4	
Surgical and medical instruments	3841	86.6	87.1	86.4	86.4		49.3	49.7	50.3	50.5	
Surgical appliances and supplies	3842	80.4	79.9	81.5	81.5		52.3	52.2	51.8	51.6	
Ophthalmic goods	385	39.4	39.6	42.1	42.4		26.1	26.7	28.4	28.7	
Photographic equipment and supplies	386	122.1	120.4	110.7	110.6		56.5	55.0	48.0	48.2	
Watches, clocks, and watchcases	387	11.2	11.1	11.4	11.6		7.8	7.7	8.0	8.2	
Miscellaneous manufacturing	39	366.0	367.7	363.4	369.8	368.8	263.3	265.3	264.0	270.0	269.8
Jewelry, silverware, and plated ware	391	54.0	53.1	51.9	52.1	-	36.6	36.2	36.0	36.2	-
Jewelry, precious metal	3911	36.5	35.9	34.7	35.0		24.5	24.3	23.8	24.1	
Musical instruments	393	14.4	14.3	15.1	15.2		11.5	11.4	12.4	12.4	
Toys and sporting goods	394	96.2	97.4	96.9	100.1		70.7	71.7	72.0	75.1	
Dolls, games, toys, and children's vehicles	3942,4	43.3	44.2	42.6	44.1		29.5	30.3	30.3	31.7	
Sporting and athletic goods, nec	3949	52.9	53.2	54.3	56.0		41.2	41.4	41.7	43.4	
Pens, pencils, office, and art supplies	395	32.0	32.1	31.8	32.0		21.4	21.7	21.8	21.8	
Costume jewelry and notions	396	38.1	39.1	40.1	42.1		28.8	29.7	31.1	33.0	
Costume jewelry	3961	21.3	21.6	23.5	25.3		16.0	16.4	18.3	20.1	
Miscellaneous manufactures	399	131.3	131.7	127.6	128.3		94.3	94.6	90.7	91.5	
Signs and advertising displays	3993	55.2	55.4	53.5	53.7		38.8	39.0	37.2	37.5	

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^P	Apr. 1987 ^P	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^P	Apr. 1987 ^P
Nondurable goods		7,764	7,764	7,830	7,845	7,866	5,454	5,459	5,523	5,538	5,556
Food and kindred products	20	1,573.0	1,572.8	1,601.6	1,602.9	1,603.8	1,090.1	1,089.0	1,117.8	1,118.7	1,117.5
Meat products	201	372.9	371.6	383.1	384.7	-	316.3	315.5	324.1	326.1	-
Meat packing plants	2011	141.6	140.3	140.1	140.6		118.4	117.3	116.8	117.4	
Sausages and other prepared meats	2013	73.6	72.9	73.9	73.6		53.6	53.4	54.2	54.0	
Poultry dressing plants	2016	134.0	134.8	143.9	145.1		122.7	123.4	129.8	131.3	
Dairy products	202	161.3	162.0	162.4	164.0		95.4	95.6	97.4	98.6	
Cheese, natural and processed	2022	39.0	39.0	38.5	38.8		29.8	29.6	29.8	30.0	
Fluid milk	2026	86.8	87.1	87.9	88.5		42.4	42.4	44.1	44.6	
Preserved fruits and vegetables	203	210.4	210.4	217.0	221.1		169.2	168.5	174.2	177.5	
Canned specialties	2032	23.5	23.6	24.6	24.4		16.4	16.7	17.2	16.9	
Canned fruits and vegetables	2033	65.2	67.0	70.5	71.6		51.0	52.4	55.3	56.3	
Frozen fruits and vegetables	2037	47.9	47.2	46.5	47.9		41.6	40.5	40.6	41.9	
Grain mill products	204	122.8	122.2	122.6	121.3		83.2	82.9	84.3	82.9	
Flour and other grain mill products	2041	22.1	22.0	22.3	22.1		14.9	14.9	15.1	14.7	
Prepared feeds, nec	2048	44.3	43.8	43.1	43.1		27.5	27.2	27.2	27.4	
Bakery products	205	210.7	211.1	213.8	215.0		125.7	126.0	128.8	129.5	
Bread, cake, and related products	2051	166.2	167.2	168.2	168.5		89.9	91.2	91.8	91.7	
Cookies and crackers	2052	44.5	43.9	45.6	46.5		35.8	34.8	37.0	37.8	
Sugar and confectionery products	206	89.9	88.1	99.3	94.4		68.9	67.1	77.1	72.3	
Cane and beet sugar	2061-3	18.8	19.0	24.0	20.3		14.2	14.5	18.8	15.0	
Confectionery products	2065	52.1	50.5	55.3	54.5		42.1	40.4	44.7	44.2	
Fats and oils	207	35.6	35.2	34.8	34.2		26.2	25.8	25.3	24.9	
Beverages	208	212.2	213.9	211.4	211.3		89.5	90.4	90.7	91.4	
Malt beverages	2082	43.2	43.5	42.5	42.3		27.4	27.4	26.7	26.6	
Bottled and canned soft drinks	2086	124.7	125.8	124.0	123.3		40.0	40.9	40.3	40.2	
Misc. food and kindred products	209	157.2	158.3	157.2	156.9		115.7	117.2	115.9	115.5	
Tobacco manufactures	21	60.9	59.3	59.8	57.4	55.9	45.2	43.8	44.9	42.6	41.6
Cigarettes	211	43.2	43.0	42.5	41.8	-	31.8	31.6	31.4	30.8	-
Textile mill products	22	703.4	703.6	721.4	724.7	726.6	607.8	607.9	626.6	629.9	631.7
Weaving mills, cotton	221	101.5	100.6	102.8	102.9	-	91.5	90.6	92.6	92.8	-
Weaving mills, synthetics	222	88.8	88.7	91.6	92.1		79.1	78.9	81.7	82.0	
Weaving and finishing mills, wool	223	16.7	16.8	16.8	16.7		14.0	14.1	13.8	13.8	
Narrow fabric mills	224	21.3	21.2	21.6	21.6		18.4	18.3	18.8	18.8	
Knitting mills	225	200.7	202.5	206.1	207.2		174.1	176.1	180.9	182.0	
Women's hosiery, except socks	2251	35.6	35.4	35.2	35.3		31.6	31.5	31.3	31.4	
Hosiery, nec	2252	34.7	34.9	35.4	35.5		30.9	31.1	31.8	31.8	
Knit outerwear mills	2253	66.0	66.8	70.5	70.9		57.7	58.5	62.7	63.2	
Knit underwear mills	2254	23.5	23.8	23.1	23.4		19.3	19.7	20.0	20.2	
Circular knit fabric mills	2257	22.8	23.0	23.6	23.9		19.7	19.9	20.5	20.9	
Textile finishing, except wool	226	58.4	57.9	58.7	59.0		49.2	48.6	49.3	49.7	
Finishing plants, cotton	2261	22.5	22.4	22.7	22.9		19.2	19.1	19.3	19.5	
Finishing plants, synthetics	2262	21.5	21.5	21.7	21.6		17.5	17.5	17.6	17.6	
Floor covering mills	227	57.6	57.4	59.6	60.8		47.6	47.4	48.6	49.7	
Yarn and thread mills	228	102.8	103.0	108.1	108.4		90.9	91.2	97.0	97.4	
Yarn mills, except wool	2281	73.4	73.6	78.2	78.3		66.1	66.3	71.0	71.1	
Throwing and winding mills	2282	16.1	16.1	17.1	17.1		13.8	13.8	15.0	15.1	
Miscellaneous textile goods	229	55.6	55.5	56.1	56.0		43.0	42.7	43.9	43.7	
Apparel and other textile products	23	1,119.9	1,121.1	1,116.1	1,116.6	1,119.7	944.2	947.0	942.1	942.2	944.7
Men's and boys' suits and coats	231	60.6	60.1	59.4	58.6	-	52.2	51.8	50.9	50.2	-
Men's and boys' furnishings	232	315.5	320.0	316.3	317.4		273.1	277.2	273.5	274.6	
Men's and boys' shirts and nightwear	2321	84.8	85.7	85.4	85.7		73.2	74.3	73.3	73.5	
Men's and boys' separate trousers	2327	57.0	56.3	53.9	53.5		49.9	49.3	47.4	46.8	
Men's and boys' work clothing	2328	97.3	100.6	98.8	99.5		85.4	88.1	86.5	87.4	
Women's and misses' outerwear	233	365.5	362.1	356.2	358.9		306.9	304.3	300.2	302.8	
Women's and misses' blouses and waists	2331	52.5	51.9	52.8	53.0		43.8	43.1	43.8	44.1	
Women's and misses' dresses	2335	99.4	97.5	90.9	94.2		84.7	83.1	75.9	78.9	
Women's and misses' suits and coats	2337	40.6	42.6	42.5	41.1		33.0	35.0	34.5	33.1	
Women's and misses' outerwear, nec	2339	173.0	170.1	170.0	170.6		145.4	143.1	146.0	146.7	

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^a	Apr. 1987 ^a	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^a	Apr. 1987 ^a
Nondurable goods—Continued											
Apparel and other textile products—Continued											
Women's and children's undergarments	234	76.2	76.8	73.5	71.6		63.7	64.3	60.9	59.1	
Women's and children's underwear	2341	60.5	61.2	59.0	57.1		52.0	52.7	50.4	48.5	
Brassieres and allied garments	2342	15.7	15.6	14.5	14.5		11.7	11.6	10.5	10.6	
Children's outerwear	236	61.6	62.5	61.8	60.0		51.3	52.7	52.1	50.2	
Children's dresses and blouses	2361	25.1	26.0	26.2	25.0		21.9	22.9	23.1	21.9	
Misc. apparel and accessories	238	41.8	41.8	41.7	42.6		34.6	34.7	34.8	35.5	
Misc. fabricated textile products	239	180.8	180.0	189.2	189.7		148.2	147.9	155.4	155.7	
Curtains and draperies	2391	26.2	26.3	27.3	27.6		21.0	21.1	22.0	22.3	
House furnishings, nec	2392	49.8	49.4	51.8	52.2		42.0	41.9	43.6	44.1	
Automotive and apparel trimmings	2396	37.6	37.4	39.6	39.3		31.5	31.4	33.5	33.0	
Paper and allied products	26	684.7	685.1	689.7	691.6	692.7	519.4	519.7	523.9	525.5	527.8
Paper and pulp mills	261,2,6	196.2	196.2	195.9	195.5	-	150.2	150.3	149.0	148.5	-
Paper mills, except building paper	262	171.9	171.8	171.3	171.0		130.7	130.9	129.6	129.2	
Paperboard mills	263	55.1	54.8	54.7	54.7		42.1	42.0	41.2	41.0	
Misc. converted paper products	264	236.8	236.6	240.8	242.0		174.6	174.2	179.6	180.9	
Paper coating and glazing	2641	58.7	58.8	59.7	59.6		36.6	36.7	38.2	38.8	
Envelopes	2642	27.7	27.6	28.0	28.1		21.4	21.2	22.1	22.0	
Bags, except textile bags	2643	52.7	52.4	54.6	54.5		41.5	41.0	43.4	43.2	
Paperboard containers and boxes	265	196.6	197.5	198.3	199.4		152.5	153.2	154.1	155.1	
Folding paperboard boxes	2651	42.6	42.8	42.5	43.1		33.7	33.8	33.5	34.0	
Corrugated and solid fiber boxes	2653	104.0	103.9	104.0	104.1		78.8	78.6	79.0	79.2	
Sanitary food containers	2654	23.8	24.0	24.6	25.1		20.0	20.2	21.1	21.5	
Printing and publishing	27	1,470.8	1,473.5	1,503.9	1,507.5	1,515.8	819.5	823.1	839.9	842.4	849.1
Newspapers	271	458.7	458.9	461.3	460.6	-	170.2	170.9	171.1	169.8	-
Periodicals	272	112.1	111.1	115.1	115.4		32.6	33.1	37.1	37.2	
Books	273	114.0	115.0	117.3	117.9		61.0	62.0	63.0	63.7	
Book publishing	2731	84.1	84.8	87.1	87.4		37.2	37.9	39.1	39.7	
Book printing	2732	29.9	30.2	30.2	30.5		23.8	24.1	23.9	24.0	
Miscellaneous publishing	274	78.4	79.5	85.4	85.6		42.6	43.3	46.5	46.5	
Commercial printing	275	510.7	512.5	525.4	528.8		372.4	373.5	379.9	382.7	
Commercial printing, letterpress	2751	164.7	166.8	168.5	171.1		120.9	122.2	122.1	123.8	
Commercial printing, lithographic	2752	318.0	318.1	327.6	328.2		229.5	229.5	234.4	235.3	
Manifold business forms	276	47.6	47.5	47.3	47.0		33.4	33.1	33.4	33.2	
Blankbooks and bookbinding	278	73.7	73.6	74.7	75.1		59.4	59.5	59.9	60.6	
Printing trade services	279	52.8	52.8	55.1	54.8		39.6	39.6	41.2	41.0	
Chemicals and allied products	28	1,029.8	1,026.7	1,016.4	1,017.8	1,017.6	573.0	572.5	569.9	572.1	571.4
Industrial inorganic chemicals	281	138.9	138.5	133.2	133.1	-	70.8	71.0	68.8	69.0	-
Industrial inorganic chemicals, nec	2819	91.1	91.1	87.9	87.8		48.7	49.0	48.8	49.0	
Plastics materials and synthetics	282	167.8	166.9	164.0	163.6		113.2	112.4	109.9	109.4	
Plastics materials and resins	2821	74.1	74.1	74.4	74.5		44.8	44.6	44.1	44.1	
Organic fibers, noncellulosic	2824	63.1	62.5	59.8	59.5		45.2	44.9	43.3	43.0	
Drugs	283	204.3	204.3	207.4	207.7		96.0	96.1	96.9	96.9	
Pharmaceutical preparations	2834	164.8	164.8	167.6	167.8		76.7	76.8	77.6	77.4	
Soap, cleaners, and toilet goods	284	146.3	144.2	148.9	148.7		92.6	91.1	93.9	93.6	
Soap and other detergents	2841	41.1	40.8	41.1	41.2		26.3	25.9	26.0	25.9	
Toilet preparations	2844	64.7	63.4	66.5	66.6		44.3	43.3	45.9	45.8	
Polishing, sanitation, and finishing preparations	2842,3	40.5	40.0	41.3	40.9		22.0	21.9	22.0	21.9	
Paints and allied products	285	63.1	63.5	62.2	62.6		30.2	30.7	30.3	30.6	
Industrial organic chemicals	286	155.8	155.3	151.4	151.6		80.9	81.5	83.3	84.3	
Cyclic crudes and intermediates	2865	30.1	30.1	28.6	28.7		20.0	20.0	19.0	19.1	
Gum, wood, and industrial organic chemicals, nec	2861,9	125.7	125.2	122.8	122.9		60.9	61.5	64.3	65.2	
Agricultural chemicals	287	59.2	60.0	56.4	57.3		36.9	37.5	35.0	36.1	
Miscellaneous chemical products	289	94.4	94.0	92.9	93.2		52.4	52.2	51.8	52.2	
Petroleum and coal products	29	163.7	165.4	155.2	156.0	157.5	100.8	102.6	99.0	100.4	102.3
Petroleum refining	291	129.2	128.8	120.3	120.0	-	77.1	77.0	75.0	75.5	-
Paving and roofing materials	295	23.5	25.6	24.0	25.1		17.4	19.3	17.9	18.8	

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Nondurable goods—Continued											
Rubber and misc. plastics products	30	800.5	800.8	815.5	819.9	824.4	624.5	624.6	634.9	639.0	643.8
Tires and inner tubes	301	90.1	89.4	86.2	85.8	-	64.5	64.1	62.2	62.1	-
Rubber and plastics footwear	302	12.5	12.3	11.7	11.6	-	10.7	10.4	9.7	9.4	-
Reclaimed rubber, and rubber and plastics hose and belting	303.4	21.7	21.7	21.5	21.7	-	14.7	14.7	15.4	15.6	-
Fabricated rubber products, nec	306	109.2	108.8	109.7	110.2	-	84.0	83.6	84.3	84.8	-
Miscellaneous plastics products	307	567.0	568.6	586.4	590.6	-	450.6	451.8	463.3	467.1	-
Leather and leather products	31	157.0	155.9	150.0	150.4	152.1	129.8	128.9	124.3	124.7	126.3
Leather tanning and finishing	311	14.1	14.4	13.5	13.7	-	11.8	11.9	11.0	11.2	-
Footwear, except rubber	314	94.6	93.9	88.6	88.8	-	79.8	79.4	75.4	75.7	-
Men's footwear, except athletic	3143	40.7	40.1	37.9	38.0	-	32.5	32.3	30.9	30.9	-
Women's footwear, except athletic	3144	33.5	33.5	33.1	33.0	-	29.4	29.4	29.3	29.2	-
Luggage	316	11.0	10.9	10.4	10.5	-	8.1	7.9	7.5	7.4	-
Handbags and personal leather goods	317	20.1	19.6	18.9	19.1	-	16.1	15.7	15.3	15.6	-
Transportation and public utilities		5,215	5,229	5,321	5,345	5,377	4,312	4,327	4,397	4,419	4,451
Transportation		3,001	3,016	3,090	3,110	3,144					
Railroad transportation	40	325.5	329.0	295.8	295.1	-					
Class I railroads ²	4011	295.0	297.9	266.3	265.7	-					
Local and interurban passenger transit	41	290.4	290.8	296.2	299.6	-	269.7	269.8	273.7	277.4	-
Local and suburban transportation	411	95.0	95.0	96.9	97.4	-	87.7	87.5	88.6	89.0	-
Taxicabs	412	37.5	37.4	37.4	37.3	-	-	-	-	-	-
Intercity highway transportation	413	35.4	35.1	33.7	34.3	-	32.0	31.8	30.5	31.2	-
School buses	415	99.0	99.7	103.2	104.1	-	-	-	-	-	-
Trucking and warehousing	42	1,364.8	1,370.6	1,419.3	1,430.8	-	1,183.6	1,190.4	1,234.5	1,243.7	-
Trucking and trucking terminals	421.3	1,272.6	1,278.2	1,320.1	1,332.1	-	1,106.6	1,112.8	1,151.4	1,161.1	-
Public warehousing	422	92.2	92.4	99.2	98.7	-	77.0	77.6	83.1	82.6	-
Water transportation	44	179.7	176.9	176.2	175.8	-					
Local water transportation	445	25.9	26.6	25.0	25.9	-					
Water transportation services	446	96.5	93.2	99.3	97.1	-					
Transportation by air	45	535.7	540.8	584.3	587.1	-					
Air transportation	451.2	469.6	474.3	515.9	517.7	-					
Air transportation services	458	66.1	66.5	68.4	69.4	-					
Pipe lines, except natural gas	46	18.3	18.3	17.6	17.7	-	13.4	13.3	12.8	12.8	-
Transportation services	47	286.4	289.1	300.4	304.1	-					
Freight forwarding	471	65.7	66.5	74.3	75.1	-					
Communication and public utilities		2,214	2,213	2,231	2,235	2,233					
Communication	48	1,298.6	1,296.7	1,306.4	1,307.8	-	994.3	994.5	982.6	985.0	-
Telephone communication	481	883.5	881.6	887.7	887.9	-	660.1	659.7	645.4	646.4	-
Radio and television broadcasting	483	243.3	242.9	241.1	241.6	-	199.5	199.7	198.0	198.5	-
Radio broadcasting	4832	116.1	116.0	115.2	115.3	-	-	-	-	-	-
Television broadcasting	4833	127.2	126.9	125.9	126.3	-	-	-	-	-	-
Electric, gas, and sanitary services	49	915.1	916.6	924.9	927.5	-	727.0	728.1	730.0	731.5	-
Electric services	491	451.2	451.9	459.1	460.7	-	349.0	349.3	351.2	352.1	-
Gas production and distribution	492	165.1	163.7	162.5	162.2	-	129.6	128.6	128.5	128.4	-
Combination utility services	493	204.8	205.3	204.4	204.7	-	168.8	169.2	166.5	166.3	-
Sanitary services	495	67.6	68.8	71.1	71.9	-	58.2	59.2	61.6	62.3	-
Wholesale trade		5,803	5,838	5,827	5,839	5,856	4,651	4,684	4,655	4,665	4,680
Durable goods	50	3,466	3,478	3,478	3,486	3,492	2,760	2,770	2,754	2,758	-
Motor vehicles and automotive equipment	501	424.7	426.4	427.8	427.4	-	339.5	341.3	342.0	342.9	-
Automobiles and other motor vehicles	5012	107.5	107.3	108.6	107.8	-	-	-	-	-	-
Automotive parts and supplies	5013	286.4	287.5	287.9	288.0	-	-	-	-	-	-

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^P	Apr. 1987 ^P	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^P	Apr. 1987 ^P
Wholesale trade—Continued											
Durable goods—Continued											
Furniture and home furnishings	502	133.1	132.9	137.9	138.4		107.4	107.0	110.3	111.4	
Furniture	5021	57.5	57.5	59.5	59.4		-	-	-	-	
Home furnishings	5023	75.6	75.4	78.4	79.0		-	-	-	-	
Lumber and construction materials	503	220.4	224.1	228.6	229.4		180.5	184.2	186.7	187.8	
Lumber, plywood, and millwork	5031	102.0	102.8	105.9	106.4		-	-	-	-	
Construction materials, nec	5039	118.4	121.3	122.7	123.0		-	-	-	-	
Sporting goods, toys, and hobby goods	504	83.1	83.8	82.3	83.1		68.2	68.7	67.1	68.1	
Metals and minerals, except petroleum	505	139.4	139.8	135.7	135.8		110.1	110.3	106.3	106.7	
Electrical goods	506	500.5	500.2	495.3	494.6		385.4	385.0	376.2	376.2	
Electrical apparatus and equipment	5063	272.6	271.7	268.8	268.4		-	-	-	-	
Electrical appliances, TV and radios	5064	74.9	74.8	75.2	75.6		-	-	-	-	
Electronic parts and equipment	5065	153.0	153.7	151.3	150.6		-	-	-	-	
Hardware, plumbing, and heating equipment	507	261.3	262.1	268.6	269.3		208.4	209.5	215.9	216.1	
Hardware	5072	88.0	88.1	92.2	92.5		-	-	-	-	
Plumbing and hydronic heating supplies	5074	105.4	105.7	107.7	108.0		-	-	-	-	
Machinery, equipment, and supplies	508	1,504.6	1,509.2	1,501.7	1,505.7		1,200.9	1,203.6	1,190.3	1,187.6	
Commercial machines and equipment	5081	546.6	548.4	555.8	555.6		-	-	-	-	
Construction and mining machinery	5082	80.9	81.7	81.6	81.3		-	-	-	-	
Farm machinery and equipment	5083	125.4	127.5	123.9	124.6		-	-	-	-	
Industrial machinery and equipment	5084	324.4	321.8	306.9	307.9		-	-	-	-	
Industrial supplies	5085	133.5	133.6	133.1	133.8		-	-	-	-	
Professional equipment and supplies	5086	177.3	178.7	179.4	179.7		-	-	-	-	
Miscellaneous durable goods	509	198.7	199.7	200.5	202.4		159.3	160.1	159.6	161.3	
Scrap and waste materials	5093	90.6	91.2	90.2	91.2		-	-	-	-	
Nondurable goods	51	2,337	2,360	2,349	2,353	2,364	1,891	1,914	1,901	1,907	
Paper and paper products	511	188.9	189.1	189.8	189.4	-	153.8	153.8	154.0	154.3	
Drugs, proprietaries, and sundries	512	170.9	170.8	173.7	175.6		142.3	142.2	143.2	145.0	
Apparel, piece goods, and notions	513	196.4	194.7	197.6	198.6		146.5	145.4	148.7	149.3	
Groceries and related products	514	738.5	759.1	756.2	753.7		623.5	642.5	637.6	636.1	
Groceries, general line	5141	243.5	243.9	249.3	248.8		-	-	-	-	
Meats and meat products	5147	65.8	64.9	66.1	65.7		-	-	-	-	
Fresh fruits and vegetables	5148	86.4	105.6	93.2	90.5		-	-	-	-	
Chemicals and allied products	516	132.6	130.4	129.2	129.2		96.0	94.0	93.1	94.1	
Petroleum and petroleum products	517	203.3	201.6	196.6	195.8		156.7	155.9	152.3	151.8	
Petroleum bulk stations and terminals	5171	84.5	83.1	80.2	79.8		-	-	-	-	
Petroleum products, nec	5172	118.8	118.5	116.4	116.0		-	-	-	-	
Beer, wine, and distilled beverages	518	147.9	149.1	150.2	150.9		121.9	122.8	123.5	124.0	
Beer and ale	5181	91.8	92.8	93.8	94.4		-	-	-	-	
Wines and distilled beverages	5182	56.1	56.3	56.4	56.5		-	-	-	-	
Miscellaneous nondurable goods	519	431.0	436.5	428.7	433.0		347.2	353.2	346.0	349.0	
Farm supplies	5191	148.5	155.6	141.7	146.0		-	-	-	-	
Retail trade		17,418	17,655	17,872	17,979	18,266	15,470	15,689	15,853	15,946	16,198
Building materials and garden supplies	52	667.9	690.9	672.3	687.7		559.0	581.4	555.4	569.0	
Lumber and other building materials	521	354.8	363.0	364.4	369.7		300.5	307.9	306.2	310.4	
Hardware stores	525	152.6	155.6	154.3	156.4		128.5	131.2	128.3	130.2	
General merchandise stores	53	2,246.4	2,255.1	2,271.4	2,271.3	2,274.3	2,109.2	2,117.4	2,128.8	2,129.9	
Department stores	531	1,896.6	1,900.6	1,911.7	1,909.5	-	1,798.7	1,803.4	1,809.9	1,808.6	
Variety stores	533	220.2	223.4	227.5	229.8		198.6	201.5	205.0	207.4	
Misc. general merchandise stores	539	129.6	131.1	132.2	132.0		111.9	112.5	113.9	113.9	
Food stores	54	2,865.9	2,878.4	2,981.4	2,973.1	2,992.1	2,647.2	2,657.1	2,742.1	2,736.3	
Grocery stores	541	2,498.2	2,510.1	2,594.4	2,586.3	-	2,321.7	2,331.1	2,397.9	2,392.2	
Meat markets and freezer provisioners	542	61.8	63.0	63.9	64.2		-	-	-	-	
Dairy products stores	545	46.3	46.4	48.6	49.6		-	-	-	-	
Retail bakeries	546	161.9	161.7	167.6	167.7		146.0	145.8	152.3	152.3	
Automotive dealers and service stations	55	1,917.6	1,932.6	1,962.0	1,969.2	1,979.9	1,599.8	1,614.5	1,639.5	1,646.9	
New and used car dealers	551,2	931.0	932.4	951.8	952.6	-	773.6	774.1	787.6	788.4	
Auto and home supply stores	553	299.1	304.0	304.0	306.9		238.8	244.1	244.5	247.0	
Gasoline service stations	554	600.2	603.8	617.2	616.1		517.8	521.8	537.0	537.0	

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^P	Apr. 1987 ^P	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^P	Apr. 1987 ^P
Retail trade—Continued											
Apparel and accessory stores	56	1,049.3	1,058.7	1,081.5	1,086.1		882.3	891.4	909.5	914.6	
Men's and boys' clothing and furnishings	561	108.6	108.4	109.8	109.3		90.1	90.1	90.0	89.0	
Women's ready-to-wear stores	562	384.9	390.8	394.7	396.3		326.0	332.2	334.9	336.9	
Family clothing stores	565	217.0	218.3	224.0	226.3		187.3	188.5	193.1	194.7	
Shoe stores	566	210.5	211.9	210.0	210.6		169.6	170.8	168.1	170.3	
Furniture and home furnishings stores	57	770.4	772.3	803.7	804.3		640.4	640.5	666.9	666.3	
Furniture and home furnishings stores	571	427.2	429.4	451.3	452.5		350.9	352.4	371.0	372.1	
Furniture stores	5712	268.3	269.8	283.0	285.0		-	-	-	-	
Household appliance stores	572	86.7	85.8	87.1	89.2		73.7	72.8	73.7	75.6	
Radio, television, and music stores	573	256.5	257.1	265.3	262.6		215.8	215.3	222.2	218.6	
Radio and television stores	5732	186.4	185.9	193.0	190.9		-	-	-	-	
Music stores	5733	70.1	71.2	72.3	71.7		-	-	-	-	
Eating and drinking places	58	5,692.1	5,859.4	5,822.9	5,930.0	6,122.6	5,158.4	5,319.1	5,293.5	5,386.6	
Miscellaneous retail	59	2,208.6	2,207.9	2,277.1	2,256.9		1,873.4	1,868.0	1,917.5	1,896.4	
Drug stores and proprietary stores	591	555.4	555.7	576.2	579.1		474.9	474.2	489.0	491.5	
Liquor stores	592	127.9	128.6	129.0	128.6		-	-	-	-	
Miscellaneous shopping goods stores	594	729.1	728.9	751.3	741.6		610.3	608.7	629.1	619.0	
Sporting goods and bicycle shops	5941	123.6	123.3	130.1	128.5		-	-	-	-	
Book stores	5942	77.3	76.9	80.2	79.4		-	-	-	-	
Stationery stores	5943	76.9	76.7	78.1	78.0		-	-	-	-	
Jewelry stores	5944	147.3	146.3	148.1	145.2		-	-	-	-	
Gift, novelty, and souvenir shops	5947	130.7	131.7	131.0	128.1		-	-	-	-	
Sewing, needlework, and piece goods	5949	67.5	68.3	69.2	69.2		-	-	-	-	
Nonstore retailers	596	257.4	254.6	252.9	254.0		232.1	229.6	227.6	227.9	
Mail order houses	5961	122.1	120.3	120.5	119.6		-	-	-	-	
Merchandising machine operators	5962	81.8	81.9	83.1	83.1		-	-	-	-	
Fuel and ice dealers	598	112.6	110.3	121.1	119.8		94.8	92.4	101.0	99.5	
Retail stores, nec	599	348.0	350.4	365.6	351.6		288.3	289.3	299.2	287.1	
Finance, insurance, and real estate³		6,144	6,203	6,462	6,501	6,554	4,530	4,580	4,751	4,780	4,827
Finance		3,089	3,111	3,239	3,257	3,276					
Banking	60	1,742.4	1,746.2	1,751.4	1,753.3		1,269.2	1,271.4	1,264.1	1,264.4	
Commercial and stock savings banks	602	1,571.7	1,574.2	1,572.5	1,573.1		1,139.4	1,141.1	1,130.6	1,129.7	
State banks, Federal Reserve	6022	342.2	342.9	350.0	349.8		-	-	-	-	
State banks, not Federal Reserve	6023,4	381.7	382.8	383.7	384.3		-	-	-	-	
Mutual savings banks	603	82.1	82.6	86.5	87.0		-	-	-	-	
Credit agencies other than banks	61	808.7	821.3	887.9	895.6		614.7	624.9	673.9	678.6	
Savings and loan associations	612	364.4	367.8	392.3	394.7		278.6	281.0	300.5	301.8	
Federal savings and loan associations	6122	204.9	206.9	221.2	222.7		-	-	-	-	
State associations, insured	6123	148.7	150.0	159.4	160.1		-	-	-	-	
Personal credit institutions	614	228.3	229.4	237.8	238.3		179.2	180.2	186.8	187.6	
Business credit institutions	615	53.4	53.7	54.8	56.2		-	-	-	-	
Mortgage bankers and brokers	616	138.8	146.2	178.2	181.5		-	-	-	-	
Security, commodity brokers, and services	62	369.9	375.1	413.9	420.8						
Security brokers and dealers	621	295.4	299.5	330.2	336.4						
Holding and other investment offices	67	167.7	168.3	185.6	187.3						
Insurance		1,898	1,906	2,005	2,014	2,020					
Insurance carriers	63	1,311.8	1,315.5	1,364.6	1,369.7		889.9	893.0	916.1	920.0	
Life insurance	631	555.5	555.9	562.2	562.2		338.2	338.4	338.8	339.2	
Medical service and health insurance	632	178.4	178.4	186.5	186.6		144.8	144.8	151.5	151.4	
Fire, marine, and casualty insurance	633	485.1	487.2	512.5	516.3		335.6	337.6	346.7	348.6	
Title insurance	636	54.4	55.3	61.1	61.9		-	-	-	-	
Insurance agents, brokers, and service	64	586.1	590.3	640.4	644.5						

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Finance, insurance, and real estate—Continued											
Real estate, and combined real estate, insurance, etc		1,157	1,186	1,218	1,230	1,258					
Real estate	65	1,142.9	1,172.3	1,204.9	1,216.3						
Real estate operators and lessors	651	498.5	510.8	503.2	511.2						
Real estate agents and managers	653	480.9	485.6	522.0	524.1						
Subdividers and developers	655	136.3	148.3	146.4	147.3						
Combined real estate, insurance, etc	66	14.0	14.1	13.5	13.4						
Services		22,593	22,871	23,491	23,720	23,966	19,858	20,104	20,550	20,756	20,990
Hotels and other lodging places	70	1,306.3	1,330.0	1,333.7	1,357.2		-	-	-	-	
Hotels, motels, and tourist courts	701	1,273.6	1,294.0	1,301.7	1,324.4		1,141.8	1,158.1	1,154.2	1,176.9	
Personal services	72	1,123.8	1,133.1	1,160.3	1,167.6		-	-	-	-	
Laundry, cleaning, and garment services	721	389.8	392.4	404.7	406.2		347.7	349.8	359.4	361.3	
Photographic studios, portrait	722	51.1	51.7	58.4	58.0		-	-	-	-	
Beauty shops	723	345.1	348.2	356.1	356.3		312.4	315.2	320.6	319.1	
Funeral service and crematories	726	75.5	76.2	77.8	77.6		-	-	-	-	
Business services	73	4,651.1	4,707.6	4,947.3	5,003.2	5,028.8	4,010.6	4,052.5	4,235.4	4,288.7	
Advertising	731	192.5	192.8	192.8	192.8	-	141.4	141.6	141.8	141.8	
Advertising agencies	7311	144.3	144.3	144.3	143.9		-	-	-	-	
Credit reporting and collection	732	92.5	95.5	102.2	104.0		-	-	-	-	
Mailing, reproduction, and stenographic	733	198.1	200.8	209.8	213.2		-	-	-	-	
Services to buildings	734	683.2	696.5	702.1	707.6		610.6	624.8	636.0	641.2	
Personnel supply services	736	959.5	974.2	1,070.7	1,107.0		-	-	-	-	
Employment agencies	7361	169.7	169.9	199.9	208.1		-	-	-	-	
Temporary help supply services	7362	743.4	757.9	825.6	853.1		-	-	-	-	
Computer and data processing services	737	573.5	574.3	605.6	609.8		467.9	464.8	477.8	480.3	
Computer programming and software	7372	208.3	209.3	222.5	225.4		-	-	-	-	
Data processing services	7374	268.2	267.5	283.3	285.2		-	-	-	-	
Miscellaneous business services	739	1,943.1	1,964.7	2,054.8	2,059.3		-	-	-	-	
Research development laboratories, nec	7391	188.5	189.2	198.2	199.4		-	-	-	-	
Management and public relations	7392	537.8	549.2	579.8	589.9		-	-	-	-	
Detective and protective services	7393	437.9	438.0	451.5	453.9		-	-	-	-	
Equipment rental and leasing	7394	181.4	183.2	188.4	189.3		-	-	-	-	
Photofinishing laboratories	7395	76.4	77.5	77.4	77.7		-	-	-	-	
Auto repair, services, and garages	75	746.0	751.9	780.2	786.5		623.7	628.6	653.6	653.8	
Automotive rentals, without drivers	751	155.7	157.1	171.5	174.7		-	-	-	-	
Automotive repair shops	753	452.0	456.3	461.8	466.1		375.9	378.1	384.5	382.8	
Miscellaneous repair services	76	328.5	329.0	325.5	327.7		273.3	273.1	269.8	271.1	
Electrical repair shops	762	103.8	103.3	106.8	107.2		-	-	-	-	
Motion pictures	78	220.0	218.7	222.7	225.6		187.6	186.5	187.9	190.6	
Motion picture production and services	781	111.0	103.5	116.9	118.1		93.5	86.7	95.2	96.7	
Motion picture theaters	783	97.9	103.9	94.6	96.5		-	-	-	-	
Amusement and recreation services	79	771.0	864.4	852.0	882.8		675.4	767.2	732.4	760.7	
Health services	80	6,484.3	6,504.7	6,767.2	6,800.4	6,827.2	5,760.6	5,778.3	6,013.4	6,040.8	
Offices of physicians	801	994.0	999.0	1,058.0	1,065.0	-	822.5	826.0	871.8	875.5	
Offices of dentists	802	450.4	452.9	470.2	473.7		396.4	399.0	414.7	417.7	
Nursing and personal care facilities	805	1,261.1	1,263.5	1,316.1	1,321.5		1,138.4	1,141.0	1,189.2	1,194.0	
Skilled nursing care facilities	8051	829.8	831.1	864.5	867.8		-	-	-	-	
Nursing and personal care, nec	8059	431.3	432.4	451.6	453.7		-	-	-	-	
Hospitals	806	3,018.2	3,020.8	3,095.0	3,103.4		2,750.8	2,753.2	2,823.0	2,830.3	
General medical and surgical hospitals	8062	2,834.3	2,837.0	2,905.3	2,912.9		-	-	-	-	
Psychiatric hospitals	8063	58.6	58.6	60.4	60.6		-	-	-	-	
Specialty hospitals, excluding psychiatric	8069	125.3	125.2	129.3	129.9		-	-	-	-	
Medical and dental laboratories	807	124.4	125.6	136.0	137.6		-	-	-	-	
Outpatient care facilities	808	237.4	239.8	259.1	261.8		-	-	-	-	

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Services—Continued											
Legal services	81	710.5	713.3	762.4	764.6		602.2	603.0	639.6	642.0	
Educational services	82	1,465.6	1,457.6	1,462.5	1,474.8						
Elementary and secondary schools	821	399.7	399.2	394.6	396.5						
Colleges and universities	822	924.9	917.2	924.3	932.4						
Correspondence and vocational schools	824	69.2	68.6	69.0	69.9						
Social services	83	1,411.5	1,423.3	1,477.6	1,490.4						
Individual and family services	832	273.9	277.3	298.7	301.5						
Job training and related services	833	212.9	214.4	220.9	223.4						
Residential care	836	304.4	305.5	319.4	321.6						
Museums, botanical and zoological gardens	84	41.9	43.6	44.8	45.9						
Membership organizations	86	1,508.8	1,512.4	1,502.8	1,509.7						
Business associations	861	89.2	89.7	89.0	89.4						
Labor organizations	863	143.1	143.0	142.9	143.1						
Civic and social associations	864	331.3	332.6	328.9	331.6						
Miscellaneous services	89	1,299.5	1,302.0	1,328.7	1,335.8		1,066.3	1,067.3	1,080.2	1,087.0	
Engineering and architectural services	891	697.5	701.2	711.6	713.9		588.7	591.8	596.0	598.9	
Noncommercial research organizations	892	119.6	120.2	122.2	124.1		-	-	-	-	
Accounting, auditing, and bookkeeping	893	455.4	453.4	467.3	470.1		362.4	359.7	366.3	368.1	
Government		17,013	17,006	17,178	17,275	17,316					
Federal Government ⁴		2,908	2,908	2,897	2,916	2,931					
Executive, by agency ⁴		2,852.0	2,851.9	2,841.2	-	-					
Department of Defense		988.2	986.4	970.0							
Postal Service ⁵		782.1	785.6	807.8							
Other executive agencies		1,081.7	1,079.9	1,063.4							
Legislative		37.7	37.3	36.8							
Judicial		18.3	18.3	19.0							
Federal government, by industry:											
Manufacturing activities		127.7	126.6	123.6	123.9						
Shipbuilding and repairing	3731	77.3	76.4	73.9	74.4						
Transportation and public utilities, except Postal Service		39.2	39.7	39.6	40.5						
Services		409.5	408.5	408.6	409.8						
Hospitals	806	251.0	249.6	251.2	252.8						
State government		4,029	4,032	4,072	4,088	4,099					
Hospitals	806	456.1	458.3	462.2	464.0	-					
Education	82	1,697.8	1,692.5	1,706.0	1,724.4						
General administration, including executive, legislative, and judicial functions		1,280.6	1,286.3	1,299.3	1,295.4						
Local government		10,076	10,066	10,209	10,271	10,286					
Transportation and public utilities		510.3	512.4	510.3	510.2	-					
Hospitals	806	617.1	616.8	629.4	631.3						
Education	82	5,765.0	5,735.4	5,863.0	5,909.8						
General administration, including executive, legislative, and judicial functions		2,884.5	2,897.6	2,912.8	2,924.0						

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	Jan. 1986	Feb. 1986	Dec. 1986	Jan. 1987	Feb. 1987
Total	44,672	44,906	47,247	46,412	46,628
Total private	36,281	36,311	38,459	37,747	37,818
Goods-producing	6,815	6,825	6,928	6,858	6,875
Mining	119	119	101	100	100
Construction	484	481	524	519	518
Manufacturing	6,212	6,225	6,303	6,239	6,257
Durable goods	3,004	3,004	3,022	2,996	3,003
Lumber and wood products	107	108	117	116	117
Furniture and fixtures	153	154	158	159	159
Stone, clay, and glass products	112	112	114	113	113
Primary metal industries	102	102	100	100	101
Fabricated metal products	321	321	326	323	323
Machinery, except electrical	464	462	447	445	448
Electrical and electronic equipment	905	902	902	893	889
Transportation equipment	367	368	382	379	384
Instruments and related products	310	310	307	305	305
Miscellaneous manufacturing	163	165	170	163	166
Nondurable goods	3,208	3,221	3,281	3,243	3,254
Food and kindred products	482	484	518	497	494
Tobacco manufactures	23	22	21	21	20
Textile mill products	337	339	350	347	347
Apparel and other textile products	902	906	897	890	897
Paper and allied products	165	165	171	168	168
Printing and publishing	617	621	643	641	644
Chemicals and allied products	284	285	287	287	289
Petroleum and coal products	26	26	24	23	23
Rubber and misc. plastics products	278	279	282	282	284
Leather and leather products	95	94	89	88	88
Service-producing	37,857	38,081	40,319	39,554	39,753
Transportation and public utilities	1,469	1,469	1,530	1,525	1,527
Wholesale trade	1,669	1,677	1,732	1,713	1,718
Retail trade	9,148	9,015	10,039	9,493	9,391
Finance, insurance, and real estate	3,754	3,777	4,024	4,029	4,045
Services	13,426	13,548	14,206	14,129	14,262
Government	8,391	8,595	8,788	8,665	8,810
Federal	1,021	1,026	1,028	1,027	1,030
State	1,829	1,898	1,928	1,888	1,940
Local	5,541	5,671	5,832	5,750	5,840

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)

Industry	1986										1987			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	Apr. ^P	
Total	99,783	99,918	99,843	100,105	100,283	100,560	100,826	101,068	101,322	101,626	101,854	102,009	102,325	
Total private	83,072	83,198	83,161	83,508	83,655	83,786	83,956	84,178	84,394	84,708	84,948	85,054	85,311	
Goods-producing	25,038	24,965	24,854	24,869	24,888	24,858	24,865	24,891	24,920	25,008	25,038	25,004	25,046	
Mining	821	790	772	768	753	743	746	742	738	731	733	735	740	
Oil and gas extraction	488	461	446	442	431	422	423	420	414	412	415	418	424	
Construction	4,972	4,974	4,947	4,980	5,012	5,010	5,001	4,993	4,996	5,109	5,094	5,059	5,082	
General building contractors	1,315	1,314	1,299	1,299	1,306	1,301	1,302	1,307	1,298	1,333	1,321	1,307	1,289	
Manufacturing	19,245	19,201	19,135	19,121	19,123	19,105	19,118	19,156	19,186	19,168	19,211	19,210	19,224	
Durable goods	11,415	11,378	11,307	11,294	11,302	11,271	11,266	11,282	11,289	11,265	11,300	11,293	11,293	
Lumber and wood products	719	719	721	724	729	734	737	743	749	754	756	755	758	
Furniture and fixtures	494	496	496	498	499	500	500	500	500	503	503	505	507	
Stone, clay, and glass products	600	599	597	593	592	594	590	591	594	595	598	595	597	
Primary metal industries	785	780	761	758	751	749	749	751	752	741	751	758	759	
Blast furnaces and basic steel products	291	288	286	285	272	270	272	271	270	264	272	279	280	
Fabricated metal products	1,451	1,447	1,440	1,428	1,429	1,433	1,429	1,427	1,431	1,430	1,429	1,429	1,432	
Machinery, except electrical	2,111	2,100	2,089	2,079	2,072	2,044	2,039	2,036	2,030	2,029	2,043	2,043	2,048	
Electrical and electronic equipment	2,177	2,175	2,143	2,169	2,168	2,162	2,167	2,166	2,164	2,156	2,153	2,141	2,144	
Transportation equipment	1,986	1,972	1,974	1,969	1,985	1,979	1,979	1,993	1,990	1,979	1,990	1,986	1,971	
Motor vehicles and equipment	854	839	839	824	839	834	824	837	832	826	838	830	817	
Instruments and related products	723	721	717	713	713	713	713	710	709	709	707	708	707	
Miscellaneous manufacturing	369	369	369	363	364	363	363	365	370	369	370	373	370	
Nondurable goods	7,830	7,823	7,828	7,827	7,821	7,834	7,852	7,874	7,897	7,903	7,911	7,917	7,931	
Food and kindred products	1,633	1,640	1,648	1,645	1,642	1,644	1,644	1,654	1,657	1,654	1,658	1,663	1,665	
Tobacco manufactures	63	62	62	62	59	60	59	61	60	59	60	60	59	
Textile mill products	703	705	707	710	711	709	711	717	719	722	726	728	726	
Apparel and other textile products	1,119	1,113	1,106	1,108	1,108	1,110	1,113	1,112	1,124	1,123	1,115	1,113	1,117	
Paper and allied products	689	689	690	687	685	691	694	694	697	694	695	695	696	
Printing and publishing	1,472	1,474	1,477	1,483	1,481	1,485	1,491	1,493	1,493	1,500	1,505	1,506	1,514	
Chemicals and allied products	1,028	1,024	1,026	1,025	1,026	1,025	1,023	1,023	1,020	1,021	1,020	1,019	1,019	
Petroleum and coal products	166	166	164	163	163	162	161	160	159	159	159	158	158	
Rubber and misc. plastics products	800	796	797	792	794	797	805	809	815	819	820	822	824	
Leather and leather products	157	154	151	152	152	151	151	151	153	152	153	153	153	
Service-producing	74,745	74,953	74,989	75,236	75,395	75,702	75,961	76,177	76,402	76,618	76,816	77,005	77,279	
Transportation and public utilities	5,266	5,265	5,167	5,288	5,255	5,316	5,316	5,351	5,359	5,382	5,394	5,412	5,415	
Transportation	3,040	3,037	3,035	3,057	3,063	3,088	3,094	3,117	3,125	3,140	3,150	3,164	3,169	
Communication and public utilities	2,226	2,228	2,132	2,231	2,192	2,228	2,222	2,234	2,234	2,242	2,244	2,248	2,246	
Wholesale trade	5,864	5,872	5,829	5,849	5,863	5,859	5,864	5,859	5,859	5,864	5,877	5,877	5,882	
Durable goods	3,485	3,488	3,454	3,483	3,485	3,485	3,489	3,489	3,491	3,495	3,499	3,500	3,499	
Nondurable goods	2,379	2,384	2,375	2,366	2,378	2,374	2,375	2,370	2,368	2,369	2,378	2,377	2,383	
Retail trade	17,851	17,911	17,944	17,992	18,030	18,065	18,143	18,197	18,206	18,289	18,368	18,402	18,469	
General merchandise stores	2,342	2,344	2,350	2,354	2,359	2,362	2,379	2,367	2,341	2,333	2,354	2,359	2,362	
Food stores	2,910	2,917	2,932	2,938	2,951	2,952	2,963	2,968	2,979	2,990	3,005	3,006	3,025	
Automotive dealers and service stations	1,940	1,944	1,945	1,950	1,962	1,970	1,973	1,977	1,984	1,988	1,992	1,989	1,988	
Eating and drinking places	5,859	5,889	5,918	5,931	5,923	5,948	5,982	6,006	6,035	6,080	6,104	6,113	6,123	
Finance, insurance, and real estate	6,228	6,261	6,295	6,334	6,364	6,388	6,409	6,429	6,472	6,495	6,519	6,544	6,581	
Finance	3,120	3,137	3,159	3,176	3,192	3,202	3,212	3,220	3,236	3,239	3,249	3,264	3,286	
Insurance	1,910	1,918	1,927	1,945	1,952	1,962	1,971	1,979	1,990	2,002	2,007	2,016	2,024	
Real estate	1,198	1,206	1,209	1,213	1,220	1,224	1,226	1,230	1,246	1,254	1,263	1,264	1,271	
Services	22,825	22,924	23,072	23,176	23,255	23,300	23,359	23,451	23,578	23,670	23,752	23,815	23,918	
Business services	4,750	4,755	4,792	4,835	4,848	4,883	4,908	4,926	4,966	4,990	5,038	5,054	5,074	
Health services	6,511	6,543	6,571	6,601	6,634	6,649	6,677	6,695	6,726	6,757	6,788	6,807	6,834	
Government	16,711	16,720	16,682	16,597	16,628	16,774	16,870	16,890	16,928	16,918	16,906	16,955	17,014	
Federal	2,914	2,899	2,875	2,866	2,875	2,901	2,896	2,899	2,907	2,914	2,917	2,931	2,937	
State	3,938	3,936	3,927	3,921	3,919	3,932	3,959	3,965	3,983	3,983	3,980	3,984	4,003	
Local	9,859	9,885	9,880	9,810	9,834	9,941	10,015	10,026	10,038	10,021	10,009	10,040	10,074	

^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	1986												1987	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
Total	45,127	45,237	45,397	45,556	45,602	45,758	45,906	46,074	46,271	46,440	46,590	46,713	46,862	
Total private	36,767	36,867	37,014	37,142	37,182	37,386	37,508	37,568	37,720	37,869	38,002	38,123	38,292	
Goods-producing	6,889	6,887	6,893	6,885	6,866	6,874	6,872	6,877	6,895	6,914	6,940	6,937	6,941	
Mining	120	118	114	112	108	106	105	102	102	101	101	101	101	
Construction	493	499	505	510	512	517	518	520	522	526	528	530	532	
Manufacturing	6,276	6,270	6,274	6,263	6,246	6,251	6,249	6,255	6,271	6,287	6,311	6,306	6,308	
Durable goods	3,017	3,014	3,019	3,016	2,996	3,003	3,008	3,008	3,013	3,016	3,021	3,010	3,016	
Lumber and wood products	111	112	111	112	113	114	115	115	116	117	118	120	121	
Furniture and fixtures	153	154	154	155	155	155	155	155	156	156	156	158	157	
Stone, clay, and glass products	114	113	114	114	115	115	114	114	113	114	115	115	115	
Primary metal industries	103	102	102	101	99	99	101	101	101	101	101	100	101	
Fabricated metal products	322	322	324	323	324	322	322	325	324	325	326	324	324	
Machinery, except electrical	460	460	461	458	456	454	451	448	448	448	446	444	447	
Electrical and electronic equipment	903	901	902	903	887	901	903	901	903	901	901	893	890	
Transportation equipment	370	369	370	370	369	370	373	374	377	380	382	380	385	
Instruments and related products	311	312	311	310	309	308	308	308	308	306	306	306	306	
Miscellaneous manufacturing	170	169	170	170	169	165	166	167	167	168	170	170	170	
Nondurable goods	3,259	3,256	3,255	3,247	3,250	3,248	3,241	3,247	3,258	3,271	3,290	3,296	3,292	
Food and kindred products	513	513	512	513	517	512	510	511	513	519	523	523	523	
Tobacco manufactures	22	22	22	21	21	21	19	20	20	21	20	20	20	
Textile mill products	342	343	341	343	343	346	345	344	344	347	349	349	350	
Apparel and other textile products	902	899	902	895	892	894	889	890	892	891	902	900	893	
Paper and allied products	168	168	168	168	168	169	168	169	170	171	172	170	171	
Printing and publishing	622	623	626	625	629	632	632	634	637	639	639	644	645	
Chemicals and allied products	287	287	286	287	288	287	288	288	289	289	288	290	291	
Petroleum and coal products	26	26	26	26	25	25	25	25	24	24	24	24	23	
Rubber and misc. plastics products	281	281	279	278	278	274	275	277	281	282	284	287	286	
Leather and leather products	96	94	93	91	89	88	90	89	88	88	89	89	90	
Service-producing	38,238	38,350	38,504	38,671	38,736	38,884	39,034	39,197	39,376	39,526	39,650	39,776	39,921	
Transportation and public utilities	1,478	1,482	1,483	1,486	1,441	1,501	1,482	1,506	1,506	1,519	1,521	1,531	1,536	
Wholesale trade	1,689	1,691	1,707	1,718	1,706	1,715	1,715	1,713	1,712	1,713	1,718	1,720	1,730	
Retail trade	9,313	9,347	9,362	9,383	9,392	9,422	9,479	9,488	9,531	9,563	9,561	9,618	9,701	
Finance, insurance, and real estate	3,796	3,816	3,848	3,878	3,904	3,932	3,957	3,967	3,982	4,003	4,028	4,045	4,065	
Services	13,602	13,644	13,721	13,792	13,873	13,942	14,003	14,017	14,094	14,157	14,234	14,272	14,319	
Government	8,360	8,370	8,383	8,414	8,420	8,372	8,398	8,506	8,551	8,571	8,588	8,590	8,570	
Federal	1,038	1,036	1,034	1,030	1,020	1,017	1,021	1,031	1,030	1,033	1,035	1,039	1,044	
State	1,843	1,847	1,856	1,863	1,868	1,868	1,867	1,861	1,872	1,878	1,885	1,892	1,883	
Local	5,479	5,487	5,493	5,521	5,532	5,487	5,510	5,614	5,649	5,660	5,668	5,659	5,643	

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 workers¹ on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted

(In thousands)

Industry	1986									1987			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	Apr. ^P
Total private	67,167	67,261	67,223	67,517	67,632	67,742	67,854	68,076	68,255	68,463	68,703	68,777	68,975
Goods-producing	17,546	17,475	17,388	17,395	17,429	17,407	17,408	17,452	17,483	17,552	17,581	17,550	17,586
Mining	573	547	535	533	526	520	522	523	520	511	516	519	523
Construction	3,913	3,903	3,874	3,901	3,932	3,927	3,912	3,909	3,910	4,010	3,995	3,955	3,970
Manufacturing	13,060	13,025	12,979	12,961	12,971	12,960	12,974	13,020	13,053	13,031	13,070	13,076	13,093
Durable goods	7,547	7,519	7,462	7,441	7,458	7,438	7,435	7,452	7,466	7,440	7,477	7,476	7,482
Lumber and wood products	605	605	606	604	610	615	618	623	627	628	631	631	634
Furniture and fixtures	395	397	397	398	400	401	402	400	401	402	403	405	406
Stone, clay, and glass products	463	462	460	458	456	457	454	455	458	460	463	461	463
Primary metal industries	596	591	574	569	562	560	560	562	563	552	562	569	573
Blast furnaces and basic steel products	224	222	220	220	207	204	206	203	203	196	203	210	212
Fabricated metal products	1,073	1,068	1,062	1,052	1,054	1,058	1,056	1,055	1,060	1,057	1,055	1,056	1,061
Machinery, except electrical	1,263	1,256	1,250	1,240	1,239	1,215	1,211	1,205	1,204	1,203	1,212	1,214	1,220
Electrical and electronic equipment	1,249	1,250	1,224	1,246	1,249	1,245	1,247	1,252	1,251	1,247	1,244	1,236	1,238
Transportation equipment	1,245	1,233	1,233	1,223	1,235	1,235	1,236	1,249	1,245	1,238	1,252	1,246	1,230
Motor vehicles and equipment	658	645	644	629	640	639	630	642	638	637	650	643	630
Instruments and related products	392	390	389	387	389	388	387	385	386	383	384	385	386
Miscellaneous manufacturing	266	267	267	264	264	264	264	266	271	270	271	273	271
Nondurable goods	5,513	5,506	5,517	5,520	5,513	5,522	5,539	5,568	5,587	5,591	5,593	5,600	5,611
Food and kindred products	1,145	1,149	1,160	1,158	1,153	1,157	1,155	1,168	1,168	1,167	1,170	1,174	1,175
Tobacco manufactures	48	47	46	47	43	44	44	46	45	45	45	45	45
Textile mill products	607	610	611	614	615	612	616	622	624	627	632	634	631
Apparel and other textile products	943	938	933	936	935	937	940	940	951	948	940	938	941
Paper and allied products	522	523	524	522	519	523	527	528	531	527	528	528	530
Printing and publishing	820	820	823	828	825	827	832	833	837	841	840	840	846
Chemicals and allied products	572	569	572	572	574	572	571	572	569	571	572	572	571
Petroleum and coal products	103	103	103	102	103	102	102	102	102	102	102	102	103
Rubber and misc. plastics products	623	620	621	617	621	624	628	632	634	636	637	639	642
Leather and leather products	130	127	124	124	125	124	124	125	126	127	127	128	127
Service-producing	49,621	49,786	49,835	50,122	50,203	50,335	50,446	50,624	50,772	50,911	51,122	51,227	51,389
Transportation and public utilities	4,362	4,361	4,270	4,354	4,325	4,387	4,393	4,424	4,441	4,448	4,464	4,482	4,487
Wholesale trade	4,712	4,711	4,674	4,705	4,708	4,700	4,694	4,693	4,694	4,696	4,702	4,707	4,708
Retail trade	15,880	15,939	15,981	16,018	16,045	16,091	16,153	16,187	16,193	16,267	16,326	16,355	16,395
Finance, insurance, and real estate	4,603	4,629	4,651	4,683	4,704	4,716	4,723	4,745	4,771	4,789	4,809	4,823	4,851
Services	20,064	20,146	20,259	20,362	20,421	20,441	20,483	20,575	20,673	20,711	20,821	20,860	20,948

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	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	54.3	54.9	55.1	62.7	62.4
	1987.....	51.6	60.8	^P 52.2	^P 59.2								
Over 3-month span	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	47.3	54.1	54.9	62.4	65.1	63.0
	1987.....	60.5	^P 56.8	^P 60.8									
Over 6-month span	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	45.9	48.6	49.7	55.4	61.1	60.5	61.1	^P 61.1
	1987.....	^P 64.9											
Over 12-month span	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	51.1	52.2	52.4	52.7	54.6	53.5	54.3	^P 57.3	^P 57.0		
	1987.....												

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Alabama	1,447.9	1,465.4	1,466.7	13.2	11.9	11.7	74.1	74.1	75.3
Birmingham	380.3	382.0	385.5	6.3	6.1	6.0	22.3	23.2	23.8
Huntsville	114.8	118.2	119.2	.1	.1	.1	4.5	4.7	5.0
Mobile	157.1	158.3	158.9	.8	.4	.4	10.3	9.2	9.4
Montgomery	119.5	122.3	122.4	.1	.1	.1	8.9	9.4	9.4
Tuscaloosa	56.1	57.6	57.7	2.9	2.7	2.7	2.7	2.8	2.8
Alaska	215.7	206.0	206.5	9.7	8.4	8.4	10.6	9.4	9.4
Arizona	1,333.1	1,374.7	1,377.6	11.2	11.0	11.0	111.6	105.8	105.1
Phoenix	879.0	904.5	905.7	.5	.6	.6	78.5	71.5	70.9
Tucson	241.1	244.1	244.9	2.0	1.6	1.6	21.2	21.2	21.1
Arkansas	804.8	817.7	823.9	4.7	4.0	4.2	34.0	32.5	33.3
Fayetteville-Springdale	44.5	45.1	45.4	(¹)	(¹)	(¹)	2.0	1.7	1.8
Fort Smith	71.1	72.7	73.3	1.1	.9	.9	2.8	2.8	2.9
Little Rock-North Little Rock	223.1	224.7	225.9	.4	.4	.4	11.1	11.0	11.4
Pine Bluff	32.3	31.8	31.4	(¹)	(¹)	(¹)	2.8	1.8	1.3
California	11,131.9	11,417.5	11,498.6	46.5	39.0	38.8	484.1	522.9	530.8
Anaheim-Santa Ana	1,021.2	1,066.2	1,072.0	2.5	2.0	2.0	51.1	54.2	55.0
Bakersfield	157.5	155.3	155.6	15.7	12.0	11.9	9.9	9.4	9.3
Fresno	190.2	199.0	201.1	.8	.7	.7	10.6	11.5	11.8
Los Angeles-Long Beach	3,892.3	3,959.9	3,989.4	11.4	10.4	10.3	121.3	129.5	130.3
Modesto	94.1	99.2	99.2	.1	.1	.1	5.9	6.4	6.4
Oakland	775.4	806.1	810.8	2.6	2.4	2.4	40.4	44.8	45.4
Oxnard-Ventura	188.2	198.1	198.6	3.2	2.7	2.6	9.1	11.0	11.2
Riverside-San Bernardino	552.0	584.2	589.8	1.3	1.2	1.3	39.4	45.6	46.7
Sacramento	507.7	526.2	531.9	.9	.7	.7	26.4	29.0	30.0
Salinas-Seaside-Monterey	99.7	102.8	103.6	.5	.5	.5	3.8	4.2	4.2
San Diego	808.9	839.4	844.5	.7	.8	.8	48.3	54.5	55.4
San Francisco	917.8	924.4	929.4	1.1	1.1	1.1	31.3	31.7	32.1
San Jose	766.2	763.1	766.8	.1	.1	.1	29.9	28.3	29.1
Santa Barbara-Santa Maria-Lompoc	143.6	145.1	145.4	1.5	1.3	1.3	6.3	6.1	6.1
Santa Rosa-Petaluma	114.3	118.6	119.1	.5	.6	.6	6.8	7.1	7.3
Stockton	130.4	134.2	135.8	.1	.1	.1	6.7	7.5	7.9
Vallejo-Fairfield-Napa	116.2	122.4	123.1	.3	.3	.3	6.9	7.5	7.6
Colorado	1,409.6	1,394.5	1,399.0	29.1	24.5	24.2	74.8	69.2	69.5
Boulder-Longmont	103.0	103.9	104.3	.3	.3	.3	4.1	3.6	3.6
Denver	805.0	797.7	799.1	18.9	16.1	16.0	42.2	38.3	38.5
Connecticut	1,571.5	1,613.6	1,626.4	1.5	1.5	1.5	61.5	64.6	66.9
Bridgeport-Milford	190.4	193.5	194.9	(¹)	(¹)	(¹)	6.7	7.4	7.7
Hartford	449.0	467.3	470.1	.2	.2	.3	15.4	17.4	18.0
New Britain	64.3	65.0	65.2	(¹)	(¹)	(¹)	2.9	3.4	3.6
New Haven-Meriden	239.9	245.5	247.4	.2	.2	.2	10.9	11.7	12.1
Stamford	118.9	123.4	124.3	.7	.6	.6	4.9	4.9	5.1
Waterbury	83.2	84.8	85.6	(¹)	(¹)	(¹)	3.3	3.7	3.8
Delaware	292.0	305.3	308.6	.1	.1	.1	17.3	16.6	17.5
Wilmington	253.5	265.8	268.5	.2	.2	.2	15.8	15.8	16.4
District of Columbia	631.4	641.0	644.8	.1	.1	.1	13.2	13.5	13.8
Washington MSA	1,945.1	2,000.6	2,021.1	1.0	.9	.9	112.5	115.5	118.2
Florida	4,584.3	4,758.5	4,800.2	9.8	9.9	9.9	335.9	338.9	340.5
Daytona Beach	106.7	110.9	112.4	(¹)	(¹)	(¹)	7.8	8.4	8.3
Fort Lauderdale-Hollywood-Pompano Beach	445.0	456.5	458.4	.4	.4	.4	36.0	36.4	36.2
Fort Myers-Cape Coral	100.2	110.3	111.9	(¹)	(¹)	(¹)	11.3	12.8	12.8
Gainesville	89.8	92.1	92.3	(¹)	(¹)	(¹)	4.6	4.2	4.1
Jacksonville	370.2	383.4	385.2	.5	.5	.5	28.0	27.4	27.5
Lakeland-Winter Haven	135.8	140.5	141.4	4.3	4.7	4.8	8.2	8.4	8.4
Melbourne-Titusville-Palm Bay	140.0	137.2	137.5	(¹)	(¹)	(¹)	9.3	8.1	8.0
Miami-Hialeah	797.8	808.2	810.9	.9	.9	.9	39.4	38.1	38.4
Orlando	438.9	464.9	471.0	(¹)	(¹)	(¹)	34.1	34.2	34.0
Pensacola	119.2	120.6	121.7	.4	.3	.3	10.1	10.1	10.0
Sarasota	97.6	100.4	101.6	(¹)	(¹)	(¹)	10.0	9.6	9.9
Tallahassee	101.5	106.1	106.8	(¹)	(¹)	(¹)	4.8	5.8	5.9
Tampa-St. Petersburg-Clearwater	758.8	781.7	784.9	.7	.7	.7	60.2	62.6	62.9
West Palm Beach-Boca Raton-Delray Beach	301.8	322.9	323.5	(¹)	(¹)	(¹)	26.7	30.3	30.2

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Alabama	353.3	354.6	350.0	71.5	70.7	70.9	312.3	321.1	323.8
Birmingham	56.3	51.7	52.3	27.4	27.5	27.6	94.3	96.4	97.7
Huntsville	30.7	30.3	30.4	2.6	2.7	2.7	21.8	22.4	22.5
Mobile	25.6	26.8	26.5	9.6	9.0	9.1	41.9	43.6	44.1
Montgomery	17.5	17.7	17.7	4.7	4.7	4.7	26.3	27.8	27.8
Tuscaloosa	8.8	9.1	9.2	1.9	2.1	2.1	11.3	11.7	11.7
Alaska	9.2	9.3	9.5	17.0	17.1	17.2	42.9	40.2	40.2
Arizona	181.3	184.6	184.3	64.3	69.2	69.7	323.2	334.3	334.6
Phoenix	130.1	133.5	133.3	42.2	46.1	46.2	222.0	229.3	229.3
Tucson	31.6	30.8	30.7	9.2	9.8	9.8	53.0	54.5	54.5
Arkansas	210.1	213.3	213.9	47.5	48.7	49.2	181.0	182.6	185.1
Fayetteville-Springdale	9.8	10.2	10.2	3.9	3.9	4.0	10.4	10.6	10.7
Fort Smith	24.0	25.4	25.7	3.5	3.8	3.8	15.4	15.4	15.4
Little Rock-North Little Rock	33.2	31.3	31.3	15.1	14.6	14.7	54.0	54.5	54.6
Pine Bluff	5.9	6.2	6.2	2.8	2.7	2.7	6.3	6.3	6.2
California	2,045.1	2,053.7	2,064.3	565.8	577.4	580.1	2,650.4	2,742.1	2,756.0
Anaheim-Santa Ana	238.5	243.2	243.4	33.3	34.7	34.7	253.2	269.1	271.1
Bakersfield	10.0	10.2	10.3	8.1	8.2	8.1	39.0	39.9	39.7
Fresno	19.1	20.3	20.8	9.6	10.3	10.3	48.9	51.1	51.4
Los Angeles-Long Beach	888.8	890.6	895.9	201.6	201.9	203.3	905.9	930.5	936.7
Modesto	19.5	20.4	20.3	4.2	4.2	4.2	23.7	25.4	25.4
Oakland	100.6	102.3	102.8	52.7	55.4	55.3	195.2	202.2	203.0
Oxnard-Ventura	28.0	29.5	29.3	8.3	10.1	10.2	47.8	50.0	50.1
Riverside-San Bernardino	72.6	76.5	77.6	29.5	30.8	31.1	138.2	145.0	145.2
Sacramento	36.0	37.4	38.2	23.0	23.8	23.9	123.0	127.9	128.8
Salinas-Seaside-Monterey	8.7	9.1	9.6	4.7	4.8	4.8	26.5	27.0	27.0
San Diego	122.2	120.6	120.5	31.8	32.6	32.7	192.5	199.5	200.5
San Francisco	78.0	76.8	77.3	80.5	79.1	79.2	210.6	217.2	217.3
San Jose	267.0	258.6	258.7	21.5	20.9	21.0	147.8	151.4	151.5
Santa Barbara-Santa Maria-Lompoc	24.3	22.9	22.8	5.5	5.3	5.2	33.6	34.3	34.5
Santa Rosa-Petaluma	17.6	18.0	18.0	5.3	5.6	5.6	29.8	31.3	31.2
Stockton	20.3	20.8	21.2	8.1	8.2	8.4	30.4	31.1	31.2
Vallejo-Fairfield-Napa	10.6	11.8	11.9	4.4	4.4	4.4	27.2	29.8	29.9
Colorado	185.0	181.9	181.9	87.6	88.3	88.5	346.8	344.4	344.1
Boulder-Longmont	27.9	28.4	28.4	2.4	2.3	2.3	22.6	22.6	22.7
Denver	97.4	93.8	93.9	62.7	63.9	64.1	200.3	200.3	199.8
Connecticut	397.8	394.5	394.4	68.8	70.5	71.1	347.4	359.8	363.0
Bridgeport-Milford	61.0	60.4	60.5	7.2	7.6	7.6	43.9	44.3	44.5
Hartford	92.7	94.2	94.3	17.0	17.3	17.4	95.0	97.7	98.9
New Britain	23.0	21.2	20.9	3.2	3.2	3.3	12.4	13.2	13.3
New Haven-Meriden	47.4	47.8	47.6	17.8	17.9	18.1	54.8	56.2	56.6
Stamford	25.9	25.0	24.9	4.7	4.8	4.9	28.0	29.5	29.7
Waterbury	25.7	24.6	24.6	3.1	3.1	3.1	16.1	16.8	17.0
Delaware	67.2	68.8	68.7	12.1	12.6	12.7	63.4	67.9	68.5
Wilmington	57.3	58.8	58.9	13.1	13.8	13.9	53.0	56.2	56.6
District of Columbia	15.3	15.6	15.6	24.3	24.4	24.4	61.1	61.8	62.6
Washington MSA	85.0	85.6	85.6	91.7	96.1	96.3	389.7	403.4	407.2
Florida	517.3	525.1	525.0	244.9	246.3	247.4	1,235.4	1,297.9	1,312.9
Daytona Beach	12.5	12.6	12.9	3.4	3.3	3.3	30.9	31.9	33.1
Fort Lauderdale-Hollywood-Pompano Beach	42.8	43.9	44.1	21.2	21.9	22.4	132.0	135.3	135.9
Fort Myers-Cape Coral	4.9	5.5	5.6	4.6	5.0	5.0	30.6	33.9	34.4
Gainesville	5.5	5.5	5.5	1.7	1.7	1.7	19.6	20.6	20.7
Jacksonville	37.5	38.1	38.0	26.8	27.4	27.6	97.9	103.0	103.2
Lakeland-Winter Haven	21.6	22.1	21.9	6.0	6.1	6.1	37.5	39.5	39.8
Melbourne-Titusville-Palm Bay	27.9	26.9	27.1	5.9	5.4	5.5	31.8	32.0	31.9
Miami-Hialeah	94.1	91.9	92.0	66.7	66.0	65.6	211.2	218.1	218.9
Orlando	50.2	53.6	53.5	23.4	24.5	24.7	113.7	119.0	120.6
Pensacola	11.1	11.1	11.2	6.2	6.4	6.5	30.5	30.6	31.1
Sarasota	7.8	8.2	8.3	3.5	3.6	3.5	29.6	29.7	29.9
Tallahassee	4.3	4.6	4.6	2.8	2.8	2.9	21.0	22.6	22.7
Tampa-St. Petersburg-Clearwater	90.3	89.3	89.2	37.5	36.9	37.0	210.0	215.7	217.0
West Palm Beach-Boca Raton-Delray Beach	37.0	36.8	36.5	10.8	11.7	11.5	79.9	85.8	86.2

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Alabama	67.7	70.2	70.2	255.2	263.1	265.2	300.6	299.7	299.6
Birmingham	28.0	28.5	28.5	86.3	88.7	89.7	59.4	59.9	59.9
Huntsville	3.3	3.4	3.4	23.6	25.9	26.2	28.2	28.7	28.9
Mobile	7.6	7.4	7.5	33.6	33.8	33.9	27.7	28.1	28.0
Montgomery	7.0	7.3	7.3	23.6	24.2	24.1	31.4	31.1	31.3
Tuscaloosa	1.9	2.0	2.0	7.6	7.9	8.0	19.0	19.3	19.2
Alaska	12.6	12.2	12.1	43.9	41.5	41.9	69.8	67.9	67.8
Arizona	87.3	91.2	91.5	322.4	339.2	340.3	231.8	239.4	241.1
Phoenix	68.8	72.0	72.0	218.5	228.8	229.3	118.4	122.7	124.1
Tucson	12.2	12.6	12.8	61.0	62.8	63.4	50.9	50.8	51.0
Arkansas	36.9	37.3	37.7	143.0	149.3	150.9	147.6	150.0	149.6
Fayetteville-Springdale	1.5	1.4	1.4	6.2	6.4	6.4	10.7	10.9	10.9
Fort Smith	2.7	2.7	2.7	14.2	14.3	14.6	7.4	7.4	7.3
Little Rock-North Little Rock	14.9	15.3	15.4	48.8	51.3	51.8	45.6	46.3	46.3
Pine Bluff	1.5	1.6	1.7	5.6	5.8	5.9	7.4	7.4	7.4
California	751.7	778.2	781.9	2,731.3	2,819.2	2,848.4	1,857.0	1,885.0	1,898.3
Anaheim-Santa Ana	82.2	84.7	84.3	246.4	261.7	264.3	114.0	116.6	117.2
Bakersfield	6.2	6.3	6.3	30.1	30.8	31.1	38.5	38.5	38.9
Fresno	13.4	13.9	14.0	42.3	45.9	45.9	45.5	45.3	46.2
Los Angeles-Long Beach	271.2	278.7	280.5	1,000.5	1,022.8	1,033.8	491.6	495.5	498.6
Modesto	4.5	4.6	4.6	20.1	21.1	21.2	16.1	17.0	17.0
Oakland	48.5	53.9	54.3	177.3	183.2	185.0	158.1	161.9	162.6
Oxnard-Ventura	9.9	10.4	10.4	42.0	43.7	44.1	39.9	40.7	40.7
Riverside-San Bernardino	22.6	24.5	24.7	130.5	137.1	139.0	117.9	123.5	124.2
Sacramento	29.5	31.2	31.5	107.1	111.2	112.3	161.8	165.0	166.5
Salinas-Seaside-Monterey	4.8	5.1	5.1	24.2	25.4	25.3	26.5	26.7	27.1
San Diego	54.7	58.0	58.1	207.3	217.6	219.7	151.4	155.8	156.8
San Francisco	114.1	112.2	112.4	266.1	269.6	272.1	136.1	136.7	137.9
San Jose	33.0	33.0	33.1	183.3	185.7	188.5	83.6	85.1	84.8
Santa Barbara-Santa Maria-Lompoc	7.9	8.0	8.1	37.6	39.4	39.5	26.9	27.8	27.9
Santa Rosa-Petaluma	7.8	8.1	8.2	25.0	26.0	26.2	21.5	21.9	22.0
Stockton	8.0	8.2	8.2	27.9	28.3	28.3	28.9	30.0	30.5
Vallejo-Fairfield-Napa	4.5	4.7	4.7	25.6	27.1	27.3	36.7	36.8	37.0
Colorado	97.5	97.1	97.0	328.2	327.3	329.4	260.6	261.8	264.4
Boulder-Longmont	3.8	3.9	3.9	20.5	21.5	21.6	21.4	21.3	21.5
Denver	65.2	65.1	65.2	195.0	195.0	195.5	123.3	125.2	126.1
Connecticut	135.4	143.0	143.6	361.2	379.0	382.4	197.9	200.7	203.5
Bridgeport-Milford	10.1	11.1	11.2	43.1	44.5	45.2	18.4	18.2	18.2
Hartford	71.9	77.4	77.6	99.2	104.1	104.5	57.6	59.0	59.1
New Britain	3.6	4.0	4.0	12.4	13.2	13.3	6.8	6.8	6.8
New Haven-Meriden	14.3	14.7	14.7	63.7	66.0	66.9	30.8	31.0	31.2
Stamford	10.7	11.5	11.6	34.3	36.9	37.3	9.7	10.2	10.2
Waterbury	3.8	4.1	4.1	19.9	20.3	20.6	11.3	12.2	12.4
Delaware	21.7	24.2	24.4	64.0	68.9	69.9	46.3	46.1	46.8
Wilmington	19.6	22.3	22.4	57.4	61.6	62.2	37.2	37.1	37.9
District of Columbia	35.8	36.8	37.0	216.2	226.3	228.2	265.3	262.4	263.1
Washington MSA	110.7	117.5	118.4	598.5	625.5	633.1	556.0	556.1	561.4
Florida	331.9	349.6	351.6	1,201.3	1,261.9	1,279.5	707.8	728.9	733.4
Daytona Beach	6.3	6.6	6.6	28.6	30.0	30.0	17.2	18.1	18.2
Fort Lauderdale-Hollywood-Pompano Beach ..	36.2	37.8	38.0	121.6	124.2	124.7	54.8	56.6	56.7
Fort Myers-Cape Coral	7.5	8.3	8.5	26.5	29.5	30.1	14.6	15.2	15.4
Gainesville	4.1	3.9	3.9	19.9	20.9	21.1	34.3	35.2	35.2
Jacksonville	34.7	36.2	36.4	88.3	92.8	93.9	56.5	58.0	58.1
Lakeland-Winter Haven	7.9	8.0	8.0	31.7	32.7	33.4	18.6	19.0	19.0
Melbourne-Titusville-Palm Bay	5.0	5.2	5.2	40.2	39.4	39.6	19.8	20.1	20.1
Miami-Hialeah	65.8	69.1	69.3	215.1	217.3	218.1	104.6	106.8	107.7
Orlando	29.0	31.3	31.6	137.4	148.0	152.0	51.0	54.2	54.5
Pensacola	5.3	5.5	5.6	28.0	28.8	29.1	27.6	27.8	27.9
Sarasota	8.0	8.1	8.1	27.1	29.0	29.7	11.6	12.1	12.1
Tallahassee	4.4	4.5	4.5	20.4	20.5	20.6	43.5	45.1	45.4
Tampa-St. Petersburg-Clearwater	60.1	62.9	63.4	203.6	212.9	213.8	96.4	100.7	100.9
West Palm Beach-Boca Raton-Delray Beach ..	25.0	27.1	27.2	86.1	92.3	93.0	36.3	38.9	38.9

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Georgia ..	2,624.2	2,723.4	2,734.5	8.2	8.8	8.9	147.4	157.8	155.1
Albany ..	49.2	48.6	48.7	(¹)	(¹)	(¹)	2.2	2.2	2.2
Athens ..	60.7	62.8	63.3	.1	.2	.2	2.4	2.5	2.6
Atlanta ..	1,299.1	1,366.6	1,372.2	1.3	1.7	1.7	73.1	82.6	80.0
Augusta ..	148.9	152.4	152.3	.5	.5	.5	9.1	8.4	8.4
Columbus ..	88.6	90.3	90.4	.1	.1	.1	5.3	5.2	5.2
Macon-Warner Robins ..	114.4	117.0	117.3	.1	.1	.1	4.9	5.1	5.1
Savannah ..	96.8	101.0	101.3	(¹)	(¹)	(¹)	6.3	7.7	7.3
Hawaii ..	436.4	447.0	450.6	(¹)	(¹)	(¹)	17.3	21.5	21.5
Honolulu ..	350.2	358.1	361.3	(¹)	(¹)	(¹)	14.2	17.4	17.7
Idaho ..	327.7	331.2	333.5	2.9	2.4	2.5	12.5	12.2	12.9
Boise City ..	84.8	85.9	86.6	(²)	(²)	(²)	4.4	4.2	4.4
Illinois ..	4,714.5	4,777.3	4,794.3	24.6	23.5	23.6	151.2	152.5	158.4
Aurora-Elgin ..	126.7	131.5	132.1	(¹)	(¹)	(¹)	4.3	4.6	4.6
Bloomington-Normal ..	53.3	53.7	54.0	(¹)	(¹)	(¹)	1.0	.9	1.1
Champaign-Urbana-Rantoul ..	82.8	82.6	83.6	(¹)	(¹)	(¹)	1.9	2.0	2.0
Chicago ..	2,908.7	2,944.1	2,955.3	2.9	3.1	3.2	96.7	103.6	107.1
Davenport-Rock Island-Moline ..	153.0	152.4	153.1	(¹)	(¹)	(¹)	4.3	4.3	4.4
Decatur ..	50.2	49.0	49.2	(¹)	(¹)	(¹)	1.6	1.5	1.5
Joliet ..	93.3	92.5	92.7	(¹)	(¹)	(¹)	3.8	3.8	3.8
Kankakee ..	32.0	32.2	32.5	(¹)	(¹)	(¹)	1.0	1.1	1.1
Lake County ..	168.4	171.1	173.0	(¹)	(¹)	(¹)	5.3	5.2	5.4
Peoria ..	130.9	130.4	130.4	(¹)	(¹)	(¹)	4.7	4.7	4.9
Rockford ..	122.1	123.3	120.7	(¹)	(¹)	(¹)	2.9	3.1	3.2
Springfield ..	93.0	92.0	92.1	(¹)	(¹)	(¹)	2.0	2.0	2.0
Indiana ..	2,178.0	2,241.6	2,260.5	8.9	7.4	7.9	80.3	90.9	94.8
Anderson ..	47.7	47.1	47.4	(²)	(²)	(²)	1.1	1.2	1.2
Bloomington ..	48.4	50.7	50.4	(²)	(²)	(²)	1.5	1.5	1.7
Elkhart-Goshen ..	88.6	92.9	94.2	(²)	(²)	(²)	2.1	2.4	2.5
Evansville ..	122.1	122.3	123.6	2.5	2.2	2.2	7.5	7.7	8.1
Fort Wayne ..	171.0	176.5	178.2	(²)	(²)	(²)	7.4	8.0	8.3
Gary-Hammond ..	210.4	206.5	209.1	(²)	(²)	(²)	9.5	10.6	10.7
Indianapolis ..	560.9	580.4	585.5	.7	.7	.7	24.3	27.2	28.3
Kokomo ..	43.8	44.2	43.9	(²)	(²)	(²)	1.0	1.0	1.0
Lafayette ..	60.8	62.4	62.1	(²)	(²)	(²)	1.4	1.9	1.9
Muncie ..	48.2	49.0	49.6	(²)	(²)	(²)	1.4	1.6	1.7
South Bend-Mishawaka ..	104.6	107.2	108.1	(²)	(²)	(²)	4.1	4.4	4.7
Terre Haute ..	52.1	52.0	52.1	.5	.4	.4	1.6	1.6	1.6
Iowa ..	1,057.2	1,086.0	1,090.2	1.6	1.6	1.7	27.3	30.3	32.0
Cedar Rapids ..	80.7	81.3	82.0	.1	.1	.1	2.3	2.8	3.1
Des Moines ..	192.7	198.5	199.9	(¹)	(¹)	(¹)	6.0	5.9	6.2
Dubuque ..	39.9	41.0	41.0	(¹)	(¹)	(¹)	1.0	1.0	1.0
Iowa City ..	49.9	49.3	49.6	(¹)	(¹)	(¹)	1.1	1.2	1.3
Sioux City ..	47.8	46.4	46.2	(¹)	(¹)	(¹)	1.4	1.6	1.7
Waterloo-Cedar Falls ..	58.6	59.9	60.3	(¹)	(¹)	(¹)	1.3	1.4	1.3
Kansas ..	975.9	979.0	988.6	13.9	11.3	11.4	39.9	37.9	39.4
Lawrence ..	30.5	31.3	31.4	(¹)	(¹)	(¹)	.9	1.0	1.0
Topeka ..	83.3	84.2	85.1	(¹)	(¹)	(¹)	2.9	3.5	3.5
Wichita ..	205.1	205.4	208.5	2.6	2.0	2.0	9.0	8.7	9.6
Kentucky ..	1,251.9	1,277.9	1,284.9	40.7	38.5	39.0	50.1	55.0	57.2
Lexington-Fayette ..	164.8	168.8	169.7	.9	1.0	1.0	8.3	9.4	9.9
Louisville ..	411.3	419.8	423.6	.6	.6	.7	19.0	19.7	20.7
Owensboro ..	32.5	32.1	32.5	1.0	.9	1.0	1.7	1.7	1.9
Louisiana ..	1,547.3	1,485.5	1,485.2	69.8	57.9	58.0	94.2	82.3	82.7
Alexandria ..	44.8	45.5	45.6	.2	.2	.2	2.7	2.5	2.5
Baton Rouge ..	214.9	212.1	213.3	1.1	1.0	1.0	20.7	19.8	20.3
Houma-Thibodaux ..	58.1	51.4	51.5	7.4	5.8	5.8	1.9	1.4	1.4
Lafayette ..	94.3	82.4	82.5	13.9	11.1	11.2	4.1	3.0	3.0
Lake Charles ..	58.5	55.9	55.7	1.6	1.3	1.3	5.8	4.7	4.7
Monroe ..	55.5	54.6	54.2	.5	.6	.6	3.4	3.0	2.8
New Orleans ..	527.0	511.1	509.8	17.9	16.6	16.6	26.6	23.3	22.9
Shreveport ..	135.8	130.6	130.7	4.3	3.3	3.3	7.9	7.0	7.3
Maine ..	456.0	476.3	477.4	.1	.1	.1	21.4	24.5	25.1
Lewiston-Auburn ..	37.1	38.0	38.0	(¹)	(¹)	(¹)	1.5	1.6	1.6
Portland ..	110.6	115.2	115.7	(¹)	(¹)	(¹)	5.9	6.5	6.6

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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Georgia	564.8	564.1	566.8	164.2	166.8	167.2	646.0	686.6	689.2
Albany	10.1	8.7	8.6	2.2	2.1	2.2	12.1	12.4	12.4
Athens	15.3	15.4	15.6	1.7	1.7	1.7	12.1	12.7	12.7
Atlanta	192.8	191.3	191.6	106.6	109.5	109.4	354.9	380.6	381.7
Augusta	36.5	36.5	36.4	4.9	5.1	5.1	31.2	32.9	32.8
Columbus	20.2	19.5	19.7	3.4	3.4	3.4	18.6	20.3	20.2
Macon-Warner Robins	19.2	18.9	19.2	4.9	5.1	5.1	24.0	25.3	25.3
Savannah	16.1	16.9	16.9	9.6	9.4	9.7	23.5	23.8	23.7
Hawaii	21.9	21.8	21.8	34.0	34.2	34.2	116.1	118.1	119.7
Honolulu	16.1	16.0	16.0	27.8	27.8	27.7	91.1	92.6	94.0
Idaho	51.4	52.5	52.0	18.4	18.1	18.1	81.2	81.8	82.3
Boise City	10.2	10.3	10.3	5.5	5.5	5.6	21.5	22.1	22.3
Illinois	929.4	926.5	925.1	276.7	278.2	278.8	1,156.6	1,193.9	1,196.9
Aurora-Elgin	35.2	35.9	36.1	4.6	5.1	5.0	34.7	35.8	35.9
Bloomington-Normal	4.7	4.4	4.4	3.2	2.9	3.0	12.4	12.5	12.5
Champaign-Urbana-Rantoul	7.5	7.5	7.5	2.3	2.1	2.1	19.1	19.0	19.2
Chicago	552.8	539.5	539.9	184.5	189.1	188.5	719.2	730.4	732.1
Davenport-Rock Island-Moline	33.4	32.8	33.1	8.1	8.2	8.2	42.1	41.9	42.0
Decatur	14.7	13.5	13.6	4.6	4.5	4.6	10.7	11.0	10.9
Joliet	19.7	19.2	19.2	8.7	8.2	8.3	22.0	22.4	22.3
Kankakee	5.2	5.2	5.3	1.5	1.4	1.4	8.0	8.0	8.1
Lake County	40.8	39.2	39.4	6.3	6.4	6.5	43.9	44.7	44.8
Peoria	31.9	30.8	30.5	6.6	6.5	6.5	32.5	32.9	32.8
Rockford	45.4	46.0	43.3	4.5	4.3	4.3	28.0	28.2	28.2
Springfield	3.9	3.8	3.8	4.8	4.7	4.7	19.2	19.2	19.2
Indiana	601.8	597.7	600.8	110.2	112.2	112.7	505.1	534.5	538.6
Anderson	18.6	17.4	17.4	1.3	1.4	1.4	10.0	10.5	10.5
Bloomington	7.7	8.3	8.3	1.6	1.6	1.7	10.9	11.5	11.4
Elkhart-Goshen	47.3	49.8	50.7	2.7	2.7	2.7	16.5	17.4	17.6
Evansville	31.5	30.4	30.6	6.4	6.4	6.4	29.8	30.6	30.9
Fort Wayne	47.5	48.9	48.9	11.2	11.4	11.5	41.7	43.1	43.6
Gary-Hammond	57.3	50.7	52.2	13.8	13.2	13.2	48.6	49.2	49.7
Indianapolis	106.5	106.1	106.3	33.0	34.7	35.3	142.9	147.9	148.8
Kokomo	19.9	19.7	19.2	1.4	1.3	1.3	9.1	9.3	9.4
Lafayette	11.6	11.2	11.3	1.7	1.5	1.6	12.3	12.6	12.6
Muncie	10.9	10.7	10.8	2.2	2.2	2.2	11.7	11.8	11.9
South Bend-Mishawaka	23.9	23.9	23.9	4.6	4.8	4.8	26.6	27.5	27.8
Terre Haute	10.6	10.3	10.1	2.5	2.6	2.6	13.7	13.7	13.8
Iowa	201.2	206.9	207.5	50.4	52.3	52.5	265.7	276.0	276.4
Cedar Rapids	21.8	22.1	22.1	4.1	4.1	4.1	19.8	19.8	20.0
Des Moines	22.3	22.5	22.8	11.5	12.0	11.9	50.6	50.4	50.8
Dubuque	11.9	11.8	11.9	1.6	1.5	1.5	8.8	9.4	9.4
Iowa City	3.7	3.8	3.8	1.1	1.2	1.2	8.9	8.9	9.0
Sioux City	9.7	6.9	6.3	3.2	3.4	3.5	12.1	12.0	12.1
Waterloo-Cedar Falls	12.8	12.5	13.0	1.8	1.8	1.8	13.7	14.1	14.1
Kansas	175.8	175.5	177.7	62.4	61.6	62.1	240.8	244.6	245.6
Lawrence	4.4	4.4	4.4	1.3	1.3	1.3	6.5	6.8	6.7
Topeka	9.5	9.3	9.4	6.8	6.6	6.6	18.2	18.6	18.8
Wichita	55.3	56.1	57.2	9.8	9.8	9.8	49.3	48.9	49.1
Kentucky	251.1	254.1	256.2	65.8	68.4	68.8	291.4	297.1	298.1
Lexington-Fayette	27.9	28.2	28.0	7.7	7.6	7.6	38.0	39.6	39.7
Louisville	85.8	86.5	86.1	25.4	25.8	26.0	100.0	100.7	101.5
Owensboro	5.9	5.3	5.4	2.2	2.3	2.3	8.3	7.9	7.9
Louisiana	166.7	162.9	163.0	111.6	105.2	105.2	373.4	356.9	354.8
Alexandria	3.2	3.5	3.5	2.3	2.3	2.3	10.2	10.7	10.7
Baton Rouge	19.1	18.5	18.7	10.5	10.5	10.5	52.1	51.9	52.1
Houma-Thibodaux	4.6	4.3	4.2	7.0	5.7	5.7	14.5	13.0	13.3
Lafayette	6.2	5.7	5.7	7.2	6.5	6.4	24.8	21.7	21.7
Lake Charles	8.8	8.7	8.7	3.9	3.7	3.6	14.3	13.6	13.5
Monroe	7.3	7.2	7.2	2.9	2.6	2.6	15.0	14.7	14.6
New Orleans	43.6	42.7	42.6	44.7	42.4	41.8	138.4	134.0	132.6
Shreveport	19.0	18.5	18.6	8.4	8.3	8.3	32.4	29.9	29.7
Maine	103.0	102.8	102.2	18.3	19.3	19.3	106.0	112.8	113.9
Lewiston-Auburn	10.1	9.8	9.8	1.3	1.3	1.4	8.7	8.9	9.1
Portland	16.5	15.9	16.0	5.6	5.9	5.9	31.6	33.8	33.7

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Georgia	140.2	148.9	148.9	490.6	524.4	530.6	462.7	466.1	467.8
Albany	2.4	2.4	2.4	7.7	8.0	8.1	12.5	12.7	12.7
Athens	1.9	2.0	2.0	8.5	9.2	9.3	18.7	19.1	19.2
Atlanta	91.5	96.5	96.7	294.7	317.4	322.2	184.3	186.9	188.6
Augusta	5.2	5.9	6.0	28.6	29.6	29.6	32.8	33.5	33.6
Columbus	5.9	6.2	6.2	14.9	15.5	15.6	20.3	20.1	20.1
Macon-Warner Robins	7.1	7.4	7.4	20.3	20.8	20.9	33.9	34.2	34.2
Savannah	4.2	4.4	4.4	21.9	22.7	22.9	15.3	16.2	16.2
Hawaii	32.8	33.3	33.3	118.7	122.1	122.7	95.6	96.0	97.4
Honolulu	27.7	28.1	28.1	92.2	95.1	95.5	81.1	81.1	82.3
Idaho	23.6	23.8	23.9	66.4	67.8	68.4	71.3	72.6	73.3
Boise City	8.4	8.5	8.5	18.2	18.2	18.4	16.6	17.1	17.1
Illinois	342.0	347.4	347.9	1,112.2	1,128.1	1,133.4	721.8	727.2	730.2
Aurora-Elgin	6.8	6.8	6.9	26.3	28.5	28.6	14.7	14.7	14.9
Bloomington-Normal	9.2	9.2	9.3	11.0	11.2	11.3	11.8	12.6	12.4
Champaign-Urbana-Rantoul	3.2	3.2	3.3	14.2	14.4	14.5	34.6	34.4	35.0
Chicago	246.6	252.4	252.0	747.0	763.1	767.0	359.0	362.9	365.5
Davenport-Rock Island-Moline	7.7	8.0	8.0	29.9	30.0	30.0	27.5	27.2	27.4
Decatur	2.8	2.7	2.7	10.2	10.2	10.3	5.6	5.6	5.6
Joliet	3.8	3.8	3.8	18.8	18.8	19.0	16.3	16.1	16.1
Kankakee	1.6	1.6	1.6	8.2	8.2	8.2	6.5	6.7	6.8
Lake County	6.7	6.4	6.5	36.4	40.0	40.5	28.3	28.5	29.2
Peoria	6.9	7.0	7.0	32.1	32.1	32.3	16.2	16.4	16.4
Rockford	5.3	5.4	5.4	23.9	24.1	24.1	12.1	12.2	12.2
Springfield	7.8	7.8	7.9	23.7	22.5	22.6	31.5	31.9	31.8
Indiana	107.7	111.6	112.4	418.1	431.0	437.3	345.9	356.3	355.9
Anderson	1.6	1.6	1.6	9.2	9.4	9.4	5.9	5.8	5.9
Bloomington	1.6	1.6	1.6	7.6	7.7	7.8	17.6	18.5	17.9
Elkhart-Goshen	2.3	2.4	2.4	12.2	12.6	12.7	5.5	5.6	5.6
Evansville	4.9	4.9	4.9	27.9	28.2	28.5	11.6	12.0	12.0
Fort Wayne	11.2	11.7	11.7	34.6	35.8	36.3	17.4	17.8	17.9
Gary-Hammond	7.8	8.1	8.1	42.9	44.1	44.5	30.5	30.8	30.6
Indianapolis	41.9	43.3	43.5	123.5	130.9	132.4	88.1	89.6	90.1
Kokomo	1.3	1.4	1.4	5.8	5.9	6.0	5.3	5.6	5.6
Lafayette	2.8	2.9	3.0	10.7	10.9	11.1	20.3	21.3	20.7
Muncie	1.6	1.6	1.6	9.6	9.8	9.9	10.8	11.4	11.6
South Bend-Mishawaka	5.2	5.6	5.6	28.9	29.6	29.9	11.3	11.4	11.5
Terre Haute	1.8	1.9	1.9	10.7	10.7	10.9	10.7	10.8	10.7
Iowa	62.6	63.5	63.7	236.0	239.6	240.6	212.4	215.8	215.8
Cedar Rapids	4.7	4.5	4.5	17.6	17.9	18.1	10.3	10.0	10.0
Des Moines	24.8	26.2	26.5	47.9	50.8	51.1	29.5	30.6	30.5
Dubuque	1.4	1.4	1.4	11.6	12.4	12.3	3.6	3.5	3.5
Iowa City	1.4	1.5	1.6	7.7	7.7	7.7	26.0	24.9	24.9
Sioux City	2.6	2.6	2.6	12.4	13.3	13.5	6.4	6.6	6.5
Waterloo-Cedar Falls	3.1	3.2	3.2	13.5	14.1	14.2	12.4	12.8	12.7
Kansas	53.6	54.4	54.5	190.8	194.8	196.5	198.7	198.9	201.4
Lawrence .....	.9	1.0	1.0	5.2	5.4	5.4	11.3	11.4	11.6
Topeka	5.9	6.1	6.1	18.7	19.0	19.3	21.2	21.0	21.3
Wichita	10.5	10.9	10.9	42.8	43.5	44.2	25.8	25.5	25.7
Kentucky	58.0	61.0	60.8	254.8	261.6	262.2	240.0	242.2	242.6
Lexington-Fayette	8.6	9.0	9.0	38.5	38.9	39.0	34.9	35.1	35.5
Louisville	26.8	28.4	28.8	94.4	97.8	99.1	59.3	60.3	60.6
Owensboro	1.3	1.4	1.4	7.2	7.4	7.4	4.9	5.2	5.2
Louisiana	85.6	85.1	85.2	320.7	314.8	316.4	325.3	320.4	319.9
Alexandria	2.6	2.6	2.6	10.6	11.1	11.1	13.0	12.6	12.7
Baton Rouge	13.7	13.4	13.4	41.6	41.3	41.7	56.1	55.7	55.6
Houma-Thibodaux	2.7	2.4	2.4	8.8	8.1	8.1	11.2	10.7	10.6
Lafayette	4.2	4.0	4.0	20.4	17.4	17.5	13.5	13.0	13.0
Lake Charles	2.6	2.7	2.7	10.9	10.7	10.7	10.6	10.5	10.5
Monroe	4.4	4.4	4.5	11.1	11.3	11.2	10.9	10.8	10.7
New Orleans	33.4	34.1	34.0	133.8	133.2	134.4	88.6	84.8	84.9
Shreveport	8.0	7.9	7.7	30.3	30.3	30.4	25.5	25.4	25.4
Maine	21.7	23.0	23.3	95.5	102.6	102.4	90.0	91.2	91.1
Lewiston-Auburn	1.9	2.2	2.1	9.6	10.2	10.0	4.0	4.0	4.0
Portland	10.3	11.3	11.4	25.5	26.5	26.8	15.2	15.3	15.3

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Maryland	1,905.8	1,948.7	1,970.7	1.5	1.6	1.6	126.6	132.4	137.0
Baltimore MSA	1,028.7	1,048.5	1,058.7	.2	.2	.2	60.0	63.7	66.2
Baltimore City	449.1	451.0	453.8	(¹)	(¹)	(¹)	16.5	16.5	16.4
Suburban Maryland-D.C. ..	676.1	698.2	708.5	.4	.3	.3	55.1	58.3	60.1
Massachusetts ..	2,936.8	2,986.1	3,010.9	1.5	2.0	2.1	105.1	112.8	115.9
Boston	1,657.1	1,690.7	1,706.9	.6	.8	.8	55.4	58.2	59.7
Brockton	69.8	71.3	72.0	(¹)	(¹)	(¹)	3.2	3.9	4.2
Fall River	54.0	55.0	54.8	(¹)	(¹)	(¹)	1.7	1.9	2.0
Fitchburg-Leominster	39.7	39.2	39.5	(¹)	(¹)	(¹)	1.8	1.8	1.9
Lawrence-Haverhill	159.7	158.9	159.3	(¹)	(¹)	(¹)	10.2	8.4	8.3
Lowell	103.7	103.5	104.1	.2	.1	.1	4.0	4.4	4.4
New Bedford	65.1	64.8	65.3	(¹)	(¹)	(¹)	2.3	2.6	2.8
Pittsfield	41.1	42.1	42.4	.1	.1	.1	1.5	1.7	1.7
Springfield	226.9	233.7	236.2	.1	.2	.2	7.0	7.4	7.6
Worcester	188.1	193.8	194.5	.1	.1	.2	7.0	7.5	7.7
Michigan	3,591.9	3,640.0	3,642.2	9.6	10.1	10.2	97.2	103.8	106.8
Ann Arbor	158.5	163.5	163.9	(¹)	(¹)	(¹)	4.3	4.0	4.0
Battle Creek	53.9	55.1	55.5	(¹)	(¹)	(¹)	1.2	1.3	1.4
Benton Harbor	61.2	61.7	62.1	(¹)	(¹)	(¹)	1.1	1.2	1.3
Detroit	1,801.0	1,847.7	1,848.9	.7	.8	.8	50.3	57.3	59.0
Flint	178.2	175.6	175.9	(¹)	(¹)	(¹)	4.3	4.5	4.6
Grand Rapids	297.3	298.7	300.4	(¹)	(¹)	(¹)	11.5	12.8	13.1
Jackson	48.8	49.4	49.5	(¹)	(¹)	(¹)	1.0	1.1	1.2
Kalamazoo	100.8	103.1	103.3	(¹)	(¹)	(¹)	2.7	2.7	2.9
Lansing-East Lansing	196.9	201.9	202.2	(¹)	(¹)	(¹)	4.6	4.6	4.5
Muskegon	55.3	55.0	55.2	(¹)	(¹)	(¹)	1.6	1.6	1.6
Saginaw-Bay City-Midland ..	147.7	149.4	149.7	(¹)	(¹)	(¹)	4.8	5.3	5.3
Minnesota	1,841.8	1,880.6	1,889.8	6.3	4.6	4.7	57.4	62.6	63.6
Duluth	79.9	80.2	79.9	4.0	2.8	2.8	2.3	2.9	2.9
Minneapolis-St. Paul	1,205.4	1,232.9	1,235.9	(¹)	(¹)	(¹)	40.1	44.6	45.1
Rochester	54.0	55.1	55.1	(²)	(²)	(²)	1.4	1.3	1.3
St. Cloud	64.0	67.1	67.3	(²)	(²)	(²)	2.6	3.2	3.1
Mississippi	845.7	849.3	855.0	7.9	6.1	6.1	34.2	31.5	34.1
Jackson	169.1	171.6	172.5	1.4	1.2	1.1	8.3	8.0	8.0
Missouri	2,102.2	2,108.8	2,126.2	5.9	5.2	5.3	89.7	88.9	92.9
Kansas City	709.4	712.4	713.6	.5	.5	.5	32.3	33.7	34.5
St. Joseph	35.4	35.0	35.3	(¹)	(¹)	(¹)	1.3	1.2	1.3
St. Louis	1,082.2	1,079.7	1,087.0	3.6	3.4	3.4	52.2	50.6	51.5
Springfield	101.2	103.1	103.3	.1	.1	.1	4.1	3.8	4.1
Montana ..	270.3	270.2	272.2	6.0	5.6	5.7	8.5	7.6	7.8
Nebraska	644.7	649.3	652.7	1.7	1.9	1.9	21.6	21.4	22.2
Lincoln	107.0	107.1	107.7	(¹)	(¹)	(¹)	3.5	3.3	3.4
Omaha	288.4	289.8	291.9	.2	.2	.2	10.8	11.0	11.8
Nevada	456.1	478.3	484.7	6.0	6.5	6.6	24.4	26.7	27.7
Las Vegas	256.6	272.2	276.1	.3	.3	.3	15.1	16.4	17.1
Reno	122.7	126.0	127.7	.7	.7	.7	5.8	6.6	6.8
New Hampshire ..	474.4	492.1	493.6	.4	.4	.4	31.6	31.8	32.6
Nashua	85.5	87.9	88.5	.1	.1	.1	4.0	4.9	5.1
Portsmouth-Dover-Rochester,NH-ME ..	98.8	103.1	103.9	.1	.1	.1	4.4	4.8	4.9
New Jersey	3,416.6	3,472.5	3,506.7	2.0	2.1	2.2	134.3	141.4	149.3
Atlantic City	144.4	149.5	152.7	(¹)	(¹)	(¹)	8.0	9.6	9.9
Bergen-Passaic	634.0	644.3	649.1	.1	.1	.1	25.0	27.1	28.8
Camden	399.1	408.6	411.7	.1	.1	.1	17.8	19.3	20.4
Jersey City	233.3	239.2	240.0	(¹)	(¹)	(¹)	5.8	5.9	6.1
Middlesex-Somerset-Hunterdon ..	484.1	492.2	497.2	.5	.5	.5	19.5	19.6	20.5
Monmouth-Ocean	294.1	302.6	306.7	(¹)	(¹)	(¹)	16.5	17.7	18.3
Newark	931.7	947.4	950.9	.7	.7	.7	31.7	34.4	36.1
Trenton	185.3	189.9	191.9	(¹)	(¹)	(¹)	3.8	4.1	4.3
Vineland-Millville-Bridgeton ..	52.9	54.3	55.1	.3	.3	.4	1.8	2.2	2.4

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Maryland	209.9	207.0	207.1	90.4	91.9	92.0	479.2	495.8	501.6
Baltimore MSA	133.6	131.7	130.6	55.0	54.6	54.7	248.9	256.1	259.4
Baltimore City	48.6	45.8	46.0	27.9	27.4	27.3	95.2	95.2	95.9
Suburban Maryland-D.C.	35.8	35.6	35.6	23.5	24.4	24.4	179.9	187.6	189.9
Massachusetts	623.3	609.1	608.5	124.8	125.5	126.5	682.9	697.8	702.0
Boston	291.3	290.4	290.9	73.1	73.7	74.2	369.5	380.1	382.2
Brockton	11.9	10.9	11.0	5.3	5.1	5.2	20.3	21.6	21.5
Fall River	17.6	17.0	16.7	1.8	1.8	1.9	13.6	14.3	14.3
Fitchburg-Leominster ..	13.4	13.1	13.2	1.5	1.4	1.4	9.7	10.0	10.0
Lawrence-Haverhill ..	53.7	51.8	51.3	6.5	6.7	6.8	32.9	35.2	35.6
Lowell	38.7	36.9	37.0	3.4	3.3	3.3	21.8	21.7	21.7
New Bedford ..	21.7	21.1	21.2	2.9	3.0	3.1	14.6	14.4	14.6
Pittsfield	12.1	12.0	11.9	.9	1.0	1.0	10.8	11.0	11.2
Springfield ..	51.8	51.9	52.3	9.0	9.1	9.2	52.5	54.8	55.0
Worcester ..	46.5	45.4	45.2	8.1	8.0	8.0	45.7	48.4	48.6
Michigan	1,001.7	984.5	978.7	145.3	148.3	148.5	783.1	810.1	812.5
Ann Arbor	39.1	39.0	38.8	4.7	4.9	5.0	24.1	26.5	26.6
Battle Creek	14.5	15.2	15.5	1.8	1.8	1.8	10.0	10.2	10.2
Benton Harbor ..	21.5	21.2	21.0	2.5	2.5	2.5	11.5	11.4	11.7
Detroit	491.4	484.4	480.0	81.3	84.7	84.5	406.8	424.1	425.4
Flint	67.9	62.1	61.6	4.8	4.6	4.5	41.0	42.3	42.5
Grand Rapids ..	95.8	93.4	93.4	10.8	10.8	10.7	73.0	73.8	74.4
Jackson	12.8	12.9	12.9	4.1	4.1	4.1	10.7	10.8	10.8
Kalamazoo	29.3	29.3	29.2	3.2	3.4	3.4	21.8	22.5	22.7
Lansing-East Lansing ..	38.5	38.0	37.9	5.6	5.1	5.2	37.9	38.5	38.8
Muskegon	18.3	17.6	17.7	2.6	2.6	2.6	11.6	11.7	11.7
Saginaw-Bay City-Midland ..	45.6	44.6	44.1	7.0	7.2	7.2	33.0	33.6	33.9
Minnesota	361.5	363.6	364.6	96.7	96.1	96.9	454.1	461.9	464.9
Duluth	6.8	7.1	7.0	5.4	4.9	4.9	20.7	21.1	21.0
Minneapolis-St. Paul ..	248.6	248.7	249.1	67.0	66.2	66.4	293.2	303.0	303.4
Rochester	10.8	10.3	10.2	1.8	1.6	1.5	10.9	11.5	11.5
St. Cloud ..	11.3	12.0	12.2	3.7	3.7	3.7	19.0	20.6	20.5
Mississippi ..	223.1	220.6	220.6	38.5	39.5	39.6	179.2	181.9	183.6
Jackson ..	19.9	20.0	20.0	10.8	11.2	11.2	41.0	41.5	41.9
Missouri	426.3	412.1	412.4	139.6	139.9	141.1	496.0	490.7	494.5
Kansas City ..	118.9	116.6	114.0	54.8	54.2	54.4	179.0	177.6	178.7
St. Joseph	8.9	9.0	9.1	2.1	2.0	2.0	8.6	8.4	8.5
St. Louis	223.6	215.8	217.4	73.6	72.8	73.5	254.1	254.0	255.9
Springfield ..	20.0	19.5	19.0	6.3	6.4	6.4	26.9	28.0	28.1
Montana ..	19.9	20.8	20.7	20.3	19.7	19.9	69.6	70.2	70.7
Nebraska ..	84.6	82.8	81.9	42.2	42.7	42.7	166.1	167.7	168.8
Lincoln	12.7	12.9	13.0	5.9	5.8	5.8	24.6	24.7	24.7
Omaha	31.9	31.6	31.5	22.4	23.1	23.1	74.2	74.8	75.5
Nevada	21.7	22.9	22.9	25.9	26.9	26.9	91.6	95.9	96.9
Las Vegas	7.9	8.4	8.4	14.5	15.5	15.5	53.2	56.1	56.7
Reno	8.0	8.4	8.4	8.6	8.6	8.6	27.5	28.3	28.6
New Hampshire ..	119.8	118.0	117.9	16.1	17.4	17.3	113.4	123.2	123.5
Nashua	35.9	35.0	35.2	2.2	2.2	2.1	18.5	20.3	20.4
Portsmouth-Dover-Rochester,NH-ME ..	20.9	20.1	20.2	2.5	2.6	2.6	24.0	26.6	26.9
New Jersey	693.6	684.8	687.9	230.3	230.7	231.1	806.5	827.8	834.0
Atlantic City	8.1	8.3	8.2	5.9	6.0	6.0	27.9	28.4	28.9
Bergen-Passaic	163.5	159.9	160.7	28.4	28.6	28.5	180.2	184.9	185.3
Camden	74.6	74.4	74.5	16.9	17.4	17.3	105.4	106.1	106.1
Jersey City	51.6	52.5	52.3	30.5	30.7	30.6	55.3	57.8	58.4
Middlesex-Somerset-Hunterdon ..	113.0	113.0	113.9	39.1	39.8	40.2	116.7	118.2	118.8
Monmouth-Ocean	30.9	30.2	30.4	15.2	16.0	16.1	78.9	83.7	84.5
Newark	188.5	187.5	186.8	80.7	80.7	80.2	190.4	195.7	196.7
Trenton	31.8	31.7	31.7	6.0	6.2	6.3	29.4	31.0	31.0
Vineland-Millville-Bridgeton ..	14.7	14.9	15.1	2.0	2.1	2.1	10.7	10.8	11.0

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Maryland	112.8	118.4	119.2	485.9	511.9	516.3	399.5	389.7	396.0
Baltimore MSA	68.6	73.0	73.4	256.2	264.3	267.0	206.2	204.9	207.2
Baltimore City	42.9	45.1	45.3	129.7	134.5	135.4	88.3	86.5	87.5
Suburban Maryland-D.C.	36.8	39.0	39.3	190.2	198.0	200.9	154.4	155.0	158.0
Massachusetts ..	196.6	209.4	210.5	810.7	837.7	850.3	391.9	391.8	395.1
Boston	136.4	143.1	143.9	533.9	547.0	556.9	196.9	197.4	198.3
Brockton	2.9	3.1	3.1	14.6	14.5	14.9	11.6	12.2	12.1
Fall River	2.7	2.9	2.9	10.1	10.6	10.6	6.5	6.5	6.4
Fitchburg-Leominster	1.5	1.6	1.6	6.9	6.8	6.9	4.9	4.5	4.5
Lawrence-Haverhill	5.6	6.0	6.0	29.7	31.1	31.3	21.1	19.7	20.0
Lowell	3.7	4.1	4.2	18.7	20.1	20.3	13.2	12.9	13.1
New Bedford	2.4	2.5	2.5	11.6	12.0	12.0	9.6	9.2	9.1
Pittsfield	2.0	2.1	2.2	8.9	9.6	9.6	4.8	4.6	4.7
Springfield	14.9	15.7	15.7	54.3	56.4	57.7	37.3	38.2	38.5
Worcester	12.0	12.8	12.8	45.6	48.0	48.4	23.1	23.6	23.6
Michigan	166.2	174.4	175.2	775.9	793.3	794.1	612.9	615.5	616.1
Ann Arbor	4.2	4.5	4.6	31.2	32.4	32.6	50.8	52.1	52.1
Battle Creek	3.7	3.7	3.7	11.2	11.5	11.4	11.5	11.5	11.5
Benton Harbor	2.3	2.5	2.5	13.7	14.2	14.2	8.6	8.6	8.7
Detroit	97.0	100.7	100.9	436.6	454.1	455.3	236.9	241.8	242.9
Flint	5.9	6.3	6.3	30.6	32.0	32.4	23.7	23.9	24.0
Grand Rapids	13.1	13.5	13.5	61.8	62.8	63.2	30.9	31.3	31.6
Jackson	1.6	1.5	1.5	9.1	9.2	9.3	9.2	9.4	9.3
Kalamazoo	4.4	4.8	4.8	22.1	22.8	23.0	17.2	17.4	17.3
Lansing-East Lansing	10.4	11.1	11.2	33.6	36.2	36.3	65.9	68.1	68.1
Muskegon	1.4	1.4	1.4	11.0	11.2	11.3	8.6	8.9	8.9
Saginaw-Bay City-Midland ..	6.0	5.9	6.0	29.6	30.5	30.8	21.5	22.1	22.3
Minnesota	113.4	118.6	118.8	437.6	451.4	455.0	314.8	321.7	321.3
Duluth	3.0	3.1	3.1	19.2	19.4	19.5	18.5	18.8	18.7
Minneapolis-St. Paul	87.3	92.0	92.0	298.9	305.4	306.7	169.7	172.4	172.6
Rochester	1.5	1.6	1.6	21.7	22.7	22.8	6.0	6.1	6.1
St. Cloud	2.3	2.4	2.5	12.9	13.0	13.1	12.2	12.2	12.3
Mississippi	36.5	37.9	38.1	133.7	136.7	138.1	192.6	195.0	194.7
Jackson	13.2	13.8	14.0	35.5	36.6	37.1	38.9	39.3	39.1
Missouri	125.7	131.5	132.1	474.5	488.6	495.5	344.5	351.9	352.4
Kansas City	55.2	56.8	57.0	159.2	161.0	162.7	109.5	112.0	111.8
St. Joseph	1.9	1.8	1.8	6.9	6.7	6.8	5.7	5.9	5.8
St. Louis	68.3	71.6	71.7	266.6	275.2	276.9	140.2	136.3	136.7
Springfield	5.0	5.0	5.1	25.6	26.6	26.7	13.2	13.7	13.8
Montana ..	12.9	12.8	13.0	60.9	62.3	62.6	72.2	71.2	71.8
Nebraska	46.4	48.2	48.6	144.6	146.7	147.5	137.5	137.9	139.1
Lincoln	7.6	7.8	7.8	22.0	22.4	22.7	30.7	30.2	30.3
Omaha	28.2	29.5	29.9	76.6	75.8	75.7	44.1	43.8	44.2
Nevada	21.6	23.3	23.6	202.6	212.1	215.6	62.3	64.0	64.5
Las Vegas	12.9	14.0	14.2	121.5	129.4	131.4	31.2	32.1	32.5
Reno	6.5	6.9	7.0	49.6	50.2	51.2	16.0	16.3	16.4
New Hampshire ...	27.1	29.5	29.7	103.4	108.6	108.8	62.6	63.2	63.4
Nashua	3.1	3.3	3.3	15.6	15.9	16.1	6.1	6.2	6.2
Portsmouth-Dover-Rochester,NH-ME ..	5.4	6.1	6.1	16.6	18.1	18.2	24.9	24.7	24.9
New Jersey	204.0	212.8	214.0	806.6	830.7	841.5	539.4	542.2	546.7
Atlantic City	6.5	6.7	6.6	63.2	65.2	67.5	24.6	25.2	25.5
Bergen-Passaic	33.2	36.0	36.1	137.6	141.7	143.3	65.7	66.0	66.3
Camden	21.2	22.4	22.7	92.1	94.7	95.9	71.0	74.2	74.7
Jersey City	10.0	10.3	10.3	40.1	41.8	42.0	40.0	40.2	40.3
Middlesex-Somerset-Hunterdon	31.3	33.1	33.2	92.4	97.2	98.1	71.5	70.8	72.0
Monmouth-Ocean	16.3	17.0	17.0	76.0	77.4	79.6	60.1	60.5	60.7
Newark	71.7	75.0	75.3	234.1	238.5	239.8	133.8	134.9	135.3
Trenton	8.8	8.7	8.8	52.6	54.6	55.4	52.9	53.6	54.4
Vineland-Milville-Bridgeton ..	2.8	2.9	2.9	9.3	9.8	9.9	11.2	11.3	11.3

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
New Mexico	523.3	527.3	531.2	17.7	14.7	14.7	34.2	32.6	33.4
Albuquerque	224.4	228.8	231.1	.2	.2	.2	16.1	16.3	16.9
Las Cruces	39.7	41.4	41.9	.1	.1	.1	2.6	2.6	2.7
Santa Fe	51.2	53.5	54.1	.1	.1	.1	2.8	3.1	3.1
New York	7,789.1	7,907.5	7,963.7	5.4	5.2	5.4	269.9	284.2	292.7
Albany-Schenectady-Troy	386.6	391.8	393.6	.2	.2	.2	13.4	15.3	15.5
Binghamton	116.4	116.9	117.2	(¹)	(¹)	(¹)	4.3	4.5	4.3
Buffalo	413.7	419.5	422.3	.4	.3	.3	11.8	11.3	11.6
Elmira	34.8	36.4	36.6	(¹)	(¹)	(¹)	1.0	1.1	1.1
Glens Falls	41.5	43.8	43.4	(¹)	(¹)	(¹)	1.4	1.5	1.5
Nassau-Suffolk	1,079.0	1,093.1	1,102.8	.3	.2	.2	49.5	49.6	51.2
New York PMSA	4,025.4	4,057.3	4,089.4	1.4	1.3	1.3	136.2	138.1	141.5
New York City	3,522.3	3,545.0	3,574.7	.9	.8	.8	108.9	109.0	111.7
Niagara Falls	76.1	76.3	76.7	(¹)	(¹)	(¹)	2.0	2.0	2.1
Orange County	93.9	95.7	96.5	(¹)	(¹)	(¹)	3.6	3.8	3.9
Poughkeepsie	113.6	114.6	114.6	(²)	(²)	(²)	4.9	5.5	5.5
Rochester	451.3	450.9	450.8	.7	.8	.8	13.3	14.2	14.4
Rockland County	93.6	94.8	95.3	(²)	(²)	(²)	4.0	4.2	4.3
Syracuse	286.0	292.8	293.0	.1	.2	.2	13.1	12.7	12.8
Utica-Rome	115.7	117.0	117.3	.1	.1	.1	2.5	2.6	2.6
Westchester County	393.0	400.4	402.2	.3	.3	.3	22.2	23.8	24.3
North Carolina	2,700.8	2,764.1	2,787.2	4.7	4.7	4.8	150.9	154.6	159.0
Asheville	74.6	73.9	74.8	.1	.1	.1	3.6	3.4	3.6
Charlotte-Gastonia-Rock Hill	536.4	549.2	554.5	.3	.3	.3	30.0	30.8	31.4
Greensboro-Winston-Salem-High Point	445.8	448.9	452.4	.3	.3	.3	23.8	22.8	23.3
Raleigh-Durham	365.4	374.1	375.6	.3	.3	.3	23.3	23.8	24.0
North Dakota	244.0	243.8	244.5	5.1	3.7	3.7	7.7	7.6	7.5
Bismarck	35.0	35.6	35.7	.2	.2	.2	1.1	1.1	1.1
Fargo-Moorhead	66.6	68.8	68.7	(¹)	(¹)	(¹)	2.5	2.4	2.5
Grand Forks	28.1	28.6	28.9	(¹)	(¹)	(¹)	1.0	1.1	1.1
Ohio	4,374.5	4,467.2	4,492.9	23.1	20.7	20.6	133.9	139.6	145.4
Akron	256.0	259.2	260.7	.7	.6	.6	7.1	7.6	7.9
Canton	149.0	151.2	151.8	1.1	1.0	1.0	4.3	4.6	5.0
Cincinnati	633.2	655.2	656.7	.3	.3	.3	22.5	24.1	25.3
Cleveland	860.7	876.0	880.8	1.1	1.0	.9	22.4	21.9	22.9
Columbus	613.9	637.7	642.3	.9	.9	.9	20.5	22.3	23.4
Dayton-Springfield	413.0	423.9	426.3	.4	.4	.4	12.1	14.0	14.9
Toledo	266.3	276.3	278.6	.2	.1	.1	7.9	8.7	9.0
Youngstown-Warren	183.4	187.2	188.6	.6	.5	.5	5.3	5.9	6.1
Oklahoma	1,144.7	1,121.7	1,124.6	57.9	52.7	52.7	39.4	37.7	38.5
Enid	23.3	21.3	21.5	1.5	1.2	1.2	.8	.8	.8
Lawton	34.2	32.7	32.8	.2	.2	.2	1.3	1.3	1.4
Oklahoma City	418.7	399.8	399.3	14.4	11.8	11.8	14.0	12.8	12.8
Tulsa	299.7	299.0	298.9	18.0	17.0	16.7	12.3	12.2	12.5
Oregon	1,033.3	1,060.0	1,067.4	1.2	1.2	1.3	31.5	28.7	29.0
Eugene-Springfield	97.2	100.1	100.8	.1	.1	.2	2.6	2.6	2.7
Portland	523.8	531.4	534.8	.5	.5	.5	17.7	16.5	16.4
Salem	88.4	89.4	89.8	.1	.1	.1	2.8	2.4	2.5
Pennsylvania	4,709.0	4,758.1	4,805.6	33.8	30.9	31.5	169.7	175.5	188.3
Allentown-Bethlehem	259.8	262.2	264.0	.4	.4	.5	8.9	10.2	10.7
Altoona	47.8	48.2	49.0	(²)	(²)	(²)	1.9	2.0	2.2
Beaver County	50.9	49.1	49.5	(²)	(²)	(²)	3.4	3.5	3.7
Erie	107.8	107.5	108.4	.3	.2	.3	2.4	2.6	2.7
Harrisburg-Lebanon-Carlisle	277.3	284.9	286.6	.4	.4	.4	9.5	10.2	10.8
Johnstown	73.6	75.2	75.8	3.7	3.8	3.8	2.0	2.0	2.1
Lancaster	168.1	174.4	175.5	.3	.3	.3	8.2	9.1	9.3
Philadelphia PMSA	2,058.9	2,104.0	2,122.0	1.1	1.1	1.2	81.4	88.3	92.5
Philadelphia City	758.7	763.4	765.8	(²)	(²)	(²)	17.0	16.6	17.6
Pittsburgh	827.1	830.6	840.7	6.8	6.5	6.5	33.1	36.1	38.5

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
New Mexico	36.5	37.0	37.1	29.5	28.8	28.9	123.0	126.1	126.3
Albuquerque	19.3	19.3	19.3	12.2	12.4	12.5	56.6	58.4	58.5
Las Cruces	3.2	3.5	3.5	1.3	1.3	1.3	7.5	7.7	7.7
Santa Fe	1.6	1.6	1.6	1.3	1.2	1.2	9.6	10.4	10.4
New York	1,264.0	1,222.1	1,224.6	404.5	401.6	403.5	1,626.9	1,665.1	1,676.4
Albany-Schenectady-Troy	51.0	48.0	48.5	16.2	16.3	16.2	82.4	84.0	84.4
Binghamton	38.5	36.9	36.9	4.1	4.1	4.1	23.9	25.1	25.2
Buffalo	76.8	75.1	75.2	20.9	21.2	21.3	103.5	106.1	106.5
Elmira	6.7	7.0	7.0	1.3	1.2	1.2	9.6	10.2	10.3
Glens Falls	9.8	10.3	10.3	1.3	1.3	1.3	9.3	10.3	10.1
Nassau-Suffolk	180.7	180.2	179.6	46.3	47.2	47.8	287.7	292.8	295.8
New York PMSA	483.8	467.7	471.8	247.0	241.0	241.1	750.7	753.8	756.5
New York City	399.0	382.7	386.6	221.8	216.0	215.9	630.1	630.4	633.2
Niagara Falls	24.5	24.0	23.9	3.2	3.3	3.3	16.8	17.2	17.4
Orange County	14.6	14.5	14.7	5.6	5.6	5.7	24.2	25.4	25.7
Poughkeepsie	32.6	31.2	30.8	3.3	3.4	3.3	20.5	20.9	21.2
Rochester	143.2	134.0	133.9	13.7	13.9	13.9	93.1	95.6	95.9
Rockland County	15.9	15.8	15.9	4.3	4.2	4.2	21.9	22.6	22.7
Syracuse	54.5	53.7	53.5	16.1	16.7	16.8	66.5	69.5	69.7
Utica-Rome	24.6	23.6	23.5	4.6	4.7	4.6	24.6	25.6	25.7
Westchester County	67.2	67.4	67.5	20.3	20.2	20.4	94.4	96.5	96.2
North Carolina	829.2	835.2	837.5	130.9	132.0	133.1	591.2	611.5	617.3
Asheville	20.6	19.9	19.7	3.5	3.5	3.5	16.7	16.7	16.9
Charlotte-Gastonia-Rock Hill	146.7	149.1	149.9	45.7	47.1	47.6	126.3	129.5	130.4
Greensboro-Winston-Salem-High Point	151.7	151.6	151.4	24.4	24.6	25.0	98.4	100.1	101.2
Raleigh-Durham	59.6	57.9	57.5	17.3	18.0	18.2	73.3	75.2	75.9
North Dakota	14.8	15.2	15.2	15.7	15.4	15.3	65.2	64.7	65.2
Bismarck	1.8	1.8	1.8	2.7	2.6	2.6	9.4	9.4	9.5
Fargo-Moorhead	4.5	4.8	4.6	3.9	4.2	4.1	19.7	20.1	20.3
Grand Forks	1.5	1.6	1.7	1.4	1.4	1.4	7.8	7.9	7.9
Ohio	1,110.0	1,096.0	1,093.0	198.9	205.8	206.5	1,027.1	1,056.5	1,064.5
Akron	66.7	66.2	65.7	12.9	13.0	13.1	61.4	63.3	64.0
Canton	44.0	42.9	42.7	5.7	5.9	5.9	36.6	38.3	38.4
Cincinnati	147.0	147.2	143.8	33.0	33.9	33.9	159.1	166.9	168.0
Cleveland	205.6	203.6	203.6	40.7	40.8	41.0	207.6	210.9	212.1
Columbus	106.2	104.4	103.8	25.5	27.6	27.8	151.1	156.5	157.5
Dayton-Springfield	105.5	105.1	104.9	14.3	14.6	14.7	90.6	94.1	94.7
Toledo	62.9	62.7	62.5	13.5	14.1	14.2	64.6	66.0	66.5
Youngstown-Warren	51.7	51.1	51.4	7.5	7.9	8.0	44.6	45.6	45.8
Oklahoma	165.5	158.8	158.1	64.5	62.5	62.5	275.1	271.0	270.6
Enid	1.7	1.5	1.5	2.3	2.0	2.1	6.6	6.0	6.1
Lawton	3.4	3.3	3.3	1.4	1.3	1.3	8.9	8.3	8.3
Oklahoma City	50.8	48.8	48.5	21.0	20.1	20.0	105.1	97.1	96.1
Tulsa	51.8	50.1	49.7	22.3	22.6	22.6	71.9	72.4	72.6
Oregon	190.4	191.5	191.7	55.6	56.7	57.1	257.9	264.7	267.1
Eugene-Springfield	17.4	18.3	18.4	4.0	4.0	4.0	24.7	25.3	25.3
Portland	90.1	88.6	88.8	32.7	32.7	32.8	137.4	139.7	140.7
Salem	11.5	11.0	11.0	2.5	2.5	2.5	20.1	20.6	20.7
Pennsylvania	1,053.8	1,026.8	1,031.6	237.9	239.2	240.7	1,062.5	1,087.8	1,099.8
Allentown-Bethlehem	81.2	76.8	76.7	13.8	14.0	14.1	56.4	58.2	58.9
Altoona	10.9	10.6	10.9	4.7	4.8	4.9	12.1	12.3	12.4
Beaver County	11.5	9.7	9.7	5.0	5.0	5.0	10.8	11.0	11.0
Erie	35.3	34.3	34.2	3.9	3.8	3.9	22.7	22.8	23.0
Harrisburg-Lebanon-Carlisle	50.2	50.9	50.6	17.8	17.9	18.0	61.9	64.7	64.9
Johnstown	12.2	12.6	12.8	5.0	5.0	5.0	15.4	15.6	15.8
Lancaster	57.7	59.6	59.3	6.9	7.1	7.1	40.4	41.4	41.9
Philadelphia PMSA	384.9	376.9	378.9	94.4	96.2	96.6	474.3	488.5	492.7
Philadelphia City	100.7	97.7	97.8	44.5	45.0	45.2	146.5	147.1	148.5
Pittsburgh	132.0	124.3	125.8	44.9	43.6	43.2	206.7	210.0	212.8

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
New Mexico	26.4	26.9	27.0	116.0	119.9	121.1	140.0	141.3	142.7
Albuquerque	14.0	14.4	14.6	60.5	62.9	63.3	45.5	44.9	45.8
Las Cruces	1.6	1.6	1.6	5.7	6.1	6.3	17.7	18.5	18.7
Santa Fe ..	2.0	2.1	2.2	12.7	13.2	13.5	21.1	21.8	22.0
New York	739.9	764.4	767.6	2,082.8	2,162.6	2,179.4	1,395.7	1,402.3	1,414.1
Albany-Schenectady-Troy	20.9	21.7	21.7	93.3	96.1	96.5	109.2	110.2	110.6
Binghamton	3.8	3.8	3.8	20.6	21.1	21.2	21.3	21.4	21.6
Buffalo	23.9	24.9	25.1	103.5	107.5	108.0	72.9	73.0	74.1
Elmira	1.2	1.2	1.2	8.6	9.1	9.2	6.4	6.5	6.6
Glens Falls	1.8	1.8	1.9	8.9	9.3	9.0	8.9	9.2	9.1
Nassau-Suffolk	68.8	72.9	73.4	265.4	269.5	274.2	180.4	180.7	180.7
New York PMSA	547.6	560.9	562.8	1,202.1	1,233.5	1,245.1	656.5	661.0	669.3
New York City	518.9	530.6	532.4	1,066.4	1,095.3	1,105.5	576.2	580.3	588.6
Niagara Falls	1.8	1.7	1.7	15.4	15.8	15.9	12.3	12.2	12.3
Orange County ..	4.0	4.0	4.0	20.0	20.2	20.3	22.0	22.1	22.1
Poughkeepsie	3.8	4.2	4.3	24.5	25.1	25.2	24.2	24.3	24.3
Rochester	20.0	20.7	20.5	103.1	106.8	106.4	64.4	64.8	64.9
Rockland County ...	3.6	3.7	3.7	22.5	23.0	23.2	21.3	21.2	21.2
Syracuse	18.5	18.8	18.7	67.6	70.5	70.1	49.4	50.7	51.1
Utica-Rome	6.2	6.5	6.5	24.1	24.4	24.6	28.9	29.6	29.6
Westchester County ..	24.5	25.9	26.1	108.8	110.5	111.7	55.3	55.7	55.7
North Carolina	114.7	122.2	123.1	442.4	459.6	466.6	436.9	444.2	445.8
Asheville	2.6	2.6	2.7	15.6	15.4	15.9	11.9	12.1	12.3
Charlotte-Gastonia-Rock Hill	31.6	33.9	33.8	95.1	96.9	98.8	60.7	61.6	62.1
Greensboro-Winston-Salem-High Point	20.9	21.7	21.9	75.0	76.1	77.1	51.3	51.7	52.2
Raleigh-Durham	20.7	22.8	22.7	84.4	88.7	89.3	86.5	87.4	87.7
North Dakota	12.3	12.4	12.5	58.5	59.2	59.5	64.7	65.6	65.6
Bismarck	1.6	1.6	1.6	10.1	10.3	10.3	8.1	8.6	8.6
Fargo-Moorhead	4.2	4.3	4.4	18.2	18.8	18.7	13.6	14.2	14.1
Grand Forks	1.1	1.1	1.1	6.0	6.3	6.3	9.3	9.2	9.4
Ohio	225.3	237.4	238.3	965.7	1,014.1	1,024.2	690.5	697.2	700.5
Akron	9.7	10.2	10.2	54.3	54.6	55.2	43.2	43.7	43.9
Canton	6.3	6.5	6.5	32.4	33.4	33.7	18.5	18.6	18.6
Cincinnati	36.6	38.9	39.2	148.4	156.3	158.2	86.2	87.5	88.1
Cleveland	50.4	53.3	53.6	216.9	227.4	229.1	116.0	117.1	117.6
Columbus	51.8	55.1	55.3	140.0	150.6	152.6	117.8	120.5	121.0
Dayton-Springfield	16.9	17.7	17.8	98.6	103.9	104.6	74.6	74.1	74.3
Toledo	10.7	11.3	11.4	64.2	70.7	71.8	42.2	42.7	43.1
Youngstown-Warren	7.8	8.2	8.3	41.3	43.0	43.3	24.5	25.1	25.1
Oklahoma	62.9	61.7	62.0	223.7	222.1	224.3	255.7	255.2	255.9
Enid	1.2	1.0	1.0	5.4	5.1	5.1	3.8	3.7	3.7
Lawton	1.6	1.5	1.5	5.8	5.4	5.4	11.6	11.4	11.4
Oklahoma City	26.7	25.7	26.0	86.3	85.4	86.0	100.4	98.1	98.1
Tulsa	17.4	17.3	17.3	68.8	69.7	70.3	37.2	37.7	37.2
Oregon	67.6	71.2	71.2	224.8	237.9	240.8	204.3	208.1	209.2
Eugene-Springfield	4.5	4.6	4.6	21.3	22.4	22.7	22.6	22.8	22.9
Portland	42.3	43.6	43.9	126.6	132.4	133.9	76.5	77.4	77.8
Salem	5.1	5.5	5.5	17.5	18.3	18.4	28.8	29.0	29.1
Pennsylvania	270.3	280.7	281.1	1,190.1	1,230.5	1,239.6	690.9	686.7	693.0
Allentown-Bethlehem	10.2	10.6	10.6	59.2	61.9	62.2	29.7	30.1	30.3
Altoona	1.5	1.5	1.5	9.7	9.9	10.0	7.0	7.1	7.1
Beaver County	1.7	1.7	1.7	10.6	10.7	10.9	7.9	7.5	7.5
Erie	4.9	4.9	4.9	24.5	25.2	25.5	13.8	13.7	13.9
Harrisburg-Lebanon-Carlisle	15.5	16.1	16.1	56.5	58.7	59.4	65.5	66.0	66.4
Johnstown	4.6	4.9	4.9	18.2	18.8	18.8	12.5	12.5	12.6
Lancaster	6.2	6.5	6.7	33.1	34.7	35.2	15.3	15.7	15.7
Philadelphia PMSA	148.6	155.2	156.6	574.5	598.2	602.7	299.7	299.6	300.8
Philadelphia City	68.3	70.3	70.4	241.0	247.9	247.0	140.7	138.8	139.3
Pittsburgh ..	50.6	52.0	52.2	247.9	254.5	256.8	105.1	103.6	104.9

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Pennsylvania-Continued									
Reading	140.5	144.9	145.6	(²)	(²)	(²)	5.0	5.3	5.5
Scranton-Wilkes-Barre	275.5	277.0	279.0	0.7	0.7	0.8	8.5	8.5	9.2
Sharon	39.8	39.5	40.4	.2	.1	.2	.8	.9	1.0
State College	50.5	52.3	51.9	.2	.2	.2	1.5	1.4	1.6
Williamsport	46.1	47.4	47.9	(²)	(²)	(²)	1.4	1.4	1.6
York	161.2	163.9	164.9	.4	.4	.4	7.4	7.8	8.0
Rhode Island	432.5	437.6	441.1	.1	.1	.1	14.5	15.4	15.8
Pawtucket-Woonsocket-Attleboro	127.8	129.3	130.7	.1	.1	.1	3.6	3.5	3.8
Providence	303.6	310.3	312.7	.1	.1	.1	10.9	13.7	14.0
South Carolina ..	1,322.8	1,353.2	1,365.8	1.6	1.6	1.6	86.5	86.2	88.2
Charleston	177.7	182.2	183.8	(¹)	(¹)	(¹)	13.6	14.1	14.2
Columbia	214.0	213.4	215.2	(¹)	(¹)	(¹)	13.7	14.5	14.6
Greenville-Spartanburg	290.8	300.9	302.3	(¹)	(¹)	(¹)	21.0	20.8	21.1
South Dakota	245.0	246.4	249.3	2.4	2.4	2.4	7.0	7.2	7.5
Rapid City	31.7	32.5	32.7	.2	.2	.2	1.7	1.9	1.8
Sioux Falls	61.5	62.0	62.4	(¹)	(¹)	(¹)	1.9	1.8	2.0
Tennessee	1,894.7	1,965.2	1,979.2	7.5	6.8	6.8	85.5	92.1	92.5
Chattanooga	178.1	180.9	181.8	.9	.9	.9	6.9	6.3	6.6
Johnson City-Kingsport-Bristol	151.7	153.4	154.9	.2	.1	.1	4.8	4.8	4.9
Knoxville	235.5	236.4	238.1	1.9	1.8	1.8	11.2	11.5	11.3
Memphis	395.7	408.4	409.9	.1	.1	.1	18.0	18.7	19.0
Nashville	447.2	453.3	456.9	.9	.7	.9	26.6	29.3	29.9
Texas	6,660.2	6,476.1	6,475.5	232.1	190.0	189.7	431.4	373.8	370.1
Abilene	52.5	50.3	50.1	3.2	2.2	2.2	2.7	2.3	2.3
Amarillo	79.3	77.3	76.9	1.6	1.3	1.3	4.2	4.0	3.9
Austin	365.7	362.7	362.9	1.1	1.0	1.0	25.0	21.3	21.1
Beaumont-Port Arthur	131.4	127.1	126.8	2.2	1.7	1.6	8.0	7.6	7.6
Brazoria	59.2	56.2	56.4	2.0	1.3	1.3	6.1	5.5	5.6
Brownsville-Harlingen	66.2	65.7	65.7	.1	.1	.1	3.0	2.7	2.7
Bryan-College Station	49.9	47.8	48.1	1.0	.8	.7	2.5	2.0	2.1
Corpus Christi	132.0	128.2	128.9	7.0	6.0	6.0	9.1	7.7	7.6
Dallas	1,344.6	1,312.9	1,313.3	23.0	19.0	19.1	87.3	67.8	67.0
El Paso	182.4	183.3	183.6	.2	.2	.1	9.9	9.7	9.7
Ft. Worth-Arlington	510.6	510.1	513.2	4.1	3.4	3.4	32.8	29.4	30.3
Galveston-Texas City	72.5	68.7	69.2	.6	.4	.4	6.1	4.0	3.8
Houston	1,447.5	1,369.2	1,370.2	79.6	62.7	62.5	99.7	83.7	83.5
Killeen-Temple	67.9	67.8	67.6	.1	.1	.1	3.8	3.7	3.7
Laredo	35.0	34.7	34.9	1.9	1.9	1.9	1.4	1.4	1.3
Longview-Marshall	67.2	64.6	64.5	4.6	3.5	3.6	3.5	3.0	3.0
Lubbock	91.3	90.5	90.6	.4	.3	.3	4.5	3.1	3.2
McAllen-Edinburg-Mission	87.7	88.3	88.2	1.2	1.1	1.0	4.6	4.6	4.6
Midland	48.0	44.2	44.0	10.7	8.8	8.8	1.8	1.5	1.5
Odessa	49.1	43.5	43.5	7.8	6.3	6.2	2.9	2.3	2.4
San Angelo	37.7	37.0	36.8	.8	.6	.6	2.2	2.0	2.0
San Antonio	493.7	493.3	492.6	3.0	2.6	2.6	37.3	31.7	31.2
Sherman-Denison	38.0	38.0	37.7	.2	.1	.1	1.7	1.8	1.8
Texarkana	44.7	44.5	44.6	.1	.1	.1	2.0	1.4	1.4
Tyler	62.2	60.0	59.8	2.4	1.9	1.9	3.1	2.6	2.6
Victoria	28.9	27.8	27.7	2.4	1.8	1.7	2.2	1.9	1.9
Waco	78.8	78.2	77.9	.2	.1	.1	4.1	3.8	3.8
Wichita Falls	50.9	50.1	50.2	2.5	2.0	2.0	2.2	2.0	2.0
Utah	629.6	632.1	636.3	8.3	8.4	8.4	30.0	26.1	27.1
Provo-Orem	73.0	73.7	74.5	(¹)	(¹)	(¹)	2.7	2.3	2.5
Salt Lake City-Ogden	437.4	442.0	444.4	1.8	2.6	2.6	21.1	19.1	19.8
Vermont	229.4	240.5	240.5	.4	.3	.5	12.4	13.9	13.5
Barre-Montpelier	30.7	32.3	32.5	.2	.1	.2	1.5	1.7	1.6
Burlington	70.3	71.9	72.3	(¹)	(¹)	(¹)	3.9	3.8	3.6

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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Pennsylvania-Continued									
Reading	47.7	48.4	48.2	6.3	6.6	6.7	30.1	31.0	31.3
Scranton-Wilkes-Barre	72.5	70.9	71.2	14.6	14.7	14.8	61.1	62.0	62.3
Sharon	10.0	8.9	8.9	2.1	1.8	1.8	10.0	10.5	10.7
State College	7.6	7.5	7.3	1.2	1.3	1.3	8.9	9.5	9.4
Williamsport	14.7	15.4	15.6	1.9	1.8	1.8	10.2	10.6	10.7
York	57.5	57.1	56.9	6.9	7.0	7.1	37.9	38.6	39.0
Rhode Island									
Pawtucket-Woonsocket-Attleboro ..	118.8	119.2	120.2	14.0	14.6	14.6	94.7	96.3	96.9
Providence ..	55.1	55.3	55.9	3.4	3.5	3.6	29.6	30.2	30.3
	75.0	74.6	75.3	10.8	11.4	11.4	64.8	67.1	67.5
South Carolina									
Charleston	363.3	364.0	364.0	55.7	56.2	56.5	281.0	294.3	298.1
Columbia	19.7	20.6	20.5	8.9	9.0	9.0	42.9	44.5	45.0
Greenville-Spartanburg ..	27.8	28.8	28.8	9.9	10.0	10.1	47.1	45.8	46.2
	96.9	98.2	98.4	10.1	10.9	10.9	65.0	68.9	69.2
South Dakota									
Rapid City	27.2	28.5	28.5	12.6	12.5	12.5	63.0	63.2	64.1
Sioux Falls ..	2.8	3.1	3.1	1.9	1.8	1.7	9.1	9.5	9.6
	8.2	8.4	8.4	4.6	4.7	4.6	16.4	16.2	16.4
Tennessee									
Chattanooga	488.6	492.5	493.4	94.8	97.2	97.8	437.0	456.0	461.8
Johnson City-Kingsport-Bristol ...	44.0	43.7	43.7	8.5	8.6	8.7	40.4	41.6	41.5
Knoxville	52.1	52.0	51.9	6.1	6.3	6.3	33.2	33.5	33.7
Memphis	51.1	50.5	50.3	9.0	8.9	9.1	58.0	55.7	56.7
Nashville	51.4	51.6	52.3	34.3	36.7	36.9	108.6	110.2	110.5
	89.5	88.6	88.6	22.1	22.1	22.1	108.0	108.4	109.0
Texas									
Abilene	972.7	942.5	943.8	374.4	375.9	375.1	1,680.6	1,647.6	1,645.3
Amarillo	5.3	4.8	4.7	2.6	2.6	2.5	14.3	14.2	14.2
Austin	9.7	9.7	9.8	6.1	5.8	5.5	23.1	22.6	22.6
Beaumont-Port Arthur ..	40.8	39.4	39.6	11.1	11.4	11.4	81.2	80.1	80.1
Brazoria	25.6	24.0	23.9	10.2	9.7	9.5	32.2	31.2	31.2
Brownsville-Harlingen ..	16.2	15.2	15.2	2.5	2.2	2.2	11.5	10.8	11.0
Bryan-College Station ...	9.6	9.6	9.5	3.1	3.0	3.0	18.1	17.8	17.7
Corpus Christi	3.4	2.8	2.8	1.6	1.6	1.6	11.0	10.9	10.9
Dallas	12.4	11.8	11.9	7.4	7.2	7.2	34.0	33.8	34.0
El Paso	229.9	222.2	222.4	86.3	86.0	86.0	356.3	352.8	352.8
Ft. Worth-Arlington	35.8	34.1	34.4	9.9	9.8	9.7	44.3	44.8	45.1
Galveston-Texas City ...	113.8	111.9	113.2	26.0	27.1	27.3	135.5	134.9	134.6
Houston	9.7	9.0	9.0	5.0	4.6	4.6	13.4	13.1	13.3
Killeen-Temple ..	162.4	147.5	147.5	97.1	92.1	91.4	366.0	349.2	347.8
Laredo	8.9	8.6	8.5	2.8	2.7	2.8	16.0	15.9	15.9
Longview-Marshall	1.9	1.8	1.9	3.8	3.9	3.9	10.4	9.8	10.0
Lubbock	15.8	14.8	14.9	3.4	3.1	3.1	17.2	17.1	17.0
McAllen-Edinburg-Mission ..	7.4	7.2	7.3	4.7	4.5	4.5	27.2	27.6	27.4
Midland	11.8	12.6	12.3	2.9	2.9	2.8	25.9	25.9	26.1
Odessa	3.6	3.1	2.9	2.4	2.3	2.2	10.9	10.6	10.6
San Angelo	4.5	3.5	3.5	2.2	2.0	2.0	14.5	13.0	13.0
San Antonio	5.6	5.8	5.8	3.4	3.2	3.2	9.5	9.4	9.3
Sherman-Denison	48.9	45.9	45.3	19.1	18.2	18.1	127.0	129.4	129.7
Texarkana	11.8	11.0	11.1	1.9	2.1	2.1	8.3	8.8	8.6
Tyler	7.0	7.1	7.1	1.9	1.9	1.9	10.6	10.7	10.7
Victoria	11.7	11.0	10.9	3.0	2.7	2.7	16.3	16.1	16.0
Waco	2.9	3.0	2.9	1.6	1.5	1.4	8.0	7.7	7.8
Wichita Falls	16.2	14.8	14.5	3.4	3.4	3.3	18.7	19.2	19.3
	8.2	8.1	8.0	2.7	2.6	2.6	12.3	12.3	12.4
Utah									
Provo-Orem	92.7	89.5	89.7	37.5	37.4	37.4	148.0	152.2	153.4
Salt Lake City-Ogden ...	11.4	9.9	10.0	2.4	2.6	2.6	15.0	15.8	15.9
	62.3	60.8	61.0	28.9	28.9	28.9	108.3	111.8	112.5
Vermont									
Barre-Montpelier ..	49.1	49.4	49.6	9.4	10.0	10.1	50.6	54.2	53.8
Burlington	4.4	4.5	4.5	.8	.8	.8	6.5	6.9	7.1
	17.0	16.4	16.6	2.9	3.0	3.0	15.7	16.4	16.5

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	Finance, insurance, and real estate			Services			Government		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Pennsylvania-Continued									
Reading	6.9	7.4	7.6	27.7	28.9	29.1	16.8	17.3	17.2
Scranton-Wilkes-Barre	11.4	12.1	12.2	64.7	66.6	66.7	42.0	41.5	41.8
Sharon	1.3	1.4	1.4	10.1	10.7	11.1	5.3	5.2	5.3
State College	1.5	1.6	1.6	8.5	9.0	9.0	21.1	21.8	21.5
Williamsport ..	2.2	2.2	2.2	9.2	9.4	9.4	6.5	6.6	6.6
York	4.6	4.8	5.0	28.4	30.2	30.3	18.1	18.0	18.2
Rhode Island									
Pawtucket-Woonsocket-Attleboro	3.4	3.5	3.5	22.8	23.4	23.6	9.8	9.8	9.9
Providence	20.4	21.5	21.5	77.6	78.3	79.2	44.0	43.6	43.7
South Carolina									
Charleston	8.1	8.4	8.8	35.6	36.4	36.8	48.8	49.1	49.4
Columbia	17.2	17.1	17.4	38.6	39.3	39.8	59.4	57.6	58.0
Greenville-Spartanburg	11.4	11.5	11.5	46.4	48.8	49.0	39.7	41.5	41.9
South Dakota									
Rapid City ..	1.6	1.6	1.6	7.9	7.8	7.9	6.5	6.6	6.7
Sioux Falls ..	6.0	5.8	5.9	17.0	17.7	17.6	7.4	7.4	7.4
Tennessee									
Chattanooga	10.7	11.8	11.8	34.9	34.9	35.3	31.7	33.1	33.3
Johnson City-Kingsport-Bristol	4.8	4.8	4.8	26.4	26.4	26.8	24.1	25.5	26.4
Knoxville	8.8	8.4	8.4	47.6	48.5	49.3	47.9	51.1	51.2
Memphis	22.3	23.2	23.4	90.6	97.2	97.4	70.4	70.7	70.3
Nashville ..	30.3	30.3	30.0	104.9	107.1	109.1	64.9	66.8	67.3
Texas									
Abilene	2.6	2.6	2.6	13.4	13.3	13.3	8.4	8.3	8.3
Amarillo ..	4.4	4.4	4.4	16.0	16.1	16.1	14.2	13.4	13.3
Austin	25.1	25.5	25.5	83.0	83.7	83.8	98.4	100.3	100.4
Beaumont-Port Arthur	5.5	5.4	5.5	27.6	27.4	27.4	20.1	20.1	20.1
Brazoria	2.2	1.9	2.0	7.9	7.7	7.7	10.8	11.6	11.4
Brownsville-Harlingen	3.5	3.3	3.4	13.3	13.6	13.7	15.5	15.6	15.6
Bryan-College Station	1.9	1.7	1.7	8.1	7.7	7.7	20.4	20.3	20.6
Corpus Christi	6.8	6.8	6.9	27.7	27.6	28.0	27.6	27.3	27.3
Dallas	132.5	131.2	130.9	287.0	284.1	285.3	142.3	149.8	149.8
El Paso	9.5	9.8	9.8	33.9	35.0	35.1	38.9	39.9	39.7
Ft. Worth-Arlington	28.1	28.4	28.4	106.7	111.1	111.9	63.6	63.9	64.1
Galveston-Texas City	4.5	4.4	4.4	12.5	12.5	12.9	20.7	20.7	20.8
Houston	106.2	100.6	101.2	345.0	342.8	344.9	191.5	190.6	191.4
Killeen-Temple	3.2	3.0	3.0	13.4	14.1	13.9	19.7	19.7	19.7
Laredo	1.6	1.6	1.6	5.7	5.9	5.9	8.3	8.4	8.4
Longview-Marshall	3.2	3.4	3.3	11.2	11.3	11.2	8.3	8.4	8.4
Lubbock	5.5	5.3	5.3	19.9	20.8	20.7	21.7	21.7	21.9
McAllen-Edinburg-Mission	4.1	3.7	3.7	14.0	13.6	13.8	23.2	23.9	23.9
Midland	3.1	2.9	2.9	9.2	8.7	8.8	6.3	6.3	6.3
Odessa	1.7	1.7	1.6	7.8	7.1	7.1	7.7	7.6	7.7
San Angelo	1.8	1.8	1.8	7.7	7.5	7.5	6.7	6.7	6.6
San Antonio	38.0	38.9	39.1	112.8	116.7	116.6	107.6	109.9	110.0
Sherman-Denison	1.3	1.4	1.3	7.6	7.6	7.6	5.2	5.2	5.1
Texarkana	1.9	1.8	1.8	8.9	8.9	9.0	12.3	12.6	12.6
Tyler	3.8	3.7	3.6	13.1	13.2	13.3	8.8	8.8	8.8
Victoria	1.6	1.5	1.5	5.8	6.0	6.0	4.4	4.4	4.5
Waco	4.7	4.8	4.9	19.2	19.7	19.6	12.3	12.4	12.4
Wichita Falls ..	2.4	2.4	2.4	11.0	11.2	11.2	9.6	9.5	9.6
Utah									
Provo-Orem	2.1	2.3	2.4	25.6	26.8	27.1	13.7	13.9	14.1
Salt Lake City-Ogden	26.8	27.4	27.5	93.1	95.3	96.1	95.1	96.1	96.0
Vermont									
Barre-Montpelier	2.7	2.9	3.0	6.6	7.3	7.1	8.0	8.1	8.2
Burlington	3.2	3.3	3.3	16.0	17.7	17.8	11.6	11.3	11.5

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Virginia ..	2,494.0	2,568.0	2,591.5	16.7	15.5	15.5	155.2	161.4	166.2
Bristol	29.5	30.3	30.5	.1	.1	.1	.8	.7	.7
Charlottesville	60.3	62.3	62.8	.1	.1	.1	3.1	3.4	3.5
Danville	38.3	38.8	38.7	.1	.1	.1	1.3	1.1	1.1
Lynchburg	69.3	70.3	70.5	.1	.1	.1	2.7	2.9	3.0
Norfolk-Virginia Beach-Newport News ..	519.6	526.4	529.9	.1	.1	.1	35.8	34.6	34.0
Northern Virginia	637.5	661.4	667.8	.5	.4	.4	44.1	43.6	44.3
Richmond-Petersburg ..	408.3	419.7	424.9	.4	.3	.4	23.8	24.8	26.0
Roanoke ..	115.5	117.6	118.3	.1	.1	.1	6.1	6.2	6.5
Washington ..	1,736.7	1,770.9	1,789.8	2.8	2.8	2.9	78.9	80.6	83.9
Seattle ..	871.3	898.0	903.7	.6	.6	.6	42.4	42.4	43.0
West Virginia	585.9	584.9	590.5	41.8	36.8	36.5	18.5	19.7	21.4
Charleston	105.0	105.7	106.6	2.5	2.2	2.3	3.5	3.9	4.3
Huntington-Ashland	99.1	98.9	100.0	.9	1.0	1.0	3.2	3.1	3.4
Parkersburg-Marietta	57.0	57.9	58.6	.8	.8	.8	2.3	2.5	2.6
Wheeling	55.9	55.9	56.3	2.4	2.4	2.4	1.3	1.3	1.5
Wisconsin	1,968.4	1,999.5	2,006.9	1.3	1.4	1.6	53.7	55.4	55.7
Appleton-Oshkosh-Neenah	137.0	137.6	139.2	(¹)	(¹)	(¹)	5.0	4.8	4.8
Eau Claire	51.5	54.4	55.5	(¹)	(¹)	(¹)	1.2	1.3	1.2
Green Bay	89.3	90.0	90.8	(¹)	(¹)	(¹)	3.5	2.6	2.7
Janesville-Beloit	52.4	52.2	52.3	(¹)	(¹)	(¹)	1.1	1.3	1.2
Kenosha	37.1	38.2	38.5	(¹)	(¹)	(¹)	1.0	.9	1.0
La Crosse ..	47.8	48.8	48.8	(¹)	(¹)	(¹)	1.1	1.0	1.0
Madison	188.1	190.4	191.6	(¹)	(¹)	(¹)	5.6	4.9	4.7
Milwaukee	664.5	677.6	678.4	(¹)	(¹)	(¹)	17.9	18.9	19.1
Racine	66.7	67.5	68.2	(¹)	(¹)	(¹)	1.5	1.8	2.1
Sheboygan	43.2	44.6	44.9	(¹)	(¹)	(¹)	1.2	1.0	1.0
Wausau ..	43.2	44.4	44.8	(¹)	(¹)	(¹)	1.2	1.2	1.4
Wyoming ..	197.0	185.3	185.2	21.0	17.3	17.3	16.1	11.1	11.1
Puerto Rico	706.1	723.2	726.3	.7	.9	.9	24.6	31.9	32.6
Caguas	43.3	43.5	44.0	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Mayaguez	51.5	51.5	51.7	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Ponce	45.2	45.9	45.7	.1	.1	.1	2.4	3.3	3.3
San Juan ..	435.3	445.7	447.4	.4	.6	.5	18.7	24.6	25.3
Virgin Islands	37.6	38.4	(¹)	(¹)	(¹)	(¹)	2.2	2.2	(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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Virginia ..	422.3	422.7	422.4	133.6	139.8	140.4	557.5	580.4	586.1
Bristol	9.5	9.5	9.6	1.1	1.2	1.2	7.7	8.3	8.3
Charlottesville	8.5	8.6	8.1	2.1	2.1	2.1	11.5	11.5	11.7
Danville	16.2	16.7	16.6	.9	1.0	1.0	7.9	7.9	7.9
Lynchburg	23.9	24.2	24.1	2.9	2.9	2.9	13.1	13.3	13.2
Norfolk-Virginia Beach-Newport News ..	69.0	66.1	66.4	25.5	25.4	25.5	125.2	130.0	130.9
Northern Virginia	33.9	34.4	34.4	43.9	47.4	47.5	148.7	153.9	154.7
Richmond-Petersburg	63.0	63.5	63.5	21.9	22.1	22.2	98.3	99.9	100.9
Roanoke	20.8	20.6	20.6	8.9	8.7	8.7	30.6	31.7	31.9
Washington ..	300.3	299.8	302.5	94.1	94.9	95.1	421.3	431.5	435.6
Seattle	169.3	176.1	176.7	56.5	57.3	57.0	213.6	221.6	222.7
West Virginia ..	85.9	86.3	86.0	37.0	35.5	35.6	132.2	132.5	134.6
Charleston	12.4	12.2	12.1	8.4	8.0	8.1	27.2	27.5	27.6
Huntington-Ashland	19.5	19.2	19.3	7.4	7.1	7.1	25.1	25.1	25.3
Parkersburg-Marietta	14.2	13.9	14.0	2.0	2.0	1.9	13.5	14.0	14.2
Wheeling	7.4	6.5	6.4	3.0	2.9	3.0	14.6	15.5	15.6
Wisconsin	505.1	505.0	507.2	91.9	90.8	91.1	456.3	470.4	472.8
Appleton-Oshkosh-Neenah ..	48.4	47.7	48.3	5.3	5.2	5.3	28.5	29.2	29.5
Eau Claire	9.6	9.8	10.2	2.8	3.0	3.0	14.2	16.1	16.2
Green Bay	23.7	23.4	23.5	6.3	6.4	6.4	23.1	23.8	23.8
Janesville-Beloit ..	17.4	16.4	16.0	2.0	1.9	1.9	12.9	13.2	13.3
Kenosha	11.3	12.1	12.2	1.3	1.3	1.3	8.0	8.2	8.3
La Crosse	10.3	10.0	10.0	2.3	2.2	2.2	12.7	13.8	13.7
Madison	20.5	21.1	21.5	6.4	6.5	6.5	40.3	42.0	42.2
Milwaukee	168.8	166.3	166.1	34.6	34.6	34.6	148.6	155.7	156.3
Racine	24.4	24.1	24.2	2.3	2.3	2.3	15.2	15.9	16.1
Sheboygan	18.3	18.9	19.0	1.4	1.4	1.4	8.1	8.5	8.5
Wausau	11.5	12.0	12.1	2.7	2.7	2.7	10.7	11.1	11.2
Wyoming ...	7.5	7.5	7.6	14.1	13.9	13.8	44.2	43.0	43.0
Puerto Rico	152.4	150.1	150.3	14.3	15.5	14.8	121.9	125.3	125.7
Caguas	14.8	15.2	15.4	(¹)	(¹)	(¹)	8.1	8.0	7.9
Mayaguez	20.5	20.0	20.1	(¹)	(¹)	(¹)	6.6	6.8	6.9
Ponce	9.5	8.9	8.7	(¹)	(¹)	(¹)	7.0	7.5	7.5
San Juan ..	65.6	64.0	64.0	11.1	11.7	11.1	84.7	86.4	86.8
Virgin Islands ...	1.7	1.8	(¹)	2.4	2.5	(¹)	8.7	8.7	(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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Virginia ..	126.1	133.6	134.3	557.8	585.7	593.4	524.7	528.8	533.1
Bristol .....	.9	.9	.9	4.4	4.4	4.4	5.2	5.3	5.3
Charlottesville	2.8	3.1	3.1	10.3	10.8	10.9	21.9	22.7	23.4
Danville	1.2	1.1	1.1	5.7	5.7	5.8	5.1	5.3	5.3
Lynchburg	3.2	3.3	3.3	13.7	14.3	14.4	9.6	9.5	9.5
Norfolk-Virginia Beach-Newport News ..	23.1	24.3	24.4	114.7	119.7	122.0	126.2	126.3	126.7
Northern Virginia	38.2	41.8	42.2	192.0	201.2	204.0	136.2	138.7	140.3
Richmond-Petersburg	32.8	33.9	34.2	80.6	85.3	87.6	87.7	89.9	90.2
Roanoke	7.4	8.1	8.1	26.0	26.6	26.7	15.4	15.6	15.7
Washington ..	103.3	106.4	106.9	384.4	399.4	404.2	351.6	355.5	358.7
Seattle	65.1	66.7	66.7	196.1	203.8	206.7	127.7	129.5	130.3
West Virginia ..	23.2	24.1	24.2	119.3	122.2	122.5	128.0	127.8	129.7
Charleston	5.9	6.0	6.0	24.0	24.8	25.1	21.1	21.1	21.1
Huntington-Ashland	4.1	4.3	4.3	19.3	20.0	20.2	19.6	19.1	19.4
Parkersburg-Marietta	2.1	2.1	2.1	12.6	12.8	13.0	9.5	9.8	10.0
Wheeling	2.6	2.6	2.6	15.3	15.5	15.5	9.3	9.2	9.3
Wisconsin	105.2	108.8	109.4	423.7	435.3	436.2	331.2	332.6	333.0
Appleton-Oshkosh-Neenah ..	6.8	7.1	7.2	25.6	26.6	27.0	17.4	17.0	17.1
Eau Claire	1.8	1.8	1.9	10.8	12.0	12.1	11.1	10.3	10.9
Green Bay	3.1	3.3	3.3	18.9	19.8	20.0	10.7	10.8	11.0
Janesville-Beloit	1.6	1.7	1.7	10.7	10.9	11.0	6.7	6.9	7.1
Kenosha	1.0	1.1	1.1	8.2	8.4	8.3	6.3	6.3	6.3
La Crosse	1.4	1.4	1.4	12.5	13.1	13.1	7.5	7.3	7.4
Madison	16.4	17.1	17.2	39.9	40.3	40.9	59.0	58.3	58.4
Milwaukee ..	45.3	46.8	47.0	167.2	173.0	173.3	81.8	82.0	81.6
Racine	2.1	2.1	2.1	12.9	12.8	13.2	8.2	8.3	8.2
Sheboygan	2.0	2.0	2.0	6.8	7.3	7.3	5.3	5.6	5.6
Wausau	3.3	3.4	3.4	7.6	7.9	7.9	6.2	6.0	6.0
Wyoming ...	8.0	8.0	8.0	31.9	31.6	31.6	54.3	52.9	52.7
Puerto Rico	32.2	33.3	33.4	98.2	101.2	103.4	261.9	265.0	265.3
Caguas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	14.9	14.9	14.9
Mayaguez	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	16.2	16.3	16.2
Ponce	(¹)	(¹)	(¹)	7.9	7.7	7.8	15.4	15.4	15.4
San Juan	26.1	27.0	27.1	72.1	73.9	74.6	156.6	157.6	157.8
Virgin Islands	1.6	1.6	(¹)	7.9	8.9	(¹)	13.1	12.7	(¹)

¹ Not available.
² Combined with construction.
³ = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1986 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
1986	34.8	8.75	304.50	42.3	12.45	526.64	37.5	12.42	465.75
Monthly data, not seasonally adjusted									
1986:									
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	35.1	8.70	305.37	42.3	12.51	529.17	38.4	12.39	475.78
September	34.8	8.81	306.59	42.3	12.52	529.60	38.5	12.54	482.79
October	34.7	8.81	305.71	42.2	12.51	527.92	38.0	12.62	479.56
November	34.7	8.85	307.10	41.6	12.57	522.91	36.5	12.59	459.54
December	34.9	8.83	308.17	42.6	12.60	536.76	36.9	12.70	468.63
1987:									
January	34.4	8.88	305.47	42.8	12.67	542.28	37.3	12.53	467.37
February	34.6	8.89	307.59	42.4	12.60	534.24	36.9	12.46	459.77
March ^p	34.6	8.89	307.59	42.1	12.56	528.78	37.5	12.55	470.63
April ^p	34.5	8.89	306.71	41.8	12.43	519.57	37.5	12.54	470.25

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
1986	40.7	9.73	9.33	396.01	39.2	11.63	455.90	38.4	9.35	359.04
Monthly data, not seasonally adjusted										
1986:										
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	40.7	9.68	9.27	393.98	39.4	11.61	457.43	38.5	9.32	358.82
September	41.0	9.73	9.31	398.93	39.1	11.70	457.47	38.3	9.37	358.87
October	40.8	9.72	9.31	396.58	39.1	11.68	456.69	38.4	9.35	359.04
November	41.0	9.77	9.36	400.57	39.3	11.75	461.78	38.4	9.46	363.26
December	41.6	9.84	9.41	409.34	39.2	11.71	459.03	38.4	9.47	363.65
1987:										
January	40.8	9.83	9.43	401.06	38.7	11.73	453.95	38.1	9.49	361.57
February	40.8	9.83	9.43	401.06	39.1	11.77	460.21	38.1	9.55	363.86
March ^a	40.9	9.84	9.43	402.46	39.1	11.75	459.43	38.1	9.53	363.09
April ^b	40.4	9.87	9.48	398.75	38.8	11.79	457.45	38.1	9.55	363.86

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
1986	29.2	6.02	175.78	36.5	8.34	304.41	32.5	8.16	265.20
Monthly data, not seasonally adjusted									
1986:									
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	29.9	5.97	178.50	36.6	8.33	304.88	32.8	8.05	264.04
September	29.2	6.05	176.66	36.4	8.37	304.67	32.3	8.19	264.54
October	29.0	6.04	175.16	36.6	8.38	306.71	32.4	8.22	266.33
November	29.1	6.07	176.64	36.7	8.54	313.42	32.4	8.31	269.24
December	29.5	6.05	178.48	36.6	8.46	309.64	32.4	8.31	269.24
1987:									
January	28.4	6.07	172.39	36.5	8.58	313.17	32.2	8.36	269.19
February	28.8	6.06	174.53	36.5	8.71	317.92	32.3	8.41	271.64
March ^p	28.9	6.06	175.13	36.4	8.69	316.32	32.3	8.40	271.32
April ^p	29.2	6.06	176.95	36.4	8.63	314.13	32.2	8.38	269.84

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Total private		34.7	34.6	34.6	34.6	34.5					
Mining		42.3	42.0	42.4	42.1	41.8					
Metal mining	10	41.7	41.3	42.3	42.2						
Iron ores	101	42.3	40.5	43.5	42.1						
Copper ores	102	41.5	41.1	42.4	42.7						
Coal mining	11,12	41.3	40.5	42.8	42.4						
Bituminous coal and lignite mining	12	41.3	40.5	42.9	42.5						
Oil and gas extraction	13	42.7	42.0	41.8	41.3						
Crude petroleum, natural gas, and natural gas liquids	131,2	43.3	42.5	40.8	40.2						
Oil and gas field services	138	42.4	41.7	42.5	42.0						
Nonmetallic minerals, except fuels	14	42.8	44.9	43.2	44.0						
Crushed and broken stone	142	44.4	46.8	43.8	45.1						
Construction		36.4	37.6	36.9	37.5	37.5					
General building contractors	15	36.4	37.1	36.9	37.4						
Residential building construction	152	35.5	36.2	36.1	37.0						
Operative builders	153	39.3	40.2	37.0	36.9						
Nonresidential building construction	154	37.1	37.9	37.7	38.0						
Heavy construction contractors	16	39.3	41.2	41.3	41.2						
Highway and street construction	161	38.3	41.1	41.0	40.6						
Heavy construction, except highway	162	39.7	41.3	41.5	41.5						
Special trade contractors	17	35.6	36.7	35.9	36.6						
Plumbing, heating, and air conditioning	171	37.2	37.9	37.5	38.0						
Painting, paper hanging, and decorating	172	33.9	34.9	34.7	35.3						
Electrical work	173	38.5	38.5	37.8	38.6						
Masonry, stonework, and plastering	174	34.1	35.1	33.7	34.5						
Carpentering and flooring	175	33.5	34.2	34.9	35.5						
Roofing and sheet metal work	176	30.6	33.2	31.8	32.1						
Manufacturing		40.7	40.5	40.8	40.9	40.4	3.4	3.2	3.5	3.6	3.3
Durable goods		41.4	41.2	41.5	41.6	41.1	3.5	3.4	3.6	3.7	3.4
Lumber and wood products	24	40.0	40.2	40.5	40.7	40.6	3.2	3.3	3.5	3.7	
Logging camps and logging contractors	241	39.4	39.5	40.3	39.8	-	3.3	3.7	4.2	4.2	
Sawmills and planing mills	242	41.4	41.5	42.0	41.8		4.0	4.1	4.5	4.5	
Sawmills and planing mills, general	2421	41.6	41.8	42.2	41.9		4.2	4.3	4.7	4.7	
Hardwood dimension and flooring	2426	40.9	40.9	41.3	41.7		3.1	3.1	3.8	4.2	
Millwork, plywood, and structural members	243	40.3	40.4	40.5	41.1		3.1	3.2	3.3	3.6	
Millwork	2431	40.3	40.4	39.7	41.4		2.5	2.5	2.0	3.1	
Wood kitchen cabinets	2434	38.7	38.4	39.7	40.2		2.4	2.6	3.2	3.2	
Hardwood veneer and plywood	2435	40.6	41.1	41.1	41.2		3.5	3.7	4.1	4.1	
Softwood veneer and plywood	2436	43.2	42.7	43.8	42.4		5.3	5.0	5.4	5.2	
Wood containers	244	38.5	38.2	38.3	38.6		2.4	2.2	2.3	2.6	
Wood buildings and mobile homes	245	36.6	37.1	36.6	38.0		1.5	1.8	1.5	1.9	
Mobile homes	2451	37.3	37.1	36.3	37.7		1.5	1.6	1.2	1.6	
Miscellaneous wood products	249	39.8	40.0	40.4	40.4		3.0	3.0	3.3	3.4	
Furniture and fixtures	25	39.2	38.9	39.3	39.8	39.0	2.4	2.3	2.7	2.7	
Household furniture	251	38.8	38.4	39.4	39.9	-	2.3	2.2	2.8	2.9	
Wood household furniture	2511	38.9	39.0	39.5	40.3		2.3	2.4	2.9	3.0	
Upholstered household furniture	2512	37.8	37.1	39.1	39.1		1.8	1.4	2.5	2.5	
Metal household furniture	2514	41.1	40.7	41.3	41.5		4.2	4.0	4.2	4.1	
Mattresses and bedsprings	2515	38.4	37.4	38.4	38.8		2.1	1.9	2.3	2.9	
Office furniture	252	40.1	39.2	38.4	39.4		2.6	2.5	2.1	2.4	
Public building and related furniture	253	39.1	39.7	40.0	39.5		2.2	2.7	3.1	2.3	
Partitions and fixtures	254	40.4	40.5	40.1	39.7		2.6	2.6	2.8	2.5	
Miscellaneous furniture and fixtures	259	39.3	39.4	38.2	39.8		2.0	2.1	1.8	2.8	
Stone, clay, and glass products	32	41.5	42.5	41.9	42.3	42.2	4.5	5.0	4.6	4.8	
Flat glass	321	44.5	45.1	45.5	45.3	-	5.9	6.7	6.6	6.1	
Glass and glassware, pressed or blown	322	41.7	41.8	42.8	42.7		4.7	4.7	4.4	4.5	

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Total private		\$8.73	\$8.72	\$8.89	\$8.89	\$8.89	\$302.93	\$301.71	\$307.59	\$307.59	\$306.71
Mining		12.35	12.43	12.60	12.56	12.43	522.41	522.06	534.24	528.78	519.57
Metal mining	10	13.38	13.54	12.81	12.89		557.95	559.20	541.86	543.96	
Iron ores	101	13.91	13.94	14.21	14.67		588.39	564.57	618.14	617.61	
Copper ores	102	12.73	13.02	11.33	11.36		528.30	535.12	480.39	485.07	
Coal mining	11,12	15.17	15.25	15.76	15.70		626.52	617.63	674.53	665.68	
Bituminous coal and lignite mining	12	15.22	15.30	15.81	15.75		628.59	619.65	678.25	669.38	
Oil and gas extraction	13	11.56	11.64	11.53	11.52		493.61	488.88	481.95	475.78	
Crude petroleum, natural gas, and natural gas liquids	131,2	13.75	13.68	14.10	14.13		595.38	581.40	575.28	568.03	
Oil and gas field services	138	10.32	10.38	9.91	9.89		437.57	432.85	421.18	415.38	
Nonmetallic minerals, except fuels	14	10.18	10.30	10.57	10.56		435.70	462.47	456.62	464.64	
Crushed and broken stone	142	9.49	9.72	9.74	9.83		421.36	454.90	426.61	443.33	
Construction		12.22	12.29	12.46	12.55	12.54	444.81	462.10	459.77	470.63	470.25
General building contractors	15	11.22	11.26	11.44	11.52		408.41	417.75	422.14	430.85	
Residential building construction	152	10.63	10.67	10.82	10.89		377.37	386.25	390.60	402.93	
Operative builders	153	9.41	9.46	9.94	10.06		369.81	380.29	367.78	371.21	
Nonresidential building construction	154	11.89	11.96	12.15	12.24		441.12	453.28	458.06	465.12	
Heavy construction contractors	16	11.41	11.75	11.56	11.69		448.41	484.10	477.43	481.63	
Highway and street construction	161	10.39	11.22	11.00	11.23		397.94	461.14	451.00	455.94	
Heavy construction, except highway	162	11.84	12.03	11.82	11.92		470.05	496.84	490.53	494.68	
Special trade contractors	17	12.92	12.91	13.14	13.22		459.95	473.80	471.73	483.85	
Plumbing, heating, and air conditioning	171	13.13	13.15	13.36	13.48		488.44	498.39	501.00	512.24	
Painting, paper hanging, and decorating	172	11.85	11.84	12.19	12.16		401.72	413.22	422.99	429.25	
Electrical work	173	14.29	14.28	14.56	14.67		550.17	549.78	550.37	566.26	
Masonry, stonework, and plastering	174	12.91	13.00	13.21	13.30		440.23	456.30	445.18	458.85	
Carpentering and flooring	175	12.13	12.40	12.21	12.32		406.36	424.08	426.13	437.36	
Roofing and sheet metal work	176	11.38	11.29	11.34	11.32		348.23	374.83	360.61	363.37	
Manufacturing		9.72	9.70	9.83	9.84	9.87	395.60	392.85	401.06	402.46	398.75
Durable goods		10.30	10.28	10.39	10.38	10.39	426.42	423.54	431.19	431.81	427.03
Lumber and wood products	24	8.33	8.32	8.33	8.30	8.36	333.20	334.46	337.37	337.81	339.42
Logging camps and logging contractors	241	10.98	11.00	10.60	10.47	-	432.61	434.50	427.18	416.71	-
Sawmills and planing mills	242	8.60	8.61	8.48	8.42		356.04	357.32	356.16	351.96	
Sawmills and planing mills, general	2421	9.01	9.02	8.87	8.78		374.82	377.04	374.31	367.88	
Hardwood dimension and flooring	2426	6.51	6.50	6.62	6.67		266.26	265.85	273.41	278.14	
Millwork, plywood, and structural members	243	8.25	8.23	8.31	8.34		332.48	332.49	336.56	342.77	
Millwork	2431	8.46	8.42	8.49	8.66		340.94	340.17	337.05	358.52	
Wood kitchen cabinets	2434	7.40	7.46	7.66	7.58		286.38	286.46	304.10	304.72	
Hardwood veneer and plywood	2435	6.81	6.77	6.83	6.84		276.49	278.25	280.71	281.81	
Softwood veneer and plywood	2436	9.82	9.80	9.72	9.66		424.22	418.46	425.74	409.58	
Wood containers	244	5.92	5.93	6.04	6.06		227.92	226.53	231.33	233.92	
Wood buildings and mobile homes	245	7.54	7.60	7.78	7.94		275.96	281.96	284.75	301.72	
Mobile homes	2451	7.55	7.63	7.75	7.98		281.62	283.07	281.33	300.85	
Miscellaneous wood products	249	7.16	7.21	7.21	7.18		284.97	288.40	291.28	290.07	
Furniture and fixtures	25	7.35	7.36	7.55	7.55	7.55	288.12	286.30	296.72	300.49	294.45
Household furniture	251	6.79	6.78	7.01	7.03	-	263.45	260.35	276.19	280.50	-
Wood household furniture	2511	6.33	6.33	6.53	6.52		246.24	246.87	257.94	262.76	
Upholstered household furniture	2512	7.40	7.43	7.69	7.72		279.72	275.65	300.68	301.85	
Metal household furniture	2514	6.75	6.76	7.06	7.02		277.43	275.13	291.58	291.33	
Mattresses and bedsprings	2515	7.20	7.16	7.34	7.43		276.48	267.78	281.86	288.28	
Office furniture	252	8.27	8.30	8.42	8.41		331.63	325.36	323.33	331.35	
Public building and related furniture	253	7.90	7.95	8.05	7.99		308.89	315.62	322.00	315.61	
Partitions and fixtures	254	8.72	8.75	9.05	9.07		352.29	354.38	362.91	360.08	
Miscellaneous furniture and fixtures	259	7.72	7.71	8.03	7.99		303.40	303.77	306.75	318.00	
Stone, clay, and glass products	32	9.93	10.00	10.15	10.14	10.26	412.10	425.00	425.29	428.92	432.97
Flat glass	321	14.06	14.27	14.40	14.45	-	625.67	643.58	655.20	654.59	-
Glass and glassware, pressed or blown	322	10.90	10.94	11.17	11.09		454.53	457.29	478.08	473.54	

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 weekly hours					Average overtime hours				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
		Durable goods—Continued									
Stone, clay, and glass products—Continued											
Glass containers	3221	42.0	41.9	44.4	43.9		5.8	5.7	5.3	5.4	
Pressed and blown glass, nec	3229	41.3	41.6	40.9	41.3		3.4	3.4	3.3	3.5	
Products of purchased glass	323	41.6	41.1	42.0	41.7		3.1	2.9	4.0	3.8	
Cement, hydraulic	324	41.4	40.9	42.1	42.1		3.7	3.4	3.9	3.4	
Structural clay products	325	41.5	41.7	41.7	42.2		3.7	3.9	3.9	4.2	
Pottery and related products	326	40.3	39.9	40.2	40.1		2.9	2.8	2.8	2.7	
Concrete, gypsum, and plaster products	327	41.5	44.2	42.1	42.6		5.6	6.8	5.4	5.9	
Concrete block and brick	3271	43.3	45.5	43.0	44.3		6.7	7.8	6.2	7.0	
Concrete products, nec	3272	42.5	43.6	42.8	43.2		5.5	6.0	5.4	5.7	
Ready-mixed concrete	3273	39.0	43.3	40.4	41.0		4.9	6.7	4.8	5.3	
Misc. nonmetallic mineral products	329	41.7	41.8	41.4	42.3		3.9	4.0	4.6	4.6	
Abrasive products	3291	39.9	40.9	40.8	41.9		2.3	2.8	3.2	3.7	
Asbestos products	3292	43.5	43.6	44.2	43.6		4.8	4.6	5.9	5.4	
Primary metal industries											
Blast furnaces and basic steel products	331	42.1	41.6	42.7	42.8	42.5	4.2	3.9	4.6	4.7	
Blast furnaces and steel mills	3312	41.8	41.2	42.3	42.4	42.7	3.6	3.5	4.4	4.4	
Steel pipe and tubes	3317	41.5	41.1	42.2	42.2		3.5	3.4	4.5	4.3	
Iron and steel foundries	332	43.3	41.0	42.8	43.2		4.3	3.2	4.3	4.9	
Gray iron foundries	3321	41.4	40.7	42.9	42.7		4.0	3.7	4.8	4.8	
Malleable iron foundries	3322	41.5	40.7	42.7	42.8		4.6	4.2	5.4	5.3	
Steel foundries, nec	3325	40.5	40.5	42.2	41.5		3.1	2.6	3.1	4.1	
Primary nonferrous metals	333	40.8	40.4	41.7	41.8		2.9	2.7	3.6	3.7	
Primary aluminum	3334	41.8	41.5	43.1	43.5		3.4	3.3	4.3	4.4	
Nonferrous rolling and drawing	335	41.9	41.6	43.9	44.4		3.4	3.4	4.4	4.5	
Copper rolling and drawing	3351	43.2	42.8	43.5	43.6		5.5	5.3	5.3	5.4	
Aluminum sheet, plate, and foil	3353	43.0	42.3	43.1	43.3		5.3	4.0	5.6	5.9	
Nonferrous wire drawing and insulating	3357	44.1	43.8	44.5	44.1		7.1	7.3	6.9	6.6	
Nonferrous foundries	336	42.6	42.3	43.2	43.3		4.9	4.9	4.9	4.9	
Aluminum foundries	3361	42.0	41.3	41.8	42.2		3.8	3.1	3.7	4.0	
Fabricated metal products	34	42.4	41.8	42.2	42.5		4.2	3.5	4.0	4.2	
Metal cans and shipping containers	341	41.4	41.0	41.3	41.4	40.7	3.5	3.2	3.5	3.7	
Metal cans	3411	43.4	43.2	42.8	43.2		5.0	5.1	5.2	5.3	
Cutlery, hand tools, and hardware	342	43.6	43.4	42.6	43.2		5.1	5.1	5.2	5.2	
Hand and edge tools, and hand saws and blades	3423,5	41.3	40.6	41.4	41.2		2.8	2.5	3.2	3.1	
Hardware, nec	3429	40.6	39.5	41.5	40.9		2.0	1.7	3.0	2.7	
Plumbing and heating, except electric	343	41.4	40.9	41.2	41.3		3.2	2.9	3.4	3.4	
Plumbing fittings and brass goods	3432	40.0	39.5	40.3	40.5		2.2	2.0	2.6	2.6	
Heating equipment, except electric	3433	41.5	40.7	41.3	40.9		2.9	2.6	2.6	2.4	
Fabricated structural metal products	344	38.3	37.7	38.7	39.3		1.1	1.0	1.9	2.0	
Fabricated structural metal	3441	40.3	40.3	40.1	40.7		2.8	2.9	2.7	3.2	
Metal doors, sash, and trim	3442	41.0	41.0	41.3	42.0		3.1	3.1	2.9	3.6	
Fabricated plate work (boiler shops)	3443	39.4	40.1	38.3	39.1		2.4	3.0	2.2	2.4	
Sheet metal work	3444	41.3	41.1	42.0	42.6		3.1	2.8	3.9	4.3	
Architectural metal work	3446	39.6	39.7	39.8	40.3		2.5	2.5	2.5	2.8	
Screw machine products, bolts, etc	345	40.2	39.2	39.3	39.6		3.5	3.2	2.7	3.1	
Screw machine products	3451	43.0	42.6	42.8	42.9		4.8	4.4	4.6	5.0	
Bolts, nuts, rivets, and washers	3452	41.7	41.5	41.3	41.4		3.8	3.4	3.5	3.7	
Metal forgings and stampings	346	44.3	43.6	44.2	44.5		5.8	5.3	5.8	6.2	
Iron and steel forgings	3462	43.1	42.2	43.2	42.7		4.9	4.2	5.1	4.8	
Automotive stampings	3465	42.2	41.4	42.0	42.5		3.6	2.9	3.7	3.8	
Metal stampings, nec	3469	44.9	43.4	45.0	43.9		6.3	5.4	6.5	5.9	
Metal services, nec	347	41.2	40.9	41.3	41.2		3.6	3.3	3.8	3.8	
Plating and polishing	3471	40.8	40.5	40.6	40.8		3.6	3.4	3.2	3.2	
Metal coating and allied services	3479	40.5	39.8	40.4	40.4		3.3	3.0	3.0	3.1	
Ordnance and accessories, nec	348	41.5	41.8	41.0	41.5		4.3	4.2	3.5	3.4	
Ammunition, except for small arms, nec	3483	41.6	40.6	41.0	40.6		2.8	2.5	2.9	2.9	
Misc. fabricated metal products	349	40.4	39.1	40.2	39.4		2.1	2.0	2.4	2.2	
Valves and pipe fittings	3494	40.6	40.4	41.0	41.0		2.8	2.6	3.1	3.2	
Misc. fabricated wire products	3496	40.1	39.8	40.9	41.0		2.9	2.4	2.9	3.0	
Machinery, except electrical	35	40.8	40.8	40.8	40.8		2.8	2.6	3.2	3.1	
Engines and turbines	351	41.8	41.5	42.1	42.2	41.6	3.5	3.2	3.7	3.8	
Turbines and turbine generator sets	3511	42.5	42.6	42.6	42.8		4.6	3.9	5.8	5.7	
Internal combustion engines, nec	3519	40.3	41.0	40.0	39.5		3.7	4.0	3.7	3.7	
Farm and garden machinery	352	43.3	43.2	43.5	44.0		4.9	3.8	6.6	6.4	
Farm machinery and equipment	3523	41.6	41.3	42.1	42.2		3.1	2.9	3.7	4.0	

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^a	Apr. 1987 ^a	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^a	Apr. 1987 ^a
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	\$11.30	\$11.31	\$11.59	\$11.46		\$474.60	\$473.89	\$514.60	\$503.09	
Pressed and blown glass, nec	3229	10.41	10.48	10.64	10.62		429.93	435.97	435.18	438.61	
Products of purchased glass	323	8.89	8.82	8.89	8.93		369.82	362.50	373.38	372.38	
Cement, hydraulic	324	13.29	13.27	13.52	13.25		550.21	542.74	569.19	557.83	
Structural clay products	325	8.15	8.17	8.44	8.47		338.23	340.69	351.95	357.43	
Pottery and related products	326	8.63	8.63	8.89	8.81		347.79	344.34	357.38	353.28	
Concrete, gypsum, and plaster products	327	9.53	9.74	9.76	9.80		395.50	430.51	410.90	417.48	
Concrete block and brick	3271	8.45	8.64	8.77	8.84		365.89	393.12	377.11	391.61	
Concrete products, nec	3272	8.54	8.57	8.69	8.71		362.95	373.65	371.93	376.27	
Ready-mixed concrete	3273	10.47	10.73	10.64	10.68		408.33	464.61	429.86	437.88	
Misc. nonmetallic mineral products	329	10.11	10.18	10.43	10.44		421.59	425.52	431.80	441.61	
Abrasive products	3291	9.64	9.76	9.69	9.75		384.64	399.18	395.35	408.53	
Asbestos products	3292	10.14	10.09	10.36	10.24		441.09	439.92	457.91	446.46	
Primary metal industries	33	11.99	12.00	11.88	11.93	\$12.11	504.78	499.20	507.28	510.60	\$514.68
Blast furnaces and basic steel products	331	13.80	13.82	13.71	13.78	14.10	576.84	569.38	579.93	584.27	602.07
Blast furnaces and steel mills	3312	14.52	14.52	14.41	14.46	-	602.58	596.77	608.10	610.21	-
Steel pipe and tubes	3317	10.75	10.78	10.93	11.05		465.48	441.98	467.80	477.36	
Iron and steel foundries	332	10.76	10.66	10.78	10.80		445.46	433.86	462.46	461.16	
Gray iron foundries	3321	11.26	11.14	11.26	11.28		467.29	453.40	480.80	482.78	
Malleable iron foundries	3322	11.35	11.33	11.58	11.81		459.68	458.87	488.68	490.12	
Steel foundries, nec	3325	9.85	9.80	10.10	10.08		401.88	395.92	421.17	421.34	
Primary nonferrous metals	333	13.93	13.87	12.95	12.90		582.27	575.61	558.15	561.15	
Primary aluminum	3334	14.47	14.43	13.39	13.32		606.29	600.29	587.82	591.41	
Nonferrous rolling and drawing	335	11.27	11.34	11.27	11.29		486.86	485.35	490.25	492.24	
Copper rolling and drawing	3351	10.32	10.13	10.50	10.53		443.76	428.50	452.55	455.95	
Aluminum sheet, plate, and foil	3353	14.28	14.43	13.79	13.74		629.75	632.03	613.66	605.93	
Nonferrous wire drawing and insulating	3357	10.76	10.89	11.11	11.19		458.38	460.65	479.95	484.53	
Nonferrous foundries	336	9.50	9.47	9.60	9.57		399.00	391.11	401.28	403.85	
Aluminum foundries	3361	9.80	9.76	9.87	9.89		415.52	407.97	416.51	420.33	
Fabricated metal products	34	9.88	9.84	9.98	9.97	9.96	409.03	403.44	412.17	412.76	405.37
Metal cans and shipping containers	341	13.39	13.36	13.19	13.10	-	581.13	577.15	564.53	565.92	-
Metal cans	3411	14.18	14.15	13.99	13.87		618.25	614.11	595.97	599.18	
Cutlery, hand tools, and hardware	342	9.81	9.78	9.87	9.85		405.15	397.07	408.82	405.82	
Hand and edge tools, and hand saws and blades	3423,5	8.88	8.89	9.01	8.91		360.53	351.16	373.92	364.42	
Hardware, nec	3429	10.30	10.24	10.33	10.34		426.42	418.82	425.60	427.04	
Plumbing and heating, except electric	343	8.86	8.81	9.13	9.10		354.40	348.00	367.94	368.55	
Plumbing fittings and brass goods	3432	8.56	8.56	8.71	8.65		355.24	348.39	359.72	353.79	
Heating equipment, except electric	3433	8.69	8.65	9.11	9.04		332.83	326.11	352.56	355.27	
Fabricated structural metal products	344	9.11	9.14	9.16	9.20		367.13	368.34	367.32	374.44	
Fabricated structural metal	3441	9.43	9.53	9.56	9.58		386.63	390.73	394.83	402.36	
Metal doors, sash, and trim	3442	7.61	7.58	7.79	7.81		299.83	303.96	298.36	305.37	
Fabricated plate work (boiler shops)	3443	10.11	10.14	10.23	10.26		417.54	416.75	429.66	437.08	
Sheet metal work	3444	9.49	9.57	9.40	9.50		375.80	379.93	374.12	382.85	
Architectural metal work	3446	8.59	8.64	8.35	8.39		345.32	338.69	328.16	332.24	
Screw machine products, bolts, etc	345	9.35	9.34	9.64	9.70		402.05	397.88	412.59	416.13	
Screw machine products	3451	8.74	8.74	8.96	8.99		364.46	362.71	370.05	372.19	
Bolts, nuts, rivets, and washers	3452	9.93	9.91	10.28	10.37		439.90	432.08	454.38	461.47	
Metal forgings and stampings	346	11.90	11.78	11.98	11.99		512.89	497.12	517.54	511.97	
Iron and steel forgings	3462	12.45	12.15	12.44	12.53		525.39	503.01	522.48	532.53	
Automotive stampings	3465	13.88	13.75	13.97	13.96		623.21	596.75	628.65	612.84	
Metal stampings, nec	3469	8.95	8.97	9.17	9.24		368.74	366.87	378.72	380.69	
Metal services, nec	347	7.87	7.79	7.88	7.92		321.10	315.50	319.93	323.14	
Plating and polishing	3471	7.74	7.72	7.84	7.89		313.47	307.26	316.74	318.76	
Metal coating and allied services	3479	8.13	7.92	7.97	7.98		337.40	331.06	326.77	331.17	
Ordinance and accessories, nec	348	10.66	10.62	10.88	10.81		443.46	431.17	446.08	438.89	
Ammunition, except for small arms, nec	3483	10.19	10.17	10.45	10.39		411.68	397.65	420.09	409.37	
Misc. fabricated metal products	349	9.01	9.01	9.30	9.28		365.81	364.00	381.30	380.48	
Valves and pipe fittings	3494	9.80	9.76	9.89	9.87		392.98	388.45	404.50	404.67	
Misc. fabricated wire products	3496	8.06	8.10	8.35	8.42		328.85	330.48	340.68	343.54	
Machinery, except electrical	35	10.58	10.55	10.65	10.68	10.65	442.24	437.83	448.37	450.70	443.04
Engines and turbines	351	13.09	12.94	13.41	13.50	-	556.33	551.24	571.27	577.80	-
Turbines and turbine generator sets	3511	12.79	12.90	12.69	12.66		515.44	528.90	507.60	500.07	
Internal combustion engines, nec	3519	13.20	12.96	13.65	13.77		571.56	559.87	593.78	605.88	
Farm and garden machinery	352	10.02	10.08	9.66	9.76		416.83	416.30	406.69	411.87	
Farm machinery and equipment	3523	10.97	11.07	10.48	10.56		454.16	458.30	443.30	445.63	

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	41.6	41.5	41.8	42.0		2.7	2.4	3.1	3.5	
Construction machinery	3531	42.9	43.1	43.0	43.2		2.4	2.3	2.5	2.9	
Mining machinery	3532	41.0	40.8	41.3	41.1		2.8	2.5	3.5	3.5	
Oil field machinery	3533	40.6	40.7	41.3	41.3		2.2	2.4	4.7	5.3	
Conveyors and conveying equipment	3535	42.0	41.4	42.1	43.1		4.0	2.9	3.5	4.4	
Industrial trucks and tractors	3537	39.7	39.5	39.7	40.0		2.9	2.3	2.1	2.7	
Metalworking machinery	354	42.7	42.8	42.4	42.5		4.9	4.8	4.5	4.6	
Machine tools, metal cutting types	3541	42.9	42.9	42.1	42.1		4.1	4.2	3.8	3.8	
Machine tools, metal forming types	3542	42.5	42.4	41.9	41.2		4.7	4.7	4.1	4.3	
Special dies, tools, jigs, and fixtures	3544	43.8	43.8	43.3	43.4		6.1	6.0	5.4	5.6	
Machine tool accessories	3545	41.0	41.2	41.3	41.1		3.7	3.6	3.4	3.4	
Power driven hand tools	3546	40.3	39.4	41.1	41.7		2.2	1.9	2.9	2.8	
Special industry machinery	355	41.8	41.5	41.8	42.1		3.7	3.2	3.5	4.0	
Food products machinery	3551	41.7	41.6	42.1	42.4		2.9	2.6	3.4	3.4	
Textile machinery	3552	41.8	41.4	43.3	43.8		3.6	2.9	4.5	4.8	
Printing trades machinery	3555	40.7	40.5	40.3	40.7		3.8	3.3	3.4	4.3	
General industrial machinery	356	41.7	41.2	41.8	42.3		3.1	2.8	3.4	3.6	
Pumps and pumping equipment	3561	41.9	40.6	42.1	42.6		2.6	1.8	3.2	3.4	
Ball and roller bearings	3562	42.9	42.4	42.9	43.4		4.6	4.3	4.7	4.9	
Air and gas compressors	3563	41.5	41.7	42.1	42.7		2.6	2.7	3.1	3.4	
Blowers and fans	3564	41.1	39.9	39.8	40.9		2.3	2.1	2.2	2.2	
Speed changers, drives, and gears	3566	42.2	42.6	43.6	43.5		3.3	3.4	4.0	4.3	
Power transmission equipment, nec	3568	41.3	40.8	41.8	41.8		3.9	3.4	3.9	3.8	
Office and computing machines	357	42.3	41.4	43.5	43.4		2.8	2.2	3.1	3.3	
Electronic computing equipment	3573	42.1	41.5	43.6	43.5		2.6	2.1	3.1	3.4	
Refrigeration and service machinery	358	41.0	40.6	41.4	41.0		2.7	2.6	3.4	2.6	
Refrigeration and heating equipment	3585	41.4	40.9	41.8	41.2		3.1	3.0	3.5	2.5	
Misc. machinery, except electrical	359	41.2	40.9	41.7	41.7		3.8	3.5	3.9	4.0	
Carburetors, pistons, rings, and valves	3592	42.2	41.8	42.6	42.4		4.6	4.3	4.2	3.9	
Machinery, except electrical, nec	3599	41.1	40.8	41.5	41.6		3.6	3.4	3.9	4.0	
Electrical and electronic equipment	36	41.1	40.8	40.9	41.0	40.3	2.8	2.6	2.8	2.8	
Electric distributing equipment	361	41.3	40.7	40.2	40.1	-	2.7	2.5	2.4	2.4	
Transformers	3612	42.8	41.8	40.8	40.5		2.9	2.6	2.2	2.2	
Switchgear and switchboard apparatus	3613	40.0	39.6	39.7	39.8		2.4	2.4	2.5	2.6	
Electrical industrial apparatus	362	41.0	40.7	40.8	41.1		2.9	2.5	2.9	3.1	
Motors and generators	3621	41.5	41.1	41.3	41.3		3.3	2.9	3.5	3.6	
Industrial controls	3622	39.9	39.8	39.0	39.9		2.4	1.9	1.3	2.0	
Household appliances	363	40.1	40.2	40.2	40.1		2.5	2.8	2.7	2.3	
Household refrigerators and freezers	3632	40.3	40.5	40.3	41.6		3.6	3.8	2.7	2.6	
Household laundry equipment	3633	40.2	41.0	42.3	40.8		1.6	2.6	3.3	1.6	
Electric housewares and fans	3634	39.7	40.0	40.3	39.3		1.6	1.8	2.6	2.3	
Electric lighting and wiring equipment	364	40.4	40.2	40.3	40.3		2.7	2.5	2.7	2.8	
Electric lamps	3641	39.6	40.7	39.6	39.0		2.7	2.9	2.8	2.7	
Current-carrying wiring devices	3643	40.8	40.6	40.6	40.7		2.5	2.5	2.7	2.8	
Noncurrent-carrying wiring devices	3644	40.2	39.8	42.0	41.4		2.2	1.6	2.7	2.8	
Residential lighting fixtures	3645	39.3	38.6	38.7	39.3		1.8	1.2	1.6	1.7	
Radio and TV receiving equipment	365	41.7	40.8	40.3	40.4		3.8	3.0	2.0	1.7	
Radio and TV receiving sets	3651	41.8	41.4	40.8	41.2		3.6	2.9	1.9	1.7	
Communication equipment	366	41.6	41.4	41.8	42.0		2.6	2.5	2.6	2.6	
Telephone and telegraph apparatus	3661	41.3	41.2	41.2	41.9		1.8	1.8	2.0	1.9	
Radio and TV communication equipment	3662	41.7	41.5	42.0	42.0		2.9	2.7	2.8	2.8	
Electronic components and accessories	367	41.2	40.9	40.9	40.9		3.0	2.8	3.0	3.0	
Electronic tubes	3671-3	44.1	43.1	43.6	42.7		3.3	2.2	3.5	3.0	
Semiconductors and related devices	3674	40.7	41.2	40.7	40.8		3.2	3.1	3.3	3.4	
Electronic components, nec	3679	41.4	40.6	41.0	41.1		3.0	2.7	3.0	3.1	
Misc. electrical equipment and supplies	369	40.6	40.0	41.4	41.2		3.0	2.6	3.5	3.2	
Storage batteries	3691	39.8	40.1	41.0	40.7		1.7	1.6	2.2	1.9	
Engine electrical equipment	3694	41.8	40.5	42.3	41.9		4.3	3.6	4.6	4.4	

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^P	Apr. 1987 ^P	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^P	Apr. 1987 ^P
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	\$11.15	\$11.15	\$11.15	\$11.17		\$463.84	\$462.73	\$466.07	\$469.14	
Construction machinery	3531	12.26	12.31	12.36	12.36		525.95	530.56	531.48	533.95	
Mining machinery	3532	11.43	11.36	11.50	11.54		468.63	463.49	474.95	474.29	
Oil field machinery	3533	11.24	11.30	11.34	11.42		456.34	459.91	468.34	471.65	
Conveyors and conveying equipment	3535	10.25	10.03	9.87	9.84		430.50	415.24	415.53	424.10	
Industrial trucks and tractors	3537	9.70	9.59	9.74	9.82		385.09	378.81	386.68	392.80	
Metalworking machinery	354	10.97	10.96	11.09	11.12		468.42	469.09	470.22	472.60	
Machine tools, metal cutting types	3541	10.91	10.83	11.12	11.13		468.04	464.61	468.15	468.57	
Machine tools, metal forming types	3542	11.48	11.50	11.30	11.42		487.90	487.60	473.47	470.50	
Special dies, tools, jigs, and fixtures	3544	11.67	11.69	11.78	11.81		511.15	512.02	510.07	512.55	
Machine tool accessories	3545	9.86	9.81	9.98	9.99		404.26	404.17	412.17	410.59	
Power driven hand tools	3546	8.56	8.43	8.63	8.59		344.97	332.14	354.69	358.20	
Special industry machinery	355	10.44	10.39	10.48	10.60		436.39	431.19	438.06	446.26	
Food products machinery	3551	10.61	10.54	10.61	10.69		442.44	438.46	446.68	453.26	
Textile machinery	3552	8.31	8.29	8.63	8.69		347.36	343.21	373.68	380.62	
Printing trades machinery	3555	10.98	10.88	11.20	11.37		446.89	440.64	451.36	462.76	
General industrial machinery	356	10.26	10.24	10.35	10.36		427.84	421.89	432.63	438.23	
Pumps and pumping equipment	3561	10.86	10.82	11.04	11.07		455.03	439.29	464.78	471.58	
Ball and roller bearings	3562	10.79	10.76	10.89	11.02		462.89	456.22	467.18	478.27	
Air and gas compressors	3563	9.97	10.05	10.35	10.18		413.76	419.09	435.74	434.69	
Blowers and fans	3564	9.11	9.07	9.25	9.15		374.42	361.89	368.15	374.24	
Speed changers, drives, and gears	3566	10.60	10.57	10.17	10.14		447.32	450.28	443.41	441.09	
Power transmission equipment, nec	3568	10.31	10.25	10.61	10.60		425.80	418.20	443.50	443.08	
Office and computing machines	357	9.91	9.86	10.11	10.15		419.19	408.20	439.79	440.51	
Electronic computing equipment	3573	9.89	9.82	10.08	10.09		416.37	407.53	439.49	438.92	
Refrigeration and service machinery	358	10.29	10.19	10.41	10.31		421.89	413.71	430.97	422.71	
Refrigeration and heating equipment	3585	10.61	10.48	10.65	10.49		439.25	428.63	445.17	432.19	
Misc. machinery, except electrical	359	10.21	10.21	10.27	10.32		420.65	417.59	428.26	430.34	
Carburetors, pistons, rings, and valves	3592	12.83	12.72	12.60	12.49		541.43	531.70	536.76	529.58	
Machinery, except electrical, nec	3599	9.79	9.81	9.90	9.97		402.37	400.25	410.85	414.75	
Electrical and electronic equipment	36	9.62	9.62	9.86	9.85	\$9.87	395.38	392.50	403.27	403.85	\$397.76
Electric distributing equipment	361	8.92	8.89	9.17	9.11	-	368.40	361.82	368.63	365.31	-
Transformers	3612	8.80	8.74	9.11	9.02		376.64	365.33	371.69	365.31	
Switchgear and switchboard apparatus	3613	9.02	9.02	9.24	9.20		360.80	357.19	366.83	366.16	
Electrical industrial apparatus	362	9.69	9.68	9.63	9.67		397.29	393.98	392.90	397.44	
Motors and generators	3621	9.64	9.61	9.64	9.67		400.06	394.97	398.13	399.37	
Industrial controls	3622	9.42	9.44	9.29	9.40		375.86	375.71	362.31	375.06	
Household appliances	363	9.53	9.67	9.68	9.70		382.15	388.73	389.14	388.97	
Household refrigerators and freezers	3632	10.83	10.82	10.97	10.99		436.45	438.21	442.09	457.18	
Household laundry equipment	3633	11.13	11.25	11.56	11.45		447.43	461.25	488.99	467.16	
Electric housewares and fans	3634	7.24	7.42	7.32	7.43		287.43	296.80	295.00	292.00	
Electric lighting and wiring equipment	364	8.79	8.80	9.08	9.05		355.12	353.76	365.92	364.72	
Electric lamps	3641	9.84	9.84	10.07	10.01		389.66	400.49	398.77	390.39	
Current-carrying wiring devices	3643	8.28	8.29	8.60	8.59		337.82	336.57	349.16	349.61	
Noncurrent-carrying wiring devices	3644	9.15	9.23	9.41	9.36		367.83	367.35	395.22	387.50	
Residential lighting fixtures	3645	6.48	6.48	6.67	6.55		254.66	250.13	258.13	257.42	
Radio and TV receiving equipment	365	9.63	9.67	9.51	9.42		401.57	394.54	383.25	380.57	
Radio and TV receiving sets	3651	10.05	10.04	9.89	9.83		420.09	415.66	403.51	405.00	
Communication equipment	366	11.27	11.23	11.63	11.67		468.83	464.92	486.13	490.14	
Telephone and telegraph apparatus	3661	10.89	10.89	11.09	11.10		449.76	448.67	456.91	465.09	
Radio and TV communication equipment	3662	11.40	11.35	11.81	11.86		475.38	471.03	496.02	498.12	
Electronic components and accessories	367	8.57	8.53	8.93	8.94		353.08	348.88	365.24	365.65	
Electronic tubes	3671-3	10.76	10.60	10.85	11.02		474.52	456.86	473.06	470.55	
Semiconductors and related devices	3674	10.01	9.87	10.64	10.62		407.41	406.64	433.05	433.30	
Electronic components, nec	3679	7.87	7.87	8.13	8.12		325.82	319.52	333.33	333.73	
Misc. electrical equipment and supplies	369	10.48	10.48	10.46	10.42		425.49	419.20	433.04	429.30	
Storage batteries	3691	10.74	10.85	10.92	10.68		427.45	435.09	447.72	434.68	
Engine electrical equipment	3694	11.25	11.25	11.05	11.14		470.25	455.63	467.42	466.77	

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Durable goods—Continued											
Transportation equipment	37	42.8	42.3	42.4	42.7	42.1	4.6	4.3	4.4	4.5	
Motor vehicles and equipment	371	43.4	42.4	43.0	43.3	42.7	5.0	4.4	4.7	4.8	
Motor vehicles and car bodies	3711	43.6	41.9	42.7	43.4	-	5.2	4.1	4.7	5.1	
Truck and bus bodies	3713	40.8	41.0	42.4	42.7		3.4	3.8	4.8	4.2	
Motor vehicle parts and accessories	3714	43.8	43.3	43.5	43.5		5.3	4.9	4.9	4.9	
Truck trailers	3715	39.6	39.9	40.2	40.5		2.0	2.0	1.8	2.1	
Aircraft and parts	372	43.0	42.9	42.8	42.5		4.8	4.6	4.8	4.6	
Aircraft	3721	42.2	42.3	42.2	42.1		4.1	4.2	4.2	4.2	
Aircraft engines and engine parts	3724	42.6	42.5	43.3	42.6		4.9	4.7	5.3	4.7	
Aircraft equipment, nec	3728	44.5	44.0	43.3	43.2		5.6	5.1	5.3	5.3	
Ship and boat building and repairing	373	40.3	40.9	39.9	40.9		3.1	3.6	2.6	3.2	
Ship building and repairing	3731	40.5	41.2	39.7	40.7		3.4	3.9	2.4	3.0	
Boat building and repairing	3732	39.7	40.3	40.4	41.3		2.4	2.9	3.1	3.6	
Railroad equipment	374	40.2	39.7	40.2	40.2		2.0	1.7	1.8	1.9	
Guided missiles, space vehicles, and parts	376	42.5	42.0	42.3	42.3		4.2	4.2	4.2	4.3	
Guided missiles and space vehicles	3761	43.0	42.3	42.5	42.8		4.6	4.5	4.2	4.3	
Miscellaneous transportation equipment	379	41.0	41.2	40.7	40.9		3.4	4.0	3.8	3.9	
Travel trailers and campers	3792	38.4	39.2	38.5	39.5		2.3	2.5	1.9	2.8	
Instruments and related products	38	41.4	41.0	41.3	41.4	40.5	2.8	2.5	2.8	2.9	
Engineering and scientific instruments	381	42.6	42.2	41.5	41.7	-	3.5	3.2	3.1	3.0	
Measuring and controlling devices	382	41.4	40.5	41.4	41.6		2.5	2.1	2.6	2.7	
Environmental controls	3822	40.6	39.4	41.1	40.5		2.6	1.5	3.5	3.1	
Process control instruments	3823	41.7	41.2	42.2	43.2		3.1	2.7	2.8	3.6	
Instruments to measure electricity	3825	41.7	40.4	40.7	41.0		2.3	2.1	2.1	2.2	
Optical instruments and lenses	383	41.9	41.8	42.1	41.8		3.2	3.3	3.6	3.3	
Medical instruments and supplies	384	41.3	40.7	40.4	41.0		3.0	2.7	2.7	3.0	
Surgical and medical instruments	3841	41.6	41.2	41.1	42.0		3.1	2.9	2.9	3.2	
Surgical appliances and supplies	3842	41.1	40.3	39.6	40.1		3.0	2.5	2.5	2.9	
Ophthalmic goods	385	39.3	39.9	39.9	40.3		2.0	2.2	2.6	2.9	
Photographic equipment and supplies	386	42.1	42.5	43.6	42.7		3.1	3.1	3.6	3.4	
Watches, clocks, and watchcases	387	39.7	39.4	39.0	39.8		1.9	1.0	1.0	1.2	
Miscellaneous manufacturing	39	39.9	39.7	39.3	39.3	38.8	2.4	2.2	2.4	2.3	
Jewelry, silverware, and plated ware	391	38.6	39.0	37.9	38.8	-	2.0	2.2	1.5	2.0	
Jewelry, precious metal	3911	37.6	37.9	36.1	37.2		1.6	1.8	1.1	1.4	
Musical instruments	393	40.3	40.6	41.5	41.6		2.9	2.9	3.5	3.4	
Toys and sporting goods	394	40.3	39.9	39.5	39.3		2.5	2.1	2.3	2.1	
Dolls, games, toys, and children's vehicles	3942,4	39.3	38.9	39.2	38.6		2.0	1.7	2.0	2.0	
Sporting and athletic goods, nec	3949	41.1	40.6	39.8	39.7		2.8	2.5	2.4	2.2	
Pens, pencils, office, and art supplies	395	39.9	39.8	39.8	40.1		1.7	1.9	1.9	2.3	
Costume jewelry and notions	396	40.2	39.2	37.6	36.9		2.6	2.1	3.3	2.8	
Costume jewelry	3961	40.0	38.7	36.7	35.7		2.3	1.9	3.9	3.1	
Miscellaneous manufactures	399	39.9	39.7	39.8	39.9		2.5	2.4	2.5	2.4	
Signs and advertising displays	3993	40.3	39.9	39.5	39.5		2.6	2.3	2.4	2.2	
Nondurable goods		39.7	39.6	39.9	40.0	39.4	3.1	3.1	3.3	3.4	3.1
Food and kindred products	20	39.4	39.6	39.4	39.5	39.3	3.3	3.4	3.4	3.4	-
Meat products	201	38.2	39.0	37.9	38.1	-	2.7	3.1	2.8	2.8	
Meat packing plants	2011	39.4	41.1	39.8	41.1		2.9	4.0	3.5	4.1	
Sausages and other prepared meats	2013	39.7	39.3	38.9	39.1		3.1	3.0	2.8	3.1	
Poultry dressing plants	2016	36.8	37.2	36.0	35.5		2.5	2.5	2.5	2.0	
Dairy products	202	41.1	41.1	41.0	40.8		4.0	4.2	4.1	4.0	
Cheese, natural and processed	2022	39.3	39.3	38.8	38.9		3.4	3.6	3.7	3.6	
Fluid milk	2026	42.1	42.1	42.5	42.0		4.6	4.9	4.6	4.4	
Preserved fruits and vegetables	203	38.7	38.5	38.8	39.0		2.6	2.4	3.0	2.9	
Canned specialties	2032	37.8	38.8	39.3	38.7		3.5	3.2	3.6	2.6	
Canned fruits and vegetables	2033	38.9	39.2	38.7	38.5		2.8	2.7	2.6	2.7	
Frozen fruits and vegetables	2037	37.4	36.1	38.0	38.6		2.0	2.1	3.3	3.0	
Grain mill products	204	42.9	42.8	43.4	43.5		5.0	4.8	5.6	5.5	
Flour and other grain mill products	2041	43.5	44.7	47.5	46.1		3.9	4.6	6.8	6.5	
Prepared feeds, nec	2048	42.5	42.1	42.0	42.0		5.1	4.7	5.1	5.2	
Bakery products	205	39.4	39.5	39.3	39.5		3.3	3.4	3.4	3.6	
Bread, cake, and related products	2051	38.7	39.1	38.3	38.2		3.4	3.7	3.5	3.4	
Cookies and crackers	2052	41.2	40.5	41.8	42.6		2.8	2.6	3.3	4.3	

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^a	Apr. 1987 ^a	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^a	Apr. 1987 ^a
Durable goods—Continued											
Transportation equipment	37	\$12.90	\$12.83	\$12.94	\$12.91	\$12.86	\$552.12	\$542.71	\$548.66	\$551.26	\$541.41
Motor vehicles and equipment	371	13.66	13.54	13.59	13.58	13.50	592.84	574.10	584.37	588.01	576.45
Motor vehicles and car bodies	3711	15.11	14.99	15.13	15.18	-	658.80	628.08	646.05	658.81	-
Truck and bus bodies	3713	10.88	10.89	11.64	11.42	-	443.90	446.49	493.54	487.63	-
Motor vehicle parts and accessories	3714	13.03	12.93	12.86	12.86	-	570.71	559.87	559.41	559.41	-
Truck trailers	3715	9.53	9.47	9.33	9.32	-	377.39	377.85	375.07	377.46	-
Aircraft and parts	372	12.82	12.80	13.02	13.04	-	551.26	549.12	557.26	554.20	-
Aircraft	3721	(^b)	(^b)	(^b)	(^b)	-	-	-	-	-	-
Aircraft engines and engine parts	3724	\$12.93	\$12.92	\$13.14	\$13.10	-	550.82	549.10	568.96	558.06	-
Aircraft equipment, nec	3728	11.81	11.76	11.93	11.94	-	525.55	517.44	516.57	515.81	-
Ship and boat building and repairing	373	10.55	10.59	10.49	10.41	-	425.17	433.13	418.55	425.77	-
Ship building and repairing	3731	11.48	11.61	11.57	11.49	-	464.94	478.33	459.33	467.64	-
Boat building and repairing	3732	8.10	8.01	8.02	8.02	-	321.57	322.80	324.01	331.23	-
Railroad equipment	374	12.64	12.64	12.40	12.37	-	508.13	501.81	498.48	497.27	-
Guided missiles, space vehicles, and parts	376	12.10	12.12	12.34	12.28	-	514.25	509.04	521.98	519.44	-
Guided missiles and space vehicles	3761	12.41	12.47	12.66	12.59	-	533.63	527.48	538.05	538.85	-
Miscellaneous transportation equipment	379	10.28	10.51	10.75	10.70	-	421.48	433.01	437.53	437.63	-
Travel trailers and campers	3792	8.72	8.81	9.30	9.36	-	334.85	345.35	358.05	369.72	-
Instruments and related products	38	9.41	9.41	9.65	9.61	9.58	389.57	385.81	398.55	397.85	387.99
Engineering and scientific instruments	381	10.13	10.11	10.57	10.54	-	431.54	426.64	438.66	439.52	-
Measuring and controlling devices	382	9.18	9.16	9.53	9.54	-	380.05	370.98	394.54	396.86	-
Environmental controls	3822	8.76	8.69	8.78	8.83	-	355.66	342.39	360.86	357.62	-
Process control instruments	3823	9.48	9.33	9.54	9.59	-	395.32	384.40	402.59	414.29	-
Instruments to measure electricity	3825	9.25	9.22	9.80	9.79	-	385.73	372.49	398.86	401.39	-
Optical instruments and lenses	383	10.35	10.49	10.76	10.65	-	433.67	438.48	453.00	445.17	-
Medical instruments and supplies	384	8.40	8.39	8.62	8.66	-	346.92	341.47	348.25	355.06	-
Surgical and medical instruments	3841	8.55	8.57	8.67	8.76	-	355.68	353.08	356.34	367.92	-
Surgical appliances and supplies	3842	8.28	8.26	8.56	8.57	-	340.31	332.88	338.98	343.66	-
Ophthalmic goods	385	7.24	7.22	7.21	7.29	-	284.53	288.08	287.68	293.79	-
Photographic equipment and supplies	386	12.44	12.49	12.83	12.54	-	523.72	530.83	559.39	535.46	-
Watches, clocks, and watchcases	387	6.95	6.98	7.16	7.10	-	275.92	275.01	279.24	282.58	-
Miscellaneous manufacturing	39	7.51	7.50	7.68	7.66	7.67	299.65	297.75	301.82	301.04	297.60
Jewelry, silverware, and plated ware	391	8.09	8.00	8.22	8.21	-	312.27	312.00	311.54	318.55	-
Jewelry, precious metal	3911	8.11	8.05	8.37	8.31	-	304.94	305.10	302.16	309.13	-
Musical instruments	393	7.16	7.14	7.40	7.46	-	288.55	289.88	307.10	310.34	-
Toys and sporting goods	394	6.90	6.91	7.03	7.04	-	278.07	275.71	277.69	276.67	-
Dolls, games, toys, and children's vehicles	3942,4	6.90	6.90	6.99	7.01	-	271.17	268.41	274.01	270.59	-
Sporting and athletic goods, nec	3949	6.89	6.92	7.05	7.06	-	283.18	280.95	280.59	280.28	-
Pens, pencils, office, and art supplies	395	7.74	7.71	7.80	7.85	-	308.83	306.86	310.44	314.79	-
Costume jewelry and notions	396	6.07	6.06	6.22	6.16	-	244.01	237.55	233.87	227.30	-
Costume jewelry	3961	5.50	5.46	5.58	5.53	-	220.00	211.30	204.79	197.42	-
Miscellaneous manufactures	399	8.19	8.20	8.49	8.44	-	326.78	325.54	337.90	336.76	-
Signs and advertising displays	3993	8.53	8.49	8.88	8.82	-	343.76	338.75	350.76	348.39	-
Nondurable goods		8.88	8.88	9.06	9.08	9.14	352.54	351.65	361.49	363.20	360.12
Food and kindred products	20	8.74	8.75	8.91	8.94	8.98	344.36	346.50	351.05	353.13	352.91
Meat products	201	7.26	7.29	7.35	7.43	-	277.33	284.31	278.57	283.08	-
Meat packing plants	2011	8.13	8.19	8.34	8.45	-	320.32	336.61	331.93	347.30	-
Sausages and other prepared meats	2013	8.80	8.81	8.60	8.70	-	349.36	346.23	334.54	340.17	-
Poultry dressing plants	2016	5.89	5.89	6.07	6.08	-	216.75	219.11	218.52	215.84	-
Dairy products	202	9.40	9.43	9.58	9.56	-	386.34	387.57	392.78	390.05	-
Cheese, natural and processed	2022	8.76	8.79	8.89	8.84	-	344.27	345.45	344.93	343.88	-
Fluid milk	2026	9.78	9.85	9.91	9.91	-	411.74	414.69	421.18	416.22	-
Preserved fruits and vegetables	203	8.11	8.12	8.42	8.38	-	313.86	312.62	326.70	326.82	-
Canned specialties	2032	9.90	9.89	10.81	10.40	-	374.22	383.73	424.83	402.48	-
Canned fruits and vegetables	2033	8.13	8.05	8.30	8.37	-	316.26	315.56	321.21	322.25	-
Frozen fruits and vegetables	2037	7.54	7.59	7.70	7.70	-	282.00	274.00	292.60	297.22	-
Grain mill products	204	10.56	10.59	10.78	10.76	-	453.02	453.25	467.85	468.06	-
Flour and other grain mill products	2041	10.00	10.04	10.50	10.62	-	435.00	448.79	498.75	489.58	-
Prepared feeds, nec	2048	8.03	7.97	8.26	8.34	-	341.28	335.54	346.92	350.28	-
Bakery products	205	9.78	9.81	9.93	9.92	-	385.33	387.50	390.25	391.84	-
Bread, cake, and related products	2051	9.71	9.73	9.84	9.81	-	375.78	380.44	376.87	374.74	-
Cookies and crackers	2052	9.94	10.01	10.12	10.16	-	409.53	405.41	423.02	432.82	-

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	39.6	39.5	40.4	40.2		2.5	2.4	3.3	2.9	
Cane and beet sugar	2061-3	41.3	40.8	42.1	42.8		4.2	3.4	5.9	4.7	
Confectionery products	2065	38.8	38.7	39.4	39.0		1.9	1.9	2.2	2.1	
Fats and oils	207	43.1	41.9	41.4	41.4		5.0	4.6	4.6	4.5	
Beverages	208	40.6	40.9	39.8	40.3		3.6	4.2	3.2	3.6	
Malt beverages	2082	42.7	42.4	42.4	42.5		5.4	5.9	4.7	4.7	
Bottled and canned soft drinks	2086	39.6	40.8	39.2	40.1		3.3	4.1	2.6	3.3	
Misc. food and kindred products	209	38.1	37.8	38.7	38.7		3.6	3.4	3.6	3.8	
Tobacco manufactures	21	37.5	36.6	36.5	38.4	36.7	1.3	1.0	.8	1.8	
Cigarettes	211	37.3	35.7	36.9	38.8	-	1.2	.6	.8	2.0	
Textile mill products	22	40.6	40.6	41.8	42.1	40.8	3.7	3.7	4.4	4.6	
Weaving mills, cotton	221	40.5	41.1	42.9	43.5	-	4.3	4.8	5.9	6.2	
Weaving mills, synthetics	222	40.0	40.3	42.0	42.3		3.1	3.1	4.5	4.5	
Weaving and finishing mills, wool	223	41.7	40.8	42.8	42.2		4.0	3.3	2.7	2.7	
Narrow fabric mills	224	41.2	40.9	40.9	41.4		3.0	2.7	3.4	3.9	
Knitting mills	225	39.4	39.2	39.9	40.3		3.0	2.9	3.4	3.5	
Women's hosiery, except socks	2251	39.1	38.8	40.2	40.7		3.1	2.8	3.6	3.4	
Hosiery, nec	2252	38.5	37.5	38.8	40.2		2.5	2.0	2.7	3.0	
Knit outerwear mills	2253	38.1	37.9	38.3	38.3		2.5	2.5	2.9	3.0	
Knit underwear mills	2254	38.7	39.4	40.4	40.7		2.1	2.0	3.1	3.4	
Circular knit fabric mills	2257	42.3	42.0	43.3	43.8		5.2	5.2	5.2	5.5	
Textile finishing, except wool	226	41.9	41.4	42.0	42.9		4.7	4.3	4.1	5.0	
Finishing plants, cotton	2261	42.8	42.1	41.3	42.6		5.2	4.5	3.9	4.8	
Finishing plants, synthetics	2262	40.5	40.3	42.1	42.8		4.2	4.1	4.3	5.0	
Floor covering mills	227	40.9	40.4	43.6	42.7		3.5	3.3	4.8	4.2	
Yarn and thread mills	228	41.5	41.8	42.4	42.8		4.3	4.4	5.0	5.1	
Yarn mills, except wool	2281	42.2	42.6	43.6	43.9		4.7	4.9	5.6	5.7	
Throwing and winding mills	2282	38.0	38.3	37.6	38.0		3.0	2.7	3.3	3.1	
Miscellaneous textile goods	229	42.9	42.2	43.8	43.6		4.3	4.1	4.8	4.9	
Apparel and other textile products	23	36.5	36.4	37.2	37.1	35.7	1.5	1.4	1.8	1.8	
Men's and boys' suits and coats	231	35.2	35.0	36.1	35.7	-	.9	.7	1.0	1.0	
Men's and boys' furnishings	232	37.2	37.1	37.2	36.9		1.3	1.2	1.5	1.4	
Men's and boys' shirts and nightwear	2321	37.7	37.7	37.6	37.5		1.6	1.5	1.7	1.6	
Men's and boys' separate trousers	2327	36.0	35.6	36.7	36.8		.8	.7	1.2	1.0	
Men's and boys' work clothing	2328	36.2	36.3	36.9	36.1		1.1	1.1	1.4	1.4	
Women's and misses' outerwear	233	35.1	34.8	36.3	36.2		1.5	1.4	1.9	1.9	
Women's and misses' blouses and waists	2331	34.3	34.4	36.1	35.6		1.3	1.0	1.5	1.4	
Women's and misses' dresses	2335	34.7	34.3	35.4	35.9		1.3	1.2	1.5	1.8	
Women's and misses' suits and coats	2337	34.2	34.2	34.4	34.7		1.1	1.0	1.2	1.2	
Women's and misses' outerwear, nec	2339	35.7	35.4	37.3	36.9		1.9	1.7	2.3	2.2	
Women's and children's undergarments	234	36.8	36.5	36.7	36.5		1.1	1.2	1.1	1.1	
Women's and children's underwear	2341	37.1	36.6	37.1	36.8		1.0	1.1	1.2	1.1	
Brassieres and allied garments	2342	35.7	36.1	35.0	35.3		1.6	1.9	.8	1.1	
Children's outerwear	236	36.4	36.9	37.1	36.7		1.5	1.6	1.6	1.6	
Children's dresses and blouses	2361	35.0	35.6	36.9	35.4		1.4	1.4	1.8	1.5	
Misc. apparel and accessories	238	37.1	36.6	38.2	38.6		1.0	1.0	1.8	2.1	
Misc. fabricated textile products	239	38.9	38.6	39.3	39.7		2.5	2.4	3.0	3.1	
Curtains and draperies	2391	36.5	37.0	38.5	39.4		.9	1.1	1.7	1.8	
House furnishings, nec	2392	37.5	37.3	38.6	39.1		1.9	1.7	2.4	2.6	
Automotive and apparel trimmings	2396	41.7	41.0	41.9	42.2		4.9	5.1	6.0	6.0	
Paper and allied products	26	43.3	42.9	43.1	42.9	42.4	4.6	4.6	4.7	4.7	
Paper and pulp mills	261,2,6	45.2	45.0	45.1	45.1	-	6.3	6.4	6.1	6.2	
Paper mills, except building paper	262	45.2	45.1	45.2	45.2		6.4	6.5	6.3	6.4	
Paperboard mills	263	44.8	44.4	44.2	43.7		6.6	6.8	7.3	7.0	
Misc. converted paper products	264	42.1	41.5	42.2	42.0		3.3	3.1	3.6	3.6	
Paper coating and glazing	2641	43.4	42.9	44.3	44.0		3.3	3.2	4.0	4.1	
Envelopes	2642	42.4	41.8	41.6	41.4		3.2	2.9	3.0	3.0	
Bags, except textile bags	2643	41.3	40.9	41.9	41.7		3.5	3.4	3.7	3.7	
Paperboard containers and boxes	265	42.5	42.2	41.8	41.7		4.0	3.9	3.9	3.9	
Folding paperboard boxes	2651	43.2	42.2	41.7	42.1		4.4	3.8	3.9	4.1	
Corrugated and solid fiber boxes	2653	43.0	42.5	42.4	42.1		4.1	3.9	4.1	4.1	
Sanitary food containers	2654	41.8	42.6	41.6	41.6		3.9	4.7	4.1	4.0	

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
		Nondurable goods—Continued									
Food and kindred products—Continued											
Sugar and confectionery products	206	\$8.92	\$8.92	\$8.95	\$9.02		\$353.23	\$352.34	\$361.58	\$362.60	
Cane and beet sugar	2061-3	10.87	10.79	10.49	10.85		448.93	440.23	441.63	464.38	
Confectionery products	2065	7.73	7.66	7.61	7.73		299.92	296.44	299.83	301.47	
Fats and oils	207	8.74	8.78	8.94	9.06		376.69	367.88	370.12	375.08	
Beverages	208	11.61	11.62	11.86	11.92		471.37	475.26	472.03	480.38	
Malt beverages	2082	15.86	16.01	16.35	16.54		677.22	678.82	693.24	702.95	
Bottled and canned soft drinks	2086	8.99	9.05	9.27	9.44		356.00	369.24	363.38	378.54	
Misc. food and kindred products	209	8.01	8.01	8.25	8.29		305.18	302.78	319.28	320.82	
Tobacco manufactures	21	12.76	12.84	13.38	13.76	\$14.12	478.50	469.94	488.37	528.38	\$518.20
Cigarettes	211	15.29	15.26	16.02	16.21		570.32	544.78	591.14	628.95	
Textile mill products	22	6.86	6.87	7.13	7.14	7.18	278.52	278.92	298.03	300.59	292.94
Weaving mills, cotton	221	7.10	7.17	7.43	7.44		287.55	294.69	318.75	323.64	
Weaving mills, synthetics	222	7.30	7.30	7.66	7.62		292.00	294.19	321.72	322.33	
Weaving and finishing mills, wool	223	7.27	7.23	7.60	7.59		303.16	294.98	325.28	320.30	
Narrow fabric mills	224	6.52	6.51	6.72	6.71		268.62	266.26	274.85	277.79	
Knitting mills	225	6.34	6.36	6.51	6.52		249.80	249.31	259.75	262.76	
Women's hosiery, except socks	2251	6.32	6.24	6.36	6.34		247.11	242.11	255.67	258.04	
Hosiery, nec	2252	6.02	5.99	6.11	6.13		231.77	224.63	237.07	246.43	
Knit outerwear mills	2253	6.24	6.32	6.48	6.53		237.74	239.53	248.18	250.10	
Knit underwear mills	2254	5.89	5.92	6.21	6.25		227.94	233.25	250.88	254.38	
Circular knit fabric mills	2257	6.91	6.93	7.15	7.10		292.29	291.06	309.60	310.98	
Textile finishing, except wool	226	7.21	7.24	7.34	7.39		302.10	299.74	308.28	317.03	
Finishing plants, cotton	2261	7.21	7.21	7.38	7.45		308.59	303.54	304.79	317.37	
Finishing plants, synthetics	2262	7.65	7.67	7.66	7.70		309.83	309.10	322.49	329.56	
Floor covering mills	227	7.04	7.07	7.58	7.62		287.94	285.63	330.49	325.37	
Yarn and thread mills	228	6.44	6.44	6.68	6.71		267.26	269.19	283.23	287.19	
Yarn mills, except wool	2281	6.43	6.45	6.69	6.71		271.35	274.77	291.68	294.57	
Throwing and winding mills	2282	6.46	6.42	6.68	6.72		245.48	245.89	251.17	255.36	
Miscellaneous textile goods	229	7.80	7.82	8.20	8.23		334.62	330.00	359.16	358.83	
Apparel and other textile products	23	5.80	5.81	5.88	5.90	5.92	211.70	211.48	218.74	218.89	211.34
Men's and boys' suits and coats	231	6.67	6.69	6.71	6.74		234.78	234.15	242.23	240.62	
Men's and boys' furnishings	232	5.38	5.40	5.42	5.42		200.14	200.34	201.62	200.00	
Men's and boys' shirts and nightwear	2321	5.16	5.15	5.22	5.22		194.53	194.16	196.27	195.75	
Men's and boys' separate trousers	2327	5.31	5.30	5.32	5.29		191.16	188.68	195.24	194.67	
Men's and boys' work clothing	2328	5.46	5.51	5.51	5.54		197.65	200.01	203.32	199.99	
Women's and misses' outerwear	233	5.55	5.56	5.62	5.66		194.81	193.49	204.01	204.89	
Women's and misses' blouses and waists	2331	5.12	5.10	5.08	5.07		175.62	175.44	183.39	180.49	
Women's and misses' dresses	2335	5.83	5.82	6.00	6.08		202.30	199.63	212.40	218.27	
Women's and misses' suits and coats	2337	6.39	6.52	6.31	6.42		218.54	222.98	217.06	222.77	
Women's and misses' outerwear, nec	2339	5.34	5.32	5.44	5.46		190.64	188.33	202.91	201.47	
Women's and children's undergarments	234	5.35	5.41	5.51	5.47		196.88	197.47	202.22	199.66	
Women's and children's underwear	2341	5.19	5.24	5.35	5.29		192.55	191.78	198.49	194.67	
Brassieres and allied garments	2342	6.06	6.17	6.31	6.31		216.34	222.74	220.85	222.74	
Children's outerwear	236	5.19	5.19	5.17	5.21		188.92	191.51	191.81	191.21	
Children's dresses and blouses	2361	5.00	4.99	5.01	5.01		175.00	177.64	184.87	177.35	
Misc. apparel and accessories	238	5.63	5.61	5.71	5.69		208.87	205.33	218.12	219.63	
Misc. fabricated textile products	239	7.10	7.11	7.23	7.19		276.19	274.45	284.14	285.44	
Curtains and draperies	2391	5.55	5.53	5.73	5.70		202.58	204.61	220.61	224.58	
House furnishings, nec	2392	5.91	5.93	6.07	6.04		221.63	221.19	234.30	236.16	
Automotive and apparel trimmings	2396	11.13	11.19	11.13	11.05		464.12	458.79	466.35	466.31	
Paper and allied products	26	11.03	11.05	11.18	11.18	11.30	477.60	474.05	481.86	479.62	479.12
Paper and pulp mills	261,2,6	13.39	13.42	13.57	13.63		605.23	603.90	612.01	614.71	
Paper mills, except building paper	262	13.48	13.52	13.64	13.70		609.30	609.75	616.53	619.24	
Paperboard mills	263	13.86	13.90	14.03	14.03		620.93	617.16	620.13	613.11	
Misc. converted paper products	264	9.48	9.52	9.71	9.70		399.11	395.08	409.76	407.40	
Paper coating and glazing	2641	10.84	10.87	10.80	10.72		470.46	466.32	478.44	471.68	
Envelopes	2642	8.56	8.61	9.06	9.07		362.94	359.90	376.90	375.50	
Bags, except textile bags	2643	9.02	9.07	8.97	8.99		372.53	370.96	375.84	374.88	
Paperboard containers and boxes	265	9.51	9.46	9.60	9.59		404.18	399.21	401.28	399.90	
Folding paperboard boxes	2651	9.85	9.81	9.93	10.00		425.52	413.98	414.08	421.00	
Corrugated and solid fiber boxes	2653	9.74	9.70	9.79	9.77		418.82	412.25	415.10	411.32	
Sanitary food containers	2654	9.06	9.20	9.35	9.29		378.71	391.92	388.96	386.46	

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Nondurable goods—Continued											
Printing and publishing	27	38.1	37.9	37.8	38.0	37.8	3.0	2.7	2.8	3.0	
Newspapers	271	33.7	33.5	33.2	33.6	-	1.6	1.5	1.4	1.3	
Periodicals	272	38.7	38.3	39.2	39.4		3.8	3.2	3.0	3.4	
Books	273	39.9	40.5	39.3	39.5		3.8	3.9	3.6	3.3	
Book publishing	2731	39.1	39.5	38.6	39.0		3.3	3.5	3.2	2.9	
Book printing	2732	41.2	42.1	40.6	40.2		4.6	4.5	4.2	4.0	
Miscellaneous publishing	274	36.5	36.0	36.0	36.8		2.1	1.6	2.6	2.9	
Commercial printing	275	39.6	39.2	39.4	39.6		3.6	3.2	3.4	3.6	
Commercial printing, letterpress	2751	39.1	38.6	39.1	39.3		2.9	2.7	3.0	3.1	
Commercial printing, lithographic	2752	39.7	39.3	39.4	39.5		3.8	3.4	3.5	3.7	
Manifold business forms	276	40.8	40.4	40.6	41.0		3.5	3.2	3.0	3.1	
Blankbooks and bookbinding	278	38.6	38.2	37.7	38.0		1.9	1.6	1.9	2.4	
Printing trade services	279	39.0	39.1	38.2	38.2		3.4	3.5	3.5	3.6	
Chemicals and allied products	28	42.0	41.9	42.1	42.2	42.3	3.5	3.6	3.8	3.9	
Industrial inorganic chemicals	281	41.9	41.6	42.2	42.4	-	3.1	3.4	3.8	3.9	
Industrial inorganic chemicals, nec	2819	42.6	42.1	42.7	43.2		3.2	3.4	3.9	3.9	
Plastics materials and synthetics	282	42.2	42.1	42.9	42.9		3.8	3.8	4.1	4.2	
Plastics materials and resins	2821	43.4	43.4	43.3	43.5		4.6	4.8	4.5	4.7	
Organic fibers, noncellulosic	2824	41.9	41.6	42.4	42.1		3.3	3.2	3.6	3.6	
Drugs	283	41.6	41.3	41.9	41.6		3.1	3.0	3.4	3.3	
Pharmaceutical preparations	2834	41.7	41.3	41.8	42.1		3.1	3.0	3.5	3.5	
Soap, cleaners, and toilet goods	284	41.1	40.8	40.8	41.1		3.0	3.0	3.3	3.4	
Soap and other detergents	2841	44.3	43.2	43.4	43.6		4.3	3.8	5.0	5.2	
Toilet preparations	2844	39.2	38.7	39.1	39.7		2.5	2.3	2.5	2.6	
Polishing, sanitation, and finishing preparations	2842,3	41.0	42.1	41.4	41.1		2.4	3.3	3.0	3.1	
Paints and allied products	285	41.9	41.6	41.0	41.4		3.3	3.6	3.2	3.5	
Industrial organic chemicals	286	43.3	43.4	42.9	43.5		4.1	4.2	4.8	5.0	
Cyclic crudes and intermediates	2865	42.7	43.7	41.7	42.2		4.0	4.8	4.7	5.0	
Gum, wood, and industrial organic chemicals, nec	2861,9	43.5	43.3	43.3	43.9		4.1	4.0	4.8	5.0	
Agricultural chemicals	287	42.6	42.8	43.0	43.0		4.8	5.0	5.1	5.0	
Miscellaneous chemical products	289	41.6	41.6	41.6	41.8		3.6	3.3	3.2	3.2	
Petroleum and coal products	29	43.7	43.5	43.8	44.3	43.9	4.5	4.3	4.4	5.0	
Petroleum refining	291	44.5	43.8	44.2	44.7	-	4.5	4.0	4.1	4.9	
Paving and roofing materials	295	41.9	43.5	43.3	43.5		5.2	6.0	6.0	6.3	
Rubber and misc. plastics products	30	41.3	41.1	41.5	41.6	40.8	3.8	3.5	3.8	3.9	
Tires and inner tubes	301	42.8	41.9	43.5	43.2	-	4.7	3.9	4.5	5.0	
Rubber and plastics footwear	302	38.6	39.2	40.1	41.0		1.3	1.7	1.6	1.9	
Reclaimed rubber, and rubber and plastics hose and belting	303,4	43.1	42.8	41.1	41.2		3.5	3.5	2.9	2.7	
Fabricated rubber products, nec	306	41.5	41.0	41.7	41.6		3.2	3.1	3.9	3.7	
Miscellaneous plastics products	307	41.1	41.0	41.3	41.4		3.8	3.6	3.8	3.9	
Leather and leather products	31	36.3	36.3	37.2	37.5	36.3	1.3	1.1	1.7	1.8	
Leather tanning and finishing	311	40.8	40.8	41.7	41.8	-	3.6	3.5	4.1	4.6	
Footwear, except rubber	314	35.1	35.2	36.8	36.8		.9	.7	1.6	1.5	
Men's footwear, except athletic	3143	35.5	35.2	37.3	37.7		.9	.6	1.2	1.4	
Women's footwear, except athletic	3144	33.8	34.9	36.7	35.9		.8	.7	2.2	1.7	
Luggage	316	39.1	39.6	37.9	38.4		2.0	2.5	.5	.9	
Handbags and personal leather goods	317	37.3	36.4	36.5	37.1		1.1	.5	1.4	1.7	
Transportation and public utilities		39.4	39.0	39.1	39.1	38.8					
Railroad transportation:											
Class I railroads ³	4011	45.1	41.7	45.1	45.7						
Local and interurban passenger transit	41	34.0	34.2	33.2	33.1						
Local and suburban transportation	411	38.5	38.7	37.8	37.8						
Intercity highway transportation	413	39.0	39.0	39.4	36.8						
Trucking and warehousing	42	37.9	37.9	38.2	38.2						
Trucking and trucking terminals	421,3	37.9	38.0	38.2	38.2						
Public warehousing	422	37.6	37.4	38.4	38.2						
Pipe lines, except natural gas	46	43.5	40.3	40.4	40.6						

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Nondurable goods—Continued											
Printing and publishing	27	\$9.90	\$9.87	\$10.16	\$10.17	\$10.18	\$377.19	\$374.07	\$384.05	\$386.46	\$384.80
Newspapers	271	9.97	9.97	10.09	10.02	-	335.99	334.00	334.99	336.67	-
Periodicals	272	10.65	10.59	10.88	10.92	-	412.16	405.60	426.50	430.25	-
Books	273	8.64	8.57	9.16	9.07	-	344.74	347.09	359.99	358.27	-
Book publishing	2731	7.93	7.92	8.67	8.56	-	310.06	312.84	334.66	333.84	-
Book printing	2732	9.69	9.52	9.92	9.90	-	399.23	400.79	402.75	397.98	-
Miscellaneous publishing	274	8.82	8.79	9.14	9.16	-	321.93	316.44	329.04	337.09	-
Commercial printing	275	10.25	10.18	10.48	10.53	-	405.90	399.06	412.91	416.99	-
Commercial printing, letterpress	2751	9.78	9.76	10.12	10.14	-	382.40	376.74	395.69	398.50	-
Commercial printing, lithographic	2752	10.44	10.35	10.64	10.71	-	414.47	406.76	419.22	423.05	-
Manifold business forms	276	10.25	10.35	10.46	10.50	-	418.20	418.14	424.68	430.50	-
Blankbooks and bookbinding	278	7.75	7.82	7.97	8.12	-	299.15	298.72	300.47	308.56	-
Printing trade services	279	11.85	11.92	12.54	12.51	-	462.15	466.07	479.03	477.88	-
Chemicals and allied products	28	11.78	11.82	12.20	12.23	12.32	494.76	495.26	513.62	516.11	521.14
Industrial inorganic chemicals	281	12.97	12.99	13.42	13.45	-	543.44	540.38	566.32	570.28	-
Industrial inorganic chemicals, nec	2819	13.05	13.06	13.43	13.49	-	555.93	549.83	573.46	582.77	-
Plastics materials and synthetics	282	11.98	12.03	12.31	12.29	-	505.56	506.46	528.10	527.24	-
Plastics materials and resins	2821	13.00	13.12	13.35	13.36	-	564.20	569.41	578.06	581.16	-
Organic fibers, noncellulosic	2824	11.68	11.72	11.88	11.79	-	489.39	487.55	503.71	496.36	-
Drugs	283	10.97	11.02	11.40	11.50	-	456.35	455.13	477.66	478.40	-
Pharmaceutical preparations	2834	10.68	10.74	11.09	11.10	-	445.36	443.56	463.56	467.31	-
Soap, cleaners, and toilet goods	284	10.53	10.59	10.90	10.94	-	432.78	432.07	444.72	449.63	-
Soap and other detergents	2841	13.68	13.65	14.08	14.22	-	606.02	589.68	611.07	619.99	-
Toilet preparations	2844	8.83	8.89	9.32	9.33	-	346.14	344.04	364.41	370.40	-
Polishing, sanitation, and finishing preparations	2842,3	9.74	9.98	10.06	10.10	-	399.34	420.16	416.48	415.11	-
Paints and allied products	285	10.34	10.34	10.82	10.83	-	433.25	430.14	443.62	448.36	-
Industrial organic chemicals	286	14.09	14.13	14.60	14.66	-	610.10	613.24	626.34	637.71	-
Cyclic crudes and intermediates	2865	13.82	13.95	14.71	14.56	-	590.11	609.62	613.41	614.43	-
Gum, wood, and industrial organic chemicals, nec	2861,9	14.18	14.19	14.57	14.69	-	616.83	614.43	630.88	644.89	-
Agricultural chemicals	287	11.07	10.92	11.64	11.58	-	471.58	467.38	500.52	497.94	-
Miscellaneous chemical products	289	11.09	11.12	11.34	11.30	-	461.34	462.59	471.74	472.34	-
Petroleum and coal products	29	14.22	14.16	14.35	14.38	14.33	621.41	615.96	628.53	637.03	629.09
Petroleum refining	291	15.34	15.35	15.47	15.48	-	682.63	672.33	683.77	691.96	-
Paving and roofing materials	295	10.41	10.65	10.85	11.06	-	436.18	463.28	469.81	481.11	-
Rubber and misc. plastics products	30	8.72	8.68	8.82	8.83	8.81	360.14	356.75	366.03	367.33	359.45
Tires and inner tubes	301	13.55	13.47	13.80	13.84	-	579.94	564.39	600.30	597.89	-
Rubber and plastics footwear	302	5.96	6.04	5.97	5.90	-	230.06	236.77	239.40	241.90	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	8.46	8.48	8.91	9.02	-	364.63	362.94	366.20	371.62	-
Fabricated rubber products, nec	306	8.47	8.54	8.63	8.60	-	351.51	350.14	359.87	357.76	-
Miscellaneous plastics products	307	8.12	8.08	8.21	8.23	-	333.73	331.28	339.07	340.72	-
Leather and leather products	31	5.86	5.89	5.99	6.04	6.15	212.72	213.81	222.83	226.50	223.25
Leather tanning and finishing	311	7.52	7.57	7.98	8.05	-	306.82	308.86	332.77	336.49	-
Footwear, except rubber	314	5.57	5.60	5.71	5.75	-	195.51	197.12	210.13	211.60	-
Men's footwear, except athletic	3143	5.95	5.95	6.13	6.16	-	211.23	209.44	228.65	232.23	-
Women's footwear, except athletic	3144	5.32	5.32	5.38	5.41	-	179.82	185.67	197.45	194.22	-
Luggage	316	6.23	6.28	6.21	6.33	-	243.59	248.69	235.36	243.07	-
Handbags and personal leather goods	317	5.59	5.63	5.75	5.80	-	208.51	204.93	209.88	215.18	-
Transportation and public utilities		11.62	11.55	11.77	11.75	11.79	457.83	450.45	460.21	459.43	457.45
Railroad transportation:											
Class I railroads ³	4011	13.77	13.59	14.28	14.13	-	621.03	566.70	644.03	645.74	-
Local and interurban passenger transit	41	7.91	7.91	8.10	8.10	-	268.94	270.52	268.92	268.11	-
Local and suburban transportation	411	8.38	8.37	8.58	8.67	-	322.63	323.92	324.32	327.73	-
Intercity highway transportation	413	11.60	11.76	11.64	11.50	-	452.40	458.64	458.62	423.20	-
Trucking and warehousing	42	10.71	10.79	10.74	10.76	-	405.91	408.94	410.27	411.03	-
Trucking and trucking terminals	421,3	10.87	10.94	10.92	10.94	-	411.97	415.72	417.14	417.91	-
Public warehousing	422	8.43	8.49	8.25	8.29	-	316.97	317.53	316.80	316.68	-
Pipe lines, except natural gas	46	15.05	15.20	15.39	15.36	-	654.68	612.56	621.76	623.62	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Transportation and public utilities—Continued											
Communication	48	40.2	39.8	39.6	39.5						
Telephone communication	481	41.4	41.0	40.7	40.6						
Radio and television broadcasting	483	37.2	36.7	37.0	36.7						
Electric, gas, and sanitary services	49	41.7	41.9	41.1	41.0						
Electric services	491	41.6	42.0	40.6	40.8						
Gas production and distribution	492	40.3	40.8	40.8	40.2						
Combination utility services	493	42.6	42.2	42.4	41.9						
Sanitary services	495	43.2	43.5	41.3	41.3						
Wholesale trade		38.3	38.3	38.1	38.1	38.1					
Durable goods	50	38.8	38.8	38.6	38.7						
Motor vehicles and automotive equipment	501	38.3	38.4	37.9	37.8						
Furniture and home furnishings	502	36.7	36.8	37.0	37.2						
Lumber and construction materials	503	39.0	39.4	38.7	38.9						
Sporting goods, toys, and hobby goods	504	36.3	36.5	36.4	36.6						
Metals and minerals, except petroleum	505	40.1	40.0	40.5	40.6						
Electrical goods	506	38.4	38.4	38.6	38.6						
Hardware, plumbing, and heating equipment	507	38.4	38.4	38.2	38.2						
Machinery, equipment, and supplies	508	39.5	39.4	39.1	39.1						
Miscellaneous durable goods	509	37.5	37.7	37.7	38.0						
Nondurable goods	51	37.5	37.6	37.3	37.3						
Paper and paper products	511	37.2	36.9	37.2	36.8						
Drugs, proprietaries, and sundries	512	36.9	37.0	36.9	37.2						
Apparel, piece goods, and notions	513	35.9	36.0	36.6	36.3						
Groceries and related products	514	37.9	37.8	37.7	37.6						
Chemicals and allied products	516	39.0	39.1	39.8	39.9						
Petroleum and petroleum products	517	39.4	39.1	38.9	38.9						
Beer, wine, and distilled beverages	518	36.1	35.9	35.8	35.8						
Miscellaneous nondurable goods	519	37.4	37.6	36.6	36.9						
Retail trade		28.9	28.9	28.8	28.9	29.2					
Building materials and garden supplies	52	35.7	36.2	36.2	36.3						
Lumber and other building materials	521	37.7	38.2	38.1	38.4						
Hardware stores	525	32.5	32.7	32.3	32.7						
General merchandise stores	53	27.7	28.1	27.0	27.7						
Department stores	531	27.5	27.9	26.8	27.5						
Variety stores	533	28.9	29.2	28.0	28.4						
Misc. general merchandise stores	539	28.9	28.9	28.8	29.0						
Food stores	54	29.5	29.6	29.4	29.4						
Grocery stores	541	29.7	29.8	29.6	29.6						
Retail bakeries	546	29.1	28.8	28.0	27.5						
Automotive dealers and service stations	55	36.5	36.4	36.2	36.3						
New and used car dealers	551,2	37.5	37.3	37.2	37.3						
Auto and home supply stores	553	38.9	39.2	38.7	38.8						
Gasoline service stations	554	34.0	33.9	33.6	33.8						
Apparel and accessory stores	56	26.8	26.7	26.1	26.4						
Men's and boys' clothing and furnishings	561	29.1	29.2	29.3	29.5						
Women's ready-to-wear stores	562	25.6	25.5	24.6	24.8						
Family clothing stores	565	27.2	26.9	26.2	26.4						
Shoe stores	566	27.4	27.4	27.5	27.6						
Furniture and home furnishings stores	57	33.0	32.7	33.0	33.1						
Furniture and home furnishings stores	571	32.9	32.8	32.6	32.8						
Household appliance stores	572	33.9	33.4	33.4	33.6						
Radio, television, and music stores	573	32.7	32.2	33.6	33.4						
Eating and drinking places ⁴	58	25.3	25.3	25.5	25.6						

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^P	Apr. 1987 ^P	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^P	Apr. 1987 ^P
Transportation and public utilities—Continued											
Communication	48	\$12.06	\$12.04	\$12.19	\$12.24		\$484.81	\$479.19	\$482.72	\$483.48	
Telephone communication	481	12.76	12.70	12.97	13.04		528.26	520.70	527.88	529.42	
Radio and television broadcasting	483	10.78	10.97	10.77	10.79		401.02	402.60	398.49	395.99	
Electric, gas, and sanitary services	49	13.35	13.24	13.69	13.69		556.70	554.76	562.66	561.29	
Electric services	491	13.34	13.31	13.78	13.79		554.94	559.02	559.47	562.63	
Gas production and distribution	492	12.46	12.33	12.91	13.00		502.14	503.06	526.73	522.60	
Combination utility services	493	15.72	15.47	15.78	15.70		669.67	652.83	669.07	657.83	
Sanitary services	495	9.56	9.57	10.03	10.07		412.99	416.30	414.24	415.89	
Wholesale trade		9.33	9.29	9.55	9.53	\$9.55	357.34	355.81	363.86	363.09	\$363.86
Durable goods	50	9.44	9.41	9.70	9.67		366.27	365.11	374.42	374.23	
Motor vehicles and automotive equipment	501	8.37	8.39	8.57	8.61		320.57	322.18	324.80	325.46	
Furniture and home furnishings	502	8.53	8.48	8.77	8.80		313.05	312.06	324.49	327.36	
Lumber and construction materials	503	8.81	8.86	9.11	9.07		343.59	349.08	352.56	352.82	
Sporting goods, toys, and hobby goods	504	9.73	9.78	9.75	9.73		353.20	356.97	354.90	356.12	
Metals and minerals, except petroleum	505	10.27	10.20	10.29	10.29		411.83	408.00	416.75	417.77	
Electrical goods	506	9.80	9.71	10.16	9.98		376.32	372.86	392.18	385.23	
Hardware, plumbing, and heating equipment	507	8.92	8.89	9.16	9.17		342.53	341.38	349.91	350.29	
Machinery, equipment, and supplies	508	10.01	9.99	10.34	10.33		395.40	393.61	404.29	403.90	
Miscellaneous durable goods	509	7.58	7.56	7.68	7.70		284.25	285.01	289.54	292.60	
Nondurable goods	51	9.16	9.10	9.33	9.32		343.50	342.16	348.01	347.64	
Paper and paper products	511	9.96	9.99	9.72	9.70		370.51	368.63	361.58	356.96	
Drugs, proprietaries, and sundries	512	10.58	10.49	10.85	10.76		390.40	388.13	400.37	400.27	
Apparel, piece goods, and notions	513	8.83	8.82	9.23	9.16		317.00	317.52	337.82	332.51	
Groceries and related products	514	9.22	9.15	9.41	9.40		349.44	345.87	354.76	353.44	
Chemicals and allied products	516	11.46	11.36	12.12	11.97		446.94	444.18	482.38	477.60	
Petroleum and petroleum products	517	9.83	9.64	9.58	9.68		387.30	376.92	372.66	376.55	
Beer, wine, and distilled beverages	518	10.75	10.84	10.73	10.95		388.08	389.16	384.13	392.01	
Miscellaneous nondurable goods	519	7.44	7.44	7.75	7.69		278.26	279.74	283.65	283.76	
Retail trade		6.03	6.01	6.06	6.06	6.06	174.27	173.69	174.53	175.13	176.95
Building materials and garden supplies	52	6.75	6.75	6.94	6.91		240.98	244.35	251.23	250.83	
Lumber and other building materials	521	7.06	7.12	7.25	7.24		266.16	271.98	276.23	278.02	
Hardware stores	525	5.78	5.77	5.86	5.85		187.85	188.68	189.28	191.30	
General merchandise stores	53	6.26	6.30	6.43	6.43		173.40	177.03	173.61	178.11	
Department stores	531	6.53	6.58	6.72	6.71		179.58	183.58	180.10	184.53	
Variety stores	533	4.69	4.68	4.76	4.77		135.54	136.66	133.28	135.47	
Misc. general merchandise stores	539	4.91	4.89	5.01	5.05		141.90	141.32	144.29	146.45	
Food stores	54	7.16	7.12	6.93	6.92		211.22	210.75	203.74	203.45	
Grocery stores	541	7.36	7.32	7.10	7.09		218.59	218.14	210.16	209.86	
Retail bakeries	546	5.44	5.47	5.51	5.55		158.30	157.54	154.28	152.63	
Automotive dealers and service stations	55	7.52	7.56	7.52	7.55		274.48	275.18	272.22	274.07	
New and used car dealers	551,2	9.12	9.19	9.06	9.14		342.00	342.79	337.03	340.92	
Auto and home supply stores	553	6.52	6.59	6.61	6.57		253.63	258.33	255.81	254.92	
Gasoline service stations	554	5.40	5.39	5.46	5.46		183.60	182.72	183.46	184.55	
Apparel and accessory stores	56	5.34	5.36	5.52	5.48		143.11	143.11	144.07	144.67	
Men's and boys' clothing and furnishings	561	6.14	6.19	6.54	6.38		178.67	180.75	191.62	188.21	
Women's ready-to-wear stores	562	5.06	5.08	5.17	5.15		129.54	129.54	127.18	127.72	
Family clothing stores	565	5.31	5.30	5.51	5.48		144.43	142.57	144.36	144.67	
Shoe stores	566	5.35	5.44	5.46	5.50		146.59	149.06	150.15	151.80	
Furniture and home furnishings stores	57	7.24	7.24	7.32	7.30		238.92	236.75	241.56	241.63	
Furniture and home furnishings stores	571	7.34	7.28	7.39	7.39		241.49	238.78	240.91	242.39	
Household appliance stores	572	7.37	7.33	7.40	7.34		249.84	244.82	247.16	246.62	
Radio, television, and music stores	573	7.02	7.13	7.16	7.11		229.55	229.59	240.58	237.47	
Eating and drinking places ⁴	58	4.36	4.34	4.40	4.42		110.31	109.80	112.20	113.15	

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Retail trade—Continued											
Miscellaneous retail	59	30.0	30.0	30.3	29.8						
Drug stores and proprietary stores	591	28.2	28.1	27.7	27.7						
Miscellaneous shopping goods stores	594	28.3	28.3	28.2	28.1						
Nonstore retailers	596	32.7	32.6	33.0	33.0						
Fuel and ice dealers	598	38.3	37.6	39.7	38.6						
Retail stores, nec	599	31.6	31.8	33.4	31.0						
Finance, insurance, and real estate⁵		36.7	36.4	36.5	36.4	36.4					
Banking	60	36.6	36.4	36.3	36.0						
Commercial and stock savings banks	602	36.6	36.4	36.3	36.0						
Credit agencies other than banks	61	37.8	37.4	37.1	37.1						
Savings and loan associations	612	36.9	36.5	36.0	36.0						
Personal credit institutions	614	37.8	37.4	37.4	37.3						
Insurance carriers	63	37.8	37.6	37.5	37.4						
Life insurance	631	37.2	37.0	37.2	37.0						
Medical service and health insurance	632	38.0	38.0	37.2	37.5						
Fire, marine, and casualty insurance	633	37.9	37.6	37.5	37.4						
Services		32.4	32.4	32.3	32.3	32.2					
Hotels and other lodging places:											
Hotels, motels, and tourist courts ⁴	701	30.6	30.6	30.9	30.6						
Personal services:											
Laundry, cleaning, and garment services	721	33.8	34.1	33.8	34.0						
Beauty shops ⁴	723	29.8	29.5	29.9	30.0						
Business services	73	33.6	33.6	33.3	33.3						
Advertising	731	36.2	36.3	35.8	36.1						
Services to buildings	734	28.4	28.5	28.1	28.2						
Computer and data processing services	737	38.6	39.1	37.8	37.5						
Auto repair, services, and garages	75	37.1	37.3	37.2	37.2						
Automotive repair shops	753	38.4	38.5	38.4	38.3						
Miscellaneous repair services	76	37.9	38.0	37.6	37.5						
Motion pictures	78	27.1	26.9	28.2	28.1						
Motion picture production and services	781	33.3	34.2	35.3	35.2						
Amusement and recreation services	79	28.3	27.7	28.6	28.2						
Health services	80	32.4	32.3	32.3	32.3						
Offices of physicians	801	30.9	30.8	30.8	30.7						
Offices of dentists	802	28.2	28.1	28.0	28.2						
Nursing and personal care facilities	805	31.3	31.0	31.4	31.3						
Hospitals	806	34.2	34.2	34.1	34.1						
Legal services	81	34.8	34.7	34.4	34.3						
Miscellaneous services	89	39.3	39.6	38.6	38.7						
Engineering and architectural services	891	39.6	39.7	39.2	39.0						
Accounting, auditing, and bookkeeping	893	39.9	40.4	38.5	39.2						

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				
		Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^p	Apr. 1987 ^p
Retail trade—Continued											
Miscellaneous retail	59	\$6.10	\$6.10	\$6.29	\$6.30		\$183.00	\$183.00	\$190.59	\$187.74	
Drug stores and proprietary stores	591	5.57	5.58	5.79	5.81		157.07	156.80	160.38	160.94	
Miscellaneous shopping goods stores	594	5.72	5.74	5.83	5.87		161.88	162.44	164.41	164.95	
Nonstore retailers	596	6.86	6.90	7.10	7.11		224.32	224.94	234.30	234.63	
Fuel and ice dealers	598	8.78	8.62	9.20	9.07		336.27	324.11	365.24	350.10	
Retail stores, nec	599	6.27	6.32	6.37	6.44		198.13	200.98	212.76	199.64	
Finance, insurance, and real estate⁵		8.30	8.29	8.71	8.69	\$8.63	304.61	301.76	317.92	316.32	\$314.13
Banking	60	7.15	7.13	7.51	7.49		261.69	259.53	272.61	269.64	
Commercial and stock savings banks	602	6.97	6.94	7.27	7.23		255.10	252.62	263.90	260.28	
Credit agencies other than banks	61	7.54	7.49	7.96	7.95		285.01	280.13	295.32	294.95	
Savings and loan associations	612	7.11	7.08	7.53	7.51		262.36	258.42	271.08	270.36	
Personal credit institutions	614	7.27	7.18	7.50	7.50		274.81	268.53	280.50	279.75	
Insurance carriers	63	8.95	8.99	9.51	9.50		338.31	338.02	356.63	355.30	
Life insurance	631	8.42	8.52	9.01	9.01		313.22	315.24	335.17	333.37	
Medical service and health insurance	632	9.06	8.94	9.54	9.45		344.28	339.72	354.89	354.38	
Fire, marine, and casualty insurance	633	9.35	9.36	9.86	9.81		354.37	351.94	369.75	366.89	
Services		8.18	8.12	8.41	8.40	8.38	265.03	263.09	271.64	271.32	269.84
Hotels and other lodging places:											
Hotels, motels, and tourist courts ⁴	701	5.97	5.96	6.15	6.09		182.68	182.38	190.04	186.35	
Personal services:											
Laundry, cleaning, and garment services	721	5.96	5.95	6.07	6.08		201.45	202.90	205.17	206.72	
Beauty shops ⁴	723	6.15	6.10	6.04	6.22		183.27	179.95	180.60	186.60	
Business services	73	8.44	8.41	8.61	8.61		283.58	282.58	286.71	286.71	
Advertising	731	11.54	11.25	11.47	11.59		417.75	408.38	410.63	418.40	
Services to buildings	734	6.37	6.40	6.51	6.53		180.91	182.40	182.93	184.15	
Computer and data processing services	737	11.55	11.40	12.02	12.07		445.83	445.74	454.36	452.63	
Auto repair, services, and garages	75	7.55	7.52	7.74	7.76		280.11	280.50	287.93	288.67	
Automotive repair shops	753	8.14	8.10	8.31	8.33		312.58	311.85	319.10	319.04	
Miscellaneous repair services	76	8.81	8.81	8.99	9.01		333.90	334.78	338.02	337.88	
Motion pictures	78	12.82	12.39	12.58	12.44		347.42	333.29	354.76	349.56	
Motion picture production and services	781	17.35	17.03	16.53	16.37		577.76	582.43	583.51	576.22	
Amusement and recreation services	79	7.43	7.10	7.19	7.17		210.27	196.67	205.63	202.19	
Health services	80	8.26	8.27	8.57	8.55		267.62	267.12	276.81	276.17	
Offices of physicians	801	8.19	8.13	8.39	8.31		253.07	250.40	258.41	255.12	
Offices of dentists	802	8.24	8.25	8.49	8.43		232.37	231.83	237.72	237.73	
Nursing and personal care facilities	805	5.77	5.76	5.89	5.89		180.60	178.56	184.95	184.36	
Hospitals	806	9.22	9.26	9.66	9.66		315.32	316.69	329.41	329.41	
Legal services	81	11.17	10.93	11.84	11.85		388.72	379.27	407.30	406.46	
Miscellaneous services	89	11.63	11.50	12.01	11.99		457.06	455.40	463.59	464.01	
Engineering and architectural services	891	12.77	12.67	12.98	13.03		505.69	503.00	508.82	508.17	
Accounting, auditing, and bookkeeping	893	9.67	9.49	10.19	10.16		385.83	383.40	392.32	398.27	

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

² See table C-2a for average hourly earnings in the aircraft industry (SIC 3721).

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

⁴ Money payments only; tips, not included.

⁵ Data for nonoffice sales agents are excluded from all series in this division.

- 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.

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	13.48	13.38	13.44	13.46	13.46	13.38	13.42	13.41	13.43	13.48	13.52	13.66	13.64
1987		13.60	13.65	^P 13.70									
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	13.78	13.58	13.64	13.66	13.66	13.58	13.63	13.61	13.63	13.68	14.12	14.23	14.19
1987		14.14	14.19	^P 14.24									

^P = preliminary.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ^P	Apr. 1987 ^P
Manufacturing	\$9.33	\$9.33	\$9.43	\$9.43	\$9.48
Durable goods	9.88	9.87	9.95	9.94	9.98
Lumber and wood products	8.01	8.00	7.98	7.93	(?)
Furniture and fixtures	7.13	7.14	7.31	7.30	(?)
Stone, clay, and glass products ..	9.42	9.45	9.63	9.60	(?)
Primary metal industries	11.42	11.46	11.27	11.31	(?)
Fabricated metal products	9.48	9.47	9.57	9.55	(?)
Machinery, except electrical	10.15	10.16	10.19	10.21	(?)
Electrical and electronic equipment	9.30	9.32	9.53	9.53	(?)
Transportation equipment	12.24	12.21	12.30	12.27	(?)
Instruments and related products ..	9.10	9.12	9.33	9.28	(?)
Miscellaneous manufacturing	7.29	7.29	7.46	7.44	(?)
Nondurable goods	8.54	8.55	8.69	8.71	\$8.79
Food and kindred products	8.39	8.39	8.54	8.56	(?)
Tobacco manufactures	12.54	12.67	13.23	13.44	(?)
Textile mill products	6.56	6.58	6.78	6.78	(?)
Apparel and other textile products ..	5.68	5.69	5.74	5.75	(?)
Paper and allied products	10.47	10.49	10.60	10.60	(?)
Printing and publishing	9.53	9.52	9.79	9.79	(?)
Chemicals and allied products	11.31	11.34	11.67	11.69	(?)
Petroleum and coal products	13.53	13.50	13.67	13.61	(?)
Rubber and misc. plastics products ..	8.34	8.33	8.44	8.44	(?)
Leather and leather products	5.76	5.80	5.86	5.90	(?)

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.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

C-4. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry, in current and constant (1977) dollars.

Industry	Average hourly earnings					Average weekly earnings				
	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ²	Apr. 1987 ²	Mar. 1986	Apr. 1986	Feb. 1987	Mar. 1987 ²	Apr. 1987 ²
Total private:										
Current dollars	\$8.73	\$8.72	\$8.89	\$8.89	\$8.89	\$302.93	\$301.71	\$307.59	\$307.59	\$306.71
Constant (1977) dollars	4.93	4.94	4.91	4.88	(²)	171.05	170.94	171.78	168.91	(²)
Mining:										
Current dollars	12.35	12.43	12.60	12.56	\$12.43	522.41	522.06	534.24	528.78	\$519.57
Constant (1977) dollars	6.98	7.04	6.95	6.89	(²)	294.98	295.78	294.67	290.38	(²)
Construction:										
Current dollars	12.22	12.29	12.46	12.55	\$12.54	444.81	462.10	459.77	470.63	\$470.25
Constant (1977) dollars	6.90	6.96	6.87	6.89	(²)	251.16	261.81	253.60	258.45	(²)
Manufacturing:										
Current dollars	9.72	9.70	9.83	9.84	\$9.87	395.60	392.85	401.06	402.46	\$398.75
Constant (1977) dollars	5.49	5.50	5.42	5.40	(²)	223.38	222.58	221.21	221.01	(²)
Transportation and public utilities:										
Current dollars	11.62	11.55	11.77	11.75	\$11.79	457.83	450.45	460.21	459.43	\$457.45
Constant (1977) dollars	6.56	6.54	6.49	6.45	(²)	258.51	255.21	253.84	252.30	(²)
Wholesale trade:										
Current dollars	9.33	9.29	9.55	9.53	\$9.55	357.34	355.81	363.86	363.09	\$363.86
Constant (1977) dollars	5.27	5.26	5.27	5.23	(²)	201.77	201.59	200.69	199.39	(²)
Retail trade:										
Current dollars	6.03	6.01	6.06	6.06	\$6.06	174.27	173.69	174.53	175.13	\$176.95
Constant (1977) dollars	3.40	3.41	3.34	3.33	(²)	98.40	98.41	96.27	96.17	(²)
Finance, insurance, and real estate:										
Current dollars	8.30	8.29	8.71	8.69	\$8.63	304.61	301.76	317.92	316.32	\$314.13
Constant (1977) dollars	4.69	4.70	4.81	4.77	(²)	172.00	170.97	175.36	173.71	(²)
Services:										
Current dollars	8.18	8.12	8.41	8.40	\$8.38	265.03	263.09	271.64	271.32	\$269.84
Constant (1977) dollars	4.62	4.60	4.64	4.61	(²)	149.65	149.06	149.83	149.00	(²)

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

² Not available.

³ = 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	1986									1987			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	Apr. ^P
Total private	34.8	34.8	34.7	34.7	34.8	34.7	34.7	34.8	34.6	34.8	35.0	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	40.6	40.6	40.8	40.8	40.7	40.8	40.8	41.0	41.3	41.0	40.5
<i>Overtime hours</i>	3.4	3.4	3.3	3.4	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.7	3.4
Durable goods	41.3	41.2	41.2	41.1	41.4	41.4	41.3	41.4	41.3	41.6	41.9	41.6	41.2
<i>Overtime hours</i>	3.6	3.4	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.7	3.8	3.6
Lumber and wood products	40.3	40.3	39.9	40.1	40.2	40.1	40.3	40.7	40.4	40.7	41.2	40.9	40.7
Furniture and fixtures	39.1	39.4	39.4	39.4	39.9	40.0	39.8	39.6	39.6	40.2	40.1	40.0	39.2
Stone, clay, and glass products	42.4	42.3	42.2	42.2	42.5	42.5	42.3	41.9	42.1	42.9	43.2	42.7	42.1
Primary metal industries	41.3	41.7	41.6	41.3	41.9	42.0	42.3	42.4	42.5	42.7	42.7	42.7	42.2
Blast furnaces and basic steel products ..	40.5	41.5	41.1	41.2	41.5	41.6	42.3	42.5	42.7	42.8	42.2	42.3	41.9
Fabricated metal products	41.2	41.1	41.1	41.1	41.2	41.5	41.2	41.4	41.1	41.5	41.8	41.4	40.9
Machinery, except electrical	41.8	41.8	41.7	41.4	41.7	41.7	41.6	41.7	41.5	42.0	42.2	42.0	41.9
Electrical and electronic equipment	41.1	41.0	41.0	41.1	41.2	41.2	40.9	41.0	41.0	41.0	41.3	40.9	40.6
Transportation equipment	42.1	41.9	42.2	42.1	42.6	42.6	42.1	42.3	42.1	42.3	42.7	42.6	41.9
Motor vehicles and equipment	41.9	41.8	42.4	42.4	42.8	42.7	42.1	42.6	42.6	43.2	43.5	43.2	42.2
Instruments and related products	41.3	40.9	41.0	40.8	41.0	40.7	41.1	41.2	41.3	41.2	41.5	41.3	40.8
Miscellaneous manufacturing	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Nondurable goods	39.9	39.9	39.8	39.8	40.0	39.9	39.9	40.1	40.1	40.1	40.4	40.2	39.7
<i>Overtime hours</i>	3.3	3.4	3.2	3.4	3.4	3.3	3.4	3.5	3.5	3.5	3.5	3.5	3.3
Food and kindred products	40.2	40.2	40.0	40.0	40.3	39.7	39.8	40.0	39.8	40.0	40.2	40.0	39.9
Tobacco manufactures	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Textile mill products	41.3	41.1	40.8	40.9	41.4	41.6	41.5	41.5	41.9	41.7	42.3	42.2	41.5
Apparel and other textile products	36.9	36.5	36.5	36.6	36.5	36.7	36.7	36.9	37.0	36.9	37.7	37.1	36.2
Paper and allied products	43.0	43.2	43.1	43.2	43.5	43.0	43.0	43.2	43.4	43.6	43.6	43.1	42.5
Printing and publishing	38.0	38.0	37.8	37.9	38.0	38.0	38.0	38.1	38.1	38.0	38.2	37.9	37.9
Chemicals and allied products	41.9	42.0	41.9	41.9	42.1	42.0	42.2	42.5	42.2	42.3	42.2	42.1	42.3
Petroleum and coal products	43.6	43.4	44.0	43.5	44.3	43.4	43.7	43.8	43.6	45.0	44.4	44.4	44.0
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	39.2	39.2	39.1	39.2	39.1	38.9	39.1	39.3	39.0	39.1	39.4	39.3	39.0
Wholesale trade	38.5	38.4	38.3	38.3	38.4	38.2	38.4	38.3	38.2	38.3	38.5	38.3	38.3
Retail trade	29.2	29.2	29.1	29.2	29.2	29.2	29.1	29.3	28.9	29.0	29.5	29.3	29.5
Finance, insurance, and real estate	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Services	32.5	32.5	32.4	32.4	32.4	32.3	32.4	32.5	32.4	32.4	32.5	32.4	32.3

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 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	1986									1987			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	Apr. ^P
Total private	117.8	117.7	117.3	117.9	118.4	118.3	118.6	119.3	119.0	119.9	121.1	120.6	120.5
Goods-producing	99.4	98.8	98.0	98.1	98.9	98.7	98.5	98.8	99.0	100.4	101.0	100.1	99.3
Mining	90.2	85.3	83.4	83.7	83.0	81.2	82.1	81.1	81.4	81.0	82.3	82.1	81.9
Construction	133.7	132.6	130.3	132.2	134.0	134.2	133.0	131.8	132.2	139.9	138.7	135.8	135.3
Manufacturing	93.2	92.9	92.4	92.2	92.9	92.7	92.6	93.3	93.4	93.6	94.6	94.0	93.1
Durable goods	91.5	91.0	90.3	89.9	90.7	90.5	90.1	90.6	90.5	90.9	91.9	91.3	90.4
Lumber and wood products	99.3	99.3	98.5	98.7	99.9	100.5	101.4	103.3	103.2	104.1	105.9	105.1	105.1
Furniture and fixtures	103.6	104.9	104.9	105.2	107.1	107.6	107.3	106.3	106.5	108.4	108.4	108.7	106.8
Stone, clay, and glass products	89.2	88.8	88.2	87.9	88.1	88.3	87.3	86.7	87.7	89.7	90.9	89.5	88.6
Primary metal industries	64.7	64.8	62.7	61.8	61.9	61.8	62.2	62.6	62.9	61.9	63.1	63.8	63.5
Blast furnaces and basic steel products	51.8	52.6	51.6	51.7	49.0	48.4	49.7	49.3	49.5	47.9	48.9	50.7	53.2
Fabricated metal products	90.1	89.4	88.9	88.1	88.5	89.4	88.6	89.0	88.8	89.4	89.8	89.1	88.4
Machinery, except electrical	89.4	88.9	88.3	87.0	87.5	85.8	85.3	85.1	84.6	85.6	86.6	86.4	86.6
Electrical and electronic equipment	103.0	102.8	100.6	102.7	103.2	102.9	102.3	102.9	102.9	102.5	103.0	101.4	100.8
Transportation equipment	95.6	94.2	94.9	93.9	95.9	95.9	94.9	96.3	95.6	95.5	97.5	96.8	93.9
Motor vehicles and equipment	85.3	83.4	84.5	82.5	84.8	84.4	82.1	84.6	84.1	85.1	87.5	86.0	82.3
Instruments and related products	106.1	104.5	104.5	103.5	104.5	103.5	104.2	103.9	104.5	103.4	104.4	104.2	103.2
Miscellaneous manufacturing	81.6	81.2	81.7	80.1	80.1	79.9	79.9	81.3	82.5	83.0	83.3	82.6	81.2
Nondurable goods	95.8	95.7	95.6	95.7	96.1	96.0	96.3	97.2	97.6	97.7	98.5	98.0	97.1
Food and kindred products	99.1	99.5	99.9	99.8	100.1	98.9	99.0	100.6	100.1	100.6	101.3	101.2	101.0
Tobacco manufactures	81.6	82.1	79.5	81.5	72.2	76.6	77.5	78.9	78.4	79.1	79.1	82.0	76.7
Textile mill products	78.4	78.4	77.9	78.5	79.6	79.6	79.9	80.7	81.7	81.7	83.6	83.7	81.9
Apparel and other textile products	86.6	85.2	84.8	85.3	85.0	85.6	85.9	86.4	87.6	87.1	88.2	86.6	84.8
Paper and allied products	101.0	101.7	101.7	101.5	101.6	101.2	102.0	102.7	103.7	103.4	103.6	102.4	101.4
Printing and publishing	127.8	127.8	127.6	128.7	128.6	128.9	129.7	130.2	130.8	131.1	131.6	130.6	131.5
Chemicals and allied products	93.2	92.9	93.2	93.2	94.0	93.4	93.7	94.6	93.4	93.9	93.9	93.7	93.9
Petroleum and coal products	80.1	79.7	80.8	79.1	81.3	78.9	79.4	79.6	79.3	81.8	80.7	80.7	80.8
Rubber and misc. plastics products	111.8	111.8	111.7	110.5	112.6	113.4	113.5	114.8	115.2	115.3	116.3	116.1	114.4
Leather and leather products	58.5	57.5	56.8	56.4	56.9	56.6	56.8	57.5	58.9	59.2	60.2	60.5	57.2
Service-producing	127.9	128.2	128.0	128.9	129.2	129.2	129.7	130.7	130.1	130.7	132.2	131.9	132.3
Transportation and public utilities	106.8	106.8	104.3	106.7	105.7	106.6	107.3	108.6	108.2	108.7	109.9	110.1	109.4
Wholesale trade	120.6	120.2	119.0	119.8	120.2	119.3	119.8	119.5	119.2	119.6	120.3	119.8	119.9
Retail trade	118.1	118.5	118.4	119.1	119.3	119.6	119.7	120.8	119.2	120.1	122.6	122.0	123.1
Finance, insurance, and real estate	135.4	135.8	137.6	137.8	139.1	138.7	139.7	141.1	140.7	141.3	141.8	141.9	142.7
Services	144.2	144.8	145.2	145.9	146.4	146.0	146.8	147.9	148.2	148.4	149.7	149.5	149.7

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

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 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 workers ¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1986									1987			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^p	Apr. ^p
Hourly Earnings Index ² (1977=100)													
Total private (in current dollars)	168.4	168.7	169.2	168.9	169.3	169.6	170.0	170.8	170.6	170.7	171.4	171.8	172.2
Mining	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)
Construction	150.6	151.0	151.4	150.8	151.3	151.2	152.6	154.0	153.9	151.7	151.1	153.2	153.5
Manufacturing	172.0	172.5	172.5	172.7	172.9	172.8	173.1	173.2	173.5	173.4	173.9	173.9	175.0
Transportation and public utilities	169.3	170.1	170.7	170.3	170.1	170.8	170.9	171.2	171.2	171.5	172.3	172.9	173.6
Wholesale trade	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)
Retail trade	157.3	157.2	157.8	157.7	158.5	159.1	159.1	159.3	159.3	158.4	158.5	158.8	159.0
Finance, insurance, and real estate	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)
Services	173.1	173.4	174.3	173.4	174.3	174.4	175.3	176.6	175.8	176.9	178.4	179.0	178.8
Total private (in constant dollars) ⁴	95.3	95.3	95.2	95.0	95.1	94.9	95.0	95.3	95.0	94.4	94.4	94.2	(^q)
Average hourly earnings													
Total private	\$8.72	\$8.73	\$8.74	\$8.73	\$8.77	\$8.76	\$8.80	\$8.84	\$8.82	\$8.84	\$8.86	\$8.90	\$8.88
Mining	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)
Construction	\$12.34	\$12.38	\$12.43	\$12.40	\$12.43	\$12.43	\$12.53	\$12.65	\$12.62	\$12.43	\$12.40	\$12.58	\$12.59
Manufacturing	9.68	9.72	9.71	9.73	9.76	9.74	9.77	9.78	9.78	9.78	9.81	9.82	9.85
Transportation and public utilities	11.58	11.62	11.63	11.62	11.62	11.64	11.67	11.68	11.65	11.69	11.76	11.79	11.83
Wholesale trade	9.27	9.29	9.35	9.31	9.37	9.35	9.39	9.47	9.43	9.42	9.53	9.56	9.53
Retail trade	5.99	5.99	6.00	6.00	6.03	6.05	6.05	6.07	6.07	6.03	6.01	6.04	6.04
Finance, insurance, and real estate	8.28	8.31	8.40	8.33	8.41	8.37	8.41	8.56	8.44	8.54	8.63	8.65	8.62
Services	8.11	8.12	8.17	8.12	8.16	8.17	8.21	8.28	8.24	8.29	8.35	8.38	8.37
Average weekly earnings													
Total private:													
In current dollars	303.46	303.80	303.28	302.93	305.20	303.97	305.36	307.63	305.17	307.63	310.10	309.72	308.14
In constant (1977) dollars ⁴	171.83	171.54	170.57	170.38	171.46	170.20	170.69	171.57	170.01	170.15	170.01	169.90	(^q)

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Alabama	40.4	41.0	40.6	\$8.67	\$8.67	\$8.70	\$350.27	\$355.47	\$353.22
Birmingham	41.4	41.1	40.6	8.93	8.81	8.82	369.70	362.09	358.09
Mobile	40.4	42.0	41.6	10.26	10.11	10.12	414.50	424.62	420.99
Alaska	42.9	39.6	43.6	12.07	11.83	11.50	517.80	468.47	501.40
Arizona	40.7	40.6	40.5	9.65	10.02	9.96	392.76	406.81	403.38
Arkansas	40.0	40.3	40.6	7.70	7.85	7.86	308.00	316.36	319.12
Fayetteville-Springdale	40.5	40.8	40.4	6.69	6.88	7.14	270.95	280.70	288.46
Fort Smith	39.6	39.9	40.7	8.16	8.21	8.19	323.14	327.58	333.33
Little Rock-North Little Rock	40.7	40.2	40.4	8.33	8.28	8.35	339.03	332.86	337.34
Pine Bluff	41.3	42.6	41.7	9.57	10.56	10.48	395.24	449.86	437.02
California	40.4	40.1	40.4	10.25	10.70	10.71	414.10	429.07	432.68
Colorado	39.8	40.5	41.2	9.78	9.92	9.81	389.24	401.76	404.17
Denver	40.1	40.5	40.4	10.67	10.82	10.72	427.87	438.21	433.09
Connecticut	42.1	42.0	42.0	9.97	10.26	10.29	419.74	430.92	432.18
Bridgeport-Milford	41.2	42.0	41.9	10.27	10.76	10.87	423.12	451.92	455.45
Hartford	42.0	42.3	42.5	10.25	10.58	10.64	430.50	447.53	452.20
New Britain	41.8	43.0	43.2	10.25	10.65	10.67	428.45	457.95	460.94
New Haven-Meriden	41.6	41.5	40.9	9.51	9.98	9.88	395.62	414.17	404.09
Stamford	41.2	40.6	40.3	10.39	11.18	11.17	428.07	453.91	450.15
Waterbury	43.6	42.5	43.2	8.37	8.93	9.02	364.93	379.53	369.66
Delaware	42.0	40.9	42.3	10.11	10.57	10.81	424.62	432.31	457.26
Wilmington	42.0	41.5	43.6	11.71	12.52	12.69	491.82	519.58	553.28
District of Columbia:									
Washington MSA	38.7	39.0	39.0	10.20	9.46	9.50	394.74	368.94	370.50
Florida	40.6	40.5	40.5	7.97	8.11	8.10	323.58	328.46	328.05
Fort Lauderdale-Hollywood-Pompano Beach	40.8	42.5	42.6	7.72	7.95	8.01	314.98	337.88	341.23
Jacksonville	40.5	40.7	41.6	8.22	8.94	8.96	332.91	363.86	372.74
Lakeland-Winter Haven	38.5	40.6	41.1	7.51	7.91	7.80	289.14	321.15	320.58
Miami-Hialeah	38.9	39.1	39.3	6.86	7.05	7.00	266.85	275.66	275.10
Oriando	41.3	41.2	40.5	8.27	8.35	8.46	341.55	344.02	342.63
Pensacola	41.8	42.2	41.1	9.83	10.01	10.09	410.89	422.42	414.70
Tampa-St. Petersburg-Clearwater	40.7	40.3	40.0	7.53	7.64	7.67	306.47	307.89	306.80
West Palm Beach-Boca Raton-Delray Beach	42.4	43.7	42.8	8.49	9.08	9.00	359.98	396.80	385.20
Georgia	40.5	41.2	41.0	8.32	8.38	8.40	336.96	345.26	344.40
Atlanta	40.5	40.5	40.0	10.19	10.27	10.27	412.70	415.94	410.80
Savannah	43.7	43.8	40.8	10.46	10.65	10.36	457.10	466.47	422.69
Hawaii	39.7	39.3	39.2	8.87	9.16	9.14	352.14	359.99	358.29
Honolulu	39.7	39.5	39.5	9.04	9.35	9.31	358.89	369.33	367.75
Idaho	37.6	38.0	37.7	9.31	9.60	9.43	350.06	364.80	355.51
Illinois	40.9	41.5	41.3	10.60	10.81	10.84	433.54	448.62	447.69
Aurora-Elgin	38.5	41.7	41.8	9.89	10.24	10.22	380.77	427.01	427.20
Bloomington-Normal	41.3	40.4	39.3	10.85	10.59	10.44	448.11	427.84	410.29
Champaign-Urbana-Rantoul	39.8	39.8	39.8	9.19	9.36	9.13	365.76	372.53	363.37
Chicago	41.9	41.9	41.8	10.36	10.58	10.60	434.08	443.30	443.08
Davenport-Rock Island-Moline	39.9	39.7	39.4	12.47	12.77	12.66	497.55	506.97	498.80
Decatur	41.5	40.3	41.2	13.39	13.83	13.89	555.69	557.35	572.27
Joliet	40.4	41.2	41.2	11.37	11.58	11.61	459.35	477.10	478.33
Kankakee	40.2	41.6	39.3	10.00	9.91	9.94	402.00	412.26	390.64
Lake County	41.8	39.7	39.3	10.44	10.76	10.66	436.39	427.17	418.94
Peoria	43.7	42.3	42.1	12.95	12.91	12.84	565.92	546.09	540.56
Rockford	43.1	42.4	41.5	11.24	11.04	10.59	484.44	468.10	439.49
Springfield	41.1	40.0	41.6	11.46	11.50	11.53	471.01	460.00	479.65

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Indiana	41.5	41.5	41.6	\$10.88	\$10.99	\$11.04	\$451.52	\$456.09	\$459.26
Iowa	40.3	40.6	40.8	10.48	10.55	10.53	422.34	428.33	429.62
Cedar Rapids	39.5	38.4	40.5	11.24	11.48	11.42	443.98	440.83	462.51
Des Moines	41.2	42.3	41.4	11.83	11.63	11.72	487.40	491.95	485.21
Dubuque	39.7	42.2	41.5	11.70	12.64	12.65	464.49	533.41	524.98
Sioux City	37.5	38.5	37.9	8.91	8.95	9.12	334.13	344.58	345.65
Kansas	39.8	40.7	41.1	9.57	10.10	10.14	380.89	411.07	416.75
Topeka	41.0	41.4	42.5	11.15	10.94	10.91	457.15	452.92	463.68
Wichita	38.4	39.1	40.2	9.86	10.96	11.05	378.62	428.54	444.21
Kentucky	39.2	39.9	39.7	9.73	9.91	9.93	381.42	395.41	394.22
Lexington-Fayette	37.7	37.3	37.9	10.43	10.64	10.49	393.21	396.87	397.57
Louisville	40.8	40.7	41.1	10.81	11.17	11.21	441.05	454.62	460.73
Louisiana	41.7	42.1	42.1	10.66	10.79	10.83	444.52	454.26	455.94
Baton Rouge	42.7	40.4	41.4	12.37	12.31	12.39	528.20	497.32	512.95
New Orleans	40.1	41.5	41.2	10.67	10.65	10.62	427.87	441.98	437.54
Shreveport	41.1	40.8	39.5	11.40	11.43	11.55	468.54	466.34	456.23
Maine	40.1	41.2	41.7	8.58	8.72	8.71	344.06	359.26	363.21
Lewiston-Auburn	38.0	40.3	40.1	6.97	7.39	7.27	264.86	297.82	291.53
Portland	38.4	38.4	39.9	9.20	9.41	9.19	353.28	361.34	366.68
Maryland	40.7	40.4	40.7	10.11	9.99	10.02	411.48	403.60	407.81
Baltimore MSA	41.4	41.2	41.7	10.62	10.68	10.73	439.67	440.02	447.44
Massachusetts	41.2	40.5	40.9	9.10	9.56	9.59	374.92	387.18	392.23
Boston	40.6	40.3	40.5	9.98	10.42	10.42	405.19	419.93	422.01
Springfield	42.4	42.1	42.2	8.98	9.02	9.10	380.75	379.74	384.02
Worcester	39.8	40.7	41.0	9.35	9.54	9.55	372.13	388.28	391.55
Michigan	43.3	42.9	42.8	12.91	12.92	12.93	559.00	554.27	553.40
Ann Arbor	43.7	45.9	45.2	13.76	14.21	14.10	601.31	652.24	637.32
Battle Creek	42.4	43.6	45.1	13.33	13.88	13.58	565.19	605.17	612.46
Detroit	44.3	44.4	44.2	13.88	13.77	13.79	614.88	611.39	609.52
Flint	46.2	43.6	44.4	14.55	14.84	14.85	672.21	647.02	659.34
Grand Rapids	41.0	40.5	40.4	10.52	10.96	11.00	431.32	443.88	444.40
Jackson	42.1	42.6	41.9	10.37	10.01	10.20	436.58	426.43	427.38
Kalamazoo	43.7	44.0	43.1	11.92	12.04	12.05	520.90	529.76	519.35
Lansing-East Lansing	43.1	42.8	43.1	14.58	14.27	14.23	628.40	610.76	613.31
Muskegon	41.0	41.0	40.9	11.38	11.51	11.54	466.58	471.91	471.99
Saginaw-Bay City-Midland	43.5	42.9	43.2	14.46	14.30	14.51	629.01	613.47	626.83
Minnesota	40.5	40.5	40.6	10.25	10.40	10.50	415.13	421.20	426.30
Duluth	37.8	37.3	36.8	10.67	10.79	10.74	403.33	402.47	395.23
Minneapolis-St. Paul	40.9	40.5	40.7	11.00	11.14	11.19	449.90	451.17	455.43
St. Cloud	40.9	38.8	39.0	9.48	8.92	8.95	387.73	346.10	349.05
Mississippi	40.4	40.1	40.0	7.43	7.55	7.59	300.17	302.76	303.60
Jackson	40.3	40.3	40.1	8.26	8.53	8.54	332.88	343.76	342.45
Missouri	40.4	40.1	40.2	9.90	9.86	9.88	399.96	395.39	397.18
Kansas City	40.0	39.2	39.7	11.16	11.43	11.42	446.40	448.06	453.37
St. Joseph	38.7	40.1	37.8	9.13	10.00	9.48	353.33	401.00	358.34
St. Louis	40.9	41.9	40.6	11.38	11.44	11.42	465.44	479.34	463.65
Springfield	40.1	39.2	39.7	9.09	8.79	8.78	364.51	344.57	348.57
Montana	40.3	38.0	37.4	10.94	10.54	10.73	440.88	400.52	401.30
Nebraska	39.4	40.0	40.1	9.31	9.31	9.36	366.81	372.40	375.34
Lincoln	38.9	41.4	41.1	9.69	9.74	9.72	376.94	403.24	399.49
Omaha	40.3	39.8	40.3	9.77	9.92	9.96	393.73	394.82	401.39
Nevada	39.8	39.9	40.9	9.12	9.63	9.62	362.98	384.24	393.46
Las Vegas	39.0	40.0	40.4	11.19	12.01	11.73	436.41	480.40	473.89

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
New Hampshire	40.9	41.5	41.4	\$8.73	\$9.06	\$9.10	\$357.06	\$375.99	\$376.74
Nashua	41.7	42.2	43.0	10.43	11.25	11.24	434.93	474.75	483.32
New Jersey	41.3	41.2	41.4	10.06	10.33	10.32	415.48	425.60	427.25
New Mexico	39.5	39.2	40.4	8.79	8.67	8.55	347.21	339.86	345.42
Albuquerque	39.6	39.9	40.8	8.64	9.20	9.06	342.14	367.08	369.65
New York	39.9	39.9	40.1	9.93	10.09	10.03	396.21	402.59	402.20
Albany-Schenectady-Troy	41.1	40.3	40.2	10.09	10.62	10.50	414.70	427.99	422.10
Binghamton	39.8	40.0	40.6	8.93	9.18	8.95	355.41	367.20	363.37
Buffalo	42.6	42.4	42.2	12.38	12.09	12.14	527.39	512.62	512.31
Elmira	41.5	40.2	41.0	9.43	9.57	9.71	391.35	384.71	398.11
Glens Falls	40.9	(¹)	(¹)	9.55	(¹)	(¹)	390.60	(¹)	(¹)
Nassau-Suffolk	40.6	40.3	40.6	9.92	10.52	10.35	402.75	423.96	420.21
New York PMSA	37.5	37.7	37.6	9.15	9.40	9.36	343.13	354.38	351.94
New York City	37.1	37.4	37.4	8.92	9.23	9.21	330.93	345.20	344.45
Niagara Falls	42.1	41.3	41.5	12.73	12.94	12.98	535.93	534.42	538.67
Orange County	38.4	39.2	39.4	7.64	7.86	7.88	293.38	308.11	310.47
Poughkeepsie	43.4	42.7	42.0	8.81	9.13	9.21	382.35	389.85	386.82
Rochester	42.1	41.6	41.9	12.10	11.92	11.96	509.41	495.87	501.12
Rockland County	40.4	41.1	39.6	9.71	10.12	10.06	392.28	415.93	398.38
Syracuse	40.4	40.9	42.0	10.95	11.17	11.06	442.38	456.85	464.52
Utica-Rome	41.0	41.7	42.1	9.21	9.61	9.64	377.61	400.74	405.84
Westchester County	39.7	38.9	39.3	10.72	10.60	10.36	425.58	412.34	407.15
North Carolina	40.4	40.7	41.4	7.48	7.74	7.75	302.19	315.02	320.85
Asheville	40.6	40.0	41.0	7.54	7.76	7.79	306.12	310.40	319.39
Charlotte-Gastonia-Rock Hill	41.0	41.9	42.4	7.65	7.99	7.98	313.65	334.78	338.35
Greensboro-Winston-Salem-High Point	40.0	40.5	41.4	8.19	8.57	8.55	327.60	347.09	353.97
Raleigh-Durham	41.1	40.6	41.6	8.50	8.73	8.78	349.35	354.44	365.25
North Dakota	37.8	38.5	38.7	8.07	8.39	8.39	305.05	323.02	324.69
Fargo-Moorhead	37.4	36.2	36.4	8.33	8.36	8.28	311.54	302.63	301.39
Ohio	42.2	42.4	42.6	11.57	11.77	11.76	488.25	499.05	500.98
Akron	43.5	42.5	43.1	11.17	11.46	11.53	485.90	487.05	496.94
Canton	40.1	42.0	42.1	11.15	11.35	11.40	447.12	476.70	479.94
Cincinnati	41.8	42.4	42.4	10.75	11.02	10.86	449.35	467.25	460.46
Cleveland	42.4	42.3	43.0	11.50	11.67	11.66	487.60	493.64	501.38
Columbus	41.3	40.9	41.7	11.15	11.34	11.46	460.50	463.81	477.88
Dayton-Springfield	43.4	42.2	41.7	12.13	11.98	11.89	526.44	505.56	495.81
Toledo	42.7	43.2	43.0	12.41	12.68	12.71	529.91	547.78	546.53
Youngstown-Warren	41.2	43.1	43.3	13.34	13.46	13.48	549.61	580.13	583.68
Oklahoma	41.2	41.4	41.5	9.94	9.78	9.84	409.53	404.89	408.36
Oklahoma City	40.6	40.5	40.3	10.96	10.97	11.04	444.98	444.29	444.91
Tulsa	40.0	40.1	40.3	10.46	10.52	10.61	418.40	421.85	427.58
Oregon	39.3	39.4	39.0	10.64	10.57	10.54	418.15	416.46	411.06
Eugene-Springfield	40.9	41.2	40.8	11.00	10.48	10.53	449.90	431.78	429.62
Portland	39.2	38.5	38.6	10.77	10.96	10.86	422.18	421.96	419.20
Salem	36.9	37.4	38.3	9.68	9.41	9.46	357.19	351.93	362.32

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Pennsylvania	40.1	40.5	40.6	\$9.70	\$9.85	\$9.86	\$388.97	\$398.93	\$400.32
Allentown-Bethlehem	38.3	39.0	38.7	10.08	10.20	10.13	386.06	397.80	392.03
Altoona	38.4	38.9	38.4	8.42	8.79	8.91	323.33	341.93	342.14
Beaver County	42.0	41.9	41.5	11.90	11.08	10.98	499.80	464.25	455.67
Erie	41.9	41.6	41.6	10.22	10.23	10.25	428.22	425.57	426.40
Harrisburg-Lebanon-Carlisle	39.2	40.1	39.2	9.25	9.37	9.37	362.60	375.74	367.30
Johnstown	37.2	38.3	38.8	8.36	8.34	8.34	310.99	319.42	323.59
Lancaster	40.5	40.3	40.1	9.47	9.66	9.62	383.54	389.30	385.76
Philadelphia PMSA	40.2	40.4	40.9	10.36	10.68	10.64	416.47	431.47	435.18
Pittsburgh	41.4	40.9	40.9	11.21	10.94	10.89	464.09	447.45	445.40
Reading	39.9	40.8	40.6	9.87	9.89	9.97	393.81	403.51	404.78
Scranton-Wilkes-Barre	38.8	38.4	38.7	8.40	8.63	8.64	325.92	331.39	334.37
Sharon	39.7	40.3	40.4	11.29	11.22	11.32	448.21	452.17	457.33
State College	39.2	39.2	39.7	8.02	8.26	8.22	314.38	323.79	326.33
Williamsport	39.8	40.4	40.3	8.68	8.57	8.54	345.46	346.23	344.16
York	42.3	42.3	42.2	9.11	9.32	9.28	385.35	394.24	391.62
Rhode Island	40.6	40.6	40.8	7.80	8.15	8.17	316.68	330.89	333.34
Pawtucket-Woonsocket-Attleboro	40.7	40.8	40.9	7.35	7.63	7.64	299.15	311.30	312.48
Providence	39.9	40.2	40.3	7.81	8.08	8.11	311.62	324.82	326.83
South Carolina	41.0	41.6	41.6	7.85	8.05	8.05	321.85	334.88	334.88
Charleston	41.8	42.7	41.9	9.14	9.17	9.09	382.05	391.56	380.87
Columbia	40.5	41.2	41.0	7.63	7.81	7.86	309.02	321.77	322.26
Greenville-Spartanburg	41.3	41.8	41.9	7.68	7.96	7.97	317.18	332.73	333.94
South Dakota	42.0	42.0	42.2	7.61	7.98	8.00	319.62	335.16	337.60
Sioux Falls	44.8	43.4	45.7	7.85	8.11	8.25	351.68	351.97	377.03
Tennessee	41.2	41.5	41.2	8.47	8.81	8.78	348.96	365.62	361.74
Chattanooga	41.9	42.2	41.8	7.43	7.90	7.88	311.32	333.38	329.38
Johnson City-Kingsport-Bristol	43.2	43.3	42.8	9.04	8.95	8.99	390.53	387.54	384.77
Knoxville	38.9	39.6	38.9	8.97	8.95	8.88	348.93	354.42	345.43
Memphis	43.9	41.6	41.5	8.70	8.89	8.88	381.93	369.82	368.52
Nashville	39.2	40.6	40.6	9.27	9.91	10.07	363.38	402.35	408.84
Texas	41.5	41.1	41.2	9.61	9.76	9.84	398.82	401.14	405.41
Dallas	42.1	41.6	42.0	9.41	9.51	9.56	396.16	395.62	401.52
Ft. Worth-Arlington	41.8	42.4	41.4	9.55	9.93	9.94	399.19	421.03	411.52
Houston	41.9	43.2	43.0	11.18	11.13	11.21	468.44	480.82	482.03
San Antonio	41.8	41.4	41.5	7.28	7.46	7.51	304.30	308.84	311.67
Utah	40.2	38.9	39.2	10.13	9.90	9.77	407.23	385.11	382.98
Salt Lake City-Ogden	40.2	39.5	40.2	9.75	9.86	9.83	391.95	389.47	395.17
Vermont	40.4	40.5	40.5	8.77	8.92	8.92	354.31	361.26	361.26
Burlington	40.7	41.4	42.2	9.75	9.90	9.98	396.83	409.86	421.16
Virginia	40.3	40.3	40.6	8.72	9.07	9.13	351.42	365.52	370.68
Bristol	39.8	41.8	41.8	7.39	7.67	7.77	294.12	320.61	324.79
Charlottesville	39.2	41.3	39.4	7.41	7.49	7.55	290.47	309.34	297.47
Danville	40.0	42.5	42.6	8.23	8.18	8.15	329.20	347.65	347.19
Lynchburg	40.3	41.2	42.2	8.42	8.57	8.59	339.33	353.08	362.50
Northern Virginia	41.1	39.9	39.9	9.01	9.73	9.77	370.31	388.23	389.82
Richmond-Petersburg	40.8	40.5	40.8	11.05	11.44	11.36	450.84	463.32	463.49
Roanoke	40.1	41.6	42.3	8.21	8.55	8.86	329.22	355.68	374.78

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Washington	40.0	40.3	40.2	\$11.83	\$11.70	\$11.73	\$473.20	\$471.51	\$471.55
West Virginia	40.4	40.4	40.4	10.26	10.42	10.48	414.50	420.97	423.39
Charleston	42.6	41.4	42.1	12.34	12.96	12.93	525.68	536.54	544.35
Huntington—Ashland	40.0	40.2	39.5	11.61	11.55	11.91	464.40	464.31	470.45
Parkersburg—Marietta	42.5	40.6	41.6	12.03	11.99	11.90	511.28	486.79	495.04
Wheeling	39.6	39.6	40.3	11.33	11.07	10.61	448.67	438.37	427.58
Wisconsin	41.2	41.0	41.2	10.45	10.58	10.59	430.54	433.78	436.31
Appleton—Oshkosh	42.7	42.4	42.5	10.31	10.72	10.77	440.24	454.53	457.73
Eau Claire	39.7	39.3	40.0	10.36	10.55	10.61	411.29	414.62	424.40
Green Bay	42.1	41.4	40.5	11.43	11.43	11.39	481.20	473.20	461.30
Janesville—Beloit	41.7	39.2	39.3	12.56	12.39	12.40	523.75	485.69	487.32
Kenosha	40.2	37.9	40.5	11.22	11.68	12.10	451.04	442.67	490.05
La Crosse	40.3	40.0	39.4	9.23	9.19	9.20	371.97	367.60	362.48
Madison	40.9	40.1	40.6	9.94	9.89	9.92	406.55	396.59	402.75
Milwaukee	40.9	41.3	41.6	11.66	11.80	11.77	476.89	487.34	489.63
Racine	39.3	40.6	40.0	10.97	10.96	11.03	431.12	444.98	441.20
Sheboygan	39.5	41.6	41.4	9.68	9.79	9.75	382.36	407.26	403.65
Wausau	40.1	41.4	41.6	9.83	9.85	9.84	394.18	407.79	409.34
Wyoming	38.6	38.5	38.8	9.61	9.77	9.65	370.95	376.15	374.42
Puerto Rico	39.1	39.2	39.7	5.27	5.38	5.40	206.06	210.90	214.38
Virgin Islands	41.0	42.3	(¹)	10.03	9.78	(¹)	411.23	413.69	(¹)

¹ Not available.

^P = preliminary.

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

publication. All State and area data have been adjusted to March 1986 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		
	Feb. 1987 ^r	Mar. 1987 ^r	Apr. 1987 ^p	Apr. 1986 to Apr. 1987 ^p	Feb. 1987 to Mar. 1987 ^r	Mar. 1987 to Apr. 1987 ^p
Total	190,916	190,204	188,942	1.7	-0.4	-0.7
Private sector	156,914	156,278	156,257	2.4	-4	.0
Mining	1,629	1,618	1,621	-10.3	-7	.2
Construction	10,179	9,998	9,975	1.9	-1.8	-2
Manufacturing	41,061	40,820	40,435	-4	-6	-9
Durable goods	24,454	24,266	24,052	-1.3	-8	-9
Nondurable goods	16,607	16,554	16,383	1.0	-3	-1.0
Transportation and public utilities	11,072	11,057	11,021	2.5	-1	-3
Wholesale trade	11,777	11,694	11,713	-2	-7	.2
Retail trade	28,217	28,097	28,351	4.5	-4	.9
Finance, insurance, and real estate	12,381	12,383	12,480	5.6	.0	.8
Services	40,599	40,613	40,661	4.2	.0	.1
Government	34,001	33,926	32,685	-1.5	-2	-3.7

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

^p = preliminary.

^r = revised.

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

nonsupervisory workers, and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods*, BLS Bulletin 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										
	1985	1986'	1984		1985				1986				1987
			III	IV	I	II	III	IV	I	II	III	IV'		P
Business sector													
Output per hour of all persons	106.4	107.1	105.5	105.5	105.7	106.4	107.3	106.4	107.3	107.4	107.3	106.8	107.2
Output	122.7	125.9	119.5	120.2	121.3	122.3	123.5	123.8	125.3	125.4	126.0	126.8	128.3
Hours	115.3	117.5	113.3	114.0	114.8	115.0	115.2	116.4	116.8	116.7	117.4	118.7	119.7
Compensation per hour	175.3	180.9	169.0	170.6	172.3	174.5	176.4	178.0	179.1	180.4	181.7	182.6	182.8
Real compensation per hour	98.8	100.0	98.1	98.2	98.4	98.6	99.0	99.0	99.2	100.2	100.4	100.2	99.0
Unit labor costs	164.8	168.8	160.2	161.7	163.1	164.0	164.4	167.3	167.0	168.0	169.3	171.0	170.4
Unit nonlabor payments	159.7	161.8	157.0	157.7	158.3	160.0	161.4	159.6	162.2	161.9	163.4	159.7	164.3
Implicit price deflator	163.0	166.3	159.0	160.3	161.4	162.6	163.4	164.6	165.3	165.8	167.2	167.0	168.2
Nonfarm business sector													
Output per hour of all persons	104.8	105.5	104.4	104.3	104.4	104.9	105.4	104.5	105.6	105.7	105.7	105.3	105.7
Output	122.5	125.9	119.5	120.2	121.1	122.1	123.3	123.6	125.1	125.3	126.1	127.0	128.6
Hours	116.9	119.3	114.5	115.2	116.0	116.4	116.9	118.2	118.5	118.5	119.4	120.6	121.7
Compensation per hour	174.6	179.8	168.7	170.4	172.1	174.0	175.4	177.0	178.3	179.3	180.4	181.6	181.6
Real compensation per hour	98.4	99.4	97.9	98.1	98.3	98.3	98.5	98.4	98.8	99.7	99.6	99.6	98.4
Unit labor costs	166.7	170.4	161.5	163.3	164.8	165.9	166.3	169.3	168.8	169.6	170.7	172.5	171.8
Unit nonlabor payments	160.6	163.9	157.2	157.9	158.9	160.8	163.0	160.3	163.9	163.7	165.9	162.2	167.2
Implicit price deflator	164.6	168.1	160.0	161.4	162.7	164.1	165.2	166.2	167.1	167.5	169.0	168.9	170.2
Manufacturing													
Output per hour of all persons	121.7	125.0	117.8	118.2	119.3	121.7	123.0	122.9	123.7	124.7	125.8	125.8	126.2
Output	120.4	123.4	117.4	117.9	118.8	119.9	121.2	121.9	122.8	122.7	123.6	124.6	125.4
Hours	98.9	98.7	99.7	99.7	99.6	98.5	98.5	99.1	99.3	98.4	98.2	99.0	99.4
Compensation per hour	176.7	181.9	169.1	171.5	173.8	175.6	178.1	179.3	180.2	181.4	182.5	183.5	183.0
Real compensation per hour	99.5	100.5	98.1	98.7	99.2	99.2	100.0	99.7	99.8	100.8	100.8	100.7	99.2
Unit labor costs	145.1	145.5	143.5	145.1	145.7	144.3	144.8	145.8	145.7	145.5	145.1	145.9	145.0
Durable goods													
Output per hour of all persons	124.6	127.9	118.3	119.1	121.4	124.4	126.3	126.4	127.1	127.4	128.6	128.7	129.2
Output	124.7	126.5	119.1	120.5	122.6	124.1	125.6	126.4	126.9	125.7	126.2	127.2	127.9
Hours	100.1	98.9	100.7	101.2	100.9	99.8	99.5	100.0	99.9	98.7	98.2	98.8	99.0
Compensation per hour	174.9	180.7	167.2	169.4	172.0	173.2	176.5	178.0	178.9	180.2	181.3	182.6	181.6
Real compensation per hour	98.5	99.9	97.1	97.5	98.2	97.8	99.1	99.0	99.1	100.1	100.1	100.2	98.4
Unit labor costs	140.3	141.3	141.4	142.3	141.6	139.2	139.8	140.8	140.8	141.4	141.0	141.9	140.6
Nondurable goods													
Output per hour of all persons	117.3	120.6	117.0	116.8	116.0	117.5	118.0	117.6	118.6	120.7	121.7	121.4	121.8
Output	114.1	118.8	114.8	114.0	113.2	113.6	114.5	115.1	116.7	118.2	119.6	120.6	121.7
Hours	97.3	98.5	98.1	97.6	97.6	96.7	97.0	97.9	98.3	97.9	98.2	99.3	99.9
Compensation per hour	179.4	183.8	171.9	174.6	176.5	179.4	180.4	181.3	182.2	183.5	184.8	185.1	185.8
Real compensation per hour	101.0	101.6	99.8	100.5	100.8	101.3	101.3	100.8	100.9	102.0	102.1	101.6	100.6
Unit labor costs	152.9	152.5	146.9	149.4	152.1	152.7	152.8	154.1	153.6	152.1	151.8	152.4	152.5
Nonfinancial corporations													
Output per all-employee hour	106.8	106.9	105.5	105.8	106.0	106.5	107.8	107.0	106.9	106.8	106.9	107.2	(¹)
Output	124.8	127.2	120.9	122.1	123.1	124.2	126.0	126.1	126.9	126.6	127.0	128.3	(¹)
Hours	116.9	119.0	114.6	115.5	116.1	116.6	116.8	117.8	118.7	118.5	118.8	119.6	(¹)
Compensation per hour	172.3	176.5	166.6	168.3	169.9	171.6	173.1	174.5	175.4	176.1	176.8	177.8	(¹)
Real compensation per hour	97.0	97.5	96.7	96.9	97.0	96.9	97.2	97.0	97.1	97.8	97.7	97.6	(¹)
Total unit costs	165.8	169.1	162.6	163.8	164.9	165.8	165.0	167.2	168.3	168.6	169.8	169.6	(¹)
Unit labor costs	161.2	165.0	157.9	159.1	160.3	161.1	160.5	163.0	164.0	164.8	165.4	165.8	(¹)
Unit nonlabor costs	179.1	181.2	176.4	177.5	178.5	179.8	178.3	179.8	181.1	179.9	182.6	180.9	(¹)
Unit profits	133.1	134.1	130.3	130.5	129.3	130.2	141.7	131.2	131.7	132.3	135.8	136.8	(¹)
Implicit price deflator	161.8	164.9	158.7	159.8	160.6	161.6	162.2	162.9	164.0	164.3	165.7	165.7	(¹)

¹ Not available.
' = preliminary.

¹ = revised.
SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

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

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	IV 1985	I 1986	II 1986	III 1986	IV 1986 ¹	I 1987 ²	IV 1985	I 1986	II 1986	III 1986	IV 1986 ¹	I 1987 ²
Business sector												
Output per hour of all persons	-3.2	3.3	0.5	-0.4	-2.0	1.8	0.9	1.5	1.0	0.0	0.3	0.0
Output	1.0	4.7	.3	2.0	2.4	5.1	3.0	3.3	2.5	2.0	2.4	2.4
Hours	4.3	1.4	-2	2.4	4.6	3.2	2.1	1.8	1.6	2.0	2.0	2.5
Compensation per hour	3.8	2.5	2.8	2.9	2.0	.4	4.4	3.9	3.4	3.0	2.6	2.0
Real compensation per hour	-1	.9	4.2	.4	-6	-4.6	.8	.8	1.7	1.3	1.2	-2
Unit labor costs	7.2	-7	2.3	3.3	4.2	-1.4	3.4	2.4	2.4	3.0	2.2	2.1
Unit nonlabor payments	-4.3	6.6	-7	3.7	-8.6	11.9	1.2	2.5	1.2	1.2	.1	1.3
Implicit price deflator	3.0	1.8	1.2	3.4	-4	3.0	2.7	2.4	2.0	2.4	1.5	1.8
Nonfarm business sector												
Output per hour of all persons	-3.5	4.3	.5	-3	-1.5	1.7	.2	1.2	.8	.2	.7	.1
Output	1.0	5.1	.6	2.6	2.7	5.4	2.8	3.3	2.7	2.3	2.8	2.8
Hours	4.6	.8	.1	2.9	4.3	3.6	2.6	2.1	1.8	2.1	2.0	2.7
Compensation per hour	3.7	3.1	2.3	2.3	2.7	.1	3.9	3.6	3.1	2.8	2.6	1.8
Real compensation per hour	-2	1.5	3.6	-1	.0	-4.9	.3	.5	1.4	1.2	1.2	-4
Unit labor costs	7.4	-1.2	1.8	2.6	4.2	-1.6	3.7	2.5	2.2	2.6	1.8	1.7
Unit nonlabor payments	-6.6	9.3	-6	5.5	-8.6	12.9	1.5	3.1	1.8	1.7	1.2	2.0
Implicit price deflator	2.4	2.3	1.0	3.6	-3	3.1	2.9	2.7	2.1	2.3	1.6	1.8
Manufacturing												
Output per hour of all persons	-3	2.6	3.2	3.6	-2	1.4	4.0	3.7	2.5	2.3	2.3	2.0
Output	2.4	3.0	-4	2.9	3.2	2.8	3.4	3.4	2.3	2.0	2.2	2.1
Hours	2.7	.4	-3.5	-6	3.4	1.3	-6	-3	-2	-3	-1	.1
Compensation per hour	2.8	2.1	2.7	2.4	2.1	-9	4.5	3.7	3.3	2.5	2.3	1.6
Real compensation per hour	-1.1	.5	4.1	.0	-6	-5.9	1.0	.6	1.6	.8	1.0	-7
Unit labor costs	3.0	-5	-5	-1.1	2.3	-2.3	.5	.0	.8	.2	.0	-4
Durable goods												
Output per hour of all persons .....	.5	2.1	1.0	3.7	.4	1.6	6.2	4.7	2.4	1.8	1.8	1.7
Output	2.7	1.5	-3.8	1.8	3.1	2.2	5.0	3.5	1.3	.5	.6	.8
Hours	2.2	-6	-4.8	-1.8	2.6	.6	-1.1	-1.1	-1.1	-1.3	-1.2	-9
Compensation per hour	3.3	2.2	2.8	2.5	3.0	-2.2	5.0	4.1	4.0	2.7	2.6	1.5
Real compensation per hour	-5	.6	4.1	.0	.3	-7.1	1.5	.9	2.4	1.0	1.2	-7
Unit labor costs	2.8	.1	1.7	-1.2	2.6	-3.7	-1.1	-6	1.6	.9	.8	-2
Nondurable goods												
Output per hour of all persons	-1.4	3.5	7.0	3.6	-1.1	1.2	.7	2.2	2.7	3.1	3.2	2.7
Output	1.9	5.6	5.3	4.8	3.5	3.7	1.0	3.1	4.0	4.4	4.8	4.3
Hours	3.4	2.0	-1.6	1.2	4.6	2.4	.3	.8	1.3	1.2	1.5	1.6
Compensation per hour	1.9	2.2	2.9	2.7	.7	1.5	3.8	3.3	2.3	2.4	2.1	1.9
Real compensation per hour	-1.9	.6	4.2	.3	-1.9	-3.6	.3	.2	.6	.8	.8	-3
Unit labor costs	3.4	-1.3	-3.9	-9	1.8	.2	3.1	1.0	-4	-7	-1.1	-7
Nonfinancial corporations												
Output per all-employee hour	-2.8	-5	-3	.2	1.4	(¹)	1.2	.9	.3	-9	.2	(¹)
Output .....	.5	2.6	-1.1	1.3	4.1	(¹)	3.3	3.2	2.0	.8	1.7	(¹)
Hours	3.4	3.1	-8	1.2	2.7	(¹)	2.1	2.2	1.7	1.7	1.5	(¹)
Compensation per hour	3.3	2.0	1.6	1.8	2.3	(¹)	3.7	3.2	2.6	2.2	1.9	(¹)
Real compensation per hour	-5	.4	2.9	-6	-3	(¹)	.2	.1	1.0	.5	.6	(¹)
Total unit costs	5.5	2.7	.6	2.8	-3	(¹)	2.1	2.1	1.7	2.9	1.4	(¹)
Unit labor costs	6.3	2.5	1.9	1.6	.9	(¹)	2.4	2.3	2.3	3.1	1.7	(¹)
Unit nonlabor costs	3.3	3.1	-2.7	6.1	-3.6	(¹)	1.3	1.5	.0	2.4	.7	(¹)
Unit profits	-26.4	1.3	2.0	11.0	2.8	(¹)	.6	1.8	1.6	-4.2	4.2	(¹)
Implicit price deflator	1.7	2.5	.7	3.6	.0	(¹)	2.0	2.1	1.7	2.1	1.7	(¹)

¹ Not available.
² = preliminary.

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

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Alabama	1,866.3	1,865.9	1,868.1	194.6	185.7	183.1	10.4	10.0	9.8
Birmingham	436.7	440.4	439.9	34.3	39.3	35.3	7.9	8.9	8.0
Huntsville	123.7	126.2	126.9	8.9	8.7	8.3	7.2	6.9	6.6
Mobile	209.3	209.5	209.6	22.9	23.2	22.4	11.0	11.1	10.7
Montgomery	131.7	134.1	133.9	9.4	10.1	9.7	7.1	7.6	7.3
Tuscaloosa	67.8	69.2	69.3	5.1	5.2	5.1	7.6	7.5	7.4
Alaska	250.1	242.5	246.6	30.4	29.0	30.0	12.2	12.0	12.1
Arizona	1,566.8	1,610.4	1,612.4	105.3	125.9	119.1	6.7	7.8	7.4
Phoenix	974.5	998.6	1,000.9	53.6	65.8	63.4	5.5	6.6	6.3
Tucson	306.4	310.2	310.5	17.0	20.8	19.0	5.5	6.7	6.1
Arkansas	1,060.4	1,064.6	1,068.2	97.9	98.9	97.2	9.2	9.3	9.1
Fayetteville-Springdale	54.1	54.4	54.7	2.5	2.3	2.4	4.6	4.3	4.4
Fort Smith	86.0	87.4	87.2	6.7	6.2	5.8	7.8	7.0	6.6
Little Rock-North Little Rock	248.2	253.8	252.8	15.7	19.0	19.2	6.3	7.5	7.6
Pine Bluff	36.7	36.8	36.3	3.0	3.9	3.8	8.2	10.6	10.6
California¹	13,256.5	13,563.0	13,623.9	947.6	908.6	859.8	7.1	6.7	6.3
Anaheim-Santa Ana	1,241.4	1,300.4	1,298.5	51.8	45.8	43.1	4.2	3.5	3.3
Bakersfield	224.3	223.9	223.7	31.1	29.0	29.3	13.8	13.0	13.1
Fresno	281.5	290.3	287.3	47.2	40.4	40.2	16.8	13.9	14.0
Los Angeles-Long Beach ¹	4,051.0	4,152.0	4,176.0	245.0	277.0	260.0	6.0	6.7	6.2
Modesto	143.4	148.7	146.6	24.6	22.7	21.7	17.1	15.3	14.8
Oakland	1,006.3	1,034.8	1,042.1	63.8	56.9	55.3	6.3	5.5	5.3
Oxnard-Ventura	319.4	330.4	332.5	23.5	20.3	18.6	7.4	6.1	5.6
Riverside-San Bernardino	849.5	878.9	893.8	54.9	51.4	48.8	6.5	5.8	5.5
Sacramento	637.6	654.4	660.8	46.1	43.1	39.9	7.2	6.6	6.0
Salinas-Seaside-Monterey	148.8	152.0	150.5	20.7	20.3	16.8	13.9	13.3	11.2
San Diego	1,007.6	1,035.7	1,045.2	52.1	49.1	47.4	5.2	4.7	4.5
San Francisco	871.2	868.3	875.4	41.2	36.3	34.5	4.7	4.2	3.9
San Jose	809.7	806.9	803.8	51.1	42.9	40.3	6.3	5.3	5.0
Santa Barbara-Santa Maria-Lompoc	178.1	179.2	178.9	10.4	10.0	9.5	5.8	5.6	5.3
Santa Rosa-Petaluma	177.3	180.2	181.6	12.4	10.8	10.0	7.0	6.0	5.5
Stockton	181.9	183.1	184.7	25.4	23.5	21.8	14.0	12.8	11.8
Vallejo-Fairfield-Napa	174.6	182.3	183.7	12.9	12.5	11.9	7.4	6.9	6.5
Colorado	1,690.7	1,703.7	1,709.0	128.3	163.9	167.5	7.6	9.6	9.8
Boulder-Longmont	128.4	130.9	131.0	7.8	9.4	9.5	6.1	7.2	7.3
Denver	894.0	905.8	905.5	57.6	78.6	80.0	6.4	8.7	8.8
Connecticut	1,711.0	1,716.1	1,723.7	73.9	68.9	65.7	4.3	4.0	3.8
Bridgeport-Milford	227.8	226.7	227.3	12.2	11.6	11.0	5.4	5.1	4.9
Hartford	410.0	417.7	418.7	15.4	14.9	14.6	3.8	3.6	3.5
New Britain	74.4	73.6	73.3	3.8	3.5	3.2	5.1	4.7	4.4
New Haven-Meriden	266.6	263.9	266.5	11.0	9.9	9.5	4.1	3.7	3.6
Stamford	113.3	115.4	115.9	3.5	3.1	3.1	3.1	2.7	2.7
Waterbury	101.5	100.9	101.2	6.6	5.8	5.5	6.5	5.8	5.5
Delaware	313.7	325.0	328.8	16.3	11.6	10.4	5.2	3.6	3.2
Wilmington	274.8	282.5	284.9	16.2	12.5	11.1	5.9	4.4	3.9
District of Columbia	321.7	331.3	333.1	25.8	26.7	25.0	8.0	8.1	7.5
Washington	2,000.1	2,048.9	2,079.0	72.6	80.7	76.7	3.6	3.9	3.7
Florida¹	5,450.0	5,722.0	5,810.7	316.3	299.7	312.5	5.8	5.2	5.4
Daytona Beach	135.8	144.0	146.9	6.9	7.1	7.0	5.1	4.9	4.7
Fort Lauderdale-Hollywood-Pompano Beach	570.8	596.3	603.6	26.2	24.5	24.7	4.6	4.1	4.1
Fort Myers-Cape Coral	119.6	135.0	137.6	5.3	4.9	4.6	4.4	3.6	3.3
Gainesville	97.3	102.5	103.3	3.2	3.9	3.7	3.2	3.8	3.6
Jacksonville	403.8	427.2	433.7	21.2	22.3	23.3	5.3	5.2	5.4
Lakeland-Winter Haven	163.3	175.5	173.7	16.0	13.8	14.6	9.8	7.9	8.4
Melbourne-Titusville-Palm Bay	166.7	165.5	169.0	10.3	10.5	11.1	6.1	6.4	6.6
Miami-Hialeah	874.9	894.1	907.3	60.9	51.1	54.0	7.0	5.7	6.0
Orlando	504.0	541.1	554.2	24.2	23.8	25.9	4.8	4.4	4.7
Pensacola	142.7	144.8	148.5	12.3	10.0	11.2	8.6	6.9	7.6
Sarasota	106.1	111.1	113.2	4.6	3.9	3.8	4.3	3.5	3.4
Tallahassee	112.2	119.4	121.8	4.4	4.6	5.1	3.9	3.8	4.2
Tampa-St. Petersburg-Clearwater	894.4	940.8	953.4	46.6	47.7	49.1	5.2	5.1	5.1
West Palm Beach-Boca Raton-Delray Beach	361.7	387.7	392.1	19.8	17.8	18.8	5.5	4.6	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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Georgia	2,951.3	3,052.9	3,084.8	178.4	183.4	178.3	6.0	6.0	5.8
Albany	55.8	56.1	56.8	4.9	5.8	5.5	8.7	10.3	9.8
Athens	71.2	73.6	74.8	3.6	3.7	3.6	5.1	5.0	4.8
Atlanta	1,368.8	1,448.3	1,463.4	64.0	69.9	68.1	4.7	4.8	4.7
Augusta	170.7	176.2	176.9	9.7	11.6	11.5	5.7	6.6	6.5
Columbus	98.0	98.9	99.6	7.9	7.2	6.9	8.1	7.3	6.9
Macon-Warner Robins	126.1	127.8	129.2	8.4	7.3	6.8	6.6	5.7	5.2
Savannah	105.2	110.0	110.8	7.0	7.0	6.6	6.7	6.3	6.0
Hawaii	485.4	487.1	495.2	24.7	20.3	19.1	5.1	4.2	3.9
Honolulu	364.3	365.1	372.2	16.5	13.9	13.3	4.5	3.8	3.6
Idaho	452.9	450.8	454.6	44.3	49.3	46.8	9.8	10.9	10.3
Boise City	98.7	100.4	100.6	6.4	7.2	6.8	6.5	7.2	6.7
Illinois ¹	5,625.1	5,561.0	5,580.5	513.5	463.9	451.4	9.1	8.3	8.1
Aurora-Elgin	167.4	169.1	168.3	14.7	12.3	11.5	8.8	7.3	6.8
Bloomington-Normal	63.3	62.4	62.8	4.3	3.3	3.0	6.8	5.3	4.7
Champaign-Urbana-Rantoul	86.0	85.6	87.1	4.5	4.5	4.3	5.2	5.2	4.9
Chicago	3,066.9	3,051.0	3,062.1	245.1	223.5	219.2	8.0	7.3	7.2
Davenport-Rock Island-Moline	181.8	179.8	180.3	19.9	15.8	14.7	11.0	8.8	8.1
Decatur	59.3	57.5	57.5	6.7	6.2	5.9	11.4	10.7	10.2
Joliet	188.2	185.7	185.8	15.8	16.2	16.0	8.4	8.7	8.6
Kankakee	44.1	43.3	44.3	5.1	4.5	4.3	11.7	10.3	9.7
Lake County	243.6	242.0	244.8	14.6	13.1	12.5	6.0	5.4	5.1
Peoria	154.2	151.2	150.5	15.9	14.3	13.8	10.3	9.5	9.2
Rockford	144.6	144.9	144.8	13.9	13.1	15.7	9.6	9.0	10.9
Springfield	104.5	102.6	102.9	7.0	6.2	6.0	6.7	6.1	5.8
Indiana	2,706.7	2,702.3	2,706.4	209.1	202.0	186.7	7.7	7.5	6.9
Anderson	60.7	59.6	59.1	4.4	4.9	4.2	7.2	8.2	7.1
Bloomington	56.8	58.8	58.1	2.8	2.7	2.4	4.9	4.5	4.1
Elkhart-Goshen	87.0	89.6	89.6	4.8	4.6	3.7	5.5	5.2	4.2
Evansville	143.0	141.2	141.7	11.2	11.7	11.2	7.9	8.3	7.9
Fort Wayne	185.1	187.7	187.9	10.9	10.9	9.9	5.9	5.8	5.3
Gary-Hammond	257.6	250.3	250.4	31.3	31.0	29.0	12.2	12.4	11.6
Indianapolis	630.4	640.7	641.8	36.8	35.6	33.0	5.8	5.6	5.1
Kokomo	49.8	48.6	48.2	5.1	4.2	4.1	10.3	8.5	8.5
Lafayette	64.5	65.0	64.0	3.0	2.6	2.3	4.6	4.1	3.6
Muncie	59.2	59.3	59.2	4.7	4.9	4.2	8.0	8.2	7.1
South Bend-Mishawaka	124.4	125.2	125.2	8.3	7.8	7.1	6.6	6.2	5.7
Terre Haute	61.0	59.0	59.0	5.2	4.3	4.3	8.6	7.3	7.3
Iowa	1,407.5	1,423.6	1,434.1	124.0	91.4	81.2	8.8	6.4	5.7
Cedar Rapids	87.4	89.3	89.7	7.0	5.1	4.7	8.0	5.7	5.3
Des Moines	208.2	217.4	218.2	13.7	10.4	9.4	6.6	4.8	4.3
Dubuque	42.5	43.8	43.7	4.2	3.2	2.7	10.0	7.3	6.2
Iowa City	57.5	58.0	58.3	2.0	1.3	1.1	3.5	2.2	1.9
Sioux City	56.6	58.9	59.2	5.2	4.2	3.8	9.1	7.1	6.4
Waterloo-Cedar Falls	68.9	69.3	69.2	9.4	6.6	5.9	13.6	9.5	8.5
Kansas	1,217.9	1,236.5	1,249.3	73.0	73.6	67.7	6.0	6.0	5.4
Lawrence	37.1	38.9	39.3	1.5	1.7	1.6	4.0	4.3	4.0
Topeka	85.8	88.7	89.8	4.7	4.8	4.5	5.5	5.4	5.0
Wichita LMA	222.0	228.0	230.9	13.4	14.5	13.2	6.0	6.4	5.7
Kentucky	1,663.0	1,676.2	1,670.7	173.0	192.2	184.6	10.4	11.5	11.0
Lexington-Fayette	175.3	176.4	175.3	9.7	11.8	11.0	5.5	6.7	6.3
Louisville	485.0	484.3	484.2	39.0	40.9	39.9	8.0	8.5	8.2
Owensboro	45.6	44.6	44.3	5.6	6.4	6.0	12.3	14.3	13.6
Louisiana	1,987.4	1,948.7	1,936.1	243.4	280.9	260.8	12.2	14.4	13.5
Alexandria	59.8	60.7	60.6	6.1	7.2	6.7	10.3	11.8	11.0
Baton Rouge	263.3	261.7	260.8	28.0	30.4	27.7	10.6	11.6	10.6
Houma-Thibodaux	78.3	75.1	74.2	11.3	15.9	14.8	14.4	21.1	19.9
Lafayette	110.8	101.9	101.2	12.2	16.2	15.0	11.0	15.9	14.8
Lake Charles	76.4	72.9	72.1	10.7	10.8	9.9	14.0	14.8	13.7
Monroe	69.8	69.1	69.1	7.0	8.2	7.6	10.1	11.8	11.1
New Orleans	609.4	594.1	589.9	61.6	68.0	63.6	10.1	11.4	10.8
Shreveport	169.3	165.4	164.7	19.9	22.5	21.3	11.7	13.6	12.9
Maine	536.5	533.9	540.8	33.5	31.3	29.9	6.2	5.9	5.5
Lewiston-Auburn	39.9	39.2	39.3	3.2	2.6	2.5	8.0	6.5	6.2
Portland	111.4	112.7	113.9	3.5	3.4	3.3	3.2	3.0	2.9

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
Maryland	2,312.8	2,363.7	2,392.9	115.5	128.1	119.0	5.0	5.4	5.0
Baltimore	1,130.8	1,147.1	1,158.0	65.1	67.2	62.6	5.8	5.9	5.4
Massachusetts ¹	3,030.7	3,001.6	3,048.5	130.3	117.4	136.0	4.3	3.9	4.5
Boston	1,509.9	1,497.9	1,520.8	53.4	47.0	55.3	3.5	3.1	3.6
Brockton	95.1	94.5	96.5	4.3	4.0	4.7	4.5	4.2	4.9
Fall River	76.3	75.8	76.8	6.2	5.6	6.4	8.1	7.4	8.4
Fitchburg-Leominster	47.7	44.9	45.2	2.3	2.3	2.7	4.8	5.1	5.9
Lawrence-Haverhill	184.5	178.0	180.4	9.7	8.0	9.1	5.2	4.5	5.1
Lowell	149.8	145.8	147.2	6.0	5.9	6.5	4.0	4.0	4.4
New Bedford	84.9	82.6	84.1	6.6	6.0	6.7	7.8	7.3	8.0
Pittsfield	40.1	39.8	40.8	2.0	1.7	2.1	4.9	4.3	5.2
Springfield	246.2	246.0	249.6	11.5	10.0	11.3	4.7	4.1	4.5
Worcester	206.7	206.7	209.8	8.1	7.4	8.7	3.9	3.6	4.2
Michigan ¹	4,311.7	4,431.0	4,463.2	414.2	392.9	375.6	9.6	8.9	8.4
Ann Arbor	148.9	155.4	157.0	7.6	7.2	6.9	5.1	4.7	4.4
Battle Creek	60.4	61.6	62.2	6.0	5.0	4.7	9.9	8.2	7.6
Benton Harbor	74.0	75.1	75.8	7.1	6.4	6.0	9.6	8.6	7.9
Detroit	2,079.9	2,162.4	2,180.2	179.8	178.2	174.1	8.6	8.2	8.0
Flint	198.1	200.3	200.0	20.1	21.7	19.3	10.2	10.8	9.6
Grand Rapids	327.6	332.5	334.3	25.4	24.0	21.0	7.8	7.2	6.3
Jackson	61.1	62.0	62.2	6.1	5.5	4.9	10.0	8.8	7.9
Kalamazoo	108.9	112.4	113.5	6.7	6.1	5.9	6.1	5.5	5.2
Lansing-East Lansing	227.8	235.3	236.7	17.6	16.0	15.1	7.7	6.8	6.4
Muskegon	66.5	67.6	67.5	7.8	8.3	7.6	11.8	12.2	11.2
Saginaw-Bay City-Midland	178.4	182.9	184.4	19.7	19.5	19.1	11.0	10.7	10.4
Minnesota	2,164.4	2,193.9	2,212.1	149.1	141.1	134.2	6.9	6.4	6.1
Duluth	100.1	100.1	100.3	12.4	12.1	11.4	12.4	12.1	11.4
Minneapolis-St. Paul	1,285.6	1,308.1	1,320.1	66.0	62.5	58.4	5.1	4.8	4.4
Rochester	55.0	56.5	57.0	2.8	2.7	2.5	5.0	4.7	4.4
St. Cloud	85.8	90.3	90.9	6.6	6.5	6.2	7.6	7.2	6.9
Mississippi	1,154.1	1,147.3	1,156.8	132.6	139.5	128.4	11.5	12.2	11.1
Jackson	193.1	193.7	195.7	14.7	16.5	15.0	7.6	8.5	7.7
Missouri	2,483.4	2,516.3	2,543.9	165.2	170.7	160.9	6.7	6.8	6.3
Kansas City	789.2	807.8	812.9	40.7	41.6	42.2	5.2	5.2	5.2
St. Joseph	41.2	40.5	40.9	3.6	3.4	3.2	8.8	8.4	7.8
St. Louis	1,220.3	1,234.1	1,239.9	89.1	93.0	87.6	7.3	7.5	7.1
Springfield	114.0	117.8	118.2	5.8	6.2	5.6	5.1	5.3	4.7
Montana	400.5	401.9	405.9	39.4	39.1	35.7	9.8	9.7	8.8
Nebraska	790.8	792.2	805.1	48.2	46.4	45.9	6.1	5.9	5.7
Lincoln	116.6	116.8	118.5	4.2	4.5	4.6	3.6	3.8	3.9
Omaha	310.8	314.7	316.8	19.1	17.9	17.7	6.1	5.7	5.6
Nevada	527.6	553.8	559.7	35.4	35.5	35.5	6.7	6.4	6.3
Las Vegas	303.7	322.5	326.3	20.2	20.1	20.5	6.7	6.2	6.3
Reno	133.4	138.0	139.2	8.1	8.6	8.4	6.1	6.2	6.0
New Hampshire	544.3	556.0	566.9	18.5	15.2	15.0	3.4	2.7	2.6
Nashua	89.9	91.4	93.4	3.0	2.4	2.4	3.3	2.6	2.6
Portsmouth-Dover-Rochester	117.5	122.8	124.3	3.6	3.5	3.3	3.0	2.9	2.6
New Jersey ¹	3,818.3	3,894.6	3,949.7	188.4	187.7	169.0	4.9	4.8	4.3
Atlantic City	159.2	164.2	167.4	12.7	13.0	11.3	8.0	7.9	6.8
Bergen-Passaic	694.3	704.0	714.4	31.4	29.9	27.7	4.5	4.3	3.9
Jersey City	263.6	269.4	272.0	20.3	19.7	18.4	7.7	7.3	6.8
Middlesex-Somerset-Hunterdon	525.8	534.2	543.3	18.7	18.2	16.1	3.8	3.4	3.0
Monmouth-Ocean	434.4	447.9	456.4	17.8	18.7	16.4	4.1	4.2	3.6
Newark	952.7	966.5	976.0	48.3	46.4	42.2	5.1	4.8	4.3
Trenton	166.2	170.3	173.2	7.1	7.1	6.3	4.2	4.2	3.7
Vineland-Millville-Bridgeton	55.9	57.1	57.9	5.6	5.5	4.9	10.1	9.7	8.5
New Mexico	660.5	668.7	674.6	62.0	64.5	62.2	9.4	9.6	9.2
Albuquerque	249.6	256.8	259.2	16.0	16.2	15.9	6.4	6.3	6.1
Las Cruces	53.0	54.7	55.8	4.1	3.9	4.0	7.7	7.1	7.2
Santa Fe	61.3	63.4	64.6	3.5	4.0	3.8	5.8	6.3	5.9

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		
	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P	Mar. 1986	Feb. 1987	Mar. 1987 ^P
New York¹	8,309.7	8,389.1	8,449.7	603.6	466.3	450.1	7.3	5.6	5.3
Albany-Schenectady-Troy	404.1	413.5	412.0	25.5	19.6	18.9	6.3	4.7	4.6
Binghamton	125.3	126.1	124.8	10.1	7.0	6.4	8.1	5.5	5.1
Buffalo	431.0	440.5	437.7	37.7	29.2	27.8	8.8	6.6	6.4
Elmira	38.4	39.9	39.5	3.4	2.6	2.2	8.7	6.4	5.6
Glens Falls	48.8	50.2	49.7	4.8	3.2	3.4	9.9	6.3	6.9
Nassau-Suffolk	1,363.0	1,408.9	1,402.4	66.1	54.7	49.9	4.8	3.9	3.6
New York	3,890.6	3,864.0	3,954.2	285.6	213.7	212.5	7.3	5.5	5.4
New York City ¹	3,246.0	3,195.0	3,289.0	258.0	191.0	192.0	7.9	6.0	5.8
Orange County	122.5	126.2	125.9	8.2	6.2	5.9	6.7	4.9	4.7
Poughkeepsie	123.1	125.6	124.9	5.6	4.1	3.9	4.5	3.3	3.1
Rochester	485.8	493.6	487.8	32.0	26.5	25.0	6.6	4.9	5.1
Syracuse	309.7	319.8	317.3	27.0	22.7	21.9	8.7	7.1	6.9
Utica-Rome	132.4	134.7	133.2	12.6	9.8	9.2	9.5	7.3	6.9
North Carolina¹	3,142.3	3,259.5	3,238.9	178.4	181.4	159.8	5.7	5.6	4.9
Asheville	83.8	86.1	85.8	4.4	5.2	4.6	5.2	6.1	5.4
Charlotte-Gastonia-Rock Hill	589.1	610.9	611.1	29.1	26.1	23.9	4.9	4.3	3.9
Greensboro-Winston-Salem-High Point	497.2	512.1	510.4	24.4	22.9	20.8	4.9	4.5	4.1
Raleigh-Durham	377.5	396.3	394.4	11.9	13.2	12.4	3.2	3.3	3.1
North Dakota	322.7	312.0	323.4	26.0	19.5	19.5	8.1	6.3	6.0
Bismarck	43.6	42.8	43.3	3.9	2.8	2.2	8.8	6.4	5.0
Fargo-Moorhead	80.0	82.0	83.1	4.3	3.4	3.5	5.4	4.2	4.3
Grand Forks	34.1	34.5	35.3	1.7	1.3	1.2	4.8	3.7	3.5
Ohio¹	5,233.3	5,204.5	5,153.6	414.8	472.8	405.1	7.9	9.1	7.9
Akron	322.3	318.0	314.4	26.1	29.2	25.1	8.1	9.2	8.0
Canton	191.7	189.2	185.7	20.2	21.6	18.1	10.6	11.4	9.7
Cincinnati	720.2	726.9	725.7	45.5	51.6	51.9	6.3	7.1	7.1
Cleveland	932.5	921.8	913.5	66.5	73.4	63.4	7.1	8.0	6.9
Columbus	672.5	678.0	674.0	39.2	45.9	39.2	5.8	6.8	5.8
Dayton-Springfield	463.7	462.2	457.6	29.6	33.5	27.7	6.4	7.2	6.1
Toledo	306.5	309.3	306.9	23.8	28.1	24.4	7.8	9.1	7.9
Youngstown-Warren	223.2	224.2	220.4	22.6	26.8	22.4	10.1	11.9	10.2
Oklahoma	1,591.7	1,562.4	1,568.4	127.4	135.7	133.0	8.0	8.7	8.5
Enid	31.7	29.5	29.7	2.4	2.6	2.6	7.6	8.8	8.6
Lawton	48.2	47.0	47.5	2.4	2.6	2.5	4.9	5.6	5.2
Oklahoma City	517.3	499.7	501.3	32.0	34.3	34.6	6.2	6.9	6.9
Tulsa	353.4	357.2	357.1	29.0	33.7	32.7	8.2	9.4	9.2
Oregon	1,322.1	1,359.4	1,349.4	128.9	101.2	93.0	9.8	7.4	6.9
Eugene-Springfield	131.0	135.6	134.7	13.0	9.0	8.1	9.9	6.6	6.0
Portland	601.9	623.5	619.2	46.9	36.9	34.7	7.8	5.9	5.6
Salem	120.2	124.5	123.4	11.6	9.6	8.9	9.7	7.7	7.2
Pennsylvania¹	5,634.7	5,427.2	5,445.5	447.1	349.0	339.5	7.9	6.4	6.2
Allentown-Bethlehem	323.4	303.5	304.1	29.2	16.3	15.4	9.0	5.4	5.1
Altoona	58.7	55.6	56.1	6.6	4.8	4.7	11.2	8.7	8.3
Beaver County	66.8	60.2	60.2	9.8	6.7	6.3	14.7	11.1	10.5
Erie	128.9	123.1	123.9	11.7	10.5	10.7	9.1	8.5	8.6
Harrisburg-Lebanon-Carlisle	301.1	296.5	297.6	17.3	11.5	11.7	5.7	3.9	3.9
Johnstown	95.6	90.9	90.8	12.7	9.3	8.9	13.3	10.2	9.8
Lancaster	204.7	201.8	202.5	8.2	5.7	5.6	4.0	2.8	2.8
Philadelphia	2,350.7	2,316.8	2,330.8	132.3	114.3	110.0	5.6	4.9	4.7
Pittsburgh	954.8	917.7	922.4	86.5	73.4	71.1	9.1	8.0	7.7
Reading	169.8	163.9	164.0	13.5	8.5	8.4	7.9	5.2	5.1
Scranton-Wilkes-Barre	345.0	330.7	330.8	32.3	27.0	26.2	9.4	8.2	7.9
Sharon	49.5	47.5	48.4	4.5	4.5	4.2	9.1	9.4	8.7
State College	57.9	56.8	56.3	4.0	3.1	3.0	7.0	5.5	5.4
Williamsport	56.0	53.9	54.5	4.9	3.9	3.8	8.8	7.3	7.0
York	206.9	198.6	199.2	13.0	8.7	8.4	6.3	4.4	4.2
Rhode Island	502.5	504.9	506.0	23.9	23.6	21.9	4.8	4.7	4.3
Pawtucket-Woonsocket-Attleboro	164.2	163.4	164.6	9.1	9.0	8.8	5.6	5.5	5.4
Providence	327.9	329.9	330.5	15.2	14.8	13.8	4.6	4.5	4.2
South Carolina	1,582.9	1,594.0	1,601.4	103.4	100.1	101.7	6.5	6.3	6.4
Charleston	212.3	217.9	219.7	9.7	10.9	11.2	4.6	5.0	5.1
Columbia	219.2	218.7	220.1	8.3	9.0	9.1	3.8	4.1	4.1
Greenville-Spartanburg	313.1	318.6	320.2	17.7	16.2	16.6	5.7	5.1	5.2
South Dakota	333.5	333.5	341.8	18.6	15.7	15.5	5.6	4.7	4.5
Rapid City	36.1	37.5	37.9	2.0	1.8	1.7	5.5	4.7	4.6
Sioux Falls	67.7	68.8	69.3	3.5	2.7	2.5	5.2	3.9	3.5

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Mar. 1986	Feb. 1987	Mar. 1987 ^a	Mar. 1986	Feb. 1987	Mar. 1987 ^a	Mar. 1986	Feb. 1987	Mar. 1987 ^a
Tennessee	2,266.6	2,308.0	2,313.5	196.0	187.7	176.1	8.6	8.1	7.6
Chattanooga	198.7	202.0	202.6	15.2	13.6	12.9	7.7	6.8	6.4
Johnson City-Kingsport-Bristol	208.1	209.7	211.9	17.3	16.5	16.7	8.3	7.9	7.9
Knoxville	271.8	275.3	276.0	23.7	23.5	22.3	8.7	8.5	8.1
Memphis LMA	422.4	435.2	434.6	30.4	28.4	26.9	7.2	6.5	6.2
Nashville	495.6	508.5	508.0	24.9	25.9	24.3	5.0	5.1	4.8
Texas¹	8,024.8	8,226.3	8,106.8	677.1	758.6	668.4	8.4	9.2	8.2
Abilene	55.6	55.8	55.0	4.6	5.2	4.6	8.2	9.3	8.5
Amarillo	97.6	99.2	97.6	6.5	6.8	5.9	6.6	6.9	6.1
Austin	417.2	436.2	431.7	23.0	28.3	25.9	5.5	6.5	6.0
Beaumont-Port Arthur	161.8	161.1	157.7	23.6	21.8	19.3	14.6	13.5	12.2
Brazoria	80.0	80.5	79.4	8.2	8.6	7.4	10.3	10.6	9.4
Brownsville-Harlingen	95.5	95.6	93.3	16.5	15.0	12.8	17.2	15.7	13.8
Bryan-College Station	57.3	57.4	57.1	3.5	3.5	3.2	6.1	6.1	5.6
Corpus Christi	162.5	167.5	165.4	17.7	21.4	18.7	10.9	12.8	11.3
Dallas	1,379.3	1,420.4	1,404.9	73.8	89.3	80.9	5.4	6.3	5.8
El Paso	217.2	228.2	224.3	24.6	26.1	22.8	11.3	11.4	10.2
Fort Worth-Arlington	631.3	668.5	660.9	37.2	49.0	41.7	5.9	7.3	6.3
Galveston-Texas City	106.6	105.9	104.3	11.6	12.0	10.7	10.9	11.3	10.3
Houston	1,606.0	1,596.0	1,570.7	148.6	161.2	141.8	9.3	10.1	9.0
Killeen-Temple	86.2	90.4	89.0	6.5	7.3	6.5	7.6	8.1	7.3
Laredo	43.9	46.3	45.0	7.7	8.6	7.3	17.4	18.6	16.3
Longview-Marshall	79.8	80.4	78.2	9.2	9.4	8.1	11.5	11.7	10.3
Lubbock	107.6	111.6	110.0	7.5	7.3	6.6	7.0	6.6	6.0
McAllen-Edinburg-Mission	144.6	148.8	143.2	31.6	30.5	25.8	21.8	20.5	18.0
Midland	52.4	51.4	50.3	4.3	5.4	4.7	8.2	10.6	9.3
Odessa	59.6	58.1	56.6	6.2	8.5	7.2	10.3	14.6	12.6
San Angelo	45.0	45.9	45.3	3.0	3.1	2.8	6.7	6.7	6.2
San Antonio	562.5	595.3	587.1	38.1	48.8	44.7	6.8	8.2	7.6
Sherman-Denison	46.9	49.3	48.4	3.1	4.1	3.7	6.7	8.3	7.7
Texarkana	56.1	56.8	56.1	5.5	5.2	4.8	9.8	9.2	8.6
Tyler	74.9	77.5	75.1	6.1	8.1	6.4	8.1	10.5	8.5
Victoria	37.4	38.1	37.5	3.4	3.9	3.4	9.1	10.3	9.0
Waco	88.7	92.8	91.5	6.3	7.3	6.9	7.1	7.9	7.5
Wichita Falls	56.0	57.7	56.8	4.5	5.1	4.4	8.1	8.8	7.7
Utah	745.0	756.9	762.0	47.0	57.5	55.7	6.3	7.6	7.3
Provo-Orem	97.6	97.6	98.8	6.2	9.1	8.7	6.3	9.3	8.8
Salt Lake City-Ogden	491.3	503.1	505.0	28.0	33.0	31.9	5.7	6.6	6.3
Vermont	286.9	294.3	295.1	16.9	14.9	13.9	5.9	5.1	4.7
Burlington	71.6	72.3	72.9	2.9	2.4	2.5	4.0	3.3	3.4
Virginia	2,845.2	2,873.1	2,901.6	154.7	156.4	150.0	5.4	5.4	5.2
Charlottesville	61.5	62.6	64.2	2.5	2.2	2.5	4.1	3.6	4.0
Danville	50.7	49.7	49.9	5.6	4.4	4.4	11.0	8.8	8.8
Lynchburg	69.3	69.5	70.0	4.8	4.5	4.7	7.0	6.5	6.7
Norfolk-Virginia Beach-Newport News	564.1	567.6	572.8	29.0	30.6	30.4	5.1	5.4	5.3
Richmond-Petersburg	404.7	412.6	416.2	18.2	19.2	16.5	4.5	4.6	4.0
Roanoke	114.9	116.8	117.2	5.1	5.7	5.1	4.5	4.9	4.4
Washington	2,127.0	2,161.2	2,181.8	190.1	204.2	202.3	8.9	9.5	9.3
Seattle	934.5	968.5	972.8	63.6	67.6	69.1	6.8	7.0	7.1
West Virginia	741.9	744.1	740.3	100.4	93.8	84.4	13.5	12.6	11.4
Charleston	115.6	116.5	116.8	12.3	11.6	10.5	10.6	9.9	9.0
Huntington-Ashland	126.8	126.7	127.0	15.3	16.8	16.0	12.1	13.3	12.6
Parkersburg-Marietta	72.2	72.3	71.9	8.7	8.6	7.3	12.1	11.9	10.1
Wheeling	72.5	71.2	70.8	9.0	8.1	7.1	12.4	11.3	10.0
Wisconsin	2,350.6	2,416.5	2,421.7	202.2	194.1	182.1	8.6	8.0	7.5
Appleton-Oshkosh-Neenah	156.0	158.7	160.4	12.5	12.4	11.9	8.0	7.8	7.4
Eau Claire	65.7	70.4	71.5	5.4	5.5	5.2	8.3	7.8	7.3
Green Bay	98.9	101.6	102.1	6.9	7.8	7.1	6.9	7.6	7.0
Janesville-Beloit	67.8	68.9	68.8	6.6	6.1	5.7	9.7	8.9	8.4
Kenosha	53.1	52.8	52.5	7.5	5.5	4.6	14.1	10.3	8.7
La Crosse	49.9	51.2	51.5	3.6	3.3	3.3	7.2	6.4	6.5
Madison	201.2	205.9	207.2	10.5	10.1	9.3	5.2	4.9	4.5
Milwaukee	703.1	721.4	723.6	48.5	45.2	43.2	6.9	6.3	6.0
Racine	83.9	84.4	85.3	8.4	7.1	6.7	10.0	8.4	7.9
Sheboygan	50.8	52.9	52.8	3.8	3.8	3.3	7.6	7.1	6.2
Wausau	55.5	58.3	58.5	5.3	5.5	5.1	9.5	9.5	8.8
Wyoming	245.1	239.5	239.7	23.6	26.2	25.4	9.6	11.0	10.6

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

² Not available.

^a = preliminary.

NOTE: Data refer to place of residence. Estimates for 1986 have been

benchmarked to 1986 Current Population Survey annual averages. Except in the 11 States and 2 areas designated by footnote 1, estimates for 1987 are provisional and will be revised when new benchmark information becomes available. Area definitions are published annually in the May issue of this publication.

Annual Averages

States and Areas

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonagricultural payrolls in States and selected areas by major industry

(In thousands)

State and area	Total			Mining			Construction		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Alabama	1,387.7	1,427.1	1,461.4	14.2	14.5	12.4	64.8	71.4	75.4
Birmingham	356.2	369.4	381.0	7.4	7.5	6.2	19.4	21.2	23.3
Huntsville	105.2	111.5	116.9	.1	.1	.1	4.0	4.3	4.8
Mobile	151.5	156.9	158.2	(¹)	.9	.6	10.2	11.8	10.4
Montgomery	113.0	116.3	121.2	.1	.1	.1	6.5	7.6	9.2
Tuscaloosa	52.2	54.0	56.4	2.6	2.9	2.8	2.3	2.5	2.8
Alaska	225.7	230.7	222.1	8.7	9.5	9.0	20.4	18.6	13.2
Arizona	1,181.9	1,278.6	1,341.4	13.1	11.9	10.9	97.0	112.1	113.6
Phoenix	770.8	842.4	883.5	.7	.6	.6	67.1	79.0	78.9
Tucson	214.5	231.9	240.7	3.4	2.3	1.7	18.3	21.0	21.9
Arkansas	780.2	797.1	813.9	5.6	5.5	4.4	33.7	35.3	36.0
Fayetteville-Springdale	41.9	43.4	44.4	(¹)	(¹)	(¹)	1.6	1.9	1.9
Fort Smith	66.6	69.6	72.2	1.2	1.3	1.0	3.0	3.0	3.0
Little Rock-North Little Rock	214.2	221.2	224.4	.4	.4	.4	11.0	11.7	11.4
Pine Bluff	30.5	31.1	33.1	(¹)	(¹)	(¹)	1.2	1.6	3.2
California	10,573.8	10,979.1	11,271.6	50.0	49.9	42.5	445.2	496.2	521.5
Anaheim-Santa Ana	950.7	999.1	1,042.2	3.9	3.1	2.3	44.2	50.5	53.6
Bakersfield	148.1	154.3	156.2	15.6	16.4	13.6	8.2	9.4	9.8
Fresno	186.3	191.5	195.5	1.1	1.0	.7	10.5	11.4	11.7
Los Angeles-Long Beach	3,723.5	3,825.1	3,913.7	12.6	12.4	10.9	109.0	120.9	127.6
Modesto	89.0	93.5	98.0	.1	.1	.1	5.2	6.0	6.2
Oakland	735.0	767.1	788.9	2.0	2.1	2.5	41.5	44.8	45.0
Oxnard-Ventura	177.8	186.4	193.2	3.4	3.3	3.1	8.1	9.4	10.4
Riverside-San Bernardino	482.0	524.8	561.2	1.3	1.3	1.2	32.6	38.4	43.4
Sacramento	465.8	494.5	518.2	.8	.9	.8	23.1	27.3	30.4
Salinas-Seaside-Monterey	95.5	100.1	102.7	.3	.5	.5	3.5	3.8	4.1
San Diego	733.5	783.9	821.8	.6	.8	.8	41.4	47.5	52.0
San Francisco	902.5	917.4	922.3	2.5	1.9	1.1	29.8	32.2	33.3
San Jose	776.6	782.7	768.4	.2	.1	.2	30.1	33.0	31.0
Santa Barbara-Santa Maria-Lompoc	134.2	138.6	143.9	1.5	1.5	1.4	6.1	6.4	6.4
Santa Rosa-Petaluma	108.5	114.4	117.8	.7	.6	.6	6.5	7.2	7.9
Stockton	125.9	131.5	135.0	.1	.1	.1	6.7	7.3	8.1
Vallejo-Fairfield-Napa	108.9	114.4	120.8	.4	.4	.3	6.0	7.0	7.6
Colorado	1,402.3	1,418.7	1,402.2	35.9	32.9	27.4	89.9	86.3	76.4
Boulder-Longmont	106.4	103.8	103.4	.3	.3	.3	5.1	4.8	4.2
Denver	804.7	817.5	805.3	23.4	21.5	17.7	50.2	48.6	42.5
Connecticut	1,520.5	1,562.3	1,601.6	1.5	1.6	1.6	60.8	65.6	70.6
Bridgeport-Milford	185.0	189.4	192.8	(¹)	(¹)	(¹)	6.2	7.3	7.7
Hartford	428.6	442.1	459.6	.2	.2	.3	14.7	16.0	18.2
New Britain	61.0	62.7	65.0	(¹)	(¹)	(¹)	2.7	3.1	3.7
New Haven-Meriden	231.1	237.5	243.6	.3	.3	.3	9.8	10.8	12.1
Stamford	116.7	120.8	122.5	.7	.8	.6	4.5	5.2	5.2
Waterbury	84.4	84.8	84.6	(¹)	(¹)	(¹)	3.2	3.6	3.9
Delaware	280.0	293.4	303.0	.1	.1	.1	16.9	17.6	18.9
Wilmington	245.3	256.4	261.6	.2	.2	.2	18.2	18.8	17.9
District of Columbia	613.8	631.2	640.6	.1	.1	.1	11.5	13.6	13.8
Washington MSA	1,805.4	1,908.5	1,986.1	1.1	1.1	1.0	96.8	110.9	120.8
Florida	4,208.7	4,410.0	4,589.6	10.2	10.1	9.5	318.4	334.3	339.7
Daytona Beach	94.5	101.0	106.2	(¹)	(¹)	(¹)	6.7	7.4	7.9
Fort Lauderdale-Hollywood-Pompano Beach	407.6	426.4	440.9	.3	.4	.4	33.5	35.9	36.5
Fort Myers-Cape Coral	87.3	94.0	100.3	(¹)	(¹)	(¹)	10.4	11.1	11.8
Gainesville	82.0	85.9	89.6	(¹)	(¹)	(¹)	4.6	4.7	4.6
Jacksonville	339.6	359.1	373.3	.6	.5	.5	24.7	26.6	27.7
Lakeland-Winter Haven	127.6	133.0	134.1	4.9	4.7	4.2	8.7	8.7	8.3
Melbourne-Titusville-Palm Bay	127.1	135.9	138.2	(¹)	(¹)	(¹)	8.4	9.5	9.0
Miami-Hialeah	768.2	782.6	797.3	.9	.8	.9	38.9	39.1	39.7
Orlando	385.1	413.5	444.4	(¹)	(¹)	(¹)	30.9	32.7	34.2
Pensacola	112.8	117.1	120.7	.5	.4	.4	8.9	9.5	10.3
Sarasota	88.3	93.0	96.8	(¹)	(¹)	(¹)	9.6	10.1	10.0
Tallahassee	93.5	97.9	102.3	(¹)	(¹)	(¹)	4.6	5.0	5.3
Tampa-St. Petersburg-Clearwater	693.6	732.4	760.4	.7	.6	.7	58.0	60.9	61.4
West Palm Beach-Boca Raton-DeFray Beach	268.3	284.8	300.9	(¹)	(¹)	(¹)	25.2	27.2	27.9

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Alabama	359.8	358.1	357.5	72.1	72.7	71.5	291.3	305.6	320.4
Birmingham	53.7	55.2	54.2	29.3	29.2	27.5	86.1	90.1	95.7
Huntsville	30.0	30.9	30.8	2.3	2.4	2.6	19.4	21.3	22.3
Mobile	25.5	25.9	26.2	9.6	9.7	9.5	39.9	41.2	43.0
Montgomery	17.4	16.8	17.6	4.5	4.7	4.7	25.4	25.9	27.2
Tuscaloosa	8.1	8.3	8.9	1.8	2.0	2.0	10.8	11.0	11.6
Alaska	11.3	12.1	12.4	19.2	18.7	18.2	44.5	45.8	44.3
Arizona	172.8	181.6	184.2	59.9	62.9	66.4	286.3	311.1	325.2
Phoenix	125.5	131.1	131.9	38.7	41.0	44.0	194.2	212.7	222.1
Tucson	28.9	31.4	31.6	8.9	9.4	9.5	47.5	51.6	54.0
Arkansas	213.0	209.6	212.1	45.4	47.2	48.3	172.9	180.7	184.4
Fayetteville-Springdale	9.5	9.6	9.8	3.3	3.7	3.9	9.9	10.5	10.6
Fort Smith	22.7	23.7	24.7	3.2	3.3	3.6	14.8	15.5	15.6
Little Rock-North Little Rock	34.0	33.8	32.4	14.3	14.9	14.8	50.6	53.6	54.8
Pine Bluff	5.8	5.8	6.0	3.3	3.0	2.8	6.2	6.4	6.5
California	2,065.5	2,076.1	2,063.9	554.6	568.7	576.1	2,507.4	2,626.1	2,712.6
Anaheim-Santa Ana	237.6	241.9	242.3	31.3	33.1	34.1	236.0	249.9	260.8
Bakersfield	10.3	10.3	10.2	7.6	8.2	8.2	38.5	39.0	40.1
Fresno	21.4	21.1	20.8	10.3	10.0	10.3	48.0	49.4	50.3
Los Angeles-Long Beach	885.3	887.1	886.5	197.6	200.9	202.7	866.3	894.9	923.8
Modesto	19.7	20.4	21.7	4.4	4.4	4.3	22.6	23.6	24.5
Oakland	103.0	102.8	101.7	46.3	50.4	54.5	185.1	194.4	199.1
Oxnard-Ventura	29.1	29.6	29.0	7.1	7.9	9.2	44.4	47.5	48.9
Riverside-San Bernardino	63.9	69.8	74.0	27.6	29.4	30.6	123.7	132.8	140.7
Sacramento	33.1	35.1	37.9	23.4	23.8	23.7	113.7	121.8	127.2
Salinas-Seaside-Monterey	8.6	9.0	9.4	4.7	4.9	4.9	26.4	27.5	27.5
San Diego	116.0	121.6	122.0	30.5	31.6	32.1	173.4	186.9	197.6
San Francisco	85.4	80.5	77.9	85.1	83.5	80.3	202.8	211.4	214.5
San Jose	291.6	283.0	265.9	21.8	22.2	21.3	144.1	149.4	150.7
Santa Barbara-Santa Maria-Lompoc	23.7	23.4	24.1	5.4	5.5	5.4	31.4	33.2	34.1
Santa Rosa-Petaluma	17.8	18.1	18.0	5.3	5.7	5.5	27.7	29.5	30.8
Stockton	21.1	21.5	21.7	8.3	8.7	8.6	29.2	30.6	31.8
Vallejo-Fairfield-Napa	10.4	11.1	12.1	4.3	4.4	4.5	25.8	27.1	29.1
Colorado	195.3	192.2	185.3	87.2	88.5	87.7	345.9	352.1	348.9
Boulder-Longmont	34.3	29.4	28.2	2.6	2.4	2.3	20.9	22.0	22.8
Denver	100.0	101.3	96.8	61.3	63.2	62.8	202.3	204.8	203.7
Connecticut	415.3	408.3	395.5	66.6	68.4	68.8	332.8	347.4	358.4
Bridgeport-Milford	63.5	62.8	60.5	7.3	7.4	7.5	41.2	43.2	44.8
Hartford	92.7	93.3	92.8	15.8	16.6	17.0	91.5	94.6	97.2
New Britain	23.8	22.7	22.3	3.1	3.2	3.2	11.3	12.1	12.9
New Haven-Meriden	48.7	47.9	47.2	17.6	17.6	17.5	52.3	54.9	56.7
Stamford	29.8	28.3	25.6	4.7	4.8	4.9	27.2	28.8	29.1
Waterbury	29.2	28.2	25.3	3.0	3.1	3.1	16.3	16.2	16.6
Delaware	70.6	72.2	68.3	11.9	12.0	12.5	61.9	64.4	67.8
Wilmington	62.4	62.1	58.1	11.7	13.0	13.5	50.9	52.9	55.4
District of Columbia	14.5	14.8	15.5	26.1	25.4	24.4	62.5	62.7	62.8
Washington MSA	77.3	81.7	85.4	83.0	88.7	93.5	358.3	379.5	400.6
Florida	501.8	514.4	516.9	241.1	243.0	245.0	1,121.4	1,184.8	1,239.3
Daytona Beach	10.7	12.1	12.2	3.3	3.3	3.3	27.0	28.9	30.7
Fort Lauderdale-Hollywood-Pompano Beach	43.7	43.8	43.1	21.3	21.0	21.2	118.9	124.9	130.5
Fort Myers-Cape Coral	4.4	4.6	5.1	4.1	4.2	4.7	25.7	28.3	29.7
Gainesville	5.5	5.3	5.4	1.7	1.7	1.7	18.0	18.8	19.9
Jacksonville	35.9	37.2	37.5	26.8	26.9	26.8	90.9	97.0	100.0
Lakeland-Winter Haven	22.4	21.9	21.3	6.0	6.0	6.0	33.3	36.3	37.3
Melbourne-Titusville-Palm Bay	26.5	27.4	27.4	5.3	5.6	5.7	27.9	30.3	31.7
Miami-Hialeah	95.4	94.2	93.1	70.2	68.2	67.3	201.4	208.1	212.2
Orlando	45.5	48.1	51.1	20.1	21.7	23.3	104.7	108.8	115.2
Pensacola	12.4	11.9	11.2	6.2	6.3	6.1	27.5	29.1	31.4
Sarasota	7.2	7.6	8.0	3.4	3.5	3.5	26.2	27.8	28.8
Tallahassee	3.8	4.0	4.4	2.8	2.8	2.8	19.7	21.0	21.5
Tampa-St. Petersburg-Clearwater	88.7	91.5	90.0	36.1	36.9	37.2	189.5	202.3	209.8
West Palm Beach-Boca Raton-Delray Beach	35.1	37.6	36.7	10.4	10.6	10.9	70.5	73.7	78.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Alabama	62.8	65.8	69.0	229.3	243.1	258.2	293.4	295.9	297.0
Birmingham	25.0	26.6	28.3	77.5	81.8	86.9	57.8	57.8	58.9
Huntsville	2.9	3.2	3.4	18.8	21.2	24.7	27.7	28.1	28.2
Mobile	7.5	7.8	7.7	31.1	32.6	33.4	26.7	27.0	27.4
Montgomery	6.6	7.0	7.2	22.4	23.2	24.0	30.1	31.0	31.2
Tuscaloosa	1.6	1.8	2.0	7.0	7.3	7.6	18.0	18.2	18.7
Alaska	12.2	12.8	12.6	43.0	44.8	44.2	66.5	68.3	68.2
Arizona	72.1	81.0	89.1	273.2	299.9	325.9	207.5	218.1	226.1
Phoenix	56.3	63.5	70.3	185.1	202.9	218.9	103.2	111.7	116.9
Tucson	10.1	11.5	12.3	50.4	56.2	61.1	47.0	48.3	48.6
Arkansas	35.6	36.5	37.4	134.5	139.3	146.2	139.5	143.0	145.2
Fayetteville-Springdale	1.5	1.5	1.5	5.9	5.9	6.2	10.2	10.4	10.4
Fort Smith	2.5	2.6	2.7	12.4	13.3	14.5	6.8	7.0	7.2
Little Rock-North Little Rock	14.7	14.9	15.2	45.6	47.3	50.2	43.6	44.7	45.4
Pine Bluff	1.5	1.5	1.6	5.6	5.7	5.7	6.9	7.1	7.2
California	694.2	724.5	765.7	2,509.5	2,644.8	2,756.3	1,747.4	1,792.8	1,832.9
Anaheim-Santa Ana	69.6	75.8	83.4	223.3	237.0	254.2	104.8	107.8	111.5
Bakersfield	5.6	5.8	6.3	27.8	28.9	30.3	34.4	36.3	37.8
Fresno	12.8	13.2	13.7	41.5	43.2	44.4	40.6	42.4	43.6
Los Angeles-Long Beach	251.0	260.9	274.4	934.2	970.7	1,001.8	467.7	477.2	485.9
Modesto	3.9	4.0	4.5	18.3	19.7	20.6	15.0	15.4	16.1
Oakland	43.5	46.8	51.1	161.6	171.5	177.7	152.1	154.3	157.3
Oxnard-Ventura	10.9	10.3	10.2	36.8	39.3	42.8	38.0	39.1	39.8
Riverside-San Bernardino	20.9	21.9	23.6	107.1	121.5	130.8	105.0	109.8	116.8
Sacramento	26.8	28.6	30.6	94.3	101.5	107.8	150.7	155.7	159.7
Salinas-Seaside-Monterey	4.8	4.7	4.9	22.5	24.0	25.0	24.7	25.8	26.3
San Diego	48.5	52.0	56.2	181.3	197.9	211.1	141.8	145.7	150.0
San Francisco	111.8	112.3	114.0	251.9	261.4	267.3	133.1	134.1	134.0
San Jose	30.9	32.0	33.1	179.2	182.4	183.6	78.7	80.7	82.8
Santa Barbara-Santa Maria-Lompoc	7.0	7.4	8.0	34.3	35.8	38.1	24.8	25.6	26.5
Santa Rosa-Petaluma	7.1	7.6	8.0	23.3	25.0	25.8	20.1	20.8	21.3
Stockton	7.4	7.8	8.1	25.8	27.1	28.1	27.3	28.5	28.6
Vallejo-Fairfield-Napa	4.0	4.5	4.7	23.0	24.2	26.3	34.9	35.7	36.3
Colorado	94.7	95.8	97.6	309.2	321.9	324.9	244.4	248.9	254.0
Boulder-Longmont	3.5	3.7	3.9	20.0	20.8	20.9	19.8	20.4	20.8
Denver	64.6	65.4	65.7	186.8	194.0	195.4	116.2	118.7	120.7
Connecticut	123.3	130.4	139.4	335.0	351.8	371.4	185.2	188.8	195.9
Bridgeport-Milford	9.0	9.7	10.5	40.2	41.0	43.8	17.6	18.0	18.0
Hartford	67.2	68.3	74.4	92.2	97.0	101.9	54.3	56.1	57.8
New Britain	2.5	3.2	3.7	11.3	12.0	12.7	6.3	6.4	6.5
New Haven-Meriden	13.4	13.8	14.5	59.8	62.4	65.0	29.2	29.8	30.3
Stamford	9.4	10.1	11.1	30.7	33.6	36.1	9.7	9.2	9.9
Waterbury	3.7	3.7	4.0	18.9	19.5	19.8	10.1	10.5	11.8
Delaware	17.1	19.5	22.9	57.7	62.8	66.8	43.7	44.8	45.7
Wilmington	15.8	18.1	20.8	51.4	55.5	59.4	34.8	35.8	36.4
District of Columbia	34.8	34.8	36.3	203.7	212.7	220.8	260.6	267.1	267.0
Washington MSA	103.2	107.0	114.4	542.1	582.2	614.8	543.7	557.3	555.6
Florida	299.2	319.2	339.6	1,065.9	1,129.8	1,202.6	650.7	674.4	697.0
Daytona Beach	5.7	6.1	6.5	25.5	26.9	28.5	15.6	16.3	17.1
Fort Lauderdale-Hollywood-Pompano Beach	33.6	35.6	36.7	106.6	112.7	118.5	49.7	52.1	54.0
Fort Myers-Cape Coral	6.7	6.9	7.8	22.4	24.7	26.6	13.4	14.0	14.4
Gainesville	3.3	3.6	4.1	17.8	19.1	20.0	31.0	32.6	33.8
Jacksonville	30.8	32.7	35.3	78.5	84.5	89.9	51.4	53.7	55.6
Lakeland-Winter Haven	7.3	7.5	8.0	28.1	29.9	30.7	16.9	18.0	18.3
Melbourne-Titusville-Palm Bay	4.6	4.9	5.1	35.4	38.9	39.4	19.0	19.2	19.8
Miami-Hialeah	62.2	64.8	67.4	202.4	207.8	213.3	96.8	99.6	103.4
Orlando	24.9	27.9	30.1	113.7	125.9	140.0	45.3	48.3	50.4
Pensacola	4.7	5.1	5.4	26.8	28.0	28.6	25.8	26.8	27.3
Sarasota	7.3	7.6	8.0	23.7	25.1	26.9	10.8	11.2	11.6
Tallahassee	4.4	4.4	4.5	17.7	18.9	20.4	40.1	41.5	43.2
Tampa-St. Petersburg-Clearwater	52.6	57.0	61.3	180.6	191.2	203.8	87.4	92.0	96.2
West Palm Beach-Boca Raton-Delray Beach	21.3	23.5	25.5	72.9	78.5	85.1	32.8	33.7	36.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Georgia	2,448.7	2,569.8	2,675.0	7.8	8.1	8.4	131.5	143.8	156.2
Albany	47.3	49.4	48.4	(¹)	(¹)	(¹)	2.4	2.3	2.2
Athens	57.3	58.7	60.9	.1	.1	.1	1.9	2.4	2.6
Atlanta	1,193.5	1,262.6	1,331.0	1.1	1.2	1.5	63.6	71.6	78.4
Augusta	138.0	145.6	150.6	.5	.5	.5	8.4	8.7	9.0
Columbus	86.8	88.9	89.6	.1	.1	.1	5.2	5.2	5.3
Macon-Warner Robins	110.0	113.3	115.7	.2	.2	.1	5.0	5.0	5.1
Savannah	92.4	95.4	99.3	(¹)	(¹)	(¹)	5.4	5.4	7.1
Hawaii	412.7	425.7	437.2	(¹)	(¹)	(¹)	15.8	17.2	19.0
Honolulu	334.4	342.3	350.6	(¹)	(¹)	(¹)	13.1	14.1	15.6
Idaho	330.5	336.0	334.5	4.2	3.8	2.9	14.6	15.1	14.6
Boise City	83.1	85.5	86.6	(²)	(²)	(²)	(¹)	5.4	4.9
Illinois	4,672.3	4,755.3	4,776.9	26.5	27.6	25.2	154.7	171.6	177.7
Aurora-Elgin	123.9	127.4	130.2	(¹)	(¹)	(¹)	3.8	4.4	5.1
Bloomington-Normal	50.8	51.8	52.9	(¹)	(¹)	(¹)	1.2	1.2	1.3
Champaign-Urbana-Rantoul	74.5	77.7	81.1	(¹)	(¹)	(¹)	1.7	2.0	2.1
Chicago	2,810.9	2,933.4	2,948.2	2.2	2.8	3.1	94.8	108.8	111.5
Davenport-Rock Island-Moline	146.8	150.1	152.3	(¹)	(¹)	(¹)	4.7	4.8	4.6
Decatur	49.2	49.8	50.1	(¹)	(¹)	(¹)	1.7	1.6	1.6
Joliet	89.3	92.8	93.7	(¹)	(¹)	(¹)	4.1	4.3	4.3
Kankakee	31.2	32.2	32.4	(¹)	(¹)	(¹)	1.3	1.2	1.1
Lake County	166.0	172.2	174.6	(¹)	(¹)	(¹)	5.5	6.6	6.7
Peoria	129.4	130.5	131.0	(¹)	(¹)	(¹)	5.4	5.4	5.1
Rockford	115.7	121.1	123.4	(¹)	(¹)	(¹)	3.5	3.6	3.6
Springfield	87.9	91.9	94.2	(¹)	(¹)	(¹)	2.6	2.6	2.4
Indiana	2,122.3	2,168.6	2,227.7	10.2	10.1	8.9	79.4	87.0	96.4
Anderson	47.3	48.0	48.4	(²)	(²)	(²)	(¹)	1.3	1.3
Bloomington	46.2	47.3	48.9	(²)	(²)	(²)	(¹)	1.7	1.8
Elkhart-Goshen	86.7	87.5	91.2	(²)	(²)	(²)	(¹)	2.3	2.5
Evansville	119.7	121.6	123.0	2.9	2.8	2.4	6.6	7.0	8.2
Fort Wayne	158.3	166.7	175.4	(²)	(²)	(²)	(¹)	7.3	8.5
Gary-Hammond	215.7	215.3	210.3	(²)	(²)	(²)	(¹)	11.7	11.2
Indianapolis	536.1	554.8	577.0	.9	.9	.8	22.8	25.1	28.3
Kokomo	43.6	44.2	44.3	(²)	(²)	(²)	(¹)	1.1	1.2
Lafayette	58.1	59.5	60.5	(²)	(²)	(²)	(¹)	1.7	2.0
Muncie	46.5	47.6	48.6	(²)	(²)	(²)	(¹)	1.5	1.7
South Bend-Mishawaka	101.5	103.7	106.2	(²)	(²)	(²)	(¹)	4.3	4.6
Terre Haute	50.9	51.5	52.2	.4	.5	.5	1.9	1.7	1.7
Iowa	1,074.7	1,074.2	1,077.0	2.0	2.1	1.9	38.7	36.6	35.9
Cedar Rapids	78.4	80.8	81.9	.2	.2	.2	2.7	2.8	3.0
Des Moines	189.5	193.3	197.0	(¹)	(¹)	(¹)	6.9	7.4	7.4
Dubuque	39.7	40.2	39.6	(¹)	(¹)	(¹)	1.3	1.2	1.2
Iowa City	47.7	48.5	48.9	(¹)	(¹)	(¹)	1.8	1.3	1.3
Sioux City	48.3	48.4	48.6	(¹)	(¹)	(¹)	1.7	1.7	1.7
Waterloo-Cedar Falls	63.4	60.4	57.8	(¹)	(¹)	(¹)	2.1	1.7	1.7
Kansas	960.8	967.9	982.7	17.9	16.7	12.3	43.6	42.3	43.7
Lawrence	28.0	29.3	30.4	(¹)	(¹)	(¹)	1.0	.9	1.1
Topeka	82.4	83.5	83.9	(¹)	(¹)	(¹)	3.3	3.3	3.6
Wichita	200.6	202.2	205.5	3.4	3.2	2.4	9.5	9.4	9.9
Kentucky	1,213.8	1,250.3	1,277.0	45.6	43.7	40.5	50.5	54.0	57.3
Lexington-Fayette	157.5	164.4	168.1	.8	.9	.9	8.1	9.0	10.1
Louisville	398.2	410.8	421.6	.6	.6	.7	18.1	19.2	21.2
Owensboro	31.9	32.5	32.9	1.1	1.1	1.0	1.8	1.9	1.8
Louisiana	1,601.5	1,591.2	1,524.1	81.6	81.2	63.8	118.3	105.2	90.7
Alexandria	44.6	44.9	45.4	.3	.2	.2	2.9	2.9	2.7
Baton Rouge	213.2	216.5	213.4	1.0	1.2	1.0	22.8	22.1	20.1
Houma-Thibodaux	61.7	62.0	55.4	8.0	8.4	6.5	3.2	2.6	1.8
Lafayette	98.5	98.8	88.5	17.0	16.8	12.3	5.5	5.3	3.8
Lake Charles	60.2	59.0	57.7	2.3	2.1	1.4	4.2	4.3	5.5
Monroe	54.7	56.1	55.4	.6	.6	.5	3.5	3.6	3.2
New Orleans	545.1	533.5	520.2	19.7	19.3	16.8	34.7	27.8	25.5
Shreveport	141.6	142.5	134.7	5.2	4.8	3.8	8.6	8.6	7.7
Maine	445.7	458.4	477.1	.2	.1	.1	20.4	23.4	26.8
Lewiston-Auburn	36.5	36.8	37.8	(¹)	(¹)	(¹)	1.5	1.7	1.8
Portland	102.0	108.8	116.3	(¹)	(¹)	(¹)	5.2	6.0	7.1

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Georgia	546.5	557.1	564.6	156.5	163.0	166.5	602.4	643.0	669.6
Albany	10.3	10.6	9.1	2.5	2.5	2.2	11.4	12.1	12.3
Athens	15.3	14.7	15.2	1.6	1.7	1.7	11.9	12.3	12.4
Atlanta	175.3	185.6	192.2	100.4	104.8	108.4	337.6	350.7	368.0
Augusta	36.0	36.8	36.2	4.6	5.0	5.0	28.6	31.0	32.4
Columbus	21.6	20.9	19.9	3.3	3.3	3.4	18.5	19.3	19.4
Macon-Warner Robins	19.7	19.4	19.1	4.6	4.9	5.0	23.5	24.9	25.0
Savannah	15.9	15.8	16.6	9.5	9.9	9.8	22.5	23.7	23.8
Hawaii	21.9	21.9	22.1	32.0	33.2	34.0	111.4	115.6	116.7
Honolulu	15.8	15.9	16.2	26.4	27.1	27.8	89.6	91.9	91.7
Idaho	54.8	54.7	52.2	19.1	19.2	18.6	83.0	84.4	83.9
Boise City	10.3	10.6	10.2	5.3	5.5	5.5	21.3	22.3	22.1
Illinois	997.0	970.7	925.2	278.3	280.9	277.6	1,148.1	1,166.9	1,184.7
Aurora-Elgin	38.3	37.4	35.6	3.3	3.5	4.7	33.7	34.5	35.8
Bloomington-Normal	5.1	4.5	4.6	3.3	3.3	3.0	12.4	12.6	12.5
Champaign-Urbana-Rantoul	7.2	7.1	7.5	2.4	2.4	2.2	18.1	19.0	19.1
Chicago	592.3	576.4	548.7	174.7	184.5	187.3	678.9	725.3	731.8
Davenport-Rock Island-Moline	33.8	32.6	32.0	8.0	8.0	8.2	39.2	41.2	42.2
Decatur	15.6	14.9	14.3	3.9	4.4	4.5	10.6	10.8	11.1
Joliet	19.8	19.4	19.5	8.6	8.9	8.7	20.1	21.7	22.3
Kankakee	5.1	5.1	5.3	1.3	1.5	1.5	7.8	8.1	8.1
Lake County	41.0	41.7	40.1	5.4	6.1	6.3	42.4	43.4	45.1
Peoria	34.8	32.3	31.4	6.6	6.5	6.6	32.0	33.1	32.8
Rockford	45.1	45.5	45.4	4.5	4.5	4.5	25.5	27.2	28.2
Springfield	4.9	4.4	3.9	4.2	4.6	4.7	18.2	18.8	19.4
Indiana	620.5	609.8	602.8	105.6	109.3	112.5	488.6	505.9	526.2
Anderson	19.2	19.1	18.5	1.2	1.2	1.4	10.0	10.3	10.6
Bloomington	8.4	7.6	8.0	1.6	1.6	1.7	10.0	10.7	11.3
Elkhart-Goshen	47.5	47.1	48.6	2.7	2.8	2.8	16.1	16.3	17.4
Evansville	32.2	31.5	30.6	6.4	6.5	6.5	29.8	30.3	30.6
Fort Wayne	45.0	46.7	48.4	10.3	10.9	11.4	38.9	41.1	42.9
Gary-Hammond	65.6	60.4	53.8	13.1	13.7	13.7	48.7	49.0	49.9
Indianapolis	111.1	108.0	107.0	30.9	32.6	34.3	136.6	142.1	147.7
Kokomo	20.7	20.8	19.7	1.4	1.4	1.4	8.7	9.0	9.4
Lafayette	11.3	11.4	11.2	1.8	1.7	1.6	12.0	12.5	12.5
Muncie	11.3	11.1	10.8	2.0	2.2	2.2	11.3	11.6	12.0
South Bend-Mishawaka	25.0	24.5	23.8	4.3	4.4	4.7	26.5	27.1	27.6
Terre Haute	10.5	10.5	10.7	2.6	2.5	2.6	13.9	14.0	14.0
Iowa	211.9	204.7	201.3	51.5	52.0	51.8	277.1	276.6	276.7
Cedar Rapids	21.4	21.7	22.3	3.7	3.9	4.1	19.7	20.3	20.2
Des Moines	23.5	22.7	21.9	11.2	11.9	11.8	50.4	51.3	51.7
Dubuque	11.9	12.0	10.7	1.8	1.7	1.6	8.9	9.0	9.2
Iowa City	3.8	3.8	3.7	1.0	1.1	1.1	9.1	9.3	9.1
Sioux City	9.5	9.8	10.0	3.4	3.2	3.3	12.7	12.6	12.2
Waterloo-Cedar Falls	16.5	13.9	11.2	2.2	2.0	1.8	14.6	14.3	14.2
Kansas	176.4	174.4	175.4	64.1	63.9	62.3	239.4	243.3	246.7
Lawrence	4.2	4.3	4.5	1.3	1.3	1.3	6.1	6.5	6.7
Topeka	9.5	9.5	9.2	7.4	7.2	6.8	18.5	18.8	18.7
Wichita	54.5	53.8	55.1	9.9	9.8	9.8	47.9	49.5	49.6
Kentucky	257.4	255.3	253.2	65.2	66.6	67.3	282.1	297.0	302.5
Lexington-Fayette	29.3	29.9	28.0	7.5	7.6	7.7	36.4	38.5	39.4
Louisville	89.5	87.0	86.2	23.5	25.1	25.8	97.7	102.2	103.7
Owensboro	6.2	6.1	5.8	2.2	2.3	2.3	8.1	8.3	8.4
Louisiana	182.4	178.0	166.7	118.6	116.0	107.9	383.6	383.3	370.2
Alexandria	3.4	3.4	3.3	2.2	2.3	2.4	10.9	10.7	10.6
Baton Rouge	21.6	20.7	19.1	10.4	10.4	10.4	51.7	52.6	52.2
Houma-Thibodaux	5.4	5.4	5.0	7.5	7.6	6.3	15.3	15.3	13.9
Lafayette	6.2	6.3	5.9	7.2	7.3	6.9	25.8	25.7	23.7
Lake Charles	9.7	9.2	8.7	4.4	4.2	3.8	14.8	14.7	14.0
Monroe	7.3	7.3	7.4	2.7	2.9	2.8	15.0	15.5	15.2
New Orleans	47.7	45.8	43.7	48.0	46.2	43.4	140.6	139.1	137.3
Shreveport	22.5	22.3	19.0	9.0	8.9	8.5	33.9	33.9	31.9
Maine	110.6	105.9	103.9	19.1	19.3	19.3	101.3	108.0	115.3
Lewiston-Auburn	11.3	10.5	10.1	1.3	1.4	1.4	8.4	8.5	9.0
Portland	16.1	16.4	16.6	5.6	5.7	5.9	29.5	31.8	34.0

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Georgia	128.3	136.8	145.3	433.7	469.3	505.7	442.0	448.7	458.6
Albany	2.3	2.4	2.4	6.9	7.5	7.9	11.5	11.9	12.3
Athens	1.7	1.8	2.0	7.9	8.2	8.9	16.9	17.4	18.0
Atlanta	82.4	88.9	94.4	258.7	281.7	304.6	174.3	178.0	183.5
Augusta	5.1	5.2	5.7	21.6	26.5	29.2	33.2	31.9	32.7
Columbus	5.7	5.8	6.1	13.2	14.2	15.2	19.2	20.0	20.1
Macon-Warner Robins	6.6	6.8	7.3	18.6	19.5	20.4	32.0	32.6	33.7
Savannah	4.1	4.2	4.4	18.9	20.0	22.4	16.0	16.4	15.2
Hawaii	31.9	31.9	32.9	107.9	112.6	118.7	91.8	93.3	93.8
Honolulu	27.2	27.0	27.8	84.5	87.3	92.3	77.8	79.0	79.2
Idaho	23.5	23.6	23.8	62.5	65.0	67.5	68.9	70.2	71.0
Boise City	8.0	8.2	8.6	16.7	17.5	18.7	16.0	16.0	16.6
Illinois	322.2	339.1	346.7	1,057.6	1,100.8	1,126.3	687.9	697.8	713.7
Aurora-Elgin	6.6	6.7	6.8	24.2	26.7	27.7	14.0	14.2	14.4
Bloomington-Normal	8.6	8.8	9.2	9.9	10.8	11.2	10.4	10.6	11.1
Champaign-Urbana-Rantoul	2.7	2.8	3.2	12.5	13.5	14.5	29.9	30.9	32.4
Chicago	231.0	242.7	250.6	698.8	741.8	758.5	338.3	351.1	356.6
Davenport-Rock Island-Moline	7.1	7.5	7.9	27.0	28.9	30.2	26.9	27.1	27.3
Decatur	2.7	2.8	2.8	9.2	9.8	10.3	5.4	5.3	5.4
Joliet	3.5	3.7	3.8	17.6	19.0	19.2	15.3	15.6	15.8
Kankakee	1.5	1.6	1.6	7.2	8.0	8.1	7.2	6.7	6.6
Lake County	6.1	5.9	6.5	35.0	37.9	40.2	29.9	29.8	29.0
Peoria	6.6	6.8	6.9	28.7	31.0	32.2	15.3	15.4	16.0
Rockford	4.5	4.9	5.4	21.1	23.3	24.3	11.5	12.0	12.1
Springfield	7.7	7.7	7.8	20.2	22.6	24.2	30.1	31.1	31.7
Indiana	103.3	105.5	110.5	386.6	408.1	427.9	328.1	332.9	342.6
Anderson	1.6	1.6	1.6	8.6	8.8	9.2	5.5	5.7	5.8
Bloomington	1.4	1.6	1.6	6.7	7.2	7.6	16.6	16.8	16.9
Elkhart-Goshen	2.2	2.3	2.3	11.0	11.6	12.3	5.0	5.1	5.3
Evansville	4.6	4.7	4.9	26.2	27.3	28.1	11.0	11.5	11.7
Fort Wayne	10.5	10.8	11.6	30.8	33.0	35.3	16.6	16.9	17.3
Gary-Hammond	8.1	7.8	8.0	40.8	42.7	43.6	29.3	30.0	30.1
Indianapolis	39.7	40.9	43.1	110.8	119.6	127.8	83.3	85.5	88.0
Kokomo	1.3	1.3	1.3	5.3	5.6	6.0	5.1	5.0	5.3
Lafayette	2.6	2.7	2.9	9.9	10.4	10.9	18.9	19.1	19.4
Muncie	1.5	1.6	1.6	8.9	9.5	9.9	10.2	10.2	10.4
South Bend-Mishawaka	4.9	5.1	5.5	26.3	27.6	29.0	10.3	10.7	11.0
Terre Haute	1.7	1.7	1.8	10.0	10.5	10.7	9.9	10.1	10.2
Iowa	61.8	62.8	62.9	227.0	232.5	238.5	204.5	206.8	208.0
Cedar Rapids	4.6	4.9	4.7	16.4	17.3	17.8	9.7	9.8	9.8
Des Moines	23.8	24.6	25.4	45.2	46.7	49.5	28.4	28.8	29.3
Dubuque	1.4	1.4	1.4	10.9	11.4	12.0	3.5	3.5	3.4
Iowa City	1.3	1.4	1.5	6.8	7.4	7.6	23.8	24.3	24.4
Sioux City	2.5	2.6	2.6	12.1	12.2	12.6	6.2	6.3	6.3
Waterloo-Cedar Falls	3.2	3.1	3.2	13.3	13.5	13.8	11.5	11.7	11.8
Kansas	51.3	52.8	54.2	182.8	185.8	193.2	185.2	188.7	195.0
Lawrence .....	.9	.9	1.0	4.4	5.0	5.2	10.1	10.4	10.6
Topeka	5.8	5.8	5.9	17.7	18.2	18.8	20.1	20.6	20.8
Wichita	10.2	10.5	10.8	40.8	41.3	42.8	24.4	24.7	25.1
Kentucky	55.1	56.9	59.5	234.8	246.8	259.3	223.0	230.0	237.4
Lexington-Fayette	7.8	8.2	8.8	34.2	36.8	39.0	33.4	33.5	34.2
Louisville	25.8	26.6	27.5	86.8	91.7	97.0	56.2	58.3	59.5
Owensboro	1.2	1.2	1.4	6.6	6.9	7.3	4.7	4.7	4.9
Louisiana	83.9	85.4	85.6	314.5	320.0	318.4	318.6	322.4	320.8
Alexandria	2.5	2.6	2.6	9.8	10.0	10.9	12.7	12.9	12.7
Baton Rouge	13.1	13.7	13.7	39.2	41.1	41.4	53.4	54.6	55.7
Houma-Thibodaux	2.5	2.6	2.6	9.2	9.1	8.5	10.7	11.1	11.0
Lafayette	4.2	4.2	4.1	19.6	20.2	18.8	13.0	13.1	13.1
Lake Charles	2.8	2.7	2.7	11.2	11.0	10.8	10.9	10.8	10.7
Monroe	4.0	4.3	4.5	10.6	11.0	11.1	11.0	10.9	10.8
New Orleans	33.3	33.4	33.8	132.1	132.4	133.0	89.2	89.5	86.7
Shreveport	7.9	7.9	7.8	30.0	30.7	31.3	24.5	25.4	24.9
Maine	19.6	20.9	22.7	90.6	95.8	101.9	83.9	84.9	87.1
Lewiston-Auburn	1.7	1.9	2.0	8.8	9.2	9.7	3.5	3.6	3.9
Portland	8.8	9.6	10.9	23.3	25.3	27.0	13.5	14.0	14.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Maryland	1,814.0	1,887.8	1,950.8	1.7	1.7	1.6	116.0	128.8	138.8
Baltimore MSA	994.0	1,024.4	1,051.7	.2	.2	.2	55.1	61.4	65.8
Baltimore City	449.3	454.5	453.6	(¹)	(¹)	(¹)	17.5	18.7	17.8
Suburban Maryland-D.C.	624.6	663.2	690.3	.5	.5	.4	49.1	54.8	59.7
Massachusetts	2,851.8	2,926.0	2,980.7	1.2	1.5	1.8	96.4	109.4	120.8
Boston	1,608.0	1,642.4	1,675.9	.5	.6	.8	51.1	57.4	63.2
Brockton	65.4	68.4	70.5	(¹)	(¹)	(¹)	2.5	3.0	3.8
Fall River	53.9	54.4	55.1	(¹)	(¹)	(¹)	1.6	1.8	2.1
Fitchburg-Leominster	38.5	39.2	39.7	(¹)	(¹)	(¹)	1.6	2.0	2.0
Lawrence-Haverhill	148.2	157.0	158.9	(¹)	(¹)	(¹)	8.5	9.9	9.6
Lowell	97.9	102.5	104.0	.2	.3	.2	3.6	4.3	4.9
New Bedford	65.7	66.6	65.5	(¹)	(¹)	(¹)	2.1	2.3	2.9
Pittsfield	38.8	40.9	42.4	(¹)	.1	.1	1.3	1.6	1.9
Springfield	222.2	225.7	230.2	.1	.1	.1	6.4	7.5	8.3
Worcester	177.0	183.8	190.4	.2	.1	.1	6.2	7.4	8.4
Michigan	3,381.0	3,561.5	3,639.2	10.0	9.9	10.1	92.7	107.8	115.3
Ann Arbor	143.4	150.2	158.1	(¹)	(¹)	(¹)	3.3	3.8	5.1
Battle Creek	53.0	54.2	54.9	(¹)	(¹)	(¹)	1.4	1.4	1.5
Benton Harbor	57.7	60.3	62.0	(¹)	(¹)	(¹)	1.3	1.3	1.4
Detroit	1,679.2	1,790.1	1,840.6	.9	.9	.9	43.2	52.6	60.8
Flint	170.3	174.8	179.3	(¹)	.1	(¹)	3.9	5.0	5.4
Grand Rapids	283.2	292.4	300.3	(¹)	(¹)	(¹)	10.4	11.7	13.7
Jackson	47.3	48.1	49.3	(¹)	(¹)	(¹)	1.0	1.2	1.2
Kalamazoo	94.8	97.6	101.3	(¹)	(¹)	(¹)	2.6	2.9	3.1
Lansing-East Lansing	181.1	191.7	197.3	(¹)	(¹)	(¹)	4.1	4.9	5.6
Muskegon	53.7	56.2	56.1	(¹)	(¹)	(¹)	1.8	2.2	2.0
Saginaw-Bay City-Midland	142.9	147.9	151.2	(¹)	(¹)	(¹)	6.0	5.5	6.0
Minnesota	1,819.8	1,864.8	1,891.1	9.4	8.3	6.5	67.6	71.3	74.6
Duluth	84.1	83.1	82.7	5.7	5.0	3.7	2.6	2.8	3.3
Minneapolis-St. Paul	1,175.6	1,211.0	1,230.7	(¹)	(¹)	(¹)	43.0	46.7	49.4
Rochester	54.2	55.1	55.2	(²)	(²)	(²)	1.8	1.9	1.8
St. Cloud	60.6	62.4	65.5	(²)	(²)	(²)	2.9	3.2	3.3
Mississippi	820.8	838.9	849.0	9.1	8.9	6.9	37.1	36.7	35.7
Jackson	160.4	165.7	170.3	1.7	1.6	1.2	8.0	8.2	8.7
Missouri	2,032.7	2,094.7	2,131.8	6.1	6.3	5.7	85.7	92.9	98.1
Kansas City	676.2	703.0	715.4	.6	.6	.5	28.0	32.3	34.8
St. Joseph	35.8	36.1	35.7	(¹)	(¹)	(¹)	1.3	1.4	1.4
St. Louis	1,046.7	1,068.9	1,093.9	3.6	3.8	3.6	50.1	53.8	56.4
Springfield	95.7	99.2	102.6	.1	.1	.1	3.5	4.1	4.2
Montana	281.1	279.1	276.1	7.7	6.8	5.9	12.6	11.5	10.3
Nebraska	635.4	650.5	653.9	1.9	1.9	1.9	25.8	26.1	24.7
Lincoln	101.0	106.4	107.7	(¹)	(¹)	(¹)	3.9	4.0	3.9
Omaha	280.7	289.6	291.7	.3	.3	.2	11.5	12.7	12.3
Nevada	426.0	446.4	468.6	6.6	6.1	6.3	21.8	23.9	27.4
Las Vegas	239.2	246.6	262.5	.3	.2	.3	13.3	14.3	16.5
Reno	118.1	121.7	126.4	.7	.7	.7	5.4	6.0	6.9
New Hampshire	441.5	466.0	488.7	.4	.4	.6	25.2	30.9	34.5
Nashua	79.9	83.9	86.8	.1	.1	.1	3.2	3.8	4.5
Portsmouth-Dover-Rochester,NH-ME ..	(¹)	98.9	103.9	(¹)	.1	.1	(¹)	4.4	5.2
New Jersey	3,329.2	3,414.3	3,486.9	2.1	2.2	2.2	131.3	141.0	153.5
Atlantic City	145.7	150.5	157.8	(¹)	(¹)	(¹)	7.5	7.7	9.3
Bergen-Passaic	626.5	635.5	645.5	.2	.2	.1	23.9	26.3	28.6
Camden	379.0	395.1	407.8	.1	.1	.1	16.2	18.5	20.1
Jersey City	228.6	232.3	237.0	(¹)	(¹)	(¹)	5.2	5.7	6.4
Middlesex-Somerset-Hunterdon	458.2	478.7	491.8	.6	.6	.6	18.3	20.1	21.8
Monmouth-Ocean	281.4	294.6	307.2	(¹)	(¹)	(¹)	15.0	16.8	18.8
Newark	921.8	936.7	943.4	.7	.7	.7	30.6	32.8	35.6
Trenton	172.6	179.5	188.1	(¹)	(¹)	(¹)	3.6	4.2	4.6
Vineland-Millville-Bridgeton	51.8	52.7	54.2	.3	.3	.3	1.8	1.8	2.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Maryland	219.4	217.2	209.8	89.2	90.5	90.9	451.5	473.5	496.6
Baltimore MSA	142.8	140.6	133.4	58.9	57.2	54.8	238.6	246.7	257.8
Baltimore City	54.8	52.5	47.6	33.8	31.2	27.8	95.6	97.0	96.5
Suburban Maryland-D.C.	34.2	35.1	35.4	17.7	21.0	23.7	165.5	175.1	184.9
Massachusetts	672.0	654.3	618.6	123.3	125.4	125.0	656.4	681.4	703.1
Boston	321.9	310.8	294.1	74.7	73.3	73.0	358.9	366.4	376.2
Brockton	12.6	12.1	11.6	4.5	4.9	5.1	18.7	19.9	20.8
Fall River	19.2	18.3	17.4	1.7	1.7	1.7	12.3	13.4	14.2
Fitchburg-Leominster	14.0	13.6	13.2	1.6	1.5	1.5	8.8	9.2	9.9
Lawrence-Haverhill	52.8	55.3	52.2	5.6	6.2	6.6	30.6	32.1	34.7
Lowell	39.9	39.6	37.9	3.4	3.6	3.3	19.7	21.3	21.8
New Bedford	24.3	23.0	20.8	2.4	2.7	3.1	14.4	15.1	15.1
Pittsfield	11.8	12.2	12.0	.9	1.0	1.0	9.7	10.4	11.0
Springfield	55.8	53.7	51.9	8.5	8.7	8.9	50.5	52.7	53.9
Worcester	48.4	47.5	45.8	7.7	8.2	8.2	40.9	43.7	46.9
Michigan	962.8	1,002.4	998.3	140.2	145.9	147.8	745.8	792.0	813.6
Ann Arbor	36.8	37.9	38.5	3.7	4.3	4.7	22.4	23.6	25.2
Battle Creek	14.8	14.7	15.0	1.8	1.8	1.8	9.5	10.2	10.4
Benton Harbor	20.0	20.9	21.5	2.5	2.6	2.5	11.4	11.8	11.9
Detroit	469.5	493.4	491.8	75.9	80.9	82.9	384.9	410.3	423.6
Flint	65.7	65.3	65.8	4.9	4.8	4.7	39.3	41.3	42.6
Grand Rapids	95.1	95.1	94.5	10.7	10.9	10.8	69.0	73.0	74.9
Jackson	12.1	12.4	12.8	4.7	4.3	4.1	10.1	10.8	10.9
Kalamazoo	28.3	29.0	29.2	3.0	3.2	3.3	20.6	21.3	22.6
Lansing-East Lansing	35.5	38.8	38.2	5.3	5.7	5.4	34.7	37.5	38.9
Muskegon	18.7	18.8	18.1	2.8	2.7	2.7	10.9	11.7	12.1
Saginaw-Bay City-Midland	45.8	47.1	45.5	7.3	7.2	7.1	31.5	33.4	34.4
Minnesota	373.8	375.3	369.0	96.9	98.3	97.5	455.8	465.6	470.5
Duluth	6.6	7.0	7.2	6.5	6.1	5.7	21.8	21.6	21.7
Minneapolis-St. Paul	257.8	257.5	251.3	65.2	67.1	66.9	288.2	297.2	302.7
Rochester	10.9	11.2	10.8	1.9	1.9	1.7	11.3	11.3	11.3
St. Cloud	10.9	10.8	11.4	3.7	3.6	3.7	17.1	18.3	19.7
Mississippi	218.7	221.6	222.9	39.1	39.7	39.4	173.6	177.5	182.9
Jackson	19.8	20.2	20.1	10.4	10.9	11.0	39.3	40.0	41.6
Missouri	433.8	430.3	422.2	136.6	139.1	140.5	488.5	505.7	507.9
Kansas City	119.6	120.9	118.3	52.1	53.7	54.8	175.5	181.0	180.5
St. Joseph	8.9	9.2	9.1	2.1	2.1	2.1	8.8	8.8	8.7
St. Louis	227.8	224.3	221.4	73.3	72.5	73.6	245.9	255.4	259.7
Springfield	19.8	19.4	20.2	6.1	6.4	6.5	26.3	27.4	27.8
Montana	22.5	21.8	21.2	20.8	20.7	20.4	75.9	74.6	72.5
Nebraska	90.5	88.4	85.8	43.2	43.9	42.9	163.6	169.0	168.7
Lincoln	12.4	13.0	12.8	6.2	6.0	6.0	22.6	24.4	25.0
Omaha	36.5	33.5	32.2	22.9	23.4	22.8	71.9	74.7	75.1
Nevada	21.0	21.9	22.2	24.9	25.3	26.6	85.9	90.9	94.8
Las Vegas	7.5	7.8	8.1	14.2	14.4	15.0	48.9	52.2	54.8
Reno	8.1	8.3	8.2	7.8	7.9	8.6	26.2	27.4	28.5
New Hampshire	123.4	122.5	118.1	15.5	15.7	16.7	104.6	111.7	120.6
Nashua	37.0	37.3	35.7	2.2	2.1	2.2	16.1	17.3	19.2
Portsmouth-Dover-Rochester,NH-ME	(¹)	20.9	20.5	(¹)	2.5	2.7	(¹)	25.3	27.2
New Jersey	726.8	713.0	692.8	219.4	226.0	229.8	787.3	813.2	832.8
Atlantic City	8.3	8.3	8.2	5.9	6.0	6.0	33.1	33.5	34.1
Bergen-Passaic	169.2	167.1	162.8	30.1	29.4	28.6	177.2	179.9	184.0
Camden	74.2	75.8	75.5	16.7	16.7	17.2	100.7	105.5	107.7
Jersey City	58.5	54.9	52.5	28.6	29.7	30.5	51.1	53.9	56.8
Middlesex-Somerset-Hunterdon	114.7	112.9	112.4	34.8	38.3	39.4	109.9	116.6	118.9
Monmouth-Ocean	32.3	31.7	30.6	13.1	14.2	15.4	77.2	81.0	85.3
Newark	204.0	199.4	187.4	80.0	79.3	80.2	186.6	190.7	193.4
Trenton	32.9	31.7	31.7	5.5	5.8	6.1	28.1	29.1	30.4
Vineland-Millville-Bridgeton	15.2	14.7	15.1	2.0	2.1	2.1	9.9	10.6	10.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Maryland	103.8	109.7	117.4	444.5	472.8	503.5	387.9	393.6	392.2
Baltimore MSA	63.6	66.7	71.6	235.3	248.5	263.5	199.5	203.1	204.6
Baltimore City	40.7	42.3	44.5	121.2	125.7	131.7	85.7	87.1	87.7
Suburban Maryland-D.C.	33.6	35.7	38.2	172.1	185.4	195.9	151.9	155.6	152.1
Massachusetts	179.0	188.1	203.4	752.3	784.7	820.3	371.4	381.3	387.8
Boston	122.5	128.5	140.0	489.8	512.8	533.3	188.5	192.6	195.3
Brockton	2.6	2.9	2.9	13.2	14.3	14.6	11.3	11.3	11.7
Fall River	2.7	2.7	2.7	9.8	10.2	10.5	6.5	6.4	6.3
Fitchburg-Leominster	1.3	1.4	1.6	6.8	6.9	7.1	4.4	4.4	4.5
Lawrence-Haverhill	5.1	5.4	5.9	27.7	29.5	30.8	17.9	18.7	19.1
Lowell	3.0	3.5	4.0	15.7	17.3	19.1	12.4	12.7	12.9
New Bedford	2.3	2.5	2.5	10.9	11.4	11.8	9.4	9.4	9.3
Pittsfield	2.1	2.1	2.1	8.6	8.9	9.7	4.4	4.6	4.6
Springfield	14.0	14.5	15.5	50.5	52.5	54.5	36.4	36.1	37.0
Worcester	10.8	11.5	12.4	41.0	42.9	45.4	21.9	22.5	23.0
Michigan	154.4	163.3	170.6	708.0	759.5	786.9	567.2	580.7	596.6
Ann Arbor	4.1	4.2	4.3	27.0	29.1	31.7	45.8	47.2	48.5
Battle Creek	3.6	3.7	3.7	10.5	11.2	11.2	11.3	11.1	11.4
Benton Harbor	2.1	2.2	2.4	12.5	13.0	13.9	8.0	8.5	8.4
Detroit	89.8	95.3	99.0	391.1	427.8	447.1	224.0	228.9	234.5
Flint	5.7	5.8	6.1	28.0	29.9	31.6	22.8	22.9	23.0
Grand Rapids	11.3	12.5	13.3	57.7	59.3	62.1	28.7	29.4	30.6
Jackson	1.6	1.5	1.6	9.3	9.4	9.4	8.4	8.4	9.1
Kalamazoo	3.8	4.1	4.5	21.4	21.5	22.5	15.1	15.5	16.0
Lansing-East Lansing	9.8	10.4	10.8	31.1	32.3	34.7	60.1	61.7	63.2
Muskegon	1.3	1.4	1.4	10.3	10.9	11.1	7.9	8.4	8.7
Saginaw-Bay City-Midland	5.6	5.9	6.1	27.5	29.3	30.5	19.0	19.4	21.3
Minnesota	106.1	110.3	116.3	416.6	434.4	447.8	293.7	301.2	309.1
Duluth	2.9	3.1	3.2	19.6	19.5	19.8	18.4	18.2	18.2
Minneapolis-St. Paul	80.9	84.3	89.6	281.3	295.8	304.0	158.2	161.6	166.2
Rochester	1.5	1.5	1.6	21.6	21.7	22.3	5.2	5.6	5.8
St. Cloud	2.1	2.2	2.4	11.7	12.9	13.1	11.4	11.5	11.9
Mississippi	34.2	35.6	37.3	125.8	130.6	134.1	183.2	188.5	189.8
Jackson	12.2	12.9	13.5	33.0	34.7	36.1	36.0	37.2	38.1
Missouri	116.2	121.9	129.3	444.1	464.5	489.0	321.8	334.1	339.2
Kansas City	49.7	52.9	56.1	150.2	156.8	161.2	100.5	104.9	109.1
St. Joseph	2.0	2.0	1.9	7.4	7.0	6.9	5.4	5.6	5.6
St. Louis	62.4	65.9	70.3	247.3	256.7	272.2	136.2	136.4	136.7
Springfield	4.4	4.7	5.1	23.3	24.6	26.0	12.2	12.5	12.8
Montana	13.4	13.3	13.0	59.6	60.6	62.4	68.7	69.9	70.4
Nebraska	43.4	45.4	47.1	135.9	142.1	146.6	131.1	133.8	136.2
Lincoln	7.3	7.6	7.7	20.3	21.5	22.2	28.3	29.9	30.2
Omaha	25.4	27.0	28.6	70.1	74.8	77.1	42.1	43.3	43.3
Nevada	20.0	21.4	22.5	186.9	196.4	207.3	58.9	60.5	61.5
Las Vegas	11.6	12.6	13.4	115.3	115.8	123.6	28.1	29.3	30.8
Reno	6.4	6.4	6.8	46.8	48.3	51.1	16.7	16.7	15.6
New Hampshire	23.4	25.5	28.4	91.5	99.3	107.8	57.5	60.0	62.0
Nashua	2.5	2.7	3.2	13.4	14.9	15.9	5.4	5.7	6.0
Portsmouth-Dover-Rochester,NH-ME	(¹)	5.1	5.7	(¹)	16.5	18.3	(¹)	24.1	24.2
New Jersey	183.0	194.9	208.9	757.3	792.8	831.2	522.1	531.1	535.7
Atlantic City	6.5	6.8	6.7	60.5	64.1	68.0	23.9	24.2	25.4
Bergen-Passaic	30.8	32.4	34.3	128.6	135.3	141.3	66.5	65.0	65.5
Camden	18.9	20.2	21.8	83.9	89.6	94.1	68.3	68.8	71.3
Jersey City	8.4	9.0	10.0	36.7	38.3	40.7	40.0	40.7	40.3
Middlesex-Somerset-Hunterdon	25.6	29.0	32.6	85.7	92.3	95.4	68.6	69.0	70.6
Monmouth-Ocean	13.8	15.2	16.6	72.8	77.1	80.6	57.0	58.5	59.7
Newark	67.4	70.0	73.1	220.8	229.4	238.5	131.7	134.5	134.4
Trenton	8.2	8.7	8.8	45.9	49.0	53.4	48.2	51.1	53.1
Vineland-Millville-Bridgeton	2.7	2.7	2.8	8.8	9.3	9.6	11.1	11.2	11.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
New Mexico	502.8	520.7	527.9	21.6	21.0	16.3	36.6	37.5	35.3
Albuquerque	208.4	220.3	226.7	.3	.2	.2	15.5	17.7	17.0
Las Cruces	35.2	36.8	40.4	(¹)	.1	.1	2.5	2.5	2.6
Santa Fe	48.0	50.7	53.0	.2	.1	.1	3.5	3.4	3.2
New York	7,572.3	7,750.8	7,905.6	6.8	6.6	5.9	255.2	285.6	308.6
Albany-Schenectady-Troy	370.7	381.9	392.5	.2	.3	.3	13.5	15.3	17.0
Binghamton	116.1	118.3	117.4	(¹)	(¹)	(¹)	4.4	5.0	5.1
Buffalo	404.1	413.2	421.6	.6	.5	.4	13.2	14.9	15.1
Elmira	34.8	34.8	35.8	(¹)	(¹)	(¹)	1.0	1.1	1.5
Glens Falls	40.9	42.2	44.5	(¹)	(¹)	(¹)	1.4	1.6	1.9
Nassau-Suffolk	1,032.0	1,068.0	1,102.5	.2	.3	.2	45.1	50.6	55.2
New York PMSA	3,919.6	3,991.3	4,055.4	1.7	1.8	1.4	118.6	133.5	144.8
New York City	3,434.9	3,488.1	3,539.0	1.4	1.2	.8	94.5	106.3	113.0
Niagara Falls	77.0	78.3	78.2	(¹)	(¹)	(¹)	2.8	2.8	2.8
Orange County	87.7	92.3	96.4	(¹)	(¹)	(¹)	3.0	3.6	4.2
Poughkeepsie	110.9	114.6	115.5	(²)	(²)	(²)	(¹)	(¹)	5.9
Rochester	436.3	451.1	454.7	.7	.7	.8	13.3	15.1	16.3
Rockland County	90.5	93.5	95.6	(²)	(²)	(²)	(¹)	4.1	4.7
Syracuse	277.8	287.8	292.2	.3	.3	.2	15.1	15.8	15.2
Utica-Rome	116.5	117.0	118.8	.1	.1	.1	3.1	3.4	3.6
Westchester County	379.7	393.7	403.5	.1	.3	.3	19.8	22.0	25.9
North Carolina	2,565.2	2,651.2	2,731.7	4.6	4.8	4.7	132.6	149.2	157.3
Asheville	73.1	75.4	76.1	.1	.1	.1	3.1	3.8	3.9
Charlotte-Gastonia-Rock Hill	502.9	522.8	543.0	.3	.3	.3	27.5	29.5	31.3
Greensboro-Winston-Salem-High Point	424.1	438.5	447.7	.3	.3	.3	19.9	23.0	24.2
Raleigh-Durham	327.7	355.2	368.8	.3	.3	.3	20.2	23.8	23.9
North Dakota	252.5	251.5	248.9	7.5	6.9	4.7	13.7	11.7	10.8
Bismarck	35.6	35.9	36.0	.2	.2	.2	1.8	1.6	1.5
Fargo-Moorhead	65.3	66.6	67.9	(¹)	(¹)	(¹)	3.3	3.3	3.3
Grand Forks	27.2	28.0	28.6	(¹)	(¹)	(¹)	1.2	1.4	1.5
Ohio	4,260.2	4,372.9	4,475.2	27.8	26.1	22.7	144.8	154.0	160.8
Akron	252.2	257.6	260.0	.8	.8	.7	7.6	8.2	8.7
Canton	149.1	151.5	151.8	1.3	1.2	1.1	4.9	5.3	5.4
Cincinnati	600.8	628.1	651.2	.4	.4	.4	21.9	23.5	26.2
Cleveland	854.5	868.7	880.8	1.3	1.2	1.1	27.6	27.5	25.9
Columbus	576.4	603.6	630.4	1.1	1.0	.9	19.2	21.9	24.2
Dayton-Springfield	392.7	408.9	420.9	.3	.4	.4	12.1	13.5	15.0
Toledo	257.0	264.5	273.0	.2	.2	.2	7.9	8.5	9.6
Youngstown-Warren	182.5	184.2	188.2	.7	.7	.6	5.5	6.3	6.8
Oklahoma	1,180.3	1,165.3	1,139.6	72.0	65.4	55.1	52.3	45.1	40.0
Enid	25.7	24.2	22.6	2.1	1.9	1.4	1.3	.9	.8
Lawton	33.1	33.6	33.5	.3	.3	.2	1.3	1.4	1.3
Oklahoma City	434.6	424.4	411.9	19.5	16.9	13.3	19.5	16.3	13.9
Tulsa	301.8	305.2	300.3	21.1	20.0	17.7	15.0	13.5	12.3
Oregon	1,006.9	1,030.0	1,056.5	1.6	1.5	1.4	30.2	33.1	34.1
Eugene-Springfield	96.3	96.9	99.1	.2	.2	.2	2.8	2.9	3.0
Portland	506.8	518.9	528.6	.6	.6	.6	16.1	17.8	18.8
Salem	85.2	88.7	91.0	(¹)	.1	.1	2.6	2.9	2.9
Pennsylvania	4,654.8	4,730.3	4,794.5	38.6	36.3	33.6	175.8	187.1	202.4
Allentown-Bethlehem	260.9	263.5	263.5	.4	.5	.5	8.8	9.7	10.9
Altoona	48.1	48.8	49.2	(²)	(²)	(²)	2.0	2.4	2.5
Beaver County	55.7	53.0	50.9	(²)	(²)	(²)	3.0	3.4	3.7
Erie	107.9	109.6	109.4	.2	.3	.3	3.0	3.1	3.2
Harrisburg-Lebanon-Carlisle	268.7	276.9	283.7	.2	.4	.4	9.0	10.3	11.0
Johnstown	74.9	75.4	75.9	5.7	4.8	3.8	2.4	2.5	2.7
Lancaster	161.3	165.4	172.5	.4	.3	.4	7.2	8.3	9.2
Philadelphia PMSA	1,988.9	2,045.9	2,095.7	1.0	1.2	1.2	78.3	82.7	93.4
Philadelphia City	752.4	755.4	762.5	(²)	(²)	(²)	17.2	17.5	18.5
Pittsburgh	839.9	844.1	841.9	7.0	6.9	6.7	38.3	38.7	40.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
New Mexico	36.5	37.3	37.5	29.9	30.0	29.3	117.5	122.6	126.9
Albuquerque	18.8	19.2	19.6	12.1	12.1	12.3	52.9	56.2	58.2
Las Cruces	3.5	3.3	3.5	1.4	1.4	1.3	7.1	7.4	7.7
Santa Fe	1.4	1.5	1.6	1.1	1.2	1.3	8.6	9.4	10.2
New York	1,326.3	1,293.1	1,250.5	418.5	416.1	402.1	1,576.9	1,631.2	1,675.6
Albany-Schenectady-Troy	54.1	51.9	50.2	16.7	16.6	16.2	78.5	81.2	84.5
Binghamton	41.1	40.1	37.8	4.1	4.2	4.1	21.8	23.8	24.7
Buffalo	79.6	78.3	76.5	21.8	21.6	21.3	97.7	101.8	105.7
Elmira	8.1	7.1	6.7	1.4	1.3	1.3	9.2	9.6	10.1
Glens Falls	10.2	10.0	10.0	1.3	1.3	1.4	9.0	9.5	10.5
Nassau-Suffolk	177.6	179.5	180.3	45.1	45.7	45.9	276.1	287.7	298.5
New York PMSA	515.0	494.8	475.8	261.4	257.4	242.9	746.3	758.9	762.8
New York City	429.6	407.7	390.8	237.0	232.0	217.9	630.5	638.1	638.3
Niagara Falls	25.2	24.8	24.5	3.6	3.6	3.6	16.5	17.7	17.5
Orange County	15.2	15.1	15.0	5.6	5.5	5.6	21.5	23.7	25.4
Poughkeepsie	34.5	34.4	32.2	3.3	3.2	3.3	18.7	20.0	21.1
Rochester	149.1	147.7	139.3	13.2	13.7	13.9	87.5	92.3	96.1
Rockland County	16.1	16.0	15.9	4.1	4.2	4.2	20.8	21.8	22.8
Syracuse	58.5	57.7	54.5	15.6	16.0	16.6	61.6	66.0	69.4
Utica-Rome	27.3	25.8	24.7	4.5	4.6	4.6	24.4	24.7	25.9
Westchester County	67.9	69.4	67.3	19.9	20.6	20.2	91.5	95.0	97.4
North Carolina	835.6	828.6	831.9	126.6	130.5	133.1	548.9	576.2	607.1
Asheville	21.1	21.0	20.3	3.4	3.6	3.6	16.5	16.8	17.2
Charlotte-Gastonia-Rock Hill	151.5	148.6	147.5	42.0	44.4	46.5	117.4	124.2	129.2
Greensboro-Winston-Salem-High Point	153.3	153.3	151.7	23.3	24.6	24.6	90.2	95.0	99.7
Raleigh-Durham	56.5	60.0	59.2	15.9	17.1	17.7	66.9	72.8	75.5
North Dakota	15.5	15.4	15.4	16.4	16.5	15.9	67.6	67.6	66.8
Bismarck	2.0	1.9	1.9	2.8	2.9	2.7	9.6	9.6	9.7
Fargo-Moorhead	4.9	4.8	4.8	3.9	4.0	4.1	19.4	20.0	20.2
Grand Forks	1.2	1.4	1.5	1.5	1.5	1.5	7.9	8.0	8.0
Ohio	1,127.0	1,124.2	1,109.3	203.9	202.7	205.5	984.7	1,031.7	1,066.5
Akron	67.9	68.1	66.8	13.0	12.8	13.0	60.0	62.3	63.6
Canton	46.4	46.2	43.5	6.2	5.9	5.8	35.2	36.7	38.2
Cincinnati	145.0	147.1	147.9	32.5	33.8	33.9	150.7	159.3	165.5
Cleveland	213.8	211.2	205.5	41.6	41.1	41.3	202.2	209.2	213.9
Columbus	104.7	106.1	106.2	26.1	26.0	26.9	141.3	150.8	156.4
Dayton-Springfield	103.7	106.3	106.1	14.7	14.5	14.7	85.7	90.1	94.5
Toledo	64.8	65.7	63.6	14.2	13.9	13.9	62.6	64.6	66.7
Youngstown-Warren	55.1	52.7	52.0	7.7	7.6	7.8	43.5	45.3	46.3
Oklahoma	175.0	172.0	162.8	66.4	64.6	64.1	287.9	286.5	279.0
Enid	2.1	2.0	1.6	2.6	2.4	2.3	7.3	6.9	6.5
Lawton	3.6	3.3	3.3	1.3	1.4	1.4	8.6	9.0	8.9
Oklahoma City	54.1	52.4	50.0	22.9	21.5	20.5	110.6	108.5	103.5
Tulsa	51.4	53.1	51.4	21.5	21.6	22.6	72.8	73.6	72.9
Oregon	201.1	199.3	196.7	57.1	57.3	57.0	253.0	258.6	268.1
Eugene-Springfield	19.3	18.6	18.1	4.3	4.3	4.0	24.6	24.7	25.6
Portland	92.4	92.9	90.3	33.9	33.8	32.9	135.9	138.0	140.3
Salem	13.1	13.4	13.4	2.5	2.5	2.5	19.3	20.2	20.8
Pennsylvania	1,121.9	1,089.5	1,049.1	244.2	240.6	240.0	1,033.1	1,067.4	1,094.9
Allentown-Bethlehem	90.8	87.5	79.4	14.0	14.0	14.1	53.6	55.2	58.3
Altoona	11.4	11.1	11.0	5.0	4.8	4.8	11.8	12.3	12.4
Beaver County	17.2	14.0	10.8	5.3	5.0	5.1	11.3	11.0	11.1
Erie	36.2	36.3	35.1	4.3	4.2	4.0	22.8	23.5	23.4
Harrisburg-Lebanon-Carlisle	54.0	52.0	50.6	18.2	18.1	18.0	57.7	61.3	63.8
Johnstown	12.6	12.2	12.5	4.9	5.0	5.0	15.8	16.0	16.1
Lancaster	58.1	57.9	58.7	6.9	6.8	7.0	38.2	39.9	41.7
Philadelphia PMSA	398.1	394.7	384.0	95.0	94.6	95.8	456.6	473.3	486.3
Philadelphia City	108.6	103.2	100.0	46.4	45.2	44.8	145.0	145.7	148.3
Pittsburgh	148.9	138.8	129.3	48.7	46.0	44.7	207.5	213.3	213.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
New Mexico	24.7	25.8	26.7	106.3	113.2	117.7	129.7	133.3	138.2
Albuquerque	12.5	13.5	14.2	53.4	57.6	60.7	42.9	43.7	44.5
Las Cruces	1.4	1.5	1.6	4.7	5.2	5.7	14.6	15.4	17.9
Santa Fe	1.8	1.9	2.1	11.9	12.5	13.3	19.4	20.5	21.3
New York	704.4	721.7	754.6	1,966.1	2,042.9	2,125.9	1,318.2	1,353.6	1,382.3
Albany-Schenectady-Troy	18.3	19.6	21.2	86.4	91.7	94.7	102.9	105.4	108.4
Binghamton	3.7	3.8	3.9	21.0	21.1	21.1	20.0	20.3	20.7
Buffalo	22.1	22.7	24.5	98.2	101.7	106.0	70.9	71.6	72.1
Elmira	1.1	1.1	1.2	7.8	8.3	8.8	6.2	6.2	6.4
Glens Falls	1.9	1.9	1.9	8.7	9.2	9.9	8.2	8.6	8.8
Nassau-Suffolk	60.9	65.3	71.0	253.6	263.7	274.2	173.3	175.2	177.1
New York PMSA	527.9	535.6	556.3	1,135.0	1,173.1	1,217.1	613.7	636.2	654.3
New York City	500.5	507.6	526.5	1,005.8	1,038.5	1,077.5	535.6	556.6	574.2
Niagara Falls	1.9	1.9	1.8	14.8	15.2	15.8	12.1	12.2	12.1
Orange County	3.3	3.6	4.0	18.4	19.6	20.5	20.7	21.2	21.5
Poughkeepsie	3.3	3.6	4.1	22.4	23.8	25.0	23.8	23.9	24.0
Rochester	19.0	19.7	20.8	93.6	100.2	104.9	60.0	61.7	62.7
Rockland County	3.5	3.6	3.8	21.8	22.7	23.2	20.6	21.1	21.0
Syracuse	18.0	18.6	18.9	61.4	65.3	68.2	47.3	48.1	49.2
Utica-Rome	6.1	6.2	6.4	22.8	23.6	24.5	28.3	28.6	28.8
Westchester County	23.3	23.9	25.4	103.4	107.6	111.7	53.8	54.9	55.3
North Carolina	103.8	109.4	118.4	399.3	428.7	452.5	413.7	420.5	426.7
Asheville	2.4	2.6	2.7	15.1	15.7	16.5	11.3	11.9	11.8
Charlotte-Gastonia-Rock Hill	27.0	29.2	32.4	82.8	90.1	95.9	54.4	56.7	59.9
Greensboro-Winston-Salem-High Point	19.9	20.6	21.5	67.9	72.9	75.3	49.2	48.8	50.3
Raleigh-Durham	17.3	18.8	21.6	71.6	80.0	85.6	79.2	83.0	85.0
North Dakota	12.2	12.4	12.4	57.4	57.9	59.2	62.2	63.1	63.7
Bismarck	1.7	1.7	1.7	9.8	9.9	10.2	7.7	8.1	8.1
Fargo-Moorhead	4.1	4.2	4.3	16.7	17.3	18.1	13.0	13.0	13.1
Grand Forks	1.1	1.1	1.1	5.9	6.0	6.2	8.4	8.6	8.8
Ohio	211.5	219.3	231.8	905.2	949.5	998.8	655.2	665.2	679.8
Akron	9.2	9.6	10.0	52.8	54.0	55.4	41.1	41.6	41.8
Canton	6.1	6.1	6.5	31.4	32.4	33.3	17.6	17.6	18.0
Cincinnati	33.9	35.7	37.9	137.1	147.1	154.6	79.3	81.2	84.8
Cleveland	48.5	49.5	51.9	204.3	213.2	224.4	115.3	115.7	116.8
Columbus	46.7	49.4	53.5	127.5	136.0	145.5	109.8	112.4	116.7
Dayton-Springfield	16.1	16.6	17.3	89.2	95.4	100.6	70.9	72.1	72.4
Toledo	9.7	10.2	11.0	58.7	61.7	67.1	38.8	39.6	40.9
Youngstown-Warren	7.2	7.5	8.0	40.1	41.1	42.9	22.6	23.0	23.7
Oklahoma	64.2	63.2	62.8	221.2	222.6	224.5	241.4	245.7	251.2
Enid	1.3	1.3	1.1	5.3	5.1	5.3	3.7	3.6	3.6
Lawton	1.5	1.6	1.5	5.5	5.3	5.6	11.0	11.2	11.2
Oklahoma City	28.0	27.0	26.4	84.2	85.3	86.3	96.0	96.5	98.1
Tulsa	17.2	17.5	17.5	68.8	70.2	69.1	34.1	35.6	36.9
Oregon	65.4	66.8	69.6	204.5	215.6	230.2	194.1	197.7	199.3
Eugene-Springfield	4.6	4.5	4.6	19.7	20.5	21.9	20.9	21.2	21.7
Portland	41.3	42.2	43.1	113.6	119.8	127.5	73.1	73.9	75.1
Salem	5.2	5.0	5.3	15.7	16.6	17.9	26.7	28.0	28.1
Pennsylvania	253.5	263.1	277.3	1,114.9	1,166.1	1,217.7	672.9	680.2	679.6
Allentown-Bethlehem	10.4	10.2	10.4	54.5	57.8	60.6	28.4	28.6	29.3
Altoona	1.5	1.5	1.5	9.3	9.6	10.0	7.1	7.1	7.1
Beaver County	1.9	1.8	1.7	10.1	10.4	10.7	7.1	7.4	7.7
Erie	5.0	4.9	5.1	23.9	24.4	25.1	12.5	13.0	13.3
Harrisburg-Lebanon-Carlisle	14.5	15.1	15.9	52.0	55.7	59.0	63.1	63.9	65.1
Johnstown	4.0	4.4	4.8	17.4	18.0	18.5	12.2	12.6	12.5
Lancaster	5.7	6.0	6.4	30.6	31.6	34.2	14.3	14.5	14.9
Philadelphia PMSA	135.5	142.4	152.4	534.1	561.2	586.5	290.3	295.8	296.0
Philadelphia City	66.4	66.6	69.4	228.5	235.9	242.3	140.3	141.5	139.2
Pittsburgh	49.0	50.0	51.5	234.0	243.3	252.5	106.5	107.2	103.7

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Pennsylvania-Continued									
Reading	141.9	142.3	143.6	(²)	(²)	(²)	5.1	5.6	5.8
Scranton-Wilkes-Barre	270.2	276.1	281.8	0.9	0.9	0.8	9.5	10.8	11.1
Sharon	39.8	40.0	40.2	.3	.2	.2	1.0	1.0	1.2
State College	48.2	49.3	50.6	.4	.3	.2	1.6	1.7	1.9
Williamsport	44.8	45.6	47.1	(²)	(²)	(²)	1.4	1.6	1.8
York	157.7	160.9	164.2	.4	.4	.4	7.0	7.9	8.4
Rhode Island									
Pawtucket-Woonsocket-Attleboro	416.4	429.2	442.1	.2	.1	.2	13.3	15.2	17.0
Providence	123.0	126.2	130.7	.1	.1	.1	3.3	4.0	4.3
	291.4	301.4	310.0	.1	.1	.1	10.0	11.2	13.6
South Carolina									
Charleston	1,262.5	1,296.2	1,338.4	1.8	1.7	1.6	80.8	83.8	88.1
Columbia	166.3	174.1	180.8	(¹)	(¹)	(¹)	12.3	13.3	14.0
Greenville-Spartanburg	198.2	208.0	214.4	(¹)	(¹)	(¹)	13.4	12.8	14.2
	277.7	285.2	296.7	(¹)	(¹)	(¹)	18.2	20.2	22.3
South Dakota									
Rapid City	247.0	249.4	251.6	2.7	2.5	2.6	9.3	9.5	9.6
Sioux Falls	32.8	33.1	33.4	.3	.3	.3	1.9	2.0	2.3
	60.7	61.8	62.7	(¹)	(¹)	(¹)	2.7	2.6	2.3
Tennessee									
Chattanooga	1,812.0	1,867.8	1,928.7	8.0	7.7	7.5	78.3	85.6	90.0
Johnson City-Kingsport-Bristol	171.3	174.9	179.6	1.0	.9	1.0	6.6	7.5	7.1
Knoxville	147.0	151.1	152.6	.1	.2	.2	5.6	6.2	5.4
Memphis	232.6	235.0	238.4	2.0	1.8	2.0	10.9	11.1	11.7
Nashville	374.8	388.7	403.8	.1	.1	.1	16.3	18.1	18.7
	407.5	434.1	450.0	.5	.7	.8	22.8	25.7	28.0
Texas									
Abilene	6,492.4	6,663.1	6,580.5	269.1	259.2	208.8	446.3	443.8	413.5
Amarillo	52.6	53.8	51.0	4.1	4.0	2.6	2.9	2.9	2.5
Austin	80.1	81.0	78.6	2.0	1.9	1.5	4.6	4.5	4.1
Beaumont-Port Arthur	328.4	357.5	361.2	1.0	1.1	1.0	25.1	27.3	23.7
Brazoria	142.5	136.1	130.1	2.8	2.6	1.8	9.6	9.4	7.5
Brownsville-Harlingen	59.9	59.4	57.8	2.2	1.9	1.6	6.8	6.3	5.9
Bryan-College Station	63.7	65.2	65.5	.1	.1	.1	3.4	3.2	2.8
Corpus Christi	47.6	48.6	48.6	1.4	1.3	.9	3.0	2.7	2.3
Dallas	133.1	135.0	130.1	7.8	7.7	6.7	10.6	10.1	8.6
El Paso	1,248.7	1,322.6	1,339.9	23.5	23.7	21.2	80.3	87.2	82.0
Ft. Worth-Arlington	171.8	178.5	183.8	.3	.3	.2	9.0	9.3	9.9
Galveston-Texas City	473.4	503.4	511.3	4.6	4.4	3.7	30.2	33.7	31.2
Houston	71.6	72.4	71.3	.9	.7	.5	4.3	3.9	4.5
Killeen-Temple	1,475.8	1,479.0	1,410.7	94.4	88.4	72.2	118.5	107.0	93.6
Laredo	63.7	66.4	68.3	.1	.1	.1	3.8	4.1	3.9
Longview-Marshall	31.6	34.3	35.0	1.7	2.0	1.8	1.2	1.4	1.3
Lubbock	67.7	68.5	66.0	4.9	4.6	3.9	4.5	3.6	3.3
McAllen-Edinburg-Mission	90.8	91.0	91.3	.5	.5	.3	4.2	4.5	4.0
Midland	79.7	84.0	87.3	1.6	1.7	1.2	4.6	4.5	4.6
Odessa	50.2	49.9	45.9	12.4	11.6	9.8	2.6	2.4	1.8
San Angelo	51.3	52.4	45.9	8.7	9.1	6.9	3.5	3.6	2.7
San Antonio	37.5	37.5	37.2	.9	.9	.7	2.4	2.3	2.0
Sherman-Denison	461.4	485.9	494.5	3.4	3.3	2.8	34.9	37.8	35.6
Texasarkana	37.0	37.6	38.0	.3	.3	.2	1.4	1.7	1.8
Tyler	44.2	45.3	45.1	.1	.1	.1	2.1	2.3	1.9
Victoria	62.0	62.6	61.6	3.5	3.0	2.1	3.1	2.9	3.0
Waco	29.4	29.9	28.6	3.1	3.1	2.0	2.6	2.5	2.1
Wichita Falls	76.3	78.1	78.1	.2	.2	.1	4.2	4.4	4.0
	51.4	51.7	50.5	3.3	3.0	2.3	2.0	2.2	2.2
Utah									
Provo-Orem	601.2	624.3	634.3	12.8	9.7	7.9	34.8	35.5	32.5
Salt Lake City-Ogden	68.1	70.1	72.5	.2	.1	(¹)	3.3	3.4	2.9
	415.9	434.4	443.1	4.5	2.5	1.8	22.9	23.9	23.2
Vermont									
Barre-Montpelier	214.9	224.7	233.7	.5	.5	.5	12.2	13.8	15.1
Burlington	(¹)	(¹)	31.3	(¹)	(¹)	.2	(¹)	(¹)	2.0
	65.0	68.5	71.2	(¹)	(¹)	(¹)	3.6	3.9	4.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Pennsylvania-Continued									
Reading	52.9	50.6	48.2	6.0	6.0	6.4	28.9	29.8	31.3
Scranton-Wilkes-Barre	75.6	73.9	72.6	14.3	14.4	14.7	58.5	60.3	62.8
Sharon	10.7	10.2	9.5	2.1	2.1	1.9	9.4	9.9	10.6
State College	8.0	7.7	7.4	1.2	1.2	1.2	8.8	9.0	9.3
Williamsport	15.0	14.7	15.1	2.0	1.9	1.8	9.5	10.0	10.6
York	59.7	58.7	57.8	6.8	6.9	6.9	36.4	37.8	39.0
Rhode Island									
Pawtucket-Woonsocket-Attleboro	121.7	119.2	119.4	13.5	13.9	14.7	88.6	94.6	99.0
Providence	55.9	54.5	55.3	3.5	3.5	3.5	26.5	28.9	30.8
	76.5	75.6	74.7	10.2	10.7	11.2	60.4	64.8	67.6
South Carolina									
Charleston	377.6	365.4	364.0	55.3	56.0	56.1	261.2	277.4	291.8
Columbia	20.0	19.8	20.0	8.6	9.1	9.1	40.0	42.6	44.4
Greenville-Spartanburg	28.2	28.0	28.0	8.9	9.5	10.0	42.1	45.8	47.2
	101.0	97.9	98.2	9.7	10.2	10.5	60.6	64.4	67.0
South Dakota									
Rapid City	29.2	27.5	28.3	12.3	12.7	12.6	65.3	65.9	65.6
Sioux Falls	3.7	3.2	3.0	1.9	1.9	1.8	9.5	9.7	9.8
	9.1	7.9	8.5	4.5	4.6	4.6	16.7	16.9	16.6
Tennessee									
Chattanooga	497.1	492.4	491.8	89.1	93.0	96.7	413.3	435.3	450.3
Johnson City-Kingsport-Bristol	43.7	43.7	43.9	7.8	8.3	8.6	39.2	40.1	41.5
Knoxville	53.1	52.7	52.0	5.7	6.0	6.2	31.0	33.5	33.8
Memphis	50.9	50.9	50.6	8.5	8.8	9.0	54.7	57.5	59.6
Nashville	53.4	52.2	51.8	30.4	33.3	35.4	103.4	108.2	111.7
	86.6	89.4	89.6	21.7	22.2	22.0	98.2	105.5	109.0
Texas									
Abilene	1,004.3	998.6	960.3	374.0	380.8	374.5	1,640.8	1,699.0	1,684.5
Amarillo	5.4	5.4	4.9	2.8	2.8	2.6	13.9	14.6	14.1
Austin	10.1	9.9	9.8	6.6	6.4	6.2	23.8	24.0	23.2
Beaumont-Port Arthur	40.4	42.0	40.5	9.2	10.6	11.2	72.9	80.6	81.6
Brazoria	31.3	27.6	25.3	11.1	10.3	9.9	33.8	32.9	32.3
Brownsville-Harlingen	17.4	17.1	15.8	2.6	2.3	2.4	11.4	11.2	11.3
Bryan-College Station	10.5	9.8	9.5	3.3	3.4	3.2	17.6	18.3	17.9
Corpus Christi	3.4	3.5	3.2	1.6	1.6	1.6	10.3	10.8	11.2
Dallas	13.3	13.2	12.2	7.7	7.6	7.2	33.9	34.8	34.2
El Paso	226.7	233.2	227.6	79.2	83.6	86.6	333.0	353.6	359.0
Ft. Worth-Arlington	37.4	36.7	35.9	9.9	9.9	9.9	41.2	44.1	45.2
Galveston-Texas City	108.0	113.5	113.6	24.8	26.1	26.5	130.3	135.3	136.8
Houston	10.4	10.3	9.3	6.1	5.4	4.8	14.3	13.9	13.8
Killeen-Temple	177.8	173.2	154.8	100.5	100.5	94.9	376.2	380.6	362.5
Laredo	8.6	8.7	8.7	3.0	3.0	2.8	15.6	16.2	16.3
Longview-Marshall	1.8	1.8	1.9	3.5	3.7	3.9	9.5	10.4	10.5
Lubbock	15.5	16.0	15.2	3.6	3.7	3.2	16.9	17.5	17.4
McAllen-Edinburg-Mission	8.9	8.2	7.5	4.8	4.7	4.7	26.6	26.9	27.7
Midland	11.2	11.7	12.1	2.7	2.6	2.8	24.1	25.7	25.8
Odessa	3.8	3.9	3.3	2.3	2.5	2.3	11.8	11.3	10.9
San Angelo	5.0	5.0	4.0	2.7	2.6	2.1	14.5	14.8	13.6
San Antonio	5.6	5.5	5.7	3.6	3.3	3.3	9.2	9.5	9.5
Sherman-Denison	51.9	51.4	48.7	18.5	19.1	18.7	119.0	125.2	128.9
Texarkana	12.3	12.0	11.5	2.0	2.0	2.0	8.0	8.2	8.5
Tyler	7.2	7.5	7.2	1.9	2.0	1.9	10.7	10.8	11.0
Victoria	12.0	12.0	11.4	3.0	3.0	2.9	16.5	16.9	16.5
Waco	3.0	3.1	3.0	1.5	1.5	1.5	7.9	8.3	8.0
Wichita Falls	16.0	16.2	15.5	3.4	3.5	3.5	19.0	19.1	18.9
	9.1	8.5	8.2	2.7	2.8	2.6	12.2	12.7	12.3
Utah									
Provo-Orem	94.0	94.0	92.0	36.4	37.0	37.5	140.8	147.9	152.6
Salt Lake City-Ogden	12.3	11.5	11.0	2.3	2.2	2.5	14.0	14.6	15.5
	63.2	63.6	61.9	28.6	28.9	29.0	103.3	108.6	112.0
Vermont									
Barre-Montpelier	49.0	49.8	49.6	9.2	9.4	9.7	46.9	50.0	52.5
Burlington	(¹)	(¹)	4.4	(¹)	(¹)	.8	(¹)	(¹)	6.6
	16.1	16.8	16.7	2.7	2.8	3.0	14.4	15.7	16.1

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Pennsylvania—Continued									
Reading	6.7	7.0	7.2	26.3	27.2	28.4	16.0	16.1	16.3
Scranton-Wilkes-Barre	11.0	11.4	11.9	59.5	63.4	66.7	40.9	41.0	41.1
Sharon	1.3	1.3	1.4	9.9	10.1	10.3	5.1	5.2	5.2
State College	1.5	1.5	1.6	7.4	8.1	8.9	19.3	19.8	20.2
Williamsport	2.2	2.2	2.2	8.5	8.9	9.3	6.2	6.3	6.4
York	4.3	4.5	4.8	25.6	27.1	29.1	17.6	17.6	17.8
Rhode Island									
Pawtucket-Woonsocket-Attleboro	22.7	23.6	24.9	99.0	105.0	109.1	57.4	57.7	58.0
Providence	3.1	3.4	3.6	20.8	22.1	23.5	9.8	9.8	9.7
	19.0	19.7	21.0	72.3	76.2	78.6	42.9	43.2	43.3
South Carolina									
Charleston	54.4	57.2	61.0	194.2	209.9	222.6	237.3	244.8	253.3
Columbia	7.9	8.1	8.3	30.3	33.1	35.9	47.2	47.9	49.0
Greenville-Spartanburg	15.8	16.6	17.3	34.3	37.5	39.0	55.2	57.5	58.4
	10.9	11.1	11.5	41.9	44.9	47.9	35.2	36.3	39.1
South Dakota									
Rapid City	13.1	14.0	14.2	57.8	59.3	60.1	57.2	57.9	58.7
Sioux Falls	1.6	1.7	1.7	8.0	8.2	8.1	5.9	6.2	6.4
	5.2	5.9	6.0	15.5	16.6	17.3	6.9	7.2	7.3
Tennessee									
Chattanooga	85.9	89.4	93.8	344.3	360.2	384.6	296.1	304.2	314.0
Johnson City-Kingsport-Bristol	10.0	10.5	11.1	31.7	33.3	34.8	31.3	30.5	31.7
Knoxville	4.7	4.8	4.8	24.0	25.3	26.3	22.7	22.7	23.9
Memphis	9.0	8.8	8.6	49.8	48.8	48.5	46.7	47.2	48.5
Nashville	21.4	21.9	22.9	86.0	88.3	94.3	63.8	66.6	68.9
	27.3	29.0	30.6	89.6	99.1	105.6	60.7	62.4	64.5
Texas									
Abilene	419.8	445.9	447.8	1,274.6	1,346.7	1,372.1	1,063.5	1,088.9	1,119.0
Amarillo	2.7	2.7	2.6	12.6	13.2	13.3	8.0	8.2	8.2
Austin	4.3	4.4	4.4	15.4	16.0	16.1	13.3	13.6	13.3
Beaumont-Port Arthur	22.0	24.5	25.6	71.0	80.5	83.1	86.8	91.1	94.4
Brazoria	5.7	5.7	5.6	28.3	27.9	27.6	19.8	19.7	19.7
Brownsville-Harlingen	2.2	2.2	2.2	7.8	8.0	7.8	9.7	10.3	10.9
Bryan-College Station	3.3	3.4	3.4	11.8	12.3	13.4	13.8	14.6	15.1
Corpus Christi	2.0	2.1	1.9	7.3	7.4	7.9	18.7	19.0	19.8
Dallas	6.8	6.9	6.9	26.0	27.5	27.2	27.0	27.2	27.3
El Paso	116.8	128.3	133.2	260.6	278.9	287.5	128.6	134.4	142.7
Ft. Worth-Arlington	8.6	9.2	9.7	30.4	32.4	34.7	34.9	36.8	38.3
Galveston-Texas City	25.7	27.8	28.5	92.4	102.1	108.9	57.4	60.4	62.1
Houston	4.7	4.6	4.5	12.0	12.8	13.0	18.9	20.7	20.7
Killeen-Temple	107.0	106.9	104.2	328.4	342.3	340.8	172.9	180.5	187.7
Laredo	2.6	3.0	3.1	11.8	12.5	13.6	18.3	19.0	19.6
Longview-Marshall	1.5	1.6	1.6	5.1	5.6	5.8	7.4	7.8	8.1
Lubbock	3.1	3.4	3.3	11.2	11.5	11.3	8.0	8.2	8.3
McAllen-Edinburg-Mission	5.5	5.6	5.5	19.6	19.6	20.3	20.5	21.0	21.1
Midland	3.5	3.9	4.0	11.9	12.8	13.8	19.9	21.1	23.0
Odessa	3.5	3.2	2.9	8.4	9.2	8.9	5.5	5.8	6.1
San Angelo	2.0	2.0	1.7	7.9	8.1	7.4	6.9	7.2	7.4
San Antonio	1.7	1.8	1.8	7.4	7.5	7.7	6.6	6.6	6.5
Sherman-Denison	34.1	36.2	38.5	100.6	110.1	114.5	99.2	102.7	107.0
Texarkana	1.3	1.4	1.5	6.9	7.2	7.3	4.8	4.9	5.1
Tyler	1.8	1.8	1.9	8.1	8.5	8.9	12.3	12.4	12.3
Victoria	3.4	3.9	3.8	12.6	12.7	13.4	7.9	8.3	8.7
Waco	1.6	1.7	1.6	5.4	5.7	5.9	4.1	4.2	4.3
Wichita Falls	4.8	4.7	4.7	17.2	18.2	19.3	11.4	11.8	12.1
	2.4	2.4	2.4	9.5	10.2	11.0	10.2	10.0	9.5
Utah									
Provo-Orem	29.8	31.1	32.9	121.1	131.3	137.6	131.5	137.8	141.3
Salt Lake City-Ogden	2.1	2.1	2.3	21.7	23.2	25.0	12.3	13.1	13.4
	24.2	25.6	27.2	82.8	90.7	94.3	86.4	90.6	93.7
Vermont									
Barre-Montpelier	9.3	10.1	11.0	51.3	53.7	57.0	36.5	37.4	38.4
Burlington	(¹)	(¹)	2.8	(¹)	(¹)	6.6	(¹)	(¹)	7.9
	2.8	3.0	3.2	14.9	15.6	17.2	10.6	10.7	10.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Virginia	2,333.3	2,454.7	2,557.1	18.3	17.3	16.4	132.8	152.0	168.1
Bristol	28.0	28.8	29.9	.1	.1	.1	1.0	1.2	.9
Charlottesville	60.1	60.7	62.2	.1	.1	.1	3.0	3.4	3.4
Danville	39.7	38.9	38.9	.1	.1	.1	1.4	1.4	1.4
Lynchburg	68.9	69.7	70.1	.1	.1	.1	2.6	2.7	3.1
Norfolk-Virginia Beach-Newport News	484.5	510.8	530.6	.1	.1	.1	30.4	33.8	37.4
Northern Virginia	567.2	614.2	655.2	.5	.6	.5	36.2	42.5	47.3
Richmond-Petersburg	385.3	402.8	415.0	.3	.3	.4	20.7	23.4	25.0
Roanoke	107.1	113.5	117.5	.1	.1	.1	5.6	6.5	6.7
Washington	1,659.6	1,710.4	1,770.2	2.6	2.7	2.9	79.6	80.6	85.2
Seattle	814.2	849.0	888.3	.5	.5	.6	39.3	41.6	44.8
West Virginia	596.6	597.2	596.8	48.8	44.8	40.1	22.0	22.8	22.7
Charleston	106.9	107.2	107.5	3.4	2.5	2.3	4.4	4.3	4.5
Huntington-Ashland	99.2	100.5	100.7	1.1	1.1	1.0	3.7	4.0	3.6
Parkersburg-Marietta	57.0	58.1	58.2	1.2	1.1	.8	2.5	2.7	2.7
Wheeling	58.4	57.5	56.7	3.0	2.6	2.4	2.0	1.9	1.6
Wisconsin	1,949.2	1,983.1	2,014.8	1.9	1.9	2.0	63.2	64.6	63.8
Appleton-Oshkosh-Neenah	131.4	135.7	139.2	(¹)	(¹)	(¹)	5.5	5.7	5.6
Eau Claire	49.9	50.8	53.2	(¹)	(¹)	(¹)	1.5	1.6	1.6
Green Bay	85.4	88.4	91.0	(¹)	(¹)	(¹)	3.4	3.7	3.3
Janesville-Beloit	51.8	52.9	52.7	(¹)	(¹)	(¹)	1.4	1.5	1.2
Kenosha	41.7	38.8	36.9	(¹)	(¹)	(¹)	1.3	1.3	1.0
La Crosse	47.0	48.0	48.2	(¹)	(¹)	(¹)	1.6	1.5	1.1
Madison	180.2	187.3	190.7	(¹)	(¹)	(¹)	6.1	6.2	6.0
Milwaukee	658.6	665.0	675.3	(¹)	(¹)	(¹)	18.8	19.6	19.8
Racine	67.2	66.8	68.0	(¹)	(¹)	(¹)	1.6	1.7	2.0
Sheboygan	43.7	44.1	44.4	(¹)	(¹)	(¹)	1.3	1.4	1.3
Wausau	41.8	42.9	44.5	(¹)	(¹)	(¹)	1.3	1.3	1.5
Wyoming	204.3	206.9	199.1	27.9	25.1	19.5	14.1	18.2	17.0
Puerto Rico	684.1	692.5	715.7	.7	.7	.7	27.5	26.3	28.1
Caguas	41.5	42.9	43.5	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Mayaguez	49.4	50.1	51.6	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Ponce	42.1	43.1	45.5	.1	.1	.1	1.6	1.7	2.7
San Juan	425.8	429.8	441.3	.4	.4	.4	21.0	20.8	21.9
Virgin Islands	36.6	36.9	37.4	(¹)	(¹)	(¹)	2.3	1.9	2.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Virginia	421.3	423.4	424.2	127.2	132.0	137.3	516.5	547.0	580.2
Bristol	9.6	9.3	9.4	1.1	1.1	1.1	6.7	7.5	8.0
Charlottesville	10.2	9.3	8.6	2.0	2.1	2.1	11.0	11.4	11.9
Danville	18.2	16.9	16.4	.9	.9	1.0	7.8	8.2	8.1
Lynchburg	26.1	25.0	24.0	3.0	2.9	2.9	12.6	13.3	13.2
Norfolk-Virginia Beach-Newport News	67.3	68.1	69.0	25.1	25.2	25.7	115.7	124.3	129.7
Northern Virginia	28.6	31.8	34.5	39.2	42.4	45.4	130.3	141.7	152.9
Richmond-Petersburg	63.8	64.0	62.6	21.6	21.8	22.1	92.2	96.9	100.6
Roanoke	20.6	20.9	20.7	8.5	9.2	9.0	27.3	29.4	31.4
Washington ..	288.1	295.6	304.2	90.9	93.6	95.8	411.6	420.6	434.7
Seattle	154.8	163.2	171.8	54.2	55.5	57.7	205.0	211.2	219.9
West Virginia	91.5	89.5	87.0	39.3	38.2	36.9	131.9	134.5	136.7
Charleston	13.3	13.4	12.5	9.0	8.7	8.3	27.6	27.7	28.1
Huntington-Ashland	21.0	20.0	19.6	8.4	8.1	7.5	25.2	25.8	25.8
Parkersburg-Marietta	15.0	14.7	14.2	2.1	2.0	2.0	13.5	13.9	14.1
Wheeling	8.2	7.9	6.9	3.3	3.1	3.0	15.0	14.8	15.3
Wisconsin	518.9	513.9	512.5	91.9	94.2	92.9	452.8	465.1	477.8
Appleton-Oshkosh-Neenah	47.3	48.2	48.7	5.0	5.2	5.3	28.1	29.1	29.9
Eau Claire	9.3	9.4	10.1	2.6	2.6	2.8	14.1	14.5	15.1
Green Bay	23.1	23.7	24.5	6.0	6.3	6.4	22.5	22.9	23.6
Janesville-Beloit	18.4	18.3	16.8	2.1	2.1	1.9	12.2	12.7	13.4
Kenosha	16.0	12.9	10.7	1.5	1.4	1.4	8.1	8.2	8.4
La Crosse ..	10.6	10.4	10.2	2.3	2.5	2.3	12.6	12.8	13.3
Madison	20.0	20.9	21.2	6.2	6.5	6.5	39.1	40.5	41.9
Milwaukee	175.4	171.6	167.9	34.1	35.5	34.7	148.3	151.0	155.1
Racine	25.6	24.7	24.5	2.2	2.2	2.3	14.6	15.0	15.9
Sheboygan	18.9	18.7	18.7	1.3	1.4	1.4	8.1	8.2	8.5
Wausau	10.9	11.3	11.9	2.3	2.6	2.7	10.5	10.6	11.2
Wyoming	8.0	8.0	8.0	15.8	15.0	14.2	46.4	46.9	45.5
Puerto Rico ..	150.1	147.5	149.2	15.5	15.7	15.8	116.4	120.8	125.1
Caguas	14.0	14.7	14.7	(¹)	(¹)	(¹)	7.8	8.1	8.3
Mayaguez	19.7	19.7	20.3	(¹)	(¹)	(¹)	6.5	6.6	6.9
Ponce	8.2	8.5	9.1	(¹)	(¹)	(¹)	6.7	7.1	7.3
San Juan	66.3	66.0	64.9	12.1	12.3	12.1	81.5	82.7	86.2
Virgin Islands ...	2.3	2.2	1.8	2.3	2.3	2.4	7.9	8.0	8.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Virginia	117.1	122.8	130.8	495.1	544.7	579.0	505.0	515.6	521.0
Bristol	1.1	1.0	.9	3.6	3.8	4.4	5.0	4.9	5.1
Charlottesville	3.0	3.0	3.0	9.9	10.2	10.9	21.0	21.3	22.2
Danville	1.0	1.1	1.2	5.2	5.3	5.7	5.0	5.0	5.1
Lynchburg	3.2	3.4	3.3	12.4	13.1	13.9	9.0	9.3	9.7
Norfolk-Virginia Beach-Newport News	21.3	22.8	24.1	104.5	114.1	119.9	120.1	122.3	124.8
Northern Virginia	34.5	36.5	40.0	166.7	184.1	198.1	131.2	134.6	136.6
Richmond-Petersburg	29.7	31.6	33.1	72.2	78.3	83.6	84.9	86.5	87.6
Roanoke	6.5	7.0	7.9	24.1	25.4	26.6	14.4	15.0	15.1
Washington	95.7	99.6	105.2	356.6	375.1	393.0	334.5	342.8	349.3
Seattle	60.5	62.8	66.2	178.9	189.8	199.3	121.0	124.5	127.9
West Virginia	23.2	23.6	23.8	109.2	116.4	120.9	130.7	127.5	128.7
Charleston	5.5	5.8	6.0	22.3	23.4	24.6	21.4	21.3	21.3
Huntington-Ashland	3.9	4.0	4.2	16.6	18.4	19.8	19.3	19.2	19.2
Parkersburg-Marietta	2.1	2.1	2.2	11.3	12.1	12.8	9.3	9.4	9.5
Wheeling	2.8	2.8	2.6	14.7	15.2	15.4	9.4	9.2	9.4
Wisconsin	101.3	103.8	107.8	404.4	419.0	432.9	314.7	320.6	325.2
Appleton-Oshkosh-Neenah	6.3	6.8	7.0	23.0	24.1	26.1	15.9	16.4	16.7
Eau Claire	1.8	1.9	1.8	10.3	10.5	11.4	10.1	10.2	10.4
Green Bay	2.8	3.0	3.2	17.4	18.5	19.3	10.0	10.3	10.5
Janesville-Beloit	1.5	1.6	1.6	9.7	10.2	10.9	6.4	6.4	6.7
Kenosha .....	.9	1.0	1.1	7.9	8.1	8.2	6.0	5.9	6.2
La Crosse	1.3	1.4	1.5	11.8	12.2	12.8	6.8	7.2	7.0
Madison	14.1	15.3	16.8	37.4	39.5	39.8	57.1	58.2	58.2
Milwaukee	44.1	44.9	46.4	157.7	162.7	170.1	79.9	79.4	80.9
Racine	2.2	2.1	2.1	12.9	13.1	13.0	8.0	8.0	8.2
Sheboygan	1.9	1.9	2.0	6.9	7.0	7.1	5.3	5.4	5.4
Wausau	3.8	3.5	3.3	7.2	7.6	7.9	5.9	6.0	6.0
Wyoming	8.0	8.1	8.1	33.1	33.4	33.4	50.9	52.2	53.3
Puerto Rico	29.3	31.1	32.6	91.3	95.1	97.8	253.2	255.4	266.4
Caguas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	14.9	14.8	15.2
Mayaguez	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	15.6	16.0	16.5
Ponce	(¹)	(¹)	(¹)	7.6	7.5	7.9	14.9	15.1	15.4
San Juan	23.6	25.1	26.5	68.2	70.0	71.6	152.7	152.6	157.8
Virgin Islands	1.8	1.6	1.5	6.2	7.4	7.7	13.8	13.5	13.2

¹ Not available.

² Combined with construction.

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1986 benchmarks.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
ANNUAL AVERAGES**

2. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Alabama	41.0	40.8	41.1	\$7.97	\$8.48	\$8.64	\$326.77	\$345.98	\$355.10
Birmingham	41.2	40.4	41.2	8.29	8.79	8.74	341.55	355.12	360.09
Mobile	42.2	42.7	41.2	9.86	10.01	10.15	416.09	427.43	418.18
Alaska	39.3	40.7	41.1	12.25	12.19	11.62	481.42	496.13	477.58
Arizona	40.8	40.9	41.0	9.09	9.48	9.84	370.87	387.73	403.44
Arkansas	40.5	40.2	40.4	7.31	7.57	7.76	296.06	304.31	313.50
Fayetteville-Springdale	40.1	39.6	40.5	6.27	6.65	6.91	251.43	263.34	279.86
Fort Smith	40.5	39.8	40.3	7.70	8.00	8.13	311.85	318.40	327.64
Little Rock-North Little Rock	40.9	41.0	40.7	7.98	8.16	8.35	326.38	334.56	339.85
Pine Bluff	41.4	41.8	43.0	9.28	9.49	10.20	384.19	396.68	438.60
California	40.3	40.2	40.3	9.77	10.12	10.37	393.73	406.82	417.91
Colorado	40.9	40.2	39.9	9.24	9.52	9.81	377.92	382.70	391.42
Denver	40.9	40.4	40.2	9.65	10.18	10.79	394.69	411.27	433.76
Connecticut	42.5	41.9	41.8	9.22	9.57	10.07	391.85	400.98	420.93
Bridgeport-Milford	41.6	41.2	41.0	9.67	10.05	10.34	402.27	414.06	423.94
Hartford	42.5	42.1	41.9	9.83	9.96	10.31	417.78	419.32	431.99
New Britain	42.1	42.0	41.9	9.53	9.78	10.48	401.21	410.76	439.11
New Haven-Menden	40.9	41.1	41.1	9.04	9.10	9.63	369.74	374.01	395.79
Stamford	42.7	42.2	40.4	9.02	9.57	10.74	385.15	403.85	433.90
Waterbury	43.9	42.7	42.6	7.82	8.07	8.51	343.30	344.59	362.53
Delaware	41.5	41.1	41.2	9.28	9.86	10.11	385.12	405.25	416.53
Wilmington	42.7	41.2	41.2	10.67	11.52	11.96	455.61	474.62	492.75
District of Columbia:									
Washington MSA	38.1	38.2	38.5	10.10	10.48	10.28	384.81	400.34	395.78
Florida	41.2	41.3	40.8	7.62	7.86	8.02	313.94	324.62	327.22
Fort Lauderdale-Hollywood-Pompano Beach	41.5	41.3	41.4	7.32	7.71	7.83	303.78	318.42	324.16
Jacksonville	41.3	41.4	41.5	8.07	8.16	8.59	333.29	337.82	356.49
Lakeland-Winter Haven	41.4	41.1	39.5	7.58	7.77	7.67	313.81	319.35	302.97
Miami-Hialeah	39.6	38.8	39.2	6.46	6.73	7.02	255.82	261.12	275.18
Orlando	42.3	41.4	41.6	7.98	8.35	8.36	337.55	345.69	347.78
Pensacola	42.3	40.5	42.6	9.07	9.54	9.89	383.66	386.37	421.31
Tampa-St. Petersburg-Clearwater	41.9	40.9	40.2	7.57	7.51	7.52	317.18	307.16	302.30
West Palm Beach-Boca Raton-DeLray Beach	41.6	42.7	41.1	7.72	7.90	8.62	321.15	337.33	354.28
Georgia	41.0	40.6	40.9	7.58	8.10	8.34	310.78	328.86	341.11
Atlanta	40.5	40.8	40.7	8.71	9.50	10.11	352.76	387.60	411.48
Savannah	44.9	44.3	44.5	9.76	10.15	10.65	438.22	449.65	473.93
Hawaii	38.1	37.4	38.9	8.35	8.65	8.86	318.14	323.51	344.65
Honolulu	38.1	37.8	38.9	8.41	8.75	9.00	320.42	330.75	350.10
Idaho	37.6	37.8	38.2	9.34	9.41	9.66	351.18	355.70	369.01
Illinois	40.6	40.6	40.9	10.08	10.37	10.67	409.35	421.02	436.40
Aurora-Elgin	38.2	39.6	40.4	9.97	9.97	9.97	381.27	394.81	402.79
Bloomington-Normal	39.0	39.5	40.7	9.88	10.66	10.81	385.13	421.07	439.97
Champaign-Urbana-Rantoul	34.3	39.7	40.2	9.24	9.22	9.19	317.13	366.03	369.44
Chicago	41.0	41.4	41.8	9.82	10.17	10.46	402.76	421.04	437.23
Davenport-Rock Island-Moline	39.4	40.1	40.5	12.29	12.26	12.48	484.10	491.63	505.44
Decatur	36.0	40.8	40.8	12.61	13.40	13.62	453.44	546.72	555.70
Joliet	40.6	40.5	41.4	10.80	11.45	11.58	438.74	463.73	479.41
Kankakee	33.1	38.7	39.9	9.35	9.89	10.12	308.95	382.74	403.79
Lake County	35.7	40.3	40.9	9.55	10.21	10.50	340.98	411.46	429.45
Peoria	38.6	41.5	42.4	12.41	12.45	12.88	479.48	516.68	546.11
Rockford	41.2	41.5	42.7	10.00	10.70	11.12	411.50	444.05	474.82
Springfield	37.0	41.9	41.9	11.10	11.58	11.65	410.59	485.20	488.14

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
ANNUAL AVERAGES**

2. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Indiana	41.7	40.9	41.5	\$10.45	\$10.71	\$10.81	\$435.76	\$438.04	\$448.62
Iowa	40.2	40.2	40.5	10.24	10.32	10.33	411.65	414.86	418.37
Cedar Rapids	41.7	40.5	40.3	10.99	11.25	11.37	458.28	455.63	458.21
Des Moines	40.7	40.0	40.2	12.24	11.72	11.45	498.17	468.80	460.29
Dubuque	40.8	40.0	39.8	10.90	11.76	11.22	444.72	470.40	446.56
Sioux City	38.0	39.2	40.5	8.77	8.24	8.50	333.26	323.01	344.25
Kansas	40.1	39.5	40.3	9.38	9.45	9.74	376.14	373.28	392.52
Topeka	40.8	40.8	40.9	9.85	10.57	11.03	401.88	431.26	451.13
Wichita	41.1	38.8	39.0	10.04	10.26	10.28	412.64	398.09	400.92
Kentucky	39.2	38.9	39.2	9.28	9.53	9.86	363.78	370.72	386.51
Lexington-Fayette	39.5	39.0	37.4	9.78	10.11	10.30	386.31	394.29	385.22
Louisville	41.1	40.5	40.9	10.49	10.66	10.90	431.14	431.73	445.81
Louisiana	41.6	41.7	41.8	10.06	10.43	10.60	418.50	434.93	443.08
Baton Rouge	42.7	43.6	42.2	11.96	12.48	12.41	510.69	544.13	523.70
New Orleans	41.5	41.0	40.5	10.31	10.52	10.67	427.87	431.32	432.14
Shreveport	42.0	40.0	40.9	10.05	10.57	11.22	422.10	422.80	458.90
Maine	39.9	40.0	40.6	8.05	8.40	8.65	321.20	336.00	351.19
Lewiston-Auburn	37.7	38.7	38.6	6.58	6.78	7.19	248.07	262.39	277.53
Portland	38.6	38.3	38.9	8.08	8.90	9.17	311.89	340.87	356.71
Maryland	41.0	40.3	40.5	9.45	9.73	9.96	387.45	392.12	403.38
Baltimore MSA	41.4	41.1	41.1	9.86	10.24	10.46	408.20	420.86	429.91
Massachusetts	40.1	40.7	41.3	8.50	9.00	9.24	340.85	366.30	381.61
Boston	40.1	40.4	40.5	9.22	9.64	10.12	369.72	389.46	409.86
Springfield	41.4	41.8	42.4	8.50	8.89	8.98	351.90	371.60	380.75
Worcester	40.1	41.0	40.4	8.60	9.03	9.42	344.86	370.23	380.57
Michigan	43.2	43.1	42.6	12.18	12.64	12.80	526.18	544.78	545.28
Ann Arbor	45.4	44.7	44.0	13.10	13.35	13.83	594.74	596.74	608.52
Battle Creek	41.7	41.8	41.8	12.53	13.15	13.45	522.50	549.67	562.21
Detroit	44.1	43.9	43.6	12.88	13.40	13.74	568.01	588.26	599.06
Flint	44.7	45.6	43.7	14.09	14.62	14.57	629.82	666.67	636.71
Grand Rapids	41.7	41.0	40.7	10.33	10.61	10.70	430.76	435.01	435.49
Jackson	42.2	41.7	41.5	9.86	9.99	10.19	416.09	416.58	422.88
Kalamazoo	41.8	43.1	43.1	11.41	11.85	11.91	476.94	510.73	513.32
Lansing-East Lansing	44.3	42.9	42.5	13.77	14.47	14.25	610.01	620.76	605.63
Muskegon	40.7	40.4	40.4	10.89	11.23	11.51	443.22	453.69	465.00
Saginaw-Bay City-Midland	43.6	43.9	43.6	14.35	14.08	14.03	625.66	618.11	611.71
Minnesota	40.3	40.3	40.6	9.75	10.05	10.20	392.93	405.02	414.12
Duluth	38.8	38.2	37.4	10.10	10.70	10.77	391.88	408.74	402.80
Minneapolis-St. Paul	40.6	40.8	40.9	10.43	10.79	10.99	423.46	440.23	449.49
St. Cloud	39.3	40.8	39.4	8.95	9.54	9.40	351.74	389.23	370.36
Mississippi	40.6	40.6	40.2	6.95	7.22	7.46	282.17	293.13	299.89
Jackson	41.1	41.1	40.2	7.81	8.17	8.30	320.99	335.79	333.66
Missouri	40.5	40.2	40.5	9.31	9.57	9.80	377.06	384.71	396.90
Kansas City	41.3	41.2	40.6	10.55	11.13	11.16	435.72	458.56	453.10
St. Joseph	39.2	40.0	39.9	8.41	8.85	9.34	329.67	354.00	372.67
St. Louis	40.9	40.2	40.8	10.62	11.11	11.28	434.36	446.62	460.22
Springfield	39.3	40.0	41.2	8.46	8.82	8.86	332.49	352.80	365.03
Montana	39.2	39.1	39.4	10.76	10.95	10.95	421.79	428.15	431.43
Nebraska	40.5	40.3	40.4	8.93	9.02	9.26	361.67	363.51	374.10
Lincoln	40.9	39.1	40.2	9.32	9.61	9.70	381.19	375.75	389.94
Omaha	40.4	40.4	40.4	9.35	9.64	9.63	377.74	389.46	397.13
Nevada	39.8	40.4	40.2	9.12	9.15	9.36	362.98	369.66	376.27
Las Vegas	39.6	39.9	39.4	11.37	11.07	11.32	450.25	441.69	446.01

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
ANNUAL AVERAGES**

2. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
New Hampshire	41.0	40.7	41.2	\$7.86	\$8.39	\$8.80	\$322.26	\$341.47	\$362.56
Nashua	41.3	40.9	41.6	9.30	9.89	10.52	384.09	404.50	437.63
New Jersey ..	41.1	40.8	41.2	9.50	9.86	10.13	390.45	402.29	417.36
New Mexico	39.9	39.8	39.5	7.97	8.41	8.78	318.00	334.72	346.81
Albuquerque	39.4	39.8	39.8	7.80	8.37	8.89	307.32	333.13	353.82
New York	39.8	39.8	39.9	9.22	9.67	9.92	366.96	384.87	395.81
Albany-Schenectady-Troy	40.4	40.1	40.6	9.39	9.66	10.23	379.36	387.37	415.34
Binghamton	41.1	40.1	40.3	8.24	8.56	8.97	338.66	343.26	361.49
Buffalo	41.5	42.1	42.4	11.45	12.10	12.03	475.18	509.41	510.07
Elmira	40.6	40.2	41.1	8.97	9.08	9.43	364.18	365.02	387.57
Glens Falls	39.5	40.2	40.9	9.32	9.55	9.61	368.14	383.91	393.05
Nassau-Suffolk	40.5	40.4	40.4	9.11	9.46	10.04	368.96	382.18	405.62
New York PMSA	37.3	37.4	37.4	8.38	8.83	9.17	312.57	330.24	342.96
New York City	36.9	37.0	37.0	8.28	8.67	9.01	305.53	320.79	333.37
Niagara Falls	42.3	42.4	41.7	11.81	12.57	12.67	499.56	532.97	528.34
Orange County	39.2	38.1	38.9	7.01	7.24	7.90	274.79	275.84	307.31
Poughkeepsie	43.2	42.3	42.4	8.60	8.67	9.03	371.52	366.74	382.87
Rochester	42.1	42.2	41.6	11.09	11.74	11.98	466.89	495.43	498.37
Rockland County	40.4	41.7	40.9	9.50	9.32	9.59	383.80	388.64	392.23
Syracuse	41.4	40.9	41.0	10.42	10.90	11.20	431.39	445.81	459.20
Utica-Rome	41.2	41.3	41.5	8.40	8.65	9.31	346.08	357.25	386.37
Westchester County	39.8	39.5	39.1	8.90	10.02	10.28	354.22	395.79	401.95
North Carolina	39.9	39.6	40.7	7.01	7.29	7.54	279.70	288.68	306.88
Asheville	41.0	41.1	41.4	7.07	7.35	7.61	289.87	302.09	315.05
Charlotte-Gastonia-Rock Hill	40.1	39.7	41.5	7.08	7.41	7.74	283.91	294.18	321.21
Greensboro-Winston-Salem-High Point ..	39.4	39.2	40.2	7.68	7.99	8.32	302.59	313.21	334.46
Raleigh-Durham	41.3	41.2	41.5	8.04	8.28	8.58	332.05	341.14	356.07
North Dakota	38.4	38.6	38.2	7.86	8.05	8.18	301.82	310.73	312.48
Fargo-Moorhead	37.5	38.0	37.5	8.24	8.33	8.46	309.00	316.54	317.25
Ohio	42.3	42.0	42.1	10.96	11.38	11.56	463.61	477.96	486.68
Akron	43.7	43.2	43.2	10.77	11.00	11.22	470.65	475.20	484.70
Canton	40.4	39.8	40.3	10.83	10.95	11.21	437.53	435.81	451.76
Cincinnati	41.8	41.4	42.1	10.56	10.67	10.76	441.41	441.74	453.00
Cleveland	42.0	41.8	42.1	10.86	11.19	11.44	456.12	467.74	481.62
Columbus	40.5	40.9	41.1	10.52	10.83	11.22	426.06	442.95	461.14
Dayton-Springfield	42.6	43.2	42.8	11.13	11.97	12.03	474.14	517.10	514.88
Toledo	43.2	42.6	42.4	11.63	12.29	12.43	502.42	523.55	527.03
Youngstown-Warren	43.3	43.1	41.6	12.84	13.24	13.30	555.97	570.64	553.28
Oklahoma	41.6	41.3	41.3	9.64	9.86	9.80	401.02	407.22	404.74
Oklahoma City	41.2	41.5	40.3	10.03	10.68	10.86	413.24	443.22	437.66
Tulsa	40.7	39.8	39.8	10.26	10.42	10.49	417.58	414.72	417.50
Oregon	39.2	38.7	39.0	10.44	10.50	10.56	409.25	406.35	411.84
Eugene-Springfield	39.2	39.4	39.6	10.69	10.77	10.81	419.05	424.34	428.08
Portland	39.6	38.6	39.3	10.42	10.45	10.87	412.63	403.37	427.19
Salem	37.5	36.8	37.2	8.76	8.83	9.02	328.50	324.94	335.54

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
ANNUAL AVERAGES

2. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Pennsylvania	40.2	39.9	40.2	\$9.28	\$9.57	\$9.74	\$373.06	\$381.84	\$391.55
Allentown-Bethlehem	39.1	39.2	38.8	9.86	10.28	10.21	385.53	402.98	396.15
Altoona	39.3	39.2	38.8	8.12	8.31	8.56	319.12	325.75	332.13
Beaver County	41.2	39.8	41.0	11.47	11.54	11.68	472.56	459.29	478.88
Erie	42.1	42.0	41.9	9.88	10.09	10.21	415.95	423.78	427.80
Harrisburg-Lebanon-Carlisle	39.9	39.5	39.8	8.94	9.07	9.25	356.71	358.27	368.15
Johnstown	37.2	37.3	37.8	8.37	8.34	8.30	311.36	311.08	313.74
Lancaster	39.9	39.9	40.2	8.69	9.24	9.45	346.73	368.68	379.89
Philadelphia PMSA	40.3	40.1	40.3	9.65	10.02	10.43	388.90	401.80	420.33
Pittsburgh	41.0	40.7	41.2	10.78	11.02	11.07	441.98	448.51	456.08
Reading	40.6	40.2	40.5	9.43	9.80	9.91	382.86	393.96	401.36
Scranton-Wilkes-Barre	38.1	38.2	38.5	7.76	8.17	8.55	295.66	312.09	329.18
Sharon	(¹)	(¹)	40.4	(¹)	(¹)	11.38	(¹)	(¹)	459.75
State College	(¹)	(¹)	39.1	(¹)	(¹)	8.03	(¹)	(¹)	313.97
Williamsport	39.4	39.6	40.0	8.18	8.52	8.62	322.29	337.39	344.80
York	41.5	40.9	41.5	8.60	8.91	9.17	356.90	364.42	380.56
Rhode Island	40.9	40.2	40.5	7.33	7.59	7.90	299.80	305.11	319.95
Pawtucket-Woonsocket-Attleboro	40.2	40.3	40.4	6.76	7.20	7.41	270.57	290.16	299.36
Providence	40.6	40.2	39.9	7.39	7.46	7.90	299.83	299.89	315.21
South Carolina	40.8	40.4	41.1	7.28	7.61	7.92	297.07	307.44	325.51
Charleston	42.3	44.5	41.9	8.71	9.31	9.17	368.69	414.30	384.22
Columbia	40.6	40.4	40.2	7.19	7.56	7.72	291.67	305.42	310.34
Greenville-Spartanburg	40.5	40.8	41.3	7.10	7.41	7.76	287.78	302.33	320.49
South Dakota	42.1	41.8	42.0	7.14	7.43	7.72	300.59	310.57	324.24
Sioux Falls	46.6	45.4	45.6	6.93	7.33	7.92	322.94	332.78	361.15
Tennessee	40.9	41.0	41.2	7.93	8.29	8.58	324.34	339.72	353.50
Chattanooga	42.1	41.5	42.0	7.36	7.42	7.62	309.86	307.93	320.04
Johnson City-Kingsport-Bristol	41.8	42.5	43.7	8.44	8.82	9.07	352.49	374.85	396.36
Knoxville	41.1	40.6	39.4	8.80	8.89	8.95	353.76	360.93	352.63
Memphis	41.1	41.8	43.0	8.26	8.64	8.78	339.49	361.15	377.54
Nashville	41.2	40.5	39.6	8.95	9.30	9.56	368.74	376.65	378.58
Texas	41.7	41.2	41.4	9.04	9.41	9.65	376.97	387.69	399.51
Dallas	41.2	41.6	41.9	8.63	9.13	9.45	355.56	379.81	395.96
Ft. Worth-Arlington	42.0	41.3	41.8	8.83	9.39	9.69	370.86	387.81	405.04
Houston	43.0	42.6	42.3	10.79	11.08	11.15	463.97	472.01	471.65
San Antonio	40.6	40.1	41.0	6.72	7.16	7.36	272.83	287.12	301.76
Utah	39.9	40.1	39.9	8.92	9.64	10.05	355.91	386.56	401.00
Salt Lake City-Ogden	40.9	40.3	40.6	8.59	9.23	9.80	351.33	371.97	397.88
Vermont	40.6	40.7	40.7	8.03	8.41	8.83	326.02	342.29	359.38
Burlington	42.6	42.5	42.8	8.89	9.21	9.65	378.71	391.43	413.02
Virginia	40.3	40.1	40.4	8.10	8.51	8.84	326.43	341.25	357.14
Bristol	39.0	38.9	40.4	6.74	7.27	7.45	262.86	282.80	304.98
Charlottesville	40.2	39.5	40.7	7.05	7.13	7.44	283.41	281.64	302.81
Danville	40.4	40.0	40.6	7.49	7.93	8.27	302.60	317.20	335.76
Lynchburg	40.0	39.5	40.8	7.84	8.16	8.42	313.60	322.32	343.54
Northern Virginia	40.3	40.0	40.9	8.66	8.80	9.33	349.00	352.00	381.60
Richmond-Petersburg	40.8	40.5	40.5	10.47	10.62	11.17	427.18	430.11	452.39
Roanoke	40.9	41.0	40.7	7.38	7.64	8.24	301.84	313.24	335.37

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
ANNUAL AVERAGES**

2. 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		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Washington	38.8	39.0	39.4	\$11.57	\$11.63	\$11.77	\$448.92	\$453.57	\$463.74
West Virginia	40.3	39.9	40.3	9.93	10.24	10.38	400.18	408.58	418.31
Charleston	43.0	42.1	42.2	12.19	12.65	12.78	524.17	532.57	539.32
Huntington-Ashland	39.5	38.8	39.3	11.20	11.39	11.72	442.40	441.93	460.60
Parkersburg-Marietta	41.7	41.8	42.2	11.05	11.63	12.22	460.79	486.13	515.68
Wheeling	40.4	40.5	40.5	11.40	11.60	11.62	460.56	469.80	470.61
Wisconsin	41.1	41.1	41.3	10.03	10.26	10.35	412.23	421.69	427.46
Appleton-Oshkosh	42.6	42.9	42.6	9.75	10.08	10.32	415.35	432.43	439.63
Eau Claire	41.4	41.4	40.5	9.92	10.32	10.42	410.69	427.25	422.01
Green Bay	41.4	41.8	42.1	10.58	11.05	11.22	438.01	461.89	472.36
Janesville-Beloit	41.0	41.0	39.8	11.55	12.13	11.98	473.55	497.33	476.80
Kenosha	40.4	38.9	40.0	11.70	12.18	11.16	472.68	473.80	446.40
La Crosse	38.7	38.8	39.3	8.84	9.04	9.26	342.11	350.75	363.92
Madison	41.0	41.0	40.9	9.53	9.51	9.76	390.73	389.91	399.18
Milwaukee	41.3	41.0	41.2	11.24	11.55	11.65	464.21	473.55	479.98
Racine	40.2	39.4	40.3	10.58	10.58	10.86	425.32	416.85	437.66
Sheboygan	40.0	39.6	40.7	9.56	9.58	9.51	382.40	379.37	387.06
Wausau	41.7	41.9	41.8	9.32	9.60	9.79	388.64	402.24	409.22
Wyoming	39.5	40.9	39.0	9.14	9.64	9.70	361.03	394.28	378.30
Puerto Rico	38.7	38.5	39.0	5.02	5.19	5.31	194.27	199.82	207.09
Virgin Islands	42.7	41.7	42.1	9.51	9.44	9.77	405.41	393.65	411.32

¹ Not available.

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

publication. All State and area data have been adjusted to March 1986 benchmarks.

**STATE AND AREA LABOR FORCE DATA
ANNUAL AVERAGES**

3. Labor force status by State and selected metropolitan areas

(Numbers in thousands)

State and area	Civilian labor force		Unemployed			
			Number		Percent of labor force	
	1985	1986	1985	1986	1985	1986
Alabama	1,802.0	1,883.0	160.0	185.0	8.9	9.8
Birmingham	417.8	440.7	30.2	36.4	7.2	8.3
Huntsville	117.7	126.3	7.0	9.1	6.0	7.2
Mobile	203.3	211.1	18.7	22.5	9.2	10.7
Montgomery	127.7	134.4	9.2	10.1	7.2	7.5
Tuscaloosa	64.3	68.4	4.4	5.3	6.8	7.7
Alaska	250.0	256.0	24.0	28.0	9.7	10.8
Arizona	1,477.0	1,586.0	96.0	110.0	6.5	6.9
Phoenix	914.8	983.1	46.6	55.0	5.1	5.6
Tucson	289.4	308.4	15.3	17.6	5.3	5.7
Arkansas	1,052.0	1,073.0	91.0	94.0	8.7	8.7
Fayetteville-Springdale	53.1	54.5	2.4	2.6	4.5	4.8
Fort Smith	84.1	87.4	6.6	6.4	7.8	7.3
Little Rock-North Little Rock ..	246.6	252.0	15.6	17.4	6.3	6.9
Pine Bluff	35.7	37.7	3.3	3.1	9.2	8.3
California	12,995.0	13,365.0	935.0	892.0	7.2	6.7
Anaheim-Santa Ana ..	1,198.1	1,249.9	52.2	49.9	4.4	4.0
Bakersfield	219.2	222.5	25.2	26.7	11.5	12.0
Fresno	286.2	292.5	37.0	36.1	12.9	12.3
Los Angeles-Long Beach	3,995.0	4,095.0	281.0	273.0	7.0	6.7
Modesto	141.0	145.2	21.5	20.4	15.2	14.1
Oakland	982.8	1,015.2	62.1	59.4	6.3	5.8
Oxnard-Ventura	310.0	323.5	22.6	22.3	7.3	6.9
Riverside-San Bernardino	797.2	851.6	56.9	54.6	7.1	6.4
Sacramento	615.3	644.6	43.6	40.0	7.1	6.2
Salinas-Seaside-Monterey	148.2	151.2	15.7	15.6	10.6	10.3
San Diego	967.2	1,017.6	51.3	50.7	5.3	5.0
San Francisco	862.3	870.6	42.5	39.6	4.9	4.5
San Jose	812.0	800.5	47.8	46.3	5.9	5.8
Santa Barbara-Santa Maria-Lompoc	171.4	177.0	9.6	9.1	5.6	5.1
Santa Rosa-Petaluma	173.8	180.1	10.7	10.3	6.1	5.7
Stockton	181.4	183.4	23.2	21.3	12.8	11.6
Vallejo-Fairfield-Napa	170.1	180.0	12.2	11.7	7.2	6.5
Colorado	1,719.0	1,694.0	101.0	126.0	5.9	7.4
Boulder-Longmont	131.6	129.6	6.7	7.7	5.1	6.0
Denver	914.9	900.0	45.2	59.8	4.9	6.6
Connecticut	1,711.0	1,740.0	83.0	66.0	4.9	3.8
Bridgeport-Milford	227.7	229.6	13.0	10.8	5.7	4.7
Hartford	405.2	417.9	18.3	13.9	4.5	3.3
New Britain	73.0	74.5	4.0	3.2	5.5	4.3
New Haven-Meriden	265.8	271.2	12.9	10.0	4.9	3.7
Stamford	115.5	116.9	3.9	3.2	3.4	2.8
Waterbury	103.1	102.8	6.5	5.6	6.3	5.4
Delaware	317.0	325.0	17.0	14.0	5.3	4.3
Wilmington	275.0	281.6	15.1	14.1	5.5	5.0
District of Columbia	325.0	328.0	27.0	25.0	8.4	7.7
Washington	1,970.8	2,041.2	73.8	71.5	3.7	3.5
Florida	5,344.0	5,588.0	320.0	320.0	6.0	5.7
Daytona Beach	131.0	138.9	6.3	7.0	4.8	5.0
Fort Lauderdale-Hollywood-Pompano Beach	559.6	581.2	27.1	25.9	4.8	4.4
Fort Myers-Cape Coral	114.4	122.6	5.5	5.2	4.8	4.2
Gainesville	95.3	100.0	3.3	3.4	3.4	3.4
Jacksonville	399.4	419.0	20.8	22.6	5.2	5.4
Lakeland-Winter Haven	167.2	169.6	18.4	17.9	11.0	10.6
Melbourne-Titusville-Palm Bay	162.8	169.8	7.6	10.2	4.7	6.0
Miami-Hialeah	875.9	892.9	65.7	59.7	7.5	6.7
Orlando	483.6	522.7	23.5	24.3	4.9	4.6
Pensacola	139.1	145.3	8.2	9.6	5.9	6.6
Sarasota	103.3	108.2	4.4	4.3	4.2	4.0
Tallahassee	110.8	116.5	4.5	4.4	4.1	3.8
Tampa-St. Petersburg-Clearwater	877.0	917.8	43.5	46.8	5.0	5.1
West Palm Beach-Boca Raton-DeLray Beach	347.8	368.5	21.6	21.8	6.2	5.9

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
ANNUAL AVERAGES**

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

(Numbers in thousands)

State and area	Civilian labor force		Unemployed			
			Number		Percent of labor force	
	1985	1986	1985	1986	1985	1986
Georgia	2,880.0	3,014.0	188.0	178.0	6.5	5.9
Albany	55.3	56.4	4.9	6.2	8.8	10.9
Athens	68.5	71.7	4.0	3.6	5.8	5.1
Atlanta	1,314.7	1,404.6	65.7	64.7	5.0	4.6
Augusta	166.4	173.1	10.6	10.1	6.4	5.8
Columbus	96.7	98.8	7.8	7.5	8.0	7.6
Macon-Warner Robins	123.6	127.1	8.9	7.7	7.2	6.0
Savannah	103.0	107.9	7.4	7.0	7.2	6.5
Hawaii	478.0	488.0	27.0	24.0	5.6	4.8
Honolulu	358.9	366.7	18.5	16.2	5.1	4.4
Idaho	465.0	468.0	37.0	41.0	7.9	8.7
Boise City	99.8	101.6	5.9	6.0	5.9	5.9
Illinois	5,668.0	5,686.0	513.0	461.0	9.0	8.1
Aurora-Elgin	167.4	169.7	13.2	11.7	7.9	6.9
Bloomington-Normal	61.8	62.9	3.8	3.4	6.2	5.5
Champaign-Urbana-Rantoul	81.9	84.9	4.5	3.9	5.5	4.6
Chicago	3,107.4	3,115.2	255.7	230.2	8.2	7.4
Davenport-Rock Island-Moline	178.2	182.8	19.4	17.6	10.9	9.6
Decatur	58.7	59.7	6.3	6.4	10.7	10.6
Joliet	188.0	189.8	15.8	14.0	8.4	7.4
Kankakee	44.7	44.5	5.2	4.5	11.6	10.1
Lake County	250.0	252.8	14.9	13.1	5.9	5.2
Peoria	155.1	153.8	17.0	13.8	11.0	9.0
Rockford	144.1	146.3	13.9	12.8	9.6	8.7
Springfield	103.7	105.7	6.9	6.0	6.6	5.7
Indiana	2,728.0	2,750.0	215.0	185.0	7.9	6.7
Anderson	61.6	61.4	4.5	3.9	7.3	6.4
Bloomington	56.6	57.5	3.1	2.2	5.5	3.9
Elkhart-Goshen	87.5	89.5	5.5	4.4	6.3	4.9
Evansville	143.4	143.9	11.0	9.8	7.7	6.8
Fort Wayne	182.9	189.6	11.6	9.9	6.3	5.2
Gary-Hammond	266.0	259.3	32.7	30.3	12.3	11.7
Indianapolis	630.9	647.4	38.8	33.2	6.1	5.1
Kokomo	49.5	50.2	3.5	4.4	7.1	8.8
Lafayette	63.9	64.5	3.0	2.5	4.7	3.9
Muncie	59.1	59.5	4.9	4.2	8.2	7.1
South Bend-Mishawaka	125.0	126.0	8.7	7.4	6.9	5.9
Terre Haute	60.6	60.3	5.1	4.2	8.4	7.0
Iowa	1,412.0	1,432.0	112.0	100.0	8.0	7.0
Cedar Rapids	85.7	88.2	6.2	5.5	7.2	6.2
Des Moines	204.9	213.2	13.1	12.1	6.4	5.7
Dubuque	42.3	43.0	4.0	3.3	9.6	7.7
Iowa City	54.7	56.4	1.7	1.5	3.1	2.7
Sioux City	56.6	57.7	4.8	4.6	8.5	7.9
Waterloo-Cedar Falls	70.1	69.1	9.6	8.5	13.7	12.2
Kansas	1,235.0	1,224.0	62.0	67.0	5.0	5.4
Lawrence	36.4	37.2	1.4	1.4	3.9	3.8
Topeka	87.2	86.5	4.4	4.4	5.1	5.1
Wichita LMA	223.1	222.9	12.9	13.3	5.8	6.0
Kentucky	1,696.0	1,690.0	161.0	156.0	9.5	9.3
Lexington-Fayette	179.8	179.5	9.2	9.5	5.1	5.3
Louisville	493.6	492.7	39.3	34.7	8.0	7.0
Owensboro	45.7	45.4	4.7	4.8	10.2	10.6
Louisiana	1,986.0	1,988.0	228.0	261.0	11.5	13.1
Alexandria	57.8	60.5	5.9	6.3	10.1	10.5
Baton Rouge	260.2	263.5	26.8	28.8	10.3	10.9
Houma-Thibodaux	79.4	77.5	9.1	13.4	11.5	17.2
Lafayette	111.5	108.1	10.0	15.0	9.0	13.9
Lake Charles	76.3	75.7	11.3	10.9	14.9	14.4
Monroe	68.5	70.0	6.5	7.1	9.5	10.1
New Orleans	610.5	607.0	66.7	65.9	10.9	10.9
Shreveport	169.4	168.8	15.3	20.2	9.0	11.9
Maine	553.0	562.0	30.0	30.0	5.4	5.3
Lewiston-Auburn	40.1	40.3	2.9	2.8	7.1	7.0
Portland	112.1	117.2	3.4	3.0	3.0	2.6

See footnotes at end of table.

STATE AND AREA LABOR FORCE DATA
ANNUAL AVERAGES

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

(Numbers in thousands)

State and area	Civilian labor force		Unemployed			
			Number		Percent of labor force	
	1985	1986	1985	1986	1985	1986
Maryland	2,261.0	2,358.0	104.0	105.0	4.6	4.5
Baltimore	1,111.0	1,150.3	59.4	59.3	5.3	5.2
Massachusetts	3,050.0	3,051.0	120.0	117.0	3.9	3.8
Boston	1,515.3	1,513.7	51.0	49.5	3.4	3.3
Brockton	94.5	95.5	4.0	4.1	4.2	4.3
Fall River	76.7	76.5	5.0	4.9	6.5	6.5
Fitchburg-Leominster	46.1	46.4	2.2	2.2	4.7	4.8
Lawrence-Haverhill	181.8	182.6	9.0	8.8	5.0	4.8
Lowell	148.9	148.8	5.7	6.0	3.8	4.1
New Bedford	87.7	84.8	5.7	5.2	6.5	6.2
Pittsfield	40.4	40.9	1.7	1.7	4.3	4.1
Springfield	247.5	246.7	10.9	10.3	4.4	4.2
Worcester	204.7	207.7	7.6	7.7	3.7	3.7
Michigan	4,355.0	4,393.0	433.0	385.0	9.9	8.8
Ann Arbor	144.6	149.4	9.0	7.0	6.2	4.7
Battle Creek	61.9	61.4	6.6	5.6	10.6	9.1
Benton Harbor	75.4	75.4	8.4	6.8	11.1	9.0
Detroit	2,097.3	2,129.0	191.6	174.5	9.1	8.2
Flint	201.2	201.9	24.6	21.5	12.2	10.6
Grand Rapids	329.0	332.0	28.8	24.7	8.7	7.4
Jackson	61.4	61.5	6.6	5.6	10.8	9.1
Kalamazoo	107.7	110.6	7.7	6.6	7.1	6.0
Lansing-East Lansing	224.7	228.9	17.1	16.0	7.6	7.0
Muskegon	68.9	67.5	8.7	7.4	12.6	11.0
Saginaw-Bay City-Midland	180.6	181.9	19.8	18.1	11.0	10.0
Minnesota	2,221.0	2,213.0	133.0	118.0	6.0	5.3
Duluth	103.4	102.0	11.3	9.7	10.9	9.5
Minneapolis-St. Paul	1,294.5	1,306.8	59.1	54.9	4.6	4.2
Rochester	56.6	55.8	2.5	2.2	4.4	3.9
St. Cloud	86.8	88.1	6.4	5.1	7.3	5.8
Mississippi	1,129.0	1,163.0	116.0	136.0	10.3	11.7
Jackson	187.5	195.4	12.9	15.5	6.9	7.9
Missouri	2,463.0	2,529.0	158.0	154.0	6.4	6.1
Kansas City	783.9	796.8	36.8	37.0	4.7	4.6
St. Joseph	40.8	41.3	2.9	3.2	7.1	7.6
St. Louis	1,206.7	1,237.3	89.9	86.8	7.4	7.0
Springfield	112.0	115.9	5.8	5.4	5.2	4.7
Montana	405.0	407.0	31.0	33.0	7.7	8.1
Nebraska	804.0	803.0	44.0	40.0	5.5	5.0
Lincoln	116.4	117.7	4.1	3.7	3.6	3.1
Omaha	310.2	312.6	18.1	16.7	5.8	5.3
Nevada	521.0	541.0	42.0	32.0	8.0	6.0
Las Vegas	296.3	310.0	25.4	19.1	8.6	6.2
Reno	132.7	136.3	9.1	7.0	6.8	5.1
New Hampshire	538.0	562.0	21.0	16.0	3.9	2.8
Nashua	88.3	91.5	3.2	2.7	3.6	2.9
Portsmouth-Dover-Rochester	120.0	124.6	4.6	3.4	3.9	2.7
New Jersey	3,835.0	3,892.0	217.0	196.0	5.7	5.0
Atlantic City	166.2	171.5	14.0	12.3	8.4	7.2
Bergen-Passaic	699.5	704.1	37.4	32.7	5.3	4.6
Jersey City	265.3	267.5	24.3	21.5	9.2	8.0
Middlesex-Somerset-Hunterdon	522.8	533.6	22.6	20.4	4.3	3.8
Monmouth-Ocean	437.2	452.7	20.0	18.5	4.6	4.1
Newark	963.4	962.7	56.8	51.4	5.9	5.3
Trenton	161.4	167.9	7.6	7.2	4.7	4.3
Vineland-Milville-Bridgeton	56.2	56.8	5.9	5.3	10.5	9.3
New Mexico	642.0	672.0	57.0	62.0	8.8	9.2
Albuquerque	240.5	253.6	16.2	16.4	6.7	6.5
Las Cruces	49.7	55.3	4.3	4.1	8.6	7.4
Santa Fe	59.1	63.9	3.2	3.5	5.3	5.5

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
ANNUAL AVERAGES**

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

(Numbers in thousands)

State and area	Civilian labor force		Unemployed			
			Number		Percent of labor force	
	1985	1986	1985	1986	1985	1986
New York	8,312.0	8,408.0	544.0	526.0	6.5	6.3
Albany-Schenectady-Troy	406.0	412.3	21.1	21.4	5.2	5.2
Binghamton	126.4	126.0	7.7	7.7	6.1	6.1
Buffalo ..	428.7	439.3	31.4	31.8	7.3	7.2
Elmira	38.9	39.6	3.2	2.7	8.3	6.8
Glens Falls	50.3	52.0	3.5	3.6	7.0	6.9
Nassau-Suffolk	1,361.7	1,406.6	61.8	61.1	4.5	4.3
New York	3,879.6	3,876.9	285.7	261.1	7.4	6.7
New York City ..	3,225.0	3,208.0	261.0	236.0	8.1	7.4
Orange County ..	122.5	126.0	6.4	6.4	5.3	5.1
Poughkeepsie ..	126.6	126.5	4.5	4.8	3.6	3.8
Rochester	484.7	493.7	25.1	28.1	5.2	5.7
Syracuse	311.2	317.3	18.3	23.5	5.9	7.4
Utica-Rome ..	133.6	135.2	9.9	9.6	7.4	7.1
North Carolina	3,121.0	3,194.0	168.0	170.0	5.4	5.3
Asheville	85.2	85.8	4.2	4.5	5.0	5.2
Charlotte-Gastonia-Rock Hill	576.2	594.9	29.2	27.5	5.1	4.6
Greensboro-Winston-Salem-High Point ..	490.0	499.8	22.0	23.3	4.5	4.7
Raleigh-Durham ..	366.6	381.9	10.1	12.5	2.8	3.3
North Dakota ..	333.0	331.0	20.0	21.0	5.9	6.3
Bismarck	44.7	44.2	3.3	3.1	7.3	7.0
Fargo-Moorhead ..	80.2	81.5	3.4	3.4	4.2	4.2
Grand Forks ..	34.0	34.5	1.3	1.3	3.8	3.8
Ohio	5,139.0	5,234.0	456.0	426.0	8.9	8.1
Akron	317.8	319.5	27.9	25.6	8.8	8.0
Canton	189.5	190.3	20.0	19.4	10.6	10.2
Cincinnati	710.7	726.5	51.6	47.2	7.3	6.5
Cleveland	926.0	934.3	76.8	70.2	8.3	7.5
Columbus	649.4	675.7	43.8	41.3	6.7	6.1
Dayton-Springfield ..	450.4	462.0	32.4	30.4	7.2	6.6
Toledo	296.5	308.0	24.3	25.9	8.2	8.4
Youngstown-Warren	221.3	224.9	25.0	23.8	11.3	10.6
Oklahoma ..	1,562.0	1,593.0	112.0	131.0	7.1	8.2
Enid	31.7	31.2	2.2	2.5	6.9	7.9
Lawton	46.6	48.4	2.3	2.4	5.0	5.0
Oklahoma City ..	508.7	517.1	30.1	34.8	5.9	6.7
Tulsa	344.7	357.9	25.1	30.2	7.3	8.5
Oregon	1,315.0	1,347.0	116.0	114.0	8.8	8.5
Eugene-Springfield ..	129.6	132.9	11.5	11.4	8.9	8.5
Portland	594.6	608.0	44.0	43.8	7.4	7.2
Salem ..	120.4	124.4	9.9	10.6	8.2	8.5
Pennsylvania	5,528.0	5,634.0	443.0	386.0	8.0	6.8
Allentown-Bethlehem	316.3	319.4	25.4	23.5	8.0	7.4
Altoona	57.5	58.6	5.8	5.4	10.1	9.2
Beaver County	67.8	65.0	10.2	8.1	15.1	12.5
Erie	126.6	128.7	10.9	10.9	8.6	8.5
Harrisburg-Lebanon-Carlisle	297.2	302.5	16.6	14.3	5.6	4.7
Johnstown	94.9	94.7	12.1	10.1	12.8	10.7
Lancaster	198.0	207.6	8.9	7.1	4.5	3.4
Philadelphia	2,293.8	2,364.9	136.2	123.2	5.9	5.2
Pittsburgh	955.9	953.5	89.9	76.2	9.4	8.0
Reading	166.2	169.1	12.1	10.8	7.3	6.4
Scranton-Wilkes-Barre ..	337.4	345.3	32.0	28.6	9.5	8.3
Sharon	49.4	49.3	4.9	4.1	9.9	8.4
State College	55.6	57.4	4.1	3.5	7.4	6.0
Williamsport	54.3	55.9	5.1	3.9	9.3	7.1
York	202.4	206.6	13.7	10.9	6.8	5.3
Rhode Island ..	500.0	510.0	25.0	21.0	4.9	4.0
Pawtucket-Woonsocket-Attleboro	162.8	166.1	9.1	8.1	5.6	4.9
Providence ..	326.1	332.1	16.0	13.3	4.9	4.0
South Carolina ..	1,562.0	1,602.0	107.0	100.0	6.8	6.2
Charleston	208.1	216.9	9.1	10.1	4.4	4.7
Columbia	212.8	220.2	7.9	8.5	3.7	3.8
Greenville-Spartanburg ..	307.3	318.3	18.4	16.9	6.0	5.3
South Dakota ..	343.0	345.0	18.0	16.0	5.1	4.7
Rapid City	37.4	37.9	2.0	1.7	5.4	4.6
Sioux Falls ..	68.0	68.6	3.1	2.8	4.6	4.1

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
ANNUAL AVERAGES**

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

(Numbers in thousands)

State and area	Civilian labor force		Unemployed			
			Number		Percent of labor force	
	1985	1986	1985	1986	1985	1986
Tennessee	2,257.0	2,301.0	180.0	185.0	8.0	8.0
Chattanooga	196.9	200.8	14.4	14.2	7.3	7.1
Johnson City-Kingsport-Bristol	208.8	208.8	15.9	15.7	7.6	7.5
Knoxville	273.1	275.9	20.2	21.5	7.4	7.8
Memphis LMA	419.3	432.4	27.7	29.5	6.6	6.8
Nashville	489.6	503.2	22.9	24.9	4.7	4.9
Texas	8,080.0	8,159.0	565.0	726.0	7.0	8.9
Abilene	56.3	55.4	3.2	5.0	5.7	9.0
Amarillo	101.0	98.8	5.9	6.6	5.8	6.7
Austin	410.7	421.6	17.2	23.7	4.2	5.6
Beaumont-Port Arthur	169.0	163.3	22.8	23.6	13.5	14.4
Brazoria	80.0	80.9	6.8	8.9	8.4	11.0
Brownsville-Harlingen	92.5	94.5	13.4	15.0	14.5	15.9
Bryan-College Station	56.5	57.5	2.7	3.7	4.8	6.4
Corpus Christi	166.0	165.3	15.4	20.2	9.3	12.2
Dallas	1,374.5	1,407.4	64.0	80.1	4.7	5.7
El Paso	216.2	224.6	23.3	25.9	10.8	11.5
Fort Worth-Arlington	630.6	649.9	31.6	42.5	5.0	6.5
Galveston-Texas City	107.8	107.5	11.1	12.2	10.3	11.3
Houston	1,644.6	1,612.3	128.5	165.5	7.8	10.3
Killeen-Temple	85.3	88.4	5.9	6.9	6.9	7.7
Laredo	42.6	44.1	6.0	7.3	14.1	16.5
Longview-Marshall	80.7	80.6	7.8	10.0	9.6	12.4
Lubbock	109.1	110.1	6.6	7.5	6.0	6.8
McAllen-Edinburg-Mission	138.6	143.3	26.4	28.1	19.0	19.6
Midland	53.8	52.4	2.9	5.6	5.4	10.6
Odessa	62.0	59.8	3.9	8.8	6.3	14.7
San Angelo	45.1	45.4	2.4	3.2	5.2	7.0
San Antonio	560.6	577.9	33.5	41.9	6.0	7.3
Sherman-Denison	47.1	48.1	3.2	3.6	6.9	7.5
Texarkana	56.7	56.9	4.8	5.2	8.5	9.1
Tyler	75.1	75.8	5.1	6.7	6.8	8.9
Victoria	38.8	38.2	2.6	3.9	6.7	10.2
Waco	88.4	90.5	5.2	7.1	5.9	7.8
Wichita Falls	56.8	56.7	3.4	4.7	6.0	8.3
Utah	731.0	755.0	43.0	45.0	5.9	6.0
Provo-Orem	93.4	97.6	6.1	6.2	6.5	6.4
Salt Lake City-Ogden	480.8	498.2	25.6	26.6	5.3	5.3
Vermont	278.0	292.0	13.0	14.0	4.8	4.7
Burlington	68.8	72.5	2.3	2.5	3.4	3.4
Virginia	2,857.0	2,885.0	160.0	145.0	5.6	5.0
Charlottesville	63.9	63.2	3.2	2.5	5.1	3.9
Danville	52.5	50.6	5.6	4.8	10.7	9.5
Lynchburg	71.8	69.4	4.7	4.3	6.6	6.3
Norfolk-Virginia Beach-Newport News	563.2	571.8	28.9	27.9	5.1	4.9
Richmond-Petersburg	406.7	409.3	19.3	18.0	4.8	4.4
Roanoke	115.7	116.9	5.7	5.6	4.9	4.8
Washington	2,087.0	2,178.0	170.0	179.0	8.1	8.2
Seattle	906.4	955.4	60.0	62.1	6.6	6.5
West Virginia	764.0	743.0	100.0	88.0	13.0	11.8
Charleston	119.1	116.3	12.8	10.9	10.7	9.4
Huntington-Ashland	129.5	126.6	15.4	13.9	11.9	11.0
Parkersburg-Marietta	72.4	71.9	8.0	7.8	11.1	10.9
Wheeling	75.0	72.0	10.1	8.3	13.4	11.5
Wisconsin	2,373.0	2,399.0	171.0	169.0	7.2	7.0
Appleton-Oshkosh-Neenah	154.7	158.1	10.8	10.8	7.0	6.8
Eau Claire	65.7	67.9	4.8	4.5	7.2	6.6
Green Bay	97.6	100.3	6.0	6.0	6.2	6.0
Janesville-Beloit	68.1	69.1	4.9	6.2	7.3	9.0
Kenosha	54.1	51.9	6.2	6.5	11.5	12.4
La Crosse	50.0	50.1	3.0	3.0	6.1	5.9
Madison	200.1	203.9	8.8	9.1	4.4	4.5
Milwaukee	700.1	710.8	44.7	43.5	6.4	6.1
Racine	83.8	84.6	7.8	7.2	9.3	8.5
Sheboygan	51.8	51.9	3.3	3.2	6.4	6.2
Wausau	56.3	57.1	4.6	4.3	8.3	7.5
Wyoming	250.0	249.0	18.0	22.0	7.1	9.0

NOTE: Annual averages for States are obtained directly from the Current Population Survey. Estimates for all sub-state areas except New York City and Los Angeles-Long Beach are based on administrative statistics adjusted to the statewide

totals. See the Explanatory Notes for State and Area Labor Force Data. Area definitions are published annually in the May issue of this publication. Data for 1985-86 have been adjusted to new benchmark levels.

Area definitions

State and area	Type of area	Definition
Alabama		
Birmingham	MSA	Blount, Jefferson, St. Clair, Shelby, and Walker Counties
Huntsville	MSA	Madison County
Mobile	MSA	Baldwin and Mobile Counties
Montgomery	MSA	Autauga, Elmore, and Montgomery Counties
Tuscaloosa	MSA	Tuscaloosa County
Arizona		
Phoenix	MSA	Maricopa County
Tucson	MSA	Pima County
Arkansas		
Fayetteville-Springdale	MSA	Washington County
Fort Smith	MSA	Crawford and Sebastian Counties, Ark.; Sequoyah County, Okla.
Little Rock-North Little Rock	MSA	Faulkner, Lonoke, Pulaski, and Saline Counties
Pine Bluff	MSA	Jefferson County
California		
Anaheim-Santa Ana	PMSA	Orange County
Bakersfield	MSA	Kern County
Fresno	MSA	Fresno County
Los Angeles-Long Beach	PMSA	Los Angeles County
Modesto	MSA	Stanislaus County
Oakland	PMSA	Alameda and Contra Costa Counties
Oxnard-Ventura	PMSA	Ventura County
Riverside-San Bernardino	PMSA	Riverside and San Bernardino Counties
Sacramento	MSA	El Dorado, Placer, Sacramento, and Yolo Counties
Salinas-Seaside-Monterey	MSA	Monterey County
San Diego	MSA	San Diego County
San Francisco	PMSA	Marin, San Francisco, and San Mateo Counties
San Jose	PMSA	Santa Clara County
Santa Barbara-Santa Maria-Lompoc	MSA	Santa Barbara County
Santa Rosa-Petaluma	PMSA	Sonoma County
Stockton	MSA	San Joaquin County
Vallejo-Fairfield-Napa	PMSA	Napa and Solano Counties
Colorado		
Boulder-Longmont	PMSA	Boulder County
Denver	PMSA	Adams, Arapahoe, Denver, Douglas, and Jefferson Counties
Connecticut		
Bridgeport-Milford	PMSA	Bridgeport and Shelton cities, and Easton, Fairfield, Monroe, Stratford, and Trumbull towns in Fairfield County; Ansonia, Derby, and Milford cities and Beacon Falls, Oxford, and Seymour towns in New Haven County
Hartford	PMSA	Hartford city, and Avon, Bloomfield, Canton, East Granby, East Hartford, East Windsor, Enfield, Farmington, Glastonbury, Granby, Manchester, Marlborough, Newington, Rocky Hill, Simsbury, South Windsor, Suffield, West Hartford, Wethersfield, Windsor, and Windsor Locks towns in Hartford County; Barkhamsted and New Hartford towns in Litchfield County; East Haddam town in Middlesex County; Colchester town in New London County; Andover, Bolton, Columbia, Coventry, Ellington, Hebron, Somers, Stafford, Tolland, Vernon, and Willington towns in Tolland County
New Britain	PMSA	New Britain city, and Berlin, Plainville, and Southington towns in Hartford County
New Haven-Meriden	MSA	Clinton and Killingworth towns in Middlesex County; Meriden, New Haven, and West Haven cities, and Bethany, Branford, Cheshire, East Haven, Guilford, Hamden, Madison, North Branford, North Haven, Orange, Wallingford, and Woodbridge towns in New Haven County
Stamford	PMSA	Stamford city, and Darien, Greenwich, and New Canaan towns in Fairfield County
Waterbury	MSA	Bethlehem, Thomaston, Watertown, and Woodbury towns in Litchfield County; Waterbury city, Naugatuck borough, and Middlebury, Prospect, Southbury, and Wolcott towns in New Haven County
Delaware		
Wilmington	PMSA	New Castle County, Del.; Cecil County, Md.; Salem County, N.J.
District of Columbia		
Washington	MSA	District of Columbia; Calvert, Charles, Frederick, Montgomery, and Prince Georges Counties, Md.; Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, Prince William, and Stafford Counties, Va.

Area definitions—Continued

State and area	Type of area	Definition
Florida		
Daytona Beach	MSA	Volusia County
Fort Lauderdale-Hollywood-Pompano Beach	PMSA	Broward County
Fort Myers	MSA	Lee County
Gainesville	MSA	Alachua and Bradford Counties
Jacksonville	MSA	Clay, Duval, Nassau, and St. Johns Counties
Lakeland-Winter Haven	MSA	Polk County
Melbourne-Titusville-Palm Bay	MSA	Brevard County
Miami-Hialeah	PMSA	Dade County
Orlando	MSA	Orange, Osceola, and Seminole Counties
Pensacola	MSA	Escambia and Santa Rosa Counties
Sarasota	MSA	Sarasota County
Tallahassee	MSA	Gadsden and Leon Counties
Tampa-St. Petersburg-Clearwater	MSA	Hernando, Hillsborough, Pasco, and Pinellas Counties
West Palm Beach-Boca Raton-Delray Beach	MSA	Palm Beach County
Georgia		
Albany	MSA	Dougherty and Lee Counties
Athens	MSA	Clarke, Jackson, Madison, and Oconee Counties
Atlanta	MSA	Barrow, Butts, Cherokee, Clayton, Cobb, Coweta, De Kalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Newton, Paulding, Rockdale, Spalding, and Walton Counties
Augusta	MSA	Columbia, McDuffie, and Richmond Counties, Ga.; Aiken County, S.C.
Columbus	MSA	Chattahoochee and Muscogee Counties, Ga.; Russell County, Ala.
Macon-Warner Robins	MSA	Bibb, Houston, Jones, and Peach Counties
Savannah	MSA	Chatham and Effingham Counties
Hawaii		
Honolulu	MSA	Honolulu County
Idaho		
Boise City	MSA	Ada County
Illinois		
Aurora-Elgin	PMSA	Kane and Kendall Counties
Bloomington-Normal	MSA	McLean County
Champaign-Urbana-Rantoul	MSA	Champaign County
Chicago	PMSA	Cook, Du Page, and McHenry Counties
Davenport-Rock Island-Moline	MSA	Henry and Rock Island Counties, Ill.; Scott County, Iowa
Decatur	MSA	Macon County
Joliet	PMSA	Grundy and Will Counties
Kankakee	MSA	Kankakee County
Lake County	PMSA	Lake County
Peoria	MSA	Peoria, Tazewell, and Woodford Counties
Rockford	MSA	Boone and Winnebago Counties
Springfield	MSA	Menard and Sangamon Counties
Indiana		
Anderson	MSA	Madison County
Bloomington	MSA	Monroe County
Elkhart-Goshen	MSA	Elkhart County
Evansville	MSA	Posey, Vanderburgh, and Warrick Counties, Ind.; Henderson County, Ky.
Fort Wayne	MSA	Allen, DeKalb, and Whitley Counties
Gary-Hammond	PMSA	Lake and Porter Counties
Indianapolis	MSA	Boone, Hamilton, Hancock, Hendricks, Johnson, Marion, Morgan, and Shelby Counties
Kokomo	MSA	Howard and Tipton Counties
Lafayette	MSA	Tippecanoe County
Muncie	MSA	Delaware County
South Bend-Mishawaka	MSA	St. Joseph County
Terre Haute	MSA	Clay and Vigo Counties
Iowa		
Cedar Rapids	MSA	Linn County
Des Moines	MSA	Dallas, Polk, and Warren Counties
Dubuque	MSA	Dubuque County
Iowa City	MSA	Johnson County
Sioux City	MSA	Woodbury County, Iowa; Dakota County, Nebr.
Waterloo-Cedar Falls	MSA	Black Hawk and Bremer Counties
Kansas		
Lawrence	MSA	Douglas County
Topeka	MSA	Shawnee County
Wichita		Butler and Sedgwick Counties
Kentucky		
Lexington-Fayette	MSA	Bourbon, Clark, Fayette, Jessamine, Scott, and Woodford Counties

Area definitions—Continued

State and area	Type of area	Definition
Kentucky—Continued		
Louisville	MSA	Bullitt, Jefferson, Oldham, and Shelby Counties, Ky.; Clark, Floyd, and Harrison Counties, Ind.
Owensboro	MSA	Daviess County
Louisiana		
Alexandria	MSA	Rapides Parish
Baton Rouge	MSA	Ascension, East Baton Rouge, Livingston, and West Baton Rouge Parishes
Houma-Thibodaux	MSA	Lafourche and Terrebonne Parishes
Lafayette	MSA	Lafayette and St. Martin Parishes
Lake Charles	MSA	Calcasieu Parish
Monroe	MSA	Ouachita Parish
New Orleans	MSA	Jefferson, Orleans, St. Bernard, St. Charles, St. John the Baptist, and St. Tammany Parishes
Shreveport	MSA	Bossier and Caddo Parishes
Maine		
Lewiston-Auburn	MSA	Auburn and Lewiston cities, and Greene, Lisbon, Mechanic Falls, Poland, and Sabattus towns in Androscoggin County
Portland	MSA	Portland, South Portland, and Westbrook cities, and Cape Elizabeth, Cumberland, Falmouth, Freeport, Gorham, Gray, North Yarmouth, Raymond, Scarborough, Standish, Windham, and Yarmouth towns in Cumberland County; Buxton, Hollis, and Old Orchard Beach towns in York County
Maryland		
Baltimore	MSA	Baltimore city, and Anne Arundel, Baltimore, Carroll, Harford, Howard, and Queen Anne's Counties
Baltimore City		Baltimore City
Suburban Maryland-D.C.		Calvert, Charles, Frederick, Montgomery, and Prince Georges Counties
Massachusetts		
Boston	PMSA	Mansfield, Norton, and Raynham towns in Bristol County; Lynn city and Lynnfield, Nahant, and Saugus towns in Essex County; Cambridge, Everett, Malden, Marlborough, Medford, Melrose, Newton, Somerville, Waltham, and Woburn cities, and Acton, Arlington, Ashland, Ayer, Bedford, Belmont, Boxborough, Burlington, Carlisle, Concord, Framingham, Groton, Holliston, Hopkinton, Hudson, Lexington, Lincoln, Littleton, Maynard, Natick, North Reading, Reading, Sherborn, Shirley, Stoneham, Stow, Sudbury, Townsend, Wakefield, Watertown, Wayland, Weston, Wilmington, and Winchester towns in Middlesex County; Quincy city, and Bellingham, Braintree, Brookline, Canton, Cohasset, Dedham, Dover, Foxborough, Franklin, Holbrook, Medfield, Medway, Millis, Milton, Needham, Norfolk, Norwood, Randolph, Sharon, Stoughton, Walpole, Wellesley, Westwood, Weymouth, and Wrentham towns in Norfolk County; Carver, Duxbury, Hanover, Hanson, Hingham, Hull, Kingston, Lakeville, Marshfield, Middleborough, Norwell, Pembroke, Plymouth, Plympton, Rockland, and Scituate towns in Plymouth County; Boston, Chelsea, and Revere cities and Winthrop town in Suffolk County; Berlin, Bolton, Harvard, Hopedale, Lancaster, Mendon, Milford, Southborough, and Upton towns in Worcester County
Brockton	PMSA	Easton town in Bristol County; Avon town in Norfolk County; Brockton city, and Abington, Bridgewater, East Bridgewater, Halifax, West Bridgewater, and Whitman towns in Plymouth County
Fall River	PMSA	Fall River city, and Somerset, Swansea, and Westport towns in Bristol County, Mass.; Little Compton and Tiverton towns in Newport County, R.I.
Fitchburg-Leominster	MSA	Ashby town in Middlesex County; Fitchburg and Leominster cities, and Ashburnham, Lunenburg, and Westminster towns in Worcester County
Lawrence-Haverhill	PMSA	Haverhill, Lawrence, and Newburyport cities, and Amesbury, Andover, Boxford, Georgetown, Groveland, Merrimac, Methuen, Newbury, North Andover, Salisbury, and West Newbury towns in Essex County, Mass.; Atkinson, Brentwood, Danville, Derry, East Kingston, Hampstead, Kingston, Newton, Plaistow, Salem, Sandown, Seabrook, and Windham towns in Rockingham County, N.H.
Lowell	PMSA	Lowell city, and Billerica, Chelmsford, Dracut, Dunstable, Pepperell, Tewksbury, Tyngsborough, and Westford towns in Middlesex County and Pelham town in Hillsborough County
New Bedford	MSA	New Bedford city, and Acushnet, Dartmouth, Fairhaven, and Freetown towns in Bristol County; Marion, Mattapoisett, and Rochester towns in Plymouth County
Pittsfield	MSA	Pittsfield city, and Cheshire, Dalton, Hinsdale, Lanesborough, Lee, Lenox, Richmond, and Stockbridge towns in Berkshire County

Area definitions—Continued

State and area	Type of area	Definition
Massachusetts—Continued		
Springfield	MSA	Chicopee, Holyoke, Springfield, and Westfield cities, and Agawam, East Longmeadow, Hampden, Longmeadow, Ludlow, Monson, Montgomery, Palmer, Russell, Southwick, West Springfield, and Wilbraham towns in Hampden County; Northampton city, and Belchertown, Easthampton, Granby, Huntington, Southampton, and South Hadley towns in Hampshire County
Worcester	MSA	Worcester city, and Auburn, Barre, Boylston, Brookfield, Charlton, Clinton, Douglas, Dudley, East Brookfield, Grafton, Holden, Leicester, Millbury, Northborough, Northbridge, North Brookfield, Oxford, Paxton, Princeton, Rutland, Shrewsbury, Spencer, Sterling, Sutton, Uxbridge, Webster, Westborough, and West Boylston towns in Worcester County
Michigan		
Ann Arbor	PMSA	Washtenaw County
Battle Creek	MSA	Calhoun County
Benton Harbor	MSA	Berrien County
Detroit	PMSA	Lapeer, Livingston, Macomb, Monroe, Oakland, St. Clair, and Wayne Counties
Flint	MSA	Genesee County
Grand Rapids	MSA	Kent and Ottawa Counties
Jackson	MSA	Jackson County
Kalamazoo	MSA	Kalamazoo County
Lansing—East Lansing	MSA	Clinton, Eaton, and Ingham Counties
Muskegon	MSA	Muskegon County
Saginaw—Bay City—Midland	MSA	Bay, Midland, and Saginaw Counties
Minnesota		
Duluth	MSA	St. Louis County, Minn.; Douglas County, Wisc.
Minneapolis—St. Paul	MSA	Anoka, Carver, Chisago, Dakota, Hennepin, Isanti, Ramsey, Scott, Washington, and Wright Counties, Minn.; St. Croix County, Wis.
Rochester	MSA	Olmsted County
St. Cloud	MSA	Benton, Sherburne, and Stearns Counties
Mississippi		
Jackson	MSA	Hinds, Madison, and Rankin Counties
Missouri		
Kansas City	MSA	Johnson, Leavenworth, Miami, and Wyandotte Counties, Kan.; Cass, Clay, Jackson, Lafayette, Platte, and Ray Counties, Mo.
St. Joseph	MSA	Buchanan County
St. Louis	MSA	Clinton, Jersey, Madison, Monroe, and St. Clair Counties, Ill.; St. Louis city, and Franklin, Jefferson, St. Charles, and St. Louis Counties, Mo.
Springfield	MSA	Christian and Greene Counties
Nebraska		
Lincoln	MSA	Lancaster County
Omaha	MSA	Douglas, Sarpy, and Washington Counties, Nebr.; Pottawattamie County, Iowa
Nevada		
Las Vegas	MSA	Clark County
Reno	MSA	Washoe County
New Hampshire		
Nashua	MSA	Nashua city, and Amherst, Brookline, Hollis, Hudson, Litchfield, Merrimack, Milford, Mont Vernon, and Wilton towns in Hillsborough County; Londonderry town in Rockingham County
Portsmouth—Dover—Rochester	MSA	Portsmouth city and Exeter, Greenland, Hampton, New Castle, Newfields, Newington, Newmarket, North Hampton, Rye and Stratham towns in Rockingham County; Dover, Rochester and Somersworth cities, and Barrington, Durham, Farmington, Lee, Madbury, Milton and Rollinsford towns in Strafford County; and Berwick, Eliot, Kittery, North Berwick, Ogunquit, South Berwick, Wells and York towns in York County
New Jersey		
Atlantic City	MSA	Atlantic and Cape May Counties
Bergen—Passaic	PMSA	Bergen and Passaic Counties
Camden		Burlington, Camden, and Gloucester Counties
Jersey City	PMSA	Hudson County
Middlesex—Somerset—Hunterdon	PMSA	Hunterdon, Middlesex, and Somerset Counties
Monmouth—Ocean	PMSA	Monmouth and Ocean Counties
Newark	PMSA	Essex, Morris, Sussex, and Union Counties
Trenton	PMSA	Mercer County
Vineland—Millville—Bridgeton	PMSA	Cumberland County
New Mexico		
Albuquerque	MSA	Bernalillo County
Las Cruces	MSA	Dona Ana County
Sante Fe	MSA	Los Alamos and Sante Fe Counties

Area definitions—Continued

State and area	Type of area	Definition
New York		
Albany-Schenectady-Troy	MSA	Albany, Greene, Montgomery, Rensselaer, Saratoga, and Schenectady Counties
Binghamton	MSA	Broome and Tioga Counties
Buffalo	PMSA	Erie County
Elmira	MSA	Chemung County
Glens Falls	MSA	Warren and Washington Counties
Nassau-Suffolk	PMSA	Nassau and Suffolk Counties
New York	PMSA	Bronx, Kings, New York, Putnam, Queens, Richmond, Rockland, and Westchester Counties
New York City		Bronx, Kings, New York, Queens, and Richmond Counties
Niagara Falls	PMSA	Niagara County
Orange County	PMSA	Orange County
Poughkeepsie	MSA	Dutchess County
Rochester	MSA	Livingston, Monroe, Ontario, Orleans, and Wayne Counties
Rockland County		Rockland County
Syracuse	MSA	Madison, Onondaga, and Oswego Counties
Utica-Rome	MSA	Herkimer and Oneida Counties
Westchester County		Westchester County
North Carolina		
Asheville	MSA	Buncombe County
Charlotte-Gastonia-Rock Hill	MSA	Cabarrus, Gaston, Lincoln, Mecklenburg, Rowan, and Union Counties, N.C.; York County, S.C.
Greensboro--Winston-Salem--High Point	MSA	Davidson, Davie, Forsyth, Guilford, Randolph, Stokes, and Yadkin Counties
Raleigh-Durham	MSA	Durham, Franklin, Orange, and Wake Counties
North Dakota		
Bismarck	MSA	Burleigh and Morton Counties
Fargo-Moorhead	MSA	Cass County, N.D.; Clay County, Minn.
Grand Forks	MSA	Grand Forks County
Ohio		
Akron	PMSA	Portage and Summit Counties
Canton	MSA	Carroll and Stark Counties
Cincinnati	PMSA	Clermont, Hamilton, and Warren Counties, Ohio; Boone, Campbell, and Kenton Counties, Ky.; Dearborn County, Ind.
Cleveland	PMSA	Cuyahoga, Geauga, Lake, and Medina Counties
Columbus	MSA	Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties
Dayton-Springfield	MSA	Clark, Greene, Miami, and Montgomery Counties
Toledo	MSA	Fulton, Lucas, and Wood Counties
Youngstown-Warren	MSA	Mahoning and Trumbull Counties
Oklahoma		
Enid	MSA	Garfield County
Lawton	MSA	Comanche County
Oklahoma City	MSA	Canadian, Cleveland, Logan, McClain, Oklahoma, and Pottawatomie Counties
Tulsa	MSA	Creek, Osage, Rogers, Tulsa, and Wagoner Counties
Oregon		
Eugene-Springfield	MSA	Lane County
Portland	PMSA	Clackamas, Multnomah, Washington, and Yamhill Counties
Salem	MSA	Marion and Polk Counties
Pennsylvania		
Allentown-Bethlehem	MSA	Carbon, Lehigh, and Northampton Counties, Pa.; Warren County, N.J.
Altoona	MSA	Blair County
Beaver County	PMSA	Beaver County
Erie	MSA	Erie County
Harrisburg-Lebanon-Carlisle	MSA	Cumberland, Dauphin, Lebanon, and Perry Counties
Johnstown	MSA	Cambria and Somerset Counties
Lancaster	MSA	Lancaster County
Philadelphia	PMSA	Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pa.; Burlington, Camden, and Gloucester Counties, N.J.
Philadelphia City		Philadelphia County
Pittsburgh	PMSA	Allegheny, Fayette, Washington, and Westmoreland Counties
Reading	MSA	Berks County
Scranton-Wilkes-Barre	MSA	Columbia, Lackawanna, Luzerne, Monroe, and Wyoming Counties
Sharon	MSA	Mercer County
State College	MSA	Centre County
Williamsport	MSA	Lycoming County
York	MSA	Adams and York Counties
Puerto Rico		
Caguas	PMSA	Aguas Buenas, Caguas, Cayey, Cidra, Gurabo, and San Lorenzo Municipios
Mayaguez	MSA	Anasco, Cabo Rojo, Hormigueros, Mayaguez, and San German Municipios
Ponce	MSA	Juana Diaz and Ponce Municipios
San Juan	PMSA	Barceloneta, Bayamon, Canovanas, Carolina, Catano, Corozal, Dorado, Fajardo, Florida, Guaynabo, Humacao, Juncos, Las Piedras, Loiza, Luquillo, Manati, Naranjito, Rio Grande, San Juan, Toa Alta, Toa Bajo, Trujillo Alto, Vega Alta, and Vega Baja Municipios

Area definitions—Continued

State and area	Type of area	Definition
Rhode Island		
Pawtucket-Woonsocket-Attleboro	PMSA	Central Falls, Pawtucket, and Woonsocket cities, and Burrillville, Cumberland, Lincoln, North Smithfield, and Smithfield towns in Providence County, R.I.; Attleboro city, and North Attleborough, Rehoboth, and Seekonk towns in Bristol County, Mass.; Plainville town in Norfolk County, Mass.; Blackstone and Millville towns in Worcester County, Mass.
Providence	PMSA	Barrington, Bristol, and Warren towns in Bristol County; Warwick city, and Coventry, East Greenwich, and West Warwick towns in Kent County; Jamestown town in Newport County; Cranston, East Providence, and Providence cities and Foster, Glocester, Johnston, North Providence, and Scituate towns in Providence County; Exeter, Narragansett, North Kingston, Richmond, and South Kingstown towns in Washington County
South Carolina		
Charleston	MSA	Berkeley, Charleston, and Dorchester Counties
Columbia	MSA	Lexington and Richland Counties
Greenville-Spartanburg	MSA	Greenville, Pickens, and Spartanburg Counties
South Dakota		
Rapid City	MSA	Pennington County
Sioux Falls	MSA	Minnehaha County
Tennessee		
Chattanooga	MSA	Hamilton, Marion, and Sequatchie Counties, Tenn.; Catoosa, Dade, and Walker Counties, Ga.
Johnson City-Kingsport-Bristol	MSA	Carter, Hawkins, Sullivan, Unicoi, and Washington Counties, Tenn.; Bristol city, Scott, and Washington Counties, Va.
Knoxville	MSA	Anderson, Blount, Grainger, Jefferson, Knox, Sevier, and Union Counties
Memphis	MSA	Shelby and Tipton Counties, Tenn.; Crittenden County, Ark.
Nashville	MSA	Cheatham, Davidson, Dickson, Robertson, Rutherford, Sumner, Williamson, and Wilson Counties
Texas		
Abilene	MSA	Taylor County
Amarillo	MSA	Potter and Randall Counties
Austin	MSA	Hays, Travis, and Williamson Counties
Beaumont-Port Arthur	MSA	Hardin, Jefferson, and Orange Counties
Brazoria	PMSA	Brazoria County
Brownsville-Harlingen	MSA	Cameron County
Bryan-College Station	MSA	Brazos County
Corpus Christi	MSA	Nueces and San Patricio Counties
Dallas	PMSA	Collin, Dallas, Denton, Ellis, Kaufman, and Rockwall Counties
El Paso	MSA	El Paso County
Fort Worth-Arlington	PMSA	Johnson, Parker, and Tarrant Counties
Galveston-Texas City	PMSA	Galveston County
Houston	PMSA	Fort Bend, Harris, Liberty, Montgomery, and Waller Counties
Killeen-Temple	MSA	Bell and Coryell Counties
Laredo	MSA	Webb County
Longview-Marshall	MSA	Gregg and Harrison Counties
Lubbock	MSA	Lubbock County
McAllen-Edinburg-Mission	MSA	Hidalgo County
Midland	MSA	Midland County
Odessa	MSA	Ector County
San Angelo	MSA	Tom Green County
San Antonio	MSA	Bexar, Comal, and Guadalupe Counties
Sherman-Denison	MSA	Grayson County
Texarkana	MSA	Bowie County, Tex.; and Miller County, Ark.
Tyler	MSA	Smith County
Victoria	MSA	Victoria County
Waco	MSA	McLennan County
Wichita Falls	MSA	Wichita County
Utah		
Provo-Orem	MSA	Utah County
Salt Lake City-Ogden	MSA	Davis, Salt Lake, and Weber Counties
Vermont		
Barre-Montpelier		East Granville town in Addison County; Groton and Ryegate towns in Caledonia County; Bolton and Huntington towns in Chittenden County; Bradford, Braintree, Brookfield, Chelsea, Corinth, Fairlee, Newbury, Orange, Randolph, Topsham, Vershire, Washington, West Fairlee and Williamstown towns in Orange County; and Barre city and Barre, Berlin, Cabot, Calais, Duxbury, East Montpelier, Fayston, Marshfield, Middlesex, Montpelier, Moretown, Northfield, Plainfield, Roxbury, Waitsfield, Warren and Waterbury towns in Washington County
Burlington	MSA	Burlington, South Burlington, and Winooski cities and Charlotte, Colchester, Essex, Hinesburg, Jericho, Milton, Richmond, St. George, Shelburne, and Williston towns in Chittenden County; Georgia town in Franklin County; Grand Isle and South Hero towns in Grand Isle County

Area definitions—Continued

State and area	Type of area	Definition
Virginia		
Bristol		Bristol city, and Scott and Washington Counties
Charlottesville	MSA	Charlottesville city and Albemarle, Fluvanna, and Greene Counties
Danville	MSA	Danville city and Pittsylvania County
Lynchburg	MSA	Lynchburg city, and Amherst and Campbell Counties
Norfolk–Virginia Beach–Newport News	MSA	Chesapeake, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach and Williamsburg cities, and Gloucester, James City, and York Counties
Northern Virginia		Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, Prince William, and Stafford Counties
Richmond–Petersburg	MSA	Colonial Heights, Hopewell, Petersburg, and Richmond cities, and Charles City, Chesterfield, Dinwiddie, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George Counties
Roanoke	MSA	Roanoke and Salem cities, and Botetourt and Roanoke Counties
Washington		
Seattle	PMSA	King and Snohomish Counties
West Virginia		
Charleston	MSA	Kanawha and Putnam Counties
Huntington–Ashland	MSA	Cabell and Wayne Counties, W. Va.; Boyd, Carter, and Greenup Counties, Ky.; Lawrence County, Ohio
Parkersburg–Marietta	MSA	Wood County, W. Va.; Washington County, Ohio
Wheeling	MSA	Marshall and Ohio Counties, W. Va.; Belmont County, Ohio
Wisconsin		
Appleton–Oshkosh–Neenah	MSA	Calumet, Outagamie, and Winnebago Counties
Eau Claire	MSA	Chippewa and Eau Claire Counties
Green Bay	MSA	Brown County
Janesville–Beloit	MSA	Rock County
Kenosha	PMSA	Kenosha County
La Crosse	MSA	La Crosse County
Madison	MSA	Dane County
Milwaukee	PMSA	Milwaukee, Ozaukee, Washington, and Waukesha Counties
Racine	PMSA	Racine County
Sheboygan	MSA	Sheboygan County
Wausau	MSA	Marathon County

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	1330	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 undercoverage relative to the decennial census, is carried out in three steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over. The second step involves an adjustment by Hispanic origin to a national estimate for 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

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

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	.55	.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
180,000 .....	.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:

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

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

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	Non-durable 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	Non-durable 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
Non-durable 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*.

U.S. Department of Labor Bureau of Labor Statistics

REGION I - BOSTON John Fitzgerald Kennedy Federal Building Suite 1603 Boston, Mass. 02203	REGION II - NEW YORK Suite 3400 1515 Broadway New York, N.Y. 10036	REGION III - PHILADELPHIA 3535 Market Street P.O. Box 13309 Philadelphia, Pa. 19101	REGION IV - ATLANTA Suite 540 1371 Peachtree Street, NE. Atlanta, Ga. 30367
REGION V - CHICAGO 9th Floor 230 S. Dearborn Street Chicago, Ill. 60604	REGION VI - DALLAS Room 221 525 Griffin Street Dallas, Tex. 75202	REGIONS VII and VIII - KANSAS CITY 15th Floor 911 Walnut Street Kansas City, Mo. 64106	REGIONS IX and X - SAN FRANCISCO 450 Golden Gate Avenue Box 36017 San Francisco, Calif. 94102

COOPERATING STATE AGENCIES

Current Employment Statistics Program (CES), and State and Local Area Unemployment Statistics Program (LAUS)

BLS Region	
IV ALABAMA	-Research and Statistics Div., Depart. of Industrial Relations, Industrial Relations Building, Room 427, Montgomery 36130
X ALASKA	-Employment Security Division, Department of Labor, P.O. Box 25501, Juneau 99802
IX ARIZONA	-Department of Economic Security, 733-A, P.O. Box 6123, Phoenix 85005
VI ARKANSAS	-Employment Security Division, Department of Labor, State Capitol Mall, P.O. Box 2981, Little Rock 72203
IX CALIFORNIA	-Employment Data and Research Div., Employment Development Depart., P.O. Box 1679, Sacramento 95808.
VIII COLORADO	-Division of Employment and Training, 1330 Fox Street, Denver 80204
I CONNECTICUT	-Employment Security Division, Labor Department, 200 Folly Brook Boulevard, Wethersfield 06109
III DELAWARE	-Department of Labor, University Plaza Office Complex, P.O. Box 9029, Newark 19711
III DIST. OF COL.	-Division of Labor Market Information, Research and Analysis, Department of Employment Services, 500 C Street N.W., Room 411, Washington 20001
IV FLORIDA	-Bureau of Research and Information, Depart. of Labor and Employment Security, 2574 Seagate Drive, Tallahassee 32301
IV GEORGIA	-Department of Labor, 254 Washington Street, S.W., Atlanta 30334
IX HAWAII	-Department of Labor and Industrial Relations, 830 Punchbowl Street, Room 304, Honolulu 96813
X IDAHO	-Department of Employment, P.O. Box 35, Boise 83735
V ILLINOIS	-Bureau of Employment Security, 910 South Michigan Avenue, 12th Floor, Chicago 60605
V INDIANA	-Employment Security Division, 10 North Senate Avenue, Indianapolis 46204
VII IOWA	-Department of Job Service, 1000 East Grand Avenue, Des Moines 50319
VII KANSAS	-Department of Human Resources, 401 Topeka Avenue, Topeka 66603
IV KENTUCKY	-Department for Employment Services, Cabinet for Human Resources, 275 E. Main Street, Frankfort 40621
VI LOUISIANA	-Department of Labor, P.O. Box 44094, Capitol Station, Baton Rouge 70804
I MAINE	-Division of Research and Analysis, Department of Labor, 20 Union Street, Augusta 04330
III MARYLAND	-Research and Analysis Division, Department of Human Resources, 1100 North Eutaw Street, Baltimore 21201
I MASSACHUSETTS	-Division of Employment Security, Charles F. Hurley Building, Government Center, Boston 02114
V MICHIGAN	-Research and Statistics Division, Employment Security Commission, 7310 Woodward Avenue, Detroit 48202
V MINNESOTA	-Department of Jobs and Training, 390 North Robert Street, St. Paul 55101
IV MISSISSIPPI	-Labor Market Information Department, Employment Security Commission, P.O. Box 1699, Jackson 39215-1699
VII MISSOURI	-Division of Employment Security, P.O. Box 59, Jefferson City 65104
VIII MONTANA	-Department of Labor and Industry, P.O. Box 1728, Helena 59601
VII NEBRASKA	-Division of Employment, Department of Labor, P.O. Box 94600, Lincoln 68509
IX NEVADA	-Employment Security Department, 500 East Third Street, Carson City 89713
I NEW HAMPSHIRE	-Department of Employment Security, 32 South Main Street, Concord 03301
II NEW JERSEY	-Division of Planning and Research, Department of Labor, P.O. Box 2765, Trenton 08625
VI NEW MEXICO	-Employment Services Division, Employment Security Department, P.O. Box 1928, Albuquerque 87103
II NEW YORK	-Division of Research and Statistics, Department of Labor, State Campus, Building 12, Albany 12240
IV NORTH CAROLINA	-Labor Market Information Division, Employment Security Commission, P.O. Box 25903, Raleigh 27611
VIII NORTH DAKOTA	-Job Service, P.O. Box 1537, Bismarck 58502
V OHIO	-Labor Market Information Division, Bureau of Employment Services, P.O. Box 1618, Columbus 43216
VI OKLAHOMA	-Research and Planning Division, Employment Security Commission, 310 Will Rogers Memorial Office Building, Oklahoma City 73105
X OREGON	-Employment Division, Department of Human Resources, 875 Union Street N.E., Salem 97311
III PENNSYLVANIA	-Research and Statistics Division, Department of Labor and Industry, 7th and Forster Streets, Harrisburg 17121
II PUERTO RICO	-Department of Labor and Human Resources, Bureau of Labor Statistics, 505 Munoz Rivera Ave., 17th Fl., Hato Rey 00918 (CES). Bureau of Employment Security, 505 Munoz Rivera Ave., 15th Fl., Hato Rey 00918 (LAUS)
I RHODE ISLAND	-Department of Employment Security, 24 Mason Street, Providence 02903
IV SOUTH CAROLINA	-Employment Security Commission, P. O. Box 995, Columbia 29202
VIII SOUTH DAKOTA	-Department of Labor, P.O. Box 1730, Aberdeen 57401
IV TENNESSEE	-Department of Employment Security, Cordell Hull Office Building, Room 519, Nashville 37219
VI TEXAS	-Employment Commission, 15th and Congress Avenue, Austin 78778
VIII UTAH	-Department of Employment Security, P.O. Box 11249, Salt Lake City 84147
I VERMONT	-Department of Employment and Training, P.O. Box 488, Montpelier 05602
III VIRGINIA	-Division of Research and Analysis, Employment Commission, P.O. Box 1358, Richmond 23211
II VIRGIN ISLANDS	-Bureau of Labor Statistics, Department of Labor, P.O. Box 818, St. Thomas 00801
X WASHINGTON	-Employment Security Department, 212 Maple Park, Olympia 98504
III WEST VIRGINIA	-Division of Labor and Economic Security, Depart. of Employment Security, 112 California Avenue, Charleston 25305
V WISCONSIN	-Department of Industry, Labor, and Human Relations, P.O. Box 7944, Madison 53707
VIII WYOMING	-Employment Security Commission, P.O. Box 2760, Casper 82602