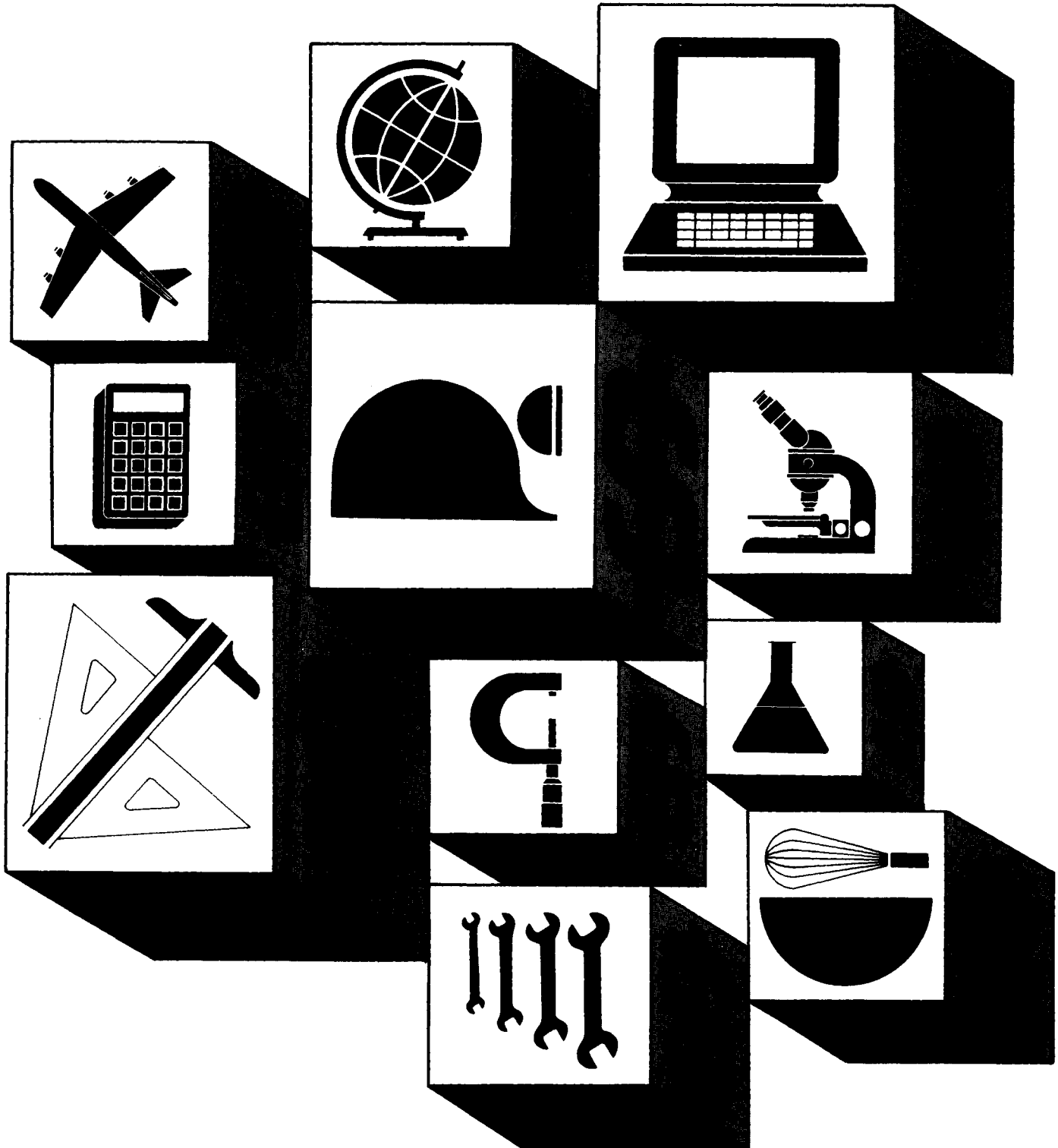




EMPLOYMENT AND EARNINGS

U.S. Department of Labor
Bureau of Labor Statistics
April 1989





U.S. DEPARTMENT OF LABOR
Elizabeth Dole, 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.
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Quarterly averages: Seasonally adjusted data, persons not in labor force, persons of Hispanic origin, Vietnam-era veterans and nonveterans, family relationship data, weekly earnings data, and metropolitan-nonmetropolitan and poverty-nonpoverty area data	Jan., Apr., July, Oct.
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Industry divisions (preliminary)	Jan.
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Industry detail (final)	Mar.
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Women employees (final)	Mar.
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Revised historical national data	Supplement ¹
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State and area annual averages	May
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Area definitions	May
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State and area labor force data

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¹ The latest supplement was published in August 1988.

Employment and Earnings

Vol. 36 No. 4 April 1989

Editors: Gloria Peterson Green, Rosalie K. Epstein

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Employment and Unemployment Developments, March 1989

Employment grew moderately in March and unemployment edged down. The overall jobless rate was 4.9 percent and the civilian worker rate was 5.0 percent, compared with 5.1 percent for both measures in February. Both rates were at their lowest points since December 1973.

Nonagricultural payroll employment, as measured by the survey of business establishments, grew by 180,000 in March, well below the monthly average of 300,000 over the prior 12 months. Total civilian employment, as measured by the survey of households, rose by 285,000.

Unemployment

Both the number of unemployed persons and the civilian worker unemployment rate edged down in March after seasonal adjustment, to 6.1 million and 5.0 percent, respectively. Over the past year, the unemployment rate has fallen six-tenths of a percentage point, and the number of unemployed persons has declined by 700,000. (See table A-33.)

The jobless rate for adult men fell to 4.2 percent in March, with improvement concentrated among 20- to 24-year-olds and those 55 and over. Jobless rates for blacks (10.9 percent) and teenagers (13.7 percent) also edged down over the month. Following a substantial drop in February, the unemployment rate for Hispanics (6.5 percent) was little changed in March, as were the rates for adult women (4.6 percent) and whites (4.2 percent). (See tables A-33, A-34, and A-38.)

Both the mean and median duration of unemployment were about unchanged in March. The number of unemployed persons who were jobless for less than 5 weeks declined by 190,000 to a seasonally adjusted level of 3.1 million. Over the year, however, the bulk of the decline in unemployment occurred among persons jobless for 15 weeks or longer—the long-term unemployed. (See table A-40.)

Civilian employment and the labor force

Civilian employment increased by 285,000 in March to a seasonally adjusted level of 117.1 million—3.0 million more than a year earlier. All of the over-the-month increase occurred among men, whereas the over-the-year gain was split about equally among men and women. The proportion of the population with jobs (the employment-population ratio) reached a new high of 63.0 percent in March. The civilian

labor force was little changed over the month, and the labor force participation rate held at 66.3 percent. (See table A-33.)

Discouraged workers

The number of discouraged workers—persons who want to work but have not looked for jobs because they believe they cannot find any—edged down by about 100,000 in the first quarter of 1989 to a seasonally adjusted level of 855,000. Blacks accounted for 3 out of 10 discouraged workers, even though they make up only about 1 in 10 of the working-age population. (See table A-53.)

Industry payroll employment

Employment growth in nonagricultural establishments moderated in March, as payroll jobs increased by 180,000 to 108.5 million, seasonally adjusted. (See table B-4.) The over-the-month gain would have been somewhat larger except for about 25,000 airline workers who were off payrolls because of labor-management disputes.

Virtually all of the employment growth in March was in the service-producing sector, with gains concentrated in the services and trade industries. In the services industry, employment rose by 110,000, about in line with recent average growth for that industry. Within services, employment in the fast-growing health services component increased by 55,000. Retail trade added 75,000 jobs, and employment in wholesale trade increased by 25,000, with most of the gain occurring in durable goods distribution. There was little over-the-month change in finance, insurance, and real estate; government; and in transportation and public utilities, where employment was held down by the airline workers' strike.

In the goods-producing sector, employment in the construction industry declined by 50,000 in March, after seasonal adjustment. There was also a decline in February, following a very large increase in January. Construction employment patterns often vary substantially in the early months of the year owing to changeable weather conditions in many parts of the country. However, some of the recent employment weakness in the industry may reflect a more general slowdown in construction activity, particularly in the residential sector. Manufacturing employment showed little movement for the second straight month, following strong growth in the previous 4 months. In mining, employment in the oil and gas extraction component rose slightly in March.

Weekly Hours

Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls were unchanged in March at 34.6, after seasonal adjustment. In manufacturing, the workweek declined by 0.2 hour to 40.9 hours, while overtime was unchanged at 3.9 hours. (See table C-5.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls, at 127.9 (1977=100), was little changed in March after

seasonal adjustment. The index for the manufacturing industry was unchanged at 97.3. (See table C-6.)

Hourly and weekly earnings

Both average hourly and average weekly earnings rose by 0.4 percent in March, after seasonal adjustment. Prior to seasonal adjustment, average hourly earnings increased by 2 cents to \$9.56 in March, and average weekly earnings rose by \$1.64 to \$328.86. Over the year, both hourly and weekly earnings increased by 4.1 percent. (See tables C-1 and C-7.)

Scheduled Release Dates			
Employment and unemployment data are scheduled for initial release on the following dates:			
<i>Reference month</i>	<i>Release date</i>	<i>Reference month</i>	<i>Release date</i>
April	May 5	July	August 4
May	June 2	August	September 1
June	July 7	September	October 6

A-1. Employment status of the noninstitutional population 16 years and over, 1955 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												
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 ¹	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539	
1963	124,422	73,839	59.3	69,768	2,006	67,762	4,687	63,076	4,070	5.5	50,583	
1964	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,786	5.0	51,394	
1965	128,459	76,401	59.5	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058	
1966	130,180	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288	
1967	132,090	79,565	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527	
1968	134,281	80,990	60.3	78,173	2,253	75,920	3,817	72,103	2,817	3.5	53,291	
1969	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,296	2,832	3.4	53,602	
1970	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315	
1971	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834	
1972 ¹	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 ¹	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667	
1974	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171	
1975	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377	
1976	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991	
1977	160,689	100,665	62.6	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025	
1978 ¹	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659	
1979	166,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900	
1980	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806	
1981	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460	
1982	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067	
1983	175,891	113,226	64.4	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665	
1984	178,080	115,241	64.7	106,702	1,697	105,005	3,321	101,685	8,539	7.4	62,839	
1985	179,912	117,167	65.1	108,856	1,706	107,150	3,179	103,971	8,312	7.1	62,744	
1986 ¹	182,293	119,540	65.6	111,303	1,706	109,597	3,163	106,434	8,237	6.9	62,752	
1987	184,490	121,602	65.9	114,177	1,737	112,440	3,208	109,232	7,425	6.1	62,888	
1988	186,322	123,378	66.2	116,677	1,709	114,968	3,169	111,800	6,701	5.4	62,944	
Monthly data, seasonally adjusted²												
1988:												
March	185,847	122,672	66.0	115,865	1,736	114,129	3,181	110,948	6,807	5.5	63,175	
April	185,964	123,060	66.2	116,392	1,732	114,660	3,187	111,473	6,668	5.4	62,904	
May	186,088	122,917	66.1	116,117	1,714	114,403	3,110	111,293	6,800	5.5	63,171	
June	186,247	123,209	66.2	116,686	1,685	115,001	3,121	111,880	6,523	5.3	63,038	
July	186,402	123,331	66.2	116,707	1,673	115,034	3,060	111,974	6,624	5.4	63,071	
August	186,522	123,692	66.3	116,895	1,692	115,203	3,142	112,061	6,797	5.5	62,830	
September	186,666	123,688	66.3	117,074	1,704	115,370	3,176	112,194	6,614	5.3	62,978	
October	186,801	123,778	66.3	117,260	1,687	115,573	3,238	112,335	6,518	5.3	63,023	
November	186,949	124,215	66.4	117,652	1,705	115,947	3,238	112,709	6,563	5.3	62,734	
December	187,098	124,259	66.4	117,705	1,696	116,009	3,193	112,816	6,554	5.3	62,839	
1989:												
January	187,340	125,124	66.8	118,407	1,696	116,711	3,300	113,411	6,716	5.4	62,216	
February	187,461	124,865	66.6	118,537	1,684	116,853	3,223	113,630	6,328	5.1	62,596	
March	187,581	124,948	66.6	118,820	1,684	117,136	3,206	113,930	6,128	4.9	62,633	

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, 1978 to date

(Numbers in thousands)

Sex, year, and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
Annual averages												
MEN												
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	
1987	88,476	67,784	76.6	63,684	1,577	62,107	2,543	59,564	4,101	6.1	20,692	
1988	89,404	68,474	76.6	64,820	1,547	63,273	2,493	60,780	3,655	5.3	20,930	
Monthly data, seasonally adjusted²												
1988:												
March	89,168	68,194	76.5	64,417	1,573	62,844	2,479	60,365	3,777	5.5	20,974	
April	89,225	68,462	76.7	64,866	1,569	63,297	2,476	60,821	3,596	5.3	20,763	
May	89,287	68,409	76.6	64,672	1,553	63,119	2,452	60,667	3,737	5.5	20,878	
June	89,367	68,436	76.6	64,894	1,523	63,371	2,448	60,923	3,542	5.2	20,931	
July	89,445	68,461	76.5	64,941	1,512	63,429	2,475	60,954	3,520	5.1	20,984	
August	89,504	68,685	76.7	64,931	1,529	63,402	2,491	60,911	3,754	5.5	20,819	
September	89,577	68,604	76.6	65,015	1,540	63,475	2,488	60,987	3,589	5.2	20,973	
October	89,637	68,569	76.5	64,976	1,526	63,450	2,544	60,906	3,593	5.2	21,068	
November	89,716	68,686	76.6	65,074	1,542	63,532	2,533	60,999	3,612	5.3	21,030	
December	89,792	68,638	76.4	65,055	1,534	63,521	2,477	61,044	3,583	5.2	21,154	
1989:												
January	89,914	69,032	76.8	65,322	1,532	63,790	2,501	61,289	3,710	5.4	20,882	
February	89,973	69,113	76.8	65,572	1,521	64,051	2,509	61,542	3,540	5.1	20,860	
March	90,032	69,190	76.9	65,920	1,521	64,399	2,497	61,902	3,270	4.7	20,842	
Annual averages												
WOMEN												
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	
1987	96,013	53,818	56.1	50,494	160	50,334	666	49,668	3,324	6.2	42,195	
1988	96,918	54,904	56.6	51,858	162	51,696	676	51,020	3,046	5.5	42,014	
Monthly data, seasonally adjusted²												
1988:												
March	96,679	54,478	56.3	51,448	163	51,285	702	50,583	3,030	5.6	42,201	
April	96,739	54,598	56.4	51,526	163	51,363	711	50,652	3,072	5.6	42,141	
May	96,801	54,508	56.3	51,445	161	51,284	658	50,626	3,063	5.6	42,293	
June	96,880	54,773	56.5	51,792	162	51,630	673	50,957	2,981	5.4	42,107	
July	96,957	54,870	56.6	51,766	161	51,605	585	51,020	3,104	5.7	42,087	
August	97,018	55,007	56.7	51,964	163	51,801	651	51,150	3,043	5.5	42,011	
September	97,089	55,084	56.7	52,059	164	51,895	688	51,207	3,025	5.5	42,005	
October	97,164	55,209	56.8	52,284	161	52,123	694	51,429	2,925	5.3	41,955	
November	97,234	55,529	57.1	52,578	163	52,415	705	51,710	2,951	5.3	41,705	
December	97,306	55,621	57.2	52,650	162	52,488	716	51,772	2,971	5.3	41,685	
1989:												
January	97,427	56,091	57.6	53,085	164	52,921	799	52,122	3,006	5.4	41,336	
February	97,488	55,752	57.2	52,965	163	52,802	713	52,089	2,787	5.0	41,736	
March	97,550	55,758	57.2	52,900	163	52,737	709	52,028	2,858	5.1	41,792	

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, 1955 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								
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
1987	182,753	119,865	65.6	112,440	7,425	6.2	6.2	6.2
1988	184,613	121,669	65.9	114,968	6,701	5.5	5.5	5.6
Monthly data, seasonally adjusted ²								
1988:								
March	184,111	120,936	65.7	114,129	6,807	5.6	5.7	5.6
April	184,232	121,328	65.9	114,660	6,668	5.5	5.4	5.6
May	184,374	121,203	65.7	114,403	6,800	5.6	5.6	5.6
June	184,562	121,524	65.8	115,001	6,523	5.4	5.3	5.5
July	184,729	121,658	65.9	115,034	6,624	5.4	5.3	5.7
August	184,830	122,000	66.0	115,203	6,797	5.6	5.6	5.5
September	184,962	121,984	66.0	115,370	6,614	5.4	5.4	5.5
October	185,114	122,091	66.0	115,573	6,518	5.3	5.4	5.3
November	185,244	122,510	66.1	115,947	6,563	5.4	5.4	5.3
December	185,402	122,563	66.1	116,009	6,554	5.3	5.3	5.4
1989:								
January	185,644	123,428	66.5	116,711	6,716	5.4	5.5	5.4
February	185,777	123,181	66.3	116,853	6,328	5.1	5.2	5.0
March	185,897	123,264	66.3	117,136	6,128	5.0	4.8	5.1

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

Explanatory Notes.

² The population figures are not adjusted for seasonal variation.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	March 1989										
	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	185,897	122,223	65.7	115,844	6,378	5.2	83,674	27,056	9,318	3,610	23,691
16 to 19 years	14,323	7,210	50.3	8,192	1,018	14.1	7,112	407	6,152	30	523
16 to 17 years	7,002	2,746	39.2	2,313	434	15.8	4,256	103	3,950	9	195
18 to 19 years	7,320	4,464	61.0	3,879	585	13.1	2,856	305	2,202	21	328
20 to 24 years	18,139	13,989	77.0	12,831	1,138	8.1	4,170	1,569	1,937	78	589
25 to 54 years	103,008	85,705	83.2	81,932	3,773	4.4	17,304	11,763	1,183	1,453	2,905
25 to 34 years	42,808	35,649	83.3	33,748	1,901	5.3	7,159	4,966	816	361	1,017
25 to 29 years	21,191	17,835	83.2	16,547	1,087	6.2	3,556	2,336	535	138	547
30 to 34 years	21,617	18,014	83.3	17,201	814	4.5	3,603	2,631	281	222	470
35 to 44 years	35,608	30,287	85.1	29,101	1,185	3.9	5,321	3,684	280	500	858
35 to 39 years	19,192	16,296	84.9	15,639	657	4.0	2,897	2,053	163	207	482
40 to 44 years	16,416	13,991	85.2	13,463	529	3.8	2,425	1,640	116	293	375
45 to 54 years	24,593	19,770	80.4	19,083	687	3.5	4,823	3,113	87	593	1,030
45 to 49 years	13,355	11,101	83.1	10,698	404	3.6	2,253	1,481	62	299	412
50 to 54 years	11,238	8,669	77.1	8,385	283	3.3	2,569	1,632	25	293	619
55 to 64 years	21,416	11,865	55.4	11,490	375	3.2	9,551	4,524	36	861	4,129
55 to 59 years	10,654	7,108	66.7	6,874	234	3.3	3,547	1,952	27	438	1,129
60 to 64 years	10,762	4,758	44.2	4,816	141	3.0	6,004	2,572	9	423	3,000
65 years and over	29,011	3,473	12.0	3,399	74	2.1	25,538	8,793	11	1,189	15,545
65 to 69 years	9,984	2,116	21.2	2,054	63	3.0	7,867	2,797	1	319	4,750
70 to 74 years	7,748	870	11.2	862	7	.8	6,878	2,460	3	247	4,169
75 years and over	11,280	487	4.3	483	4	.8	10,793	3,537	7	622	6,627
Men											
16 years and over	88,511	66,951	75.6	63,354	3,597	5.4	21,560	538	4,675	2,030	14,317
16 to 19 years	7,177	3,741	52.1	3,163	578	15.4	3,437	21	3,133	16	266
16 to 17 years	3,567	1,411	39.5	1,176	235	16.7	2,157	12	2,048	4	92
18 to 19 years	3,610	2,330	64.5	1,987	342	14.7	1,280	9	1,085	12	174
20 to 24 years	8,809	7,338	83.3	6,745	592	6.1	1,472	41	1,040	61	329
25 to 54 years	50,349	47,032	93.4	44,890	2,141	4.6	3,319	192	496	953	1,878
25 to 34 years	21,056	19,800	94.0	18,737	1,063	5.4	1,256	73	368	254	562
25 to 29 years	10,396	9,681	93.1	9,082	598	6.2	715	25	276	95	319
30 to 34 years	10,660	10,119	94.9	9,655	465	4.6	541	48	92	158	244
35 to 44 years	17,407	16,433	94.4	15,732	701	4.3	974	63	90	327	494
35 to 39 years	9,418	8,921	94.7	8,530	391	4.4	497	40	52	135	270
40 to 44 years	7,989	7,512	94.0	7,202	311	4.1	477	23	38	192	223
45 to 54 years	11,886	10,798	90.8	10,421	377	3.5	1,088	57	38	372	622
45 to 49 years	6,466	5,981	92.5	5,774	208	3.5	484	26	28	190	241
50 to 54 years	5,421	4,817	88.9	4,847	189	3.5	804	31	11	182	381
55 to 64 years	10,101	6,779	67.1	6,533	246	3.6	3,322	86	6	506	2,743
55 to 59 years	5,073	4,052	79.9	3,906	147	3.8	1,020	24	6	257	734
60 to 64 years	5,028	2,727	54.2	2,827	99	3.6	2,301	42	-	249	2,009
65 years and over	12,073	2,082	17.1	2,022	40	1.9	10,011	217	-	493	9,300
65 to 69 years	4,557	1,222	26.8	1,188	34	2.8	3,335	50	-	191	3,094
70 to 74 years	3,351	528	15.8	524	4	.8	2,823	48	-	110	2,666
75 years and over	4,185	312	7.5	310	2	.7	3,853	120	-	192	3,541
Women											
18 years and over	97,387	55,272	56.8	52,491	2,781	5.0	42,115	26,517	4,643	1,579	9,375
16 to 19 years	7,145	3,470	48.6	3,029	441	12.7	3,675	388	3,019	14	257
16 to 17 years	3,435	1,335	38.9	1,137	198	14.9	2,100	90	1,901	5	103
18 to 19 years	3,710	2,134	57.5	1,892	242	11.4	1,576	296	1,117	8	154
20 to 24 years	9,329	6,631	71.1	6,086	546	6.2	2,698	1,527	897	14	259
25 to 54 years	52,859	38,675	73.4	37,043	1,632	4.2	13,985	11,571	687	500	1,227
25 to 34 years	21,752	15,849	72.9	15,011	838	5.3	5,903	4,693	448	107	455
25 to 29 years	10,795	7,954	73.7	7,485	469	6.1	2,841	2,311	259	43	228
30 to 34 years	10,957	7,695	72.1	7,546	349	4.4	3,062	2,583	189	84	228
35 to 44 years	18,201	13,854	76.1	13,370	484	3.5	4,347	3,621	189	173	364
35 to 39 years	9,774	7,375	75.4	7,109	266	3.6	2,400	2,005	111	72	212
40 to 44 years	8,427	6,479	76.9	6,281	216	3.4	1,948	1,617	78	101	152
45 to 54 years	12,708	8,972	70.6	8,662	310	3.5	3,734	3,056	49	221	409
45 to 49 years	8,889	5,120	74.3	4,924	196	3.8	1,769	1,455	34	109	171
50 to 54 years	5,817	3,852	66.2	3,738	114	3.0	1,985	1,601	14	111	236
55 to 64 years	11,315	5,066	44.9	4,957	129	2.5	6,229	4,458	30	355	1,386
55 to 59 years	5,581	3,055	54.7	2,986	87	2.8	2,528	1,928	21	182	395
60 to 64 years	5,734	2,031	35.4	1,989	42	2.1	3,703	2,530	9	174	991
65 years and over	18,938	1,411	8.3	1,377	34	2.4	15,527	6,576	11	696	6,245
65 to 69 years	5,427	894	16.5	868	29	3.2	4,532	2,747	1	128	1,656
70 to 74 years	4,397	342	7.8	336	3	.9	4,055	2,412	3	137	1,503
75 years and over	7,115	175	2.5	173	2	1.3	6,840	3,417	7	430	3,066

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	March 1989										
	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	159,020	105,100	66.1	100,435	4,664	4.4	53,921	23,532	7,134	2,783	20,472
16 to 19 years	11,627	6,262	53.9	5,520	742	11.9	5,365	305	4,667	20	373
16 to 17 years	5,611	2,395	42.7	2,057	338	14.1	3,217	87	2,964	6	160
18 to 19 years	6,016	3,868	64.3	3,463	405	10.5	2,148	218	1,703	14	212
20 to 24 years	14,976	11,755	78.5	10,973	782	6.7	3,221	1,206	1,576	51	389
25 to 54 years	87,565	73,388	83.8	70,633	2,757	3.8	14,177	10,021	853	1,098	2,206
25 to 34 years	35,964	30,262	84.1	28,895	1,367	4.5	5,702	4,133	582	284	704
25 to 29 years	17,762	14,970	84.3	14,186	783	5.2	2,792	1,918	383	113	378
30 to 34 years	18,202	15,292	84.0	14,708	584	3.8	2,910	2,215	199	170	327
35 to 44 years	30,483	26,031	85.4	25,159	872	3.4	4,452	3,204	207	397	644
35 to 39 years	16,281	13,858	85.1	13,398	459	5.3	2,424	1,778	127	162	369
40 to 44 years	14,202	12,173	85.7	11,761	413	3.4	2,028	1,450	81	235	275
45 to 54 years	21,119	17,096	81.0	16,580	516	3.0	4,023	2,684	64	417	857
45 to 49 years	11,449	9,605	83.9	9,282	324	3.4	1,844	1,252	46	214	328
50 to 54 years	9,669	7,491	77.5	7,297	193	4.3	2,179	1,438	18	203	529
55 to 64 years	18,816	10,544	56.0	10,214	330	3.1	8,272	4,025	28	646	3,573
55 to 59 years	9,306	6,307	67.8	6,094	213	3.4	3,000	1,713	22	325	940
60 to 64 years	9,510	4,237	44.6	4,120	117	2.8	5,273	2,312	6	321	2,633
65 years and over	26,035	3,150	12.1	3,095	55	1.7	22,885	7,974	10	968	13,932
65 to 69 years	8,861	1,905	21.5	1,863	43	2.3	6,955	2,483	1	257	4,215
70 to 74 years	6,981	788	11.3	781	7	.9	6,193	2,221	3	202	3,764
75 years and over	10,194	457	4.5	452	5	1.1	9,737	3,270	7	509	5,953
Men											
16 years and over	76,299	58,334	76.5	55,615	2,719	4.7	17,965	417	3,584	1,590	12,373
16 to 19 years	5,857	3,264	55.7	2,816	449	13.8	2,592	14	2,389	13	176
16 to 17 years	2,870	1,248	43.5	1,049	199	15.9	1,622	12	1,531	4	76
18 to 19 years	2,987	2,017	67.5	1,766	250	12.4	970	2	858	9	100
20 to 24 years	7,326	6,198	84.6	5,778	420	6.8	1,128	31	837	39	222
25 to 54 years	43,355	40,885	94.3	39,280	1,606	3.9	2,470	129	356	743	1,244
25 to 34 years	17,917	17,041	95.1	16,261	779	4.6	876	42	263	203	369
25 to 29 years	8,819	8,313	94.3	7,860	452	5.4	506	12	204	76	215
30 to 34 years	9,098	8,728	95.9	8,401	327	3.7	370	30	60	126	154
35 to 44 years	15,088	14,350	95.1	13,823	527	3.7	738	40	60	267	372
35 to 39 years	8,086	7,703	95.3	7,430	272	3.5	383	27	38	104	215
40 to 44 years	7,002	6,647	94.9	6,393	254	3.8	355	13	22	163	157
45 to 54 years	10,350	9,495	91.7	9,195	299	3.2	856	47	32	274	503
45 to 49 years	5,627	5,255	93.4	5,081	174	3.3	372	23	22	141	186
50 to 54 years	4,723	4,240	89.8	4,114	125	3.0	484	24	10	133	316
55 to 64 years	8,929	6,108	68.4	5,890	218	3.6	2,821	44	4	380	2,393
55 to 59 years	4,469	3,648	81.6	3,516	132	3.6	821	13	3	196	608
60 to 64 years	4,460	2,460	55.1	2,374	85	3.5	2,001	31	184	1785	
65 years and over	10,832	1,879	17.4	1,852	28	1.5	8,952	200	415	8,338	
65 to 69 years	4,047	1,097	27.1	1,076	21	1.9	2,949	41	163	2,746	
70 to 74 years	3,027	484	16.0	481	4	.8	2,543	45	92	2,405	
75 years and over	3,758	298	7.9	295	2	.7	3,460	114	160	3,187	
Women											
16 years and over	82,721	46,765	56.5	44,820	1,945	4.2	35,956	23,114	3,550	1,194	8,098
16 to 19 years	5,770	2,998	52.0	2,705	293	9.8	2,772	291	2,278	7	196
16 to 17 years	2,741	1,147	41.8	1,007	139	12.1	1,594	75	1,433	2	84
18 to 19 years	3,029	1,851	61.1	1,697	154	8.3	1,178	216	845	5	112
20 to 24 years	7,650	5,557	72.6	5,195	362	6.5	2,093	1,176	739	11	167
25 to 54 years	44,210	32,503	73.5	31,353	1,151	3.5	11,707	9,892	497	355	962
25 to 34 years	18,047	13,221	73.3	12,633	588	4.4	4,826	4,091	318	81	335
25 to 29 years	8,943	6,657	74.4	6,326	331	5.0	2,286	1,906	179	37	163
30 to 34 years	9,104	6,564	72.1	6,307	257	3.9	2,540	2,185	139	44	173
35 to 44 years	15,395	11,681	75.9	11,336	345	3.0	3,714	3,164	147	131	272
35 to 39 years	8,195	6,155	75.1	5,968	187	3.0	2,041	1,740	89	58	154
40 to 44 years	7,200	5,526	76.8	5,368	159	2.9	1,673	1,424	59	72	118
45 to 54 years	10,768	7,601	70.6	7,384	217	2.9	3,167	2,637	32	143	354
45 to 49 years	5,822	4,350	74.7	4,201	150	3.4	1,472	1,233	24	73	142
50 to 54 years	4,946	3,251	65.7	3,183	68	2.1	1,695	1,405	8	70	213
55 to 64 years	9,887	4,436	44.9	4,324	112	2.5	5,451	3,981	24	266	1,180
55 to 59 years	4,838	2,659	55.0	2,578	80	3.0	2,179	1,700	19	129	332
60 to 64 years	5,049	1,777	35.2	1,746	32	1.8	3,272	2,281	6	137	848
65 years and over	15,204	1,271	8.4	1,244	27	2.1	13,933	7,774	11	554	5,594
65 to 69 years	4,814	808	16.8	787	22	2.7	4,006	2,442	1	94	1,469
70 to 74 years	3,954	304	7.7	300	3	1.0	3,650	2,176	3	110	1,359
75 years and over	6,436	159	2.5	157	3	1.6	6,277	3,156	7	349	2,766

**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	March 1989										
	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	20,930	13,243	63.3	11,761	1,483	11.2	7,687	2,713	1,581	749	2,644
16 to 19 years	2,174	775	35.6	521	255	32.8	1,399	84	1,176	11	128
16 to 17 years	1,104	276	25.0	191	85	30.9	828	10	786	3	28
18 to 19 years	1,070	499	46.6	330	169	33.9	571	74	390	7	100
20 to 24 years	2,495	1,777	71.2	1,476	301	16.9	718	309	204	22	184
25 to 54 years	11,702	9,394	80.3	8,529	865	9.2	2,309	1,235	194	313	566
25 to 34 years	5,293	4,238	80.1	3,756	481	11.4	1,056	601	131	67	256
25 to 29 years	2,677	2,128	79.5	1,858	271	12.7	549	313	80	22	132
30 to 34 years	2,616	2,109	80.6	1,898	211	10.0	507	288	50	45	124
35 to 44 years	3,840	3,190	83.1	2,941	249	7.8	651	341	46	88	177
35 to 39 years	2,176	1,817	83.5	1,661	156	8.6	359	201	23	43	92
40 to 44 years	1,665	1,373	82.5	1,280	92	6.7	291	140	22	45	84
45 to 54 years	2,569	1,967	76.6	1,832	135	6.9	602	293	17	158	133
45 to 49 years	1,368	1,057	77.3	1,003	54	5.1	311	159	11	78	64
50 to 54 years	1,202	911	75.8	830	81	8.9	291	134	7	80	69
55 to 64 years	2,121	1,041	49.1	996	44	4.3	1,080	398	7	200	475
55 to 59 years	1,103	634	57.4	613	21	3.3	469	195	4	107	163
60 to 64 years	1,018	407	40.0	383	24	5.8	611	203	3	93	312
65 years and over	2,437	256	10.5	238	18	7.0	2,181	687		203	1,291
65 to 69 years	895	161	18.0	142	19	11.8	735	249		60	425
70 years and over	1,543	95	6.2	97	-	-	1,446	437		143	866
Men											
16 years and over	9,396	6,577	70.0	5,817	760	11.6	2,819	98	748	393	1,582
16 to 19 years	1,071	390	36.4	276	115	29.3	681	7	593	4	76
16 to 17 years	556	132	23.7	99	32	24.5	424	-	411	-1	13
18 to 19 years	515	259	50.2	176	82	31.8	256	7	182	4	63
20 to 24 years	1,136	911	80.1	759	151	16.6	226	10	101	20	96
25 to 54 years	5,248	4,608	87.8	4,153	455	9.9	642	49	53	183	357
25 to 34 years	2,397	2,139	89.3	1,884	256	12.0	257	23	35	46	153
25 to 29 years	1,212	1,081	89.2	954	128	11.8	131	10	25	17	78
30 to 34 years	1,185	1,058	89.3	930	128	12.1	127	13	10	29	75
35 to 44 years	1,712	1,524	89.0	1,390	134	8.8	189	19	15	52	105
35 to 39 years	971	884	91.0	794	90	10.1	87	9	4	31	43
40 to 44 years	742	640	86.3	596	44	6.9	101	9	10	21	61
45 to 54 years	1,139	945	82.9	880	65	6.9	195	7	3	85	99
45 to 49 years	608	515	84.6	491	24	4.7	93	2	3	41	47
50 to 54 years	532	430	80.9	389	41	9.6	102	5		44	52
55 to 64 years	957	530	55.4	502	28	5.3	427	17	1	114	295
55 to 59 years	499	325	65.0	310	15	4.5	175	11	2	56	106
60 to 64 years	458	205	44.8	192	13	6.6	253	7		57	190
65 years and over	982	138	14.1	127	11	8.2	844	15		72	758
65 to 69 years	391	92	23.5	80	12	13.0	299	7		26	265
70 years and over	592	46	7.8	47	-	(¹)	545	7		46	492
Women											
16 years and over	11,534	6,666	57.8	5,944	723	10.8	4,868	2,615	833	356	1,063
16 to 19 years	1,103	385	34.9	245	140	36.4	718	77	583	7	52
16 to 17 years	548	144	26.3	91	53	36.8	403	10	375	4	15
18 to 19 years	555	240	43.3	154	87	36.1	315	67	208	3	37
20 to 24 years	1,359	866	63.7	717	149	17.2	492	299	103	2	88
25 to 54 years	6,454	4,786	74.2	4,376	410	8.6	1,667	1,186	141	130	209
25 to 34 years	2,896	2,098	72.4	1,873	225	10.7	798	578	96	21	103
25 to 29 years	1,465	1,047	71.4	904	143	13.6	418	303	55	5	54
30 to 34 years	1,431	1,051	73.5	968	83	7.9	380	275	40	16	49
35 to 44 years	2,128	1,666	78.3	1,551	115	6.9	462	322	31	36	72
35 to 39 years	1,205	933	77.4	867	66	7.1	272	192	19	12	49
40 to 44 years	923	733	79.4	684	48	6.6	190	131	12	24	23
45 to 54 years	1,430	1,022	71.5	952	70	6.9	407	286	14	73	34
45 to 49 years	760	542	71.3	512	30	5.5	218	157	8	37	17
50 to 54 years	670	481	71.8	441	40	8.4	189	129	7	36	17
55 to 64 years	1,164	511	43.9	495	16	3.2	653	381	6	86	180
55 to 59 years	604	309	51.2	303	6	2.0	295	184	3	50	58
60 to 64 years	560	202	36.0	192	10	5.0	358	196	3	36	122
65 years and over	1,455	118	8.1	111	7	5.6	1,337	672		131	533
65 to 69 years	504	69	13.6	62	7	(¹)	436	242		34	160
70 years and over	951	49	5.2	50		(¹)	901	430		97	374

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	March 1989								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	26,877	17,123	63.7	15,409	200	15,209	1,714	10.0	9,754
16 to 19 years	2,695	948	35.2	672	5	667	276	29.1	1,748
16 to 17 years	1,391	352	25.3	256	5	251	96	27.2	1,040
18 to 19 years	1,304	596	45.7	416	-	416	180	30.2	708
20 to 24 years	3,163	2,214	70.0	1,858	27	1,831	356	16.1	949
25 to 54 years	15,443	12,318	79.8	11,300	123	11,175	1,018	8.3	3,125
25 to 34 years	6,844	5,387	78.7	4,854	61	4,793	534	9.9	1,457
25 to 29 years	3,429	2,665	77.7	2,361	36	2,325	304	11.4	765
30 to 34 years	3,414	1,463	42.9	2,493	26	2,467	230	15.7	692
35 to 44 years	5,125	4,256	83.0	3,943	37	3,905	313	7.4	869
35 to 39 years	2,911	2,438	83.8	2,240	20	2,220	197	8.1	473
40 to 44 years	2,214	1,819	82.2	1,702	17	1,685	116	6.4	396
45 to 54 years	3,474	2,674	77.0	2,503	25	2,478	171	6.4	800
45 to 49 years	1,905	1,496	78.5	1,416	7	1,409	80	5.3	409
50 to 54 years	1,569	1,178	75.1	1,088	18	1,070	90	7.6	391
55 to 64 years	2,600	1,321	50.8	1,276	25	1,252	45	3.4	1,279
55 to 59 years	1,348	801	59.4	780	15	765	21	2.6	547
60 to 64 years	1,252	520	41.6	496	10	487	24	4.7	732
65 years and over	2,976	323	10.8	304	21	283	19	5.9	2,653
65 to 69 years	1,124	211	18.8	191	12	179	20	9.5	912
70 to 74 years	768	82	10.7	82	9	74	-	-	685
75 years and over	1,085	30	2.8	30	-	30	-	(¹)	1,056
Men									
16 years and over	12,212	8,616	70.6	7,738	161	7,578	878	10.2	3,595
16 to 19 years	1,321	476	36.1	347	5	343	129	27.0	845
16 to 17 years	697	163	23.4	126	5	122	37	22.5	534
18 to 19 years	623	313	50.2	221	-	221	92	29.4	310
20 to 24 years	1,483	1,140	76.8	967	18	949	173	15.2	344
25 to 54 years	6,995	6,147	87.9	5,610	104	5,506	536	8.7	848
25 to 34 years	3,140	2,759	87.9	2,476	50	2,426	284	10.3	380
25 to 29 years	1,577	1,368	86.7	1,222	34	1,188	146	10.7	209
30 to 34 years	1,562	1,391	89.1	1,254	16	1,238	138	9.9	171
35 to 44 years	2,319	2,083	89.8	1,909	31	1,877	175	8.4	236
35 to 39 years	1,332	1,218	91.5	1,099	14	1,085	118	9.7	114
40 to 44 years	987	866	87.7	809	17	792	56	6.5	122
45 to 54 years	1,536	1,303	84.8	1,226	23	1,203	78	6.0	233
45 to 49 years	838	726	86.6	693	7	686	33	4.6	112
50 to 54 years	698	577	82.7	533	16	517	44	7.6	121
55 to 64 years	1,172	671	57.3	643	15	629	28	4.2	500
55 to 59 years	604	404	66.9	390	6	384	14	3.6	200
60 to 64 years	567	267	47.1	253	9	244	14	5.2	300
65 years and over	1,241	183	14.7	171	20	150	12	6.7	1,058
65 to 69 years	511	125	24.6	112	12	100	13	10.3	385
70 to 74 years	324	44	13.6	44	8	36	-	(¹)	280
75 years and over	407	14	3.4	14	-	14	-	(¹)	393
Women									
16 years and over	14,665	8,507	58.0	7,671	39	7,632	836	9.8	6,159
16 to 19 years	1,375	472	34.3	324	-	324	147	31.2	903
16 to 17 years	694	189	27.2	129	-	129	59	31.4	505
18 to 19 years	681	283	41.6	195	-	195	88	31.2	398
20 to 24 years	1,679	1,074	64.0	891	9	882	183	17.1	605
25 to 54 years	8,448	6,171	73.0	5,690	19	5,669	482	7.8	2,277
25 to 34 years	3,704	2,628	70.9	2,378	11	2,366	250	9.5	1,077
25 to 29 years	1,852	1,297	70.0	1,139	2	1,137	158	12.2	556
30 to 34 years	1,852	1,331	71.9	1,239	10	1,229	92	6.9	521
35 to 44 years	2,806	2,173	77.4	2,034	6	2,028	139	6.4	633
35 to 39 years	1,579	1,220	77.3	1,141	6	1,135	79	6.5	359
40 to 44 years	1,227	953	77.6	893	-	893	60	6.3	274
45 to 54 years	1,938	1,371	70.7	1,278	2	1,275	93	6.8	567
45 to 49 years	1,067	770	72.2	723	-	723	47	6.1	297
50 to 54 years	871	601	69.0	555	2	553	46	7.7	270
55 to 64 years	1,428	650	45.5	633	10	623	17	2.6	778
55 to 59 years	744	397	53.3	390	9	381	6	1.6	347
60 to 64 years	685	253	37.0	243	1	242	10	4.1	431
65 years and over	1,735	140	8.1	133	1	133	7	4.8	1,595
65 to 69 years	613	86	14.0	79	-	79	7	8.1	527
70 to 74 years	444	38	8.6	38	1	38	-	(¹)	405
75 years and over	678	16	2.4	16	-	16	-	(¹)	663

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	
	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989
TOTAL								
Civilian noninstitutional population	184,111	185,897	80,260	81,333	89,261	90,242	14,591	14,323
Civilian labor force	119,957	122,223	62,238	63,210	50,476	51,803	7,243	7,210
Percent of population	65.2	65.7	77.5	77.7	56.5	57.4	49.6	50.3
Employed	112,867	115,844	58,807	60,191	48,051	49,462	6,009	6,192
Agriculture	2,902	2,934	2,109	2,166	575	594	218	174
Nonagricultural industries	109,964	112,911	56,697	58,025	47,476	48,868	5,791	6,018
Unemployed	7,090	6,378	3,432	3,019	2,425	2,341	1,234	1,018
Unemployment rate	5.9	5.2	5.5	4.8	4.8	4.5	17.0	14.1
Not in labor force	64,154	63,674	18,021	18,123	38,785	38,439	7,348	7,112
White								
Civilian noninstitutional population	157,868	159,020	69,680	70,442	76,293	76,951	11,895	11,627
Civilian labor force	103,388	105,100	54,307	55,070	42,769	43,767	6,312	6,262
Percent of population	65.5	66.1	77.9	78.2	56.1	56.9	53.1	53.9
Employed	98,202	100,435	51,723	52,800	41,101	42,115	5,378	5,520
Agriculture	2,751	2,734	1,987	2,010	555	555	208	170
Nonagricultural industries	95,452	97,701	49,735	50,790	40,546	41,561	5,170	5,351
Unemployed	5,185	4,664	2,584	2,270	1,668	1,652	934	742
Unemployment rate	5.0	4.4	4.8	4.1	3.9	3.8	14.8	11.9
Not in labor force	54,481	53,921	15,374	15,372	33,524	33,184	5,583	5,365
Black								
Civilian noninstitutional population	20,596	20,930	8,171	8,325	10,247	10,431	2,178	2,174
Civilian labor force	12,932	13,243	6,081	6,187	6,112	6,281	740	775
Percent of population	62.8	63.3	74.4	74.3	59.6	60.2	34.0	35.6
Employed	11,273	11,761	5,369	5,541	5,443	5,699	461	521
Agriculture	120	160	101	126	12	29	7	4
Nonagricultural industries	11,153	11,601	5,267	5,415	5,432	5,670	454	517
Unemployed	1,659	1,483	712	646	668	582	278	255
Unemployment rate	12.8	11.2	11.7	10.4	10.9	9.3	37.6	32.8
Not in labor force	7,664	7,687	2,090	2,138	4,135	4,149	1,438	1,399

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	March 1989									
	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 ENROLLED										
Total, 16 to 24 years	16,056	7,759	48.3	7,059	1,256	5,803	699	127	572	9.0
16 to 19 years	11,067	4,784	43.2	4,247	449	3,798	536	69	467	11.2
20 to 24 years	4,989	2,975	59.6	2,812	807	2,005	163	58	105	5.5
High school	8,538	3,546	41.5	3,092	286	2,806	454	54	400	12.8
College	7,518	4,213	56.0	3,967	970	2,997	245	73	173	5.8
Full-time students	6,603	3,395	51.4	3,182	472	2,710	213	52	161	6.3
Part-time students	914	817	89.4	785	498	287	32	21	12	4.0
Men, 16 to 24 years	8,173	3,938	48.2	3,549	695	2,854	389	83	306	9.9
16 to 19 years	5,590	2,420	43.3	2,119	242	1,876	301	44	257	12.5
20 to 24 years	2,583	1,518	58.8	1,430	452	978	88	39	49	5.8
High school	4,488	1,868	41.6	1,622	186	1,436	246	30	216	13.2
College	3,686	2,070	56.2	1,928	509	1,419	143	53	90	6.9
Full-time students	3,274	1,694	51.7	1,572	274	1,298	122	42	80	7.2
Part-time students	411	377	91.5	356	235	121	21	11	10	5.5
Women, 16 to 24 years	7,882	3,821	48.5	3,510	561	2,949	310	44	266	8.1
16 to 19 years	5,477	2,363	43.2	2,129	207	1,922	235	25	210	9.9
20 to 24 years	2,405	1,457	60.6	1,382	354	1,027	76	20	56	5.2
High school	4,050	1,678	41.4	1,470	100	1,371	208	24	183	12.4
College	3,832	2,143	55.9	2,040	461	1,579	103	20	83	4.8
Full-time students	3,329	1,702	51.1	1,611	198	1,412	91	10	81	5.4
Part-time students	503	441	87.6	429	263	167	12	10	2	2.6
White										
Total, 16 to 24 years	13,168	6,710	51.0	6,189	1,096	5,093	521	90	430	7.8
16 to 19 years	8,928	4,145	46.4	3,741	392	3,349	404	57	347	9.7
20 to 24 years	4,240	2,565	60.5	2,448	704	1,744	117	34	83	4.6
Men	6,717	3,416	50.9	3,114	609	2,505	302	63	239	8.9
Women	6,451	3,294	51.1	3,075	487	2,588	219	27	191	6.6
High school	6,778	3,050	45.0	2,708	249	2,458	345	44	301	11.3
College	6,390	3,859	57.3	3,484	847	2,637	176	47	129	4.8
Full-time students	5,624	2,965	52.7	2,808	417	2,390	158	35	123	5.3
Part-time students	767	894	90.5	676	429	246	18	12	8	2.6
Black										
Total, 16 to 24 years	2,138	785	35.8	613	115	498	152	28	124	19.9
16 to 19 years	1,669	503	29.8	383	46	335	120	12	108	23.9
20 to 24 years	449	282	62.8	230	68	162	32	16	16	12.3
Men	1,061	374	35.3	300	50	249	74	19	56	19.9
Women	1,077	391	36.3	313	65	246	78	9	69	19.9
High school	1,396	361	27.3	284	30	254	96	10	86	25.3
College	742	365	51.8	329	85	243	56	18	38	14.6
Full-time students	649	305	46.9	256	43	212	49	16	33	18.1
Part-time students	93	80	86.4	73	42	31	7	1	6	8.7
Hispanic origin										
Total, 16 to 24 years	1,232	464	37.7	431	124	307	34	7	28	7.2
16 to 19 years	908	271	29.9	245	82	163	26	7	19	9.7
20 to 24 years	324	193	59.6	186	62	124	7	-	7	3.8
Men	817	250	40.5	230	72	158	19	6	13	7.7
Women	815	215	34.9	200	51	149	14	1	13	6.7
High school	786	221	28.1	197	60	138	24	7	17	10.8
College	446	243	54.5	233	84	170	10	-	9	4.0
Full-time students	354	157	44.4	147	18	131	10	1	10	8.5
Part-time students	92	86	93.6	86	47	39	-	-	-	-

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	March 1989									
	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	16,406	13,420	81.8	11,963	10,292	1,672	1,457	1,321	136	10.9
16 to 19 years	3,256	2,427	74.5	1,944	1,500	445	482	421	61	19.9
20 to 24 years	13,150	10,993	83.6	10,019	8,792	1,227	975	900	75	8.9
Less than 4 years of high school	4,006	2,607	65.1	2,022	1,625	397	585	514	71	22.4
4 years of high school	8,466	7,147	84.4	6,441	5,539	902	706	657	49	9.9
1 to 3 years of college	2,525	2,297	91.0	2,161	1,911	250	136	124	12	5.9
4 years of college or more	1,409	1,370	97.2	1,339	1,217	123	30	26	4	2.2
Men, 16 to 24 years	7,814	7,140	91.4	6,359	5,754	605	781	744	37	10.9
16 to 19 years	1,587	1,320	83.2	1,044	846	198	276	257	19	20.9
20 to 24 years	6,226	5,820	93.5	5,315	4,908	406	505	487	18	8.7
Less than 4 years of high school	2,117	1,747	82.5	1,392	1,185	207	355	332	22	20.3
4 years of high school	4,033	3,791	94.0	3,446	3,158	288	345	336	9	9.1
1 to 3 years of college	1,089	1,038	95.3	972	891	81	66	62	4	6.3
4 years of college or more	575	565	98.2	549	520	29	16	13	2	2.8
Women, 16 to 24 years	8,592	6,280	73.1	5,604	4,537	1,067	676	577	99	10.8
16 to 19 years	1,668	1,106	66.3	900	654	247	206	164	42	18.6
20 to 24 years	6,924	5,174	74.7	4,704	3,884	820	470	413	57	9.1
Less than 4 years of high school	1,888	860	45.5	630	440	190	230	181	49	26.8
4 years of high school	4,433	3,356	75.7	2,995	2,381	614	361	321	40	10.8
1 to 3 years of college	1,436	1,259	87.7	1,189	1,020	169	70	62	8	5.6
4 years of college or more	835	805	96.5	791	696	94	15	13	2	1.8
White										
Total, 16 to 24 years	13,435	11,308	84.2	10,304	8,903	1,401	1,004	912	91	8.9
16 to 19 years	2,699	2,118	78.5	1,779	1,383	396	339	310	29	16.0
20 to 24 years	10,736	9,190	85.6	8,525	7,520	1,005	665	603	62	7.2
Men	6,466	6,046	93.5	5,480	5,007	473	566	545	21	9.4
Women	6,969	5,262	75.5	4,824	3,896	928	437	367	70	8.3
Less than 4 years of high school	3,170	2,205	69.6	1,803	1,469	334	402	360	42	18.2
4 years of high school	6,938	6,009	86.6	5,530	4,788	742	480	445	35	8.0
1 to 3 years of college	2,098	1,901	90.6	1,806	1,591	215	95	85	10	5.0
4 years of college or more	1,229	1,193	97.0	1,166	1,056	110	27	22	4	2.2
Black										
Total, 16 to 24 years	2,531	1,787	70.6	1,383	1,144	239	403	364	39	22.6
16 to 19 years	485	272	56.0	137	96	41	134	102	33	49.5
20 to 24 years	2,046	1,515	74.1	1,246	1,048	198	269	262	7	17.7
Men	1,147	927	80.8	735	624	111	192	178	14	20.7
Women	1,384	860	62.1	648	520	128	212	186	26	24.6
Less than 4 years of high school	720	336	46.7	168	115	53	168	140	27	49.9
4 years of high school	1,350	1,015	75.2	806	663	142	210	198	12	20.6
1 to 3 years of college	347	322	92.9	296	265	32	26	26	1	8.1
4 years of college or more	114	113	99.0	113	101	12	-	-	-	-
Hispanic origin										
Total, 16 to 24 years	2,009	1,506	74.9	1,325	1,161	164	181	164	16	12.0
16 to 19 years	477	331	69.4	263	211	52	68	64	3	20.5
20 to 24 years	1,532	1,175	76.7	1,062	950	112	113	100	13	9.6
Men	1,027	941	91.6	848	761	87	93	93	-	9.9
Women	982	565	57.5	477	400	77	87	71	16	15.5
Less than 4 years of high school	986	667	67.6	561	490	71	105	98	7	15.8
4 years of high school	796	645	81.0	581	505	76	63	54	9	9.8
1 to 3 years of college	183	158	86.2	148	131	17	10	10	-	6.1
4 years of college or more	44	37	(²)	35	36	-	2	2	-	(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							
	Mar. 1988	Mar. 1989	Total		Employed		Unemployed			
			Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Number		Percent of labor force	
							Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989
VIETNAM-ERA VETERANS										
Total, 30 years and over	7,885	7,915	7,271	7,213	6,896	6,934	375	279	5.2	3.9
30 to 44 years	6,009	5,627	5,722	5,332	5,391	5,107	331	225	5.8	4.2
30 to 34 years	766	546	723	501	643	484	80	17	11.1	3.4
35 to 39 years	2,292	1,873	2,179	1,771	2,043	1,675	136	96	6.2	5.4
40 to 44 years	2,951	3,208	2,820	3,060	2,705	2,948	115	112	4.1	3.7
45 years and over	1,876	2,288	1,549	1,881	1,505	1,827	44	54	2.8	2.9
NONVETERANS										
Total, 30 to 44 years	20,129	21,169	18,892	20,008	17,988	19,149	904	859	4.8	4.3
30 to 34 years	8,991	9,297	8,470	8,830	8,024	8,439	446	391	5.3	4.4
35 to 39 years	6,673	7,242	6,273	6,862	5,988	6,586	285	276	4.5	4.0
40 to 44 years	4,465	4,630	4,149	4,316	3,976	4,124	173	192	4.2	4.4

NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces; 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	March 1989							
	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	94,890	93,188	1,702	20,955	17,873	3,082	5,214	1,165
16 to 19 years	1,948	1,869	79	4,243	3,979	264	490	529
16 to 17 years	251	238	13	2,061	2,008	53	110	324
18 to 19 years	1,697	1,631	66	2,182	1,971	211	380	205
20 years and over	92,940	91,318	1,622	16,712	13,894	2,818	4,724	636
20 to 24 years	9,599	9,358	241	3,233	2,736	497	958	180
25 years and over	83,341	81,960	1,381	13,478	11,157	2,321	3,766	457
25 to 54 years	72,300	71,087	1,213	9,631	7,711	1,920	3,432	343
55 years and over	11,041	10,873	168	3,848	3,446	402	334	114
Men, 16 years and over	56,328	55,317	1,011	7,025	5,764	1,261	3,125	472
16 to 19 years	1,088	1,043	45	2,074	1,942	132	301	276
20 years and over	55,240	54,274	966	4,950	3,822	1,128	2,823	196
20 to 24 years	5,361	5,207	154	1,384	1,155	229	525	67
25 years and over	49,879	49,068	811	3,566	2,667	899	2,297	130
25 to 54 years	42,958	42,254	704	1,932	1,178	754	2,063	79
55 years and over	6,921	6,814	107	1,634	1,489	145	235	51
Women, 16 years and over	38,561	37,870	691	13,930	12,109	1,821	2,089	692
16 to 19 years	860	826	34	2,169	2,037	132	188	252
20 years and over	37,700	37,044	656	11,762	10,072	1,690	1,901	440
20 to 24 years	4,238	4,151	87	1,847	1,580	267	433	113
25 years and over	33,463	32,893	570	9,913	8,491	1,422	1,467	327
25 to 54 years	29,343	28,834	509	7,700	6,534	1,166	1,368	264
55 years and over	4,120	4,059	61	2,213	1,957	256	99	63
White								
Men, 16 years and over	49,567	48,704	863	6,048	5,068	980	2,384	355
16 to 19 years	987	943	44	1,829	1,730	99	238	213
20 years and over	48,580	47,761	819	4,219	3,338	881	2,128	142
20 to 24 years	4,630	4,494	138	1,148	982	166	372	48
25 years and over	43,952	43,268	684	3,069	2,355	714	1,756	94
25 to 54 years	37,718	37,118	598	1,564	981	583	1,548	58
55 years and over	6,235	6,150	85	1,505	1,374	131	208	36
Women, 16 years and over	32,404	31,843	561	12,416	10,964	1,452	1,413	532
16 to 19 years	789	755	34	1,918	1,804	112	130	163
20 years and over	31,615	31,088	527	10,500	9,160	1,340	1,283	369
20 to 24 years	3,594	3,525	69	1,601	1,392	209	284	98
25 years and over	28,021	27,564	457	8,900	7,769	1,131	1,018	272
25 to 54 years	24,398	23,987	411	8,956	8,013	943	927	224
55 years and over	3,623	3,577	48	1,945	1,758	189	91	48
Black								
Men, 16 years and over	5,087	4,959	128	730	493	237	662	99
16 to 19 years	79	78	1	197	168	29	58	58
20 years and over	5,008	4,881	127	533	325	208	603	42
20 to 24 years	598	577	19	164	105	59	138	13
25 years and over	4,412	4,304	108	368	219	149	465	29
25 to 54 years	3,866	3,792	74	265	128	139	441	14
55 years and over	526	512	14	103	93	10	24	15
Women, 16 years and over	4,825	4,718	109	1,118	806	312	564	139
16 to 19 years	65	65	-	180	163	17	55	85
20 years and over	4,760	4,651	109	939	644	295	529	54
20 to 24 years	521	514	7	197	141	56	140	9
25 years and over	4,239	4,137	102	743	503	240	389	44
25 to 54 years	3,851	3,762	89	524	342	182	381	30
55 years and over	368	375	13	218	161	57	8	14

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	March 1989									
	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	98,491	66.1	93,338	5,153	5.2	50,478	22,113	8,525	2,595	17,245
Husbands	40,157	78.3	38,874	1,283	3.2	11,117	209	231	1,023	9,653
With employed wife	26,336	91.9	25,564	772	2.9	2,315	74	140	346	1,755
With unemployed wife	877	90.3	790	87	9.9	94	2	10	14	68
With wife not in labor force	12,944	59.8	12,520	424	3.3	8,708	134	80	663	7,831
Wives	29,622	57.8	28,651	971	3.3	21,652	17,268	371	463	3,550
With employed husband	26,354	67.8	25,564	790	3.0	12,520	11,133	300	162	925
With unemployed husband	859	67.0	772	87	10.1	424	368	16	17	23
With husband not in labor force	2,409	21.7	2,315	94	3.9	8,708	5,767	55	284	2,602
Relatives in married-couple families	12,359	60.4	11,190	1,169	9.5	8,090	669	5,723	367	1,331
16 to 19 years	4,536	48.7	4,013	523	11.5	4,775	74	4,421	15	266
20 to 24 years	4,527	74.6	4,167	361	8.0	1,544	130	1,171	25	217
25 years and over	3,295	65.0	3,010	285	8.6	1,771	465	131	327	848
Women who maintain families	6,717	61.9	6,183	534	7.9	4,141	2,829	234	247	831
Relatives in families maintained by women	5,438	59.4	4,633	805	14.8	3,711	724	1,640	318	1,028
16 to 19 years	1,417	48.0	1,120	297	21.0	1,532	78	1,299	9	146
20 to 24 years	1,494	72.8	1,262	232	15.5	557	125	265	23	143
25 years and over	2,527	60.9	2,251	276	10.9	1,622	521	76	286	739
Men who maintain families	2,269	77.1	2,106	163	7.2	675	52	34	93	496
Relatives in families maintained by men	1,931	63.9	1,702	229	11.9	1,092	362	292	84	354
16 to 19 years	341	56.0	276	65	19.1	269	24	210	3	32
20 to 24 years	535	82.3	471	64	12.0	115	40	54	-	20
25 years and over	1,055	59.8	955	100	9.5	708	298	28	81	302

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	
	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989
Total, 16 years and over	4,136	3,597	6.3	5.4	2,955	2,781	5.5	5.0
Married, spouse present	1,615	1,389	3.9	3.3	1,189	1,072	4.0	3.5
Widowed, divorced, or separated	495	527	7.4	7.8	613	604	5.9	5.7
Single (never married)	2,026	1,681	11.6	9.3	1,153	1,106	8.5	7.9
White, 16 years and over	3,141	2,719	5.5	4.7	2,044	1,945	4.5	4.2
Married, spouse present	1,333	1,120	3.6	3.0	942	856	3.6	3.2
Widowed, divorced, or separated	372	398	6.7	7.1	416	433	5.0	5.1
Single (never married)	1,436	1,201	9.8	8.0	686	656	6.3	5.9
Black, 16 years and over	853	760	13.3	11.6	806	723	12.4	10.8
Married, spouse present	215	214	6.7	6.8	190	157	7.9	6.4
Widowed, divorced, or separated	109	116	11.3	11.9	188	158	10.3	8.4
Single (never married)	529	431	23.3	17.6	428	408	19.0	17.3
Total, 25 years and over	2,683	2,427	4.9	4.3	1,817	1,795	4.2	4.0
Married, spouse present	1,502	1,298	3.8	3.2	944	904	3.4	3.2
Widowed, divorced, or separated	485	502	7.5	7.7	556	549	5.5	5.3
Single (never married)	698	628	8.5	7.1	317	342	5.3	5.5
White, 25 years and over	2,061	1,851	4.3	3.8	1,266	1,290	3.4	3.4
Married, spouse present	1,235	1,047	3.5	2.9	747	724	3.1	2.9
Widowed, divorced, or separated	363	382	6.8	7.0	374	393	4.7	4.8
Single (never married)	464	422	6.8	5.8	146	172	3.2	3.6
Black, 25 years and over	508	494	9.8	9.4	478	433	9.1	8.0
Married, spouse present	200	198	6.5	6.6	144	126	6.5	5.5
Widowed, divorced, or separated	108	111	11.4	11.7	172	144	9.7	7.9
Single (never married)	200	185	17.6	14.1	162	163	13.1	12.4

A-12. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989
Total, 16 years and over	7,090	6,378	5.9	5.2	6.3	5.4	5.5	5.0
Managerial and professional specialty	473	561	1.6	1.8	1.6	1.7	1.6	2.0
Executive, administrative, and managerial	284	345	2.0	2.3	1.9	2.1	2.1	2.6
Professional specialty	189	217	1.2	1.4	1.3	1.2	1.2	1.5
Technical, sales, and administrative support	1,524	1,409	4.1	3.8	3.5	3.0	4.5	4.3
Technicians and related support	83	56	2.3	1.5	2.1	1.4	2.6	1.6
Sales occupations	726	643	5.1	4.5	3.6	3.0	6.6	6.0
Administrative support, including clerical	715	710	3.7	3.8	4.0	3.9	3.7	3.8
Service occupations	1,118	969	7.0	5.9	6.8	6.2	7.1	5.7
Private household	38	43	4.2	4.7	(¹)	(¹)	3.9	4.3
Protective service	75	61	3.9	3.1	3.4	2.6	6.9	5.6
Service, except private household and protective	1,005	865	7.6	6.4	8.0	7.4	7.4	5.9
Precision production, craft, and repair	970	883	6.8	6.1	6.8	6.2	6.9	5.3
Mechanics and repairers	186	191	4.0	4.0	3.9	3.9	5.1	6.9
Construction trades	546	498	10.3	9.3	10.3	9.4	9.0	7.4
Other precision production, craft, and repair	238	194	5.6	4.5	5.2	4.4	6.9	4.7
Operators, fabricators, and laborers	1,888	1,632	9.8	8.3	10.0	8.1	9.4	8.9
Machine operators, assemblers, and inspectors	706	655	8.1	7.2	7.9	6.2	8.4	8.7
Transportation and material moving occupations	440	354	8.6	6.9	8.8	7.1	6.9	5.6
Handlers, equipment cleaners, helpers, and laborers	742	622	13.9	11.6	13.6	11.6	15.0	11.5
Construction laborers	227	195	25.0	21.6	25.0	21.3	(¹)	(¹)
Other handlers, equipment cleaners, helpers, and laborers	515	428	11.6	9.6	10.9	9.2	14.7	11.0
Farming, forestry, and fishing	283	258	8.6	7.9	8.8	7.7	7.7	8.9
No previous work experience	794	636						
16 to 19 years	526	430						
20 to 24 years	153	92						
25 years and over	115	115						

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	
	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989
Total, 16 years and over	7,090	6,378	5.9	5.2	6.3	5.4	5.5	5.0
Nonagricultural private wage and salary workers	5,407	4,947	6.0	5.4	6.4	5.6	5.6	5.2
Mining	71	54	8.9	7.6	10.3	8.6	2.7	2.1
Construction	856	787	14.3	12.7	15.1	13.2	6.5	8.4
Manufacturing	1,233	1,142	5.6	5.2	5.2	4.6	6.4	6.2
Durable goods	703	644	5.4	5.0	5.2	4.6	6.0	5.9
Lumber and wood products	58	47	7.4	6.2	8.3	6.3	2.8	6.0
Furniture and fixtures	38	42	5.9	6.1	5.2	3.8	7.5	10.9
Stone, clay, and glass products	48	30	7.6	5.0	9.1	4.2	1.8	8.2
Primary metal industries	36	41	4.6	4.9	3.6	5.7	9.9	-
Fabricated metal products	75	104	5.4	7.7	6.0	8.1	3.2	5.8
Machinery, except electrical	104	89	4.0	3.3	3.9	2.8	4.2	5.0
Electrical machinery, equipment, and supplies	122	105	5.5	4.8	4.0	4.6	7.7	5.1
Transportation equipment	168	130	6.4	4.9	5.8	4.9	8.7	4.9
Automobiles	88	68	7.3	5.2	6.6	4.9	10.2	6.4
Other transportation equipment	81	62	5.7	4.6	5.0	4.9	7.6	3.5
Professional and photographic equipment	10	11	1.5	1.8	2.1	.8	.5	3.1
Other durable goods industries	43	45	7.7	7.9	6.5	3.4	8.9	12.7
Nondurable goods	530	498	5.9	5.4	5.3	4.6	6.9	6.5
Food and kindred products	181	149	9.8	8.0	9.7	7.4	10.1	9.1
Textile mill products	40	26	5.5	3.7	4.2	1.9	7.0	5.5
Apparel and other textile products	100	125	8.1	9.6	8.6	14.1	7.9	8.1
Paper and allied products	25	17	3.3	2.1	3.4	1.4	2.9	3.8
Printing and publishing	73	52	3.9	2.8	2.9	2.6	5.2	3.1
Chemicals and allied products	34	48	2.7	3.3	2.4	2.8	3.5	4.5
Rubber and miscellaneous plastics products	55	51	6.5	6.4	5.8	4.1	7.7	9.7
Other nondurable goods industries	21	30	5.6	7.3	3.8	6.5	9.4	9.1
Transportation and public utilities	281	274	4.4	4.3	4.4	4.7	4.3	3.2
Transportation	209	217	5.8	5.8	6.1	6.0	4.5	5.3
Communications and other public utilities	72	57	2.6	2.1	1.7	2.6	4.1	1.1
Wholesale and retail trade	1,622	1,357	7.1	5.9	6.3	5.2	8.0	6.8
Wholesale trade	217	151	5.0	3.5	4.6	3.4	5.9	3.8
Retail trade	1,404	1,205	7.6	6.5	6.9	5.8	8.3	7.2
Finance, insurance, and real estate	210	236	2.9	3.2	2.5	3.3	3.1	3.2
Service industries	1,134	1,097	4.6	4.2	5.0	4.0	4.3	4.4
Professional services	397	365	2.8	2.5	2.7	1.6	2.9	2.9
Other service industries	737	732	6.9	6.5	6.9	5.9	6.9	7.0
Agricultural wage and salary workers	232	189	13.6	11.1	14.6	11.3	10.6	10.2
Government, self-employed, and unpaid family workers	657	607	2.4	2.1	2.6	2.3	2.1	1.9
No previous work experience	794	636	-	-	-	-	-	-

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	
	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989
NUMBER OF UNEMPLOYED												
Total unemployed	7,090	6,378	3,432	3,019	2,425	2,341	1,234	1,018	5,185	4,664	1,659	1,483
Job losers	3,506	3,176	2,341	2,059	936	927	228	190	2,667	2,383	747	685
On layoff	1,083	996	797	667	229	266	57	64	925	815	137	159
Other job losers	2,423	2,180	1,544	1,392	707	661	171	126	1,742	1,568	610	526
Job leavers	1,012	850	434	364	419	372	159	113	772	660	209	159
Reentrants	1,784	1,721	537	524	921	912	326	286	1,211	1,217	494	427
New entrants	789	631	119	72	149	130	521	429	535	405	208	212
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	49.5	49.8	68.2	68.2	38.7	39.5	18.5	18.6	51.4	51.1	45.0	46.2
On layoff	15.3	15.6	23.2	22.1	9.5	11.3	4.6	6.2	17.8	17.5	8.3	10.7
Other job losers	34.2	34.2	45.0	46.1	29.2	28.2	13.9	12.4	33.6	33.6	36.8	35.5
Job leavers	14.3	13.3	12.7	12.1	17.3	15.9	12.9	11.1	14.9	14.1	12.6	10.7
Reentrants	25.2	27.0	15.7	17.3	38.0	38.9	26.4	28.1	23.4	26.1	29.8	28.8
New entrants	11.1	9.9	3.5	2.4	6.2	5.6	42.2	42.1	10.3	8.7	12.5	14.3
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	2.9	2.6	3.8	3.3	1.9	1.8	3.2	2.7	2.6	2.3	5.8	5.2
Job leavers .....	.8	.7	.7	.6	.8	.7	2.2	1.6	.7	.6	1.6	1.2
Reentrants	1.5	1.4	.9	.8	1.8	1.8	4.5	4.0	1.2	1.2	3.8	3.2
New entrants .....	.7	.5	.2	.1	.3	.3	7.2	6.0	.5	.4	1.6	1.6

**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	March 1989						
	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	6,378	100.0	43.2	32.5	24.3	13.3	11.0
Job losers	3,176	100.0	33.9	35.7	30.3	17.2	13.2
On layoff	996	100.0	44.1	34.9	21.0	16.6	4.4
Other job losers	2,180	100.0	29.3	36.1	34.6	17.5	17.2
Job leavers	850	100.0	47.4	33.7	18.8	11.2	7.6
Reentrants	1,721	100.0	50.9	29.0	20.1	10.4	9.7
New entrants	631	100.0	63.2	23.9	12.9	5.0	7.9
Men, 20 years and over	3,019	100.0	34.6	35.1	30.3	16.5	13.7
Job losers	2,059	100.0	30.3	36.5	33.2	18.5	14.7
On layoff	667	100.0	38.1	39.6	22.3	18.2	4.1
Other job losers	1,392	100.0	26.6	35.0	38.4	18.6	19.8
Job leavers	364	100.0	39.6	35.2	25.2	13.5	11.7
Reentrants	524	100.0	47.2	30.0	22.8	12.3	10.5
New entrants	72	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 20 years and over	2,341	100.0	46.2	32.2	21.6	11.8	9.8
Job losers	927	100.0	38.2	35.2	26.5	15.3	11.3
On layoff	266	100.0	54.8	25.4	19.8	13.5	6.3
Other job losers	661	100.0	31.6	39.2	29.2	16.0	13.3
Job leavers	372	100.0	48.3	35.6	16.1	10.2	5.9
Reentrants	912	100.0	50.7	28.8	20.5	10.3	10.2
New entrants	130	100.0	64.6	24.9	10.5	2.7	7.8
Both sexes, 16 to 19 years	1,018	100.0	61.9	25.3	12.8	7.5	5.3
Job losers	190	100.0	52.3	29.9	17.8	12.2	5.7
On layoff	64	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Other job losers	126	100.0	46.9	32.2	20.9	12.4	8.5
Job leavers	113	100.0	69.6	22.9	7.5	7.5	-
Reentrants	286	100.0	58.3	28.0	13.7	7.1	6.6
New entrants	429	100.0	66.4	22.3	11.3	5.5	5.8

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	
	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989
Total, 16 years and over	7,090	6,378	100.0	100.0	5,693	5,214	100.0	100.0
Less than 5 weeks	2,759	2,756	38.9	43.2	1,920	2,024	33.7	38.8
5 to 14 weeks	2,332	2,072	32.9	32.5	1,944	1,794	34.1	34.4
5 to 10 weeks	1,559	1,357	22.0	21.3	1,256	1,155	22.1	22.2
11 to 14 weeks	773	714	10.9	11.2	688	640	12.1	12.3
15 weeks and over	1,999	1,550	28.2	24.3	1,829	1,396	32.1	26.8
15 to 26 weeks	1,108	851	15.6	13.3	1,003	762	17.6	14.6
27 weeks and over	891	699	12.6	11.0	827	633	14.5	12.1
27 to 51 weeks	403	312	5.7	4.9	366	271	6.4	5.2
52 weeks and over	489	388	6.9	6.1	461	362	8.1	6.9
Average (mean) duration, in weeks	14.3	12.9			15.9	14.0		
Median duration, in weeks	8.0	6.8			9.5	7.9		

**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	
								Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989
	March 1989										
Total, 16 years and over	6,378	2,756	2,072	851	699	12.9	6.8	38.9	43.2	28.2	24.3
16 to 19 years	1,018	630	258	76	54	7.7	4.0	55.8	61.9	14.0	12.8
20 to 24 years	1,138	569	343	161	65	9.9	5.0	43.7	50.0	20.5	19.9
25 to 34 years	1,901	768	692	221	220	13.2	7.3	36.6	40.4	31.2	23.2
35 to 44 years	1,185	406	416	175	188	16.2	8.8	31.1	34.2	34.8	30.7
45 to 54 years	687	249	210	130	99	16.1	9.4	27.9	36.2	42.2	33.3
55 to 64 years	375	118	128	68	61	17.3	10.0	26.2	31.6	38.4	34.3
65 years and over	74	17	24	21	12	(¹)	(¹)	38.2	(¹)	27.1	(¹)
Men, 16 years and over	3,597	1,379	1,207	549	462	14.5	8.2	35.1	38.3	31.3	28.1
16 to 19 years	578	333	148	50	47	8.8	4.3	51.6	57.7	14.3	16.7
20 to 24 years	592	270	189	91	42	11.1	6.1	41.6	45.6	24.4	22.5
25 to 34 years	1,063	381	412	138	132	14.3	8.8	32.2	35.9	34.0	25.3
35 to 44 years	701	202	249	122	129	18.2	10.2	28.7	28.9	36.4	35.7
45 to 54 years	377	108	110	93	66	19.3	11.7	22.5	28.6	48.4	42.2
55 to 64 years	246	71	87	47	41	18.5	11.2	23.5	28.8	43.4	35.8
65 years and over	40	13	12	8	7	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	2,781	1,378	864	302	238	10.8	5.1	44.3	49.5	23.8	19.4
16 to 19 years	441	297	111	26	8	6.3	3.7	61.5	67.4	13.6	7.5
20 to 24 years	546	298	154	70	24	8.5	4.6	46.3	54.7	15.7	17.1
25 to 34 years	838	387	280	83	88	11.9	5.8	42.6	46.2	27.3	20.4
35 to 44 years	484	203	168	54	59	13.3	6.8	34.2	42.0	32.7	23.4
45 to 54 years	310	141	100	36	34	12.2	7.0	36.7	45.4	32.2	22.5
55 to 64 years	129	48	41	21	20	15.0	6.8	32.6	36.9	26.8	31.5
65 years and over	34	4	12	13	5	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	4,664	1,976	1,577	643	469	12.5	6.8	39.0	42.4	28.1	23.8
Men	2,719	1,021	933	430	334	14.3	8.1	35.6	37.6	31.4	28.1
Women	1,945	955	643	213	135	9.9	5.2	44.3	49.1	23.0	17.9
Black, 16 years and over	1,483	662	442	172	206	14.2	7.1	38.2	44.7	28.6	25.5
Men	760	301	246	97	116	15.2	8.6	34.3	39.6	29.7	28.0
Women	723	361	197	75	90	13.2	5.0	42.3	49.9	27.5	22.8
Men, 16 years and over:											
Married, spouse present	1,389	418	524	253	194	16.8	10.1	27.5	30.1	40.3	32.2
Widowed, divorced, or separated	527	182	169	93	84	16.6	10.2	31.5	34.5	36.7	33.5
Single (never married)	1,681	779	515	203	184	11.9	6.1	42.0	46.3	22.9	23.0
Women, 16 years and over:											
Married, spouse present	1,072	503	342	123	103	11.5	6.0	42.8	47.0	23.8	21.2
Widowed, divorced, or separated	604	259	199	67	78	13.4	6.6	38.7	42.9	29.0	24.1
Single (never married)	1,106	615	323	111	56	8.8	4.5	48.9	55.6	21.0	15.1

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	
								Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989
MARCH 1989											
OCCUPATION											
Managerial and professional specialty	561	185	213	94	69	13.7	8.3	27.2	33.0	35.7	29.0
Technical, sales, and administrative support	1,409	633	486	151	140	11.9	6.4	40.9	44.9	24.2	20.6
Service occupations	969	492	251	120	106	12.9	4.9	41.5	50.8	27.6	23.4
Precision production, craft, and repair	883	325	285	162	111	15.3	8.7	36.4	36.8	30.9	30.9
Operators, fabricators, and laborers	1,632	615	584	239	194	13.8	8.0	35.2	37.7	31.0	26.5
Farming, forestry, and fishing	258	94	94	47	23	13.0	9.9	32.1	36.6	40.6	27.2
INDUSTRY¹											
Agriculture	189	77	67	34	10	11.1	8.2	32.0	40.9	33.2	23.4
Construction	807	229	315	189	74	14.3	11.1	33.7	28.4	30.1	32.5
Manufacturing	1,142	466	373	155	148	14.0	7.0	32.2	40.8	34.9	26.6
Durable goods	644	250	209	106	79	14.1	7.8	27.4	38.8	38.9	28.8
Nondurable goods	498	215	164	49	69	13.9	6.4	38.7	43.3	29.5	23.8
Transportation and public utilities	314	118	105	42	49	14.6	7.5	36.4	37.5	28.7	29.0
Wholesale and retail trade	1,359	642	439	154	124	11.8	5.7	43.3	47.3	20.5	20.5
Finance and service industries	1,553	689	482	192	190	13.6	6.5	37.2	44.4	32.1	24.5
Public administration	152	47	54	19	33	16.6	9.9	37.7	30.7	31.5	33.9
No previous work experience	636	401	154	32	50	8.7	4.0	51.5	63.0	18.5	12.8

¹ Includes wage and salary workers only.

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

Sex, age, and race	March 1989								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	6,378	5,245	23.7	8.9	73.9	36.6	20.2	4.6	1.68
16 to 19 years	1,018	935	13.2	4.5	82.6	23.6	16.5	2.5	1.43
20 to 24 years	1,138	978	25.5	7.1	75.4	35.1	19.6	2.8	1.65
25 to 34 years	1,901	1,547	26.7	10.7	71.4	41.0	22.1	4.6	1.77
35 to 44 years	1,185	939	26.3	10.0	73.1	42.7	21.3	6.9	1.80
45 to 54 years	687	514	25.5	13.6	68.7	36.0	22.0	7.2	1.73
55 to 64 years	375	274	23.0	5.5	67.9	38.7	16.8	6.2	1.58
65 years and over	74	58	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Men, 16 years and over	3,597	2,822	24.9	8.3	75.4	34.8	21.6	4.9	1.70
16 to 19 years	578	525	13.9	4.4	83.6	19.4	17.0	2.1	1.40
20 to 24 years	592	482	28.6	6.4	77.8	30.9	23.0	2.3	1.69
25 to 34 years	1,063	792	31.3	11.5	72.5	41.4	24.9	3.2	1.85
35 to 44 years	701	544	27.2	9.9	72.4	44.5	24.4	8.6	1.87
45 to 54 years	377	268	20.5	9.3	70.5	29.5	20.1	10.1	1.60
55 to 64 years	246	179	20.7	5.6	77.1	36.3	10.1	6.7	1.56
65 years and over	40	32	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	2,781	2,423	22.2	9.5	72.1	38.8	18.6	4.3	1.66
16 to 19 years	441	410	12.2	4.6	81.2	29.0	15.9	2.9	1.46
20 to 24 years	546	496	22.6	7.7	73.0	39.1	16.3	3.2	1.62
25 to 34 years	838	754	21.9	9.8	70.6	40.6	19.2	6.1	1.68
35 to 44 years	484	395	25.1	10.1	73.9	40.5	17.0	4.3	1.71
45 to 54 years	310	246	30.9	18.3	66.7	43.5	23.6	4.1	1.87
55 to 64 years	129	95	27.4	6.3	50.5	42.1	29.5	5.3	1.61
65 years and over	34	27	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	4,664	3,735	22.6	9.2	73.3	37.9	19.6	5.2	1.68
Men	2,719	2,078	23.8	8.9	74.3	36.3	21.4	5.8	1.70
Women	1,945	1,657	21.0	9.6	72.0	39.8	17.3	4.5	1.64
Black, 16 years and over	1,483	1,303	25.2	7.4	76.5	33.5	21.6	2.8	1.67
Men	760	635	28.7	7.2	79.2	31.2	21.1	1.1	1.69
Women	723	667	21.9	7.6	74.1	35.7	21.9	4.2	1.65

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	March 1989								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	6,378	5,245	23.7	8.9	73.9	36.6	20.2	4.6	1.68
Job losers ¹	3,176	2,181	28.4	9.5	75.4	40.7	22.7	5.4	1.82
Job leavers	850	835	23.2	10.3	71.5	43.4	19.6	2.6	1.71
Reentrants	1,721	1,614	21.1	9.0	70.6	34.4	17.3	5.2	1.58
New entrants	631	615	14.6	4.6	80.8	18.9	19.8	2.8	1.41
Men, 16 years and over	3,597	2,822	24.9	8.3	75.4	34.8	21.6	4.9	1.70
Job losers ¹	2,198	1,479	28.5	8.2	74.6	39.0	23.3	5.9	1.80
Job leavers	425	421	22.8	8.8	75.5	39.7	20.4	.5	1.68
Reentrants	674	627	20.9	9.9	72.6	30.0	21.1	7.2	1.62
New entrants	299	296	19.3	5.1	85.1	16.6	15.9	1.0	1.43
Women, 16 years and over	2,781	2,423	22.2	9.5	72.1	38.8	18.6	4.3	1.66
Job losers ¹	978	702	28.2	12.3	77.1	44.2	21.4	4.4	1.87
Job leavers	424	415	23.6	11.8	67.2	47.0	18.8	4.8	1.73
Reentrants	1,047	987	21.2	8.4	69.2	37.3	15.0	4.1	1.55
New entrants	332	319	10.3	4.1	76.8	21.0	23.5	4.4	1.40

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	
	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989
All industries	112,867	115,844	61,812	63,354	51,055	52,491
16 to 19 years	6,009	6,192	3,005	3,163	3,004	3,029
16 to 17 years	2,364	2,313	1,192	1,176	1,173	1,137
18 to 19 years	3,645	3,879	1,813	1,987	1,831	1,892
20 to 24 years	12,961	12,831	6,736	6,745	6,225	6,086
25 to 54 years	79,365	81,932	43,627	44,890	35,737	37,043
25 to 34 years	33,283	33,748	18,391	18,737	14,892	15,011
35 to 44 years	27,830	29,101	15,118	15,732	12,712	13,370
45 to 54 years	18,251	19,083	10,118	10,421	8,134	8,662
55 to 64 years	11,354	11,490	6,566	6,533	4,787	4,957
55 to 59 years	6,841	6,874	3,959	3,906	2,882	2,968
60 to 64 years	4,513	4,616	2,608	2,627	1,906	1,989
65 years and over	3,178	3,399	1,877	2,022	1,301	1,377
Agriculture	2,902	2,934	2,273	2,299	630	635
16 to 19 years	218	174	163	133	55	41
16 to 17 years	94	71	70	62	24	9
18 to 19 years	124	103	94	71	31	32
20 to 24 years	328	350	262	283	66	67
25 to 54 years	1,697	1,714	1,298	1,316	398	398
25 to 34 years	738	747	583	586	155	161
35 to 44 years	501	561	396	429	106	132
45 to 54 years	458	407	320	302	137	105
55 to 64 years	396	414	316	322	80	92
55 to 59 years	211	205	165	153	46	52
60 to 64 years	185	209	152	170	33	39
65 years and over	263	282	232	244	31	37
Nonagricultural industries	109,964	112,911	59,539	61,055	50,425	51,856
16 to 19 years	5,791	6,018	2,842	3,030	2,949	2,988
16 to 17 years	2,271	2,242	1,122	1,114	1,148	1,128
18 to 19 years	3,520	3,776	1,720	1,916	1,801	1,860
20 to 24 years	12,632	12,481	6,474	6,462	6,159	6,018
25 to 54 years	77,668	80,218	42,329	43,574	35,339	36,645
25 to 34 years	32,545	33,002	17,809	18,152	14,737	14,850
35 to 44 years	27,329	28,541	14,723	15,303	12,607	13,238
45 to 54 years	17,794	18,676	9,798	10,119	7,996	8,557
55 to 64 years	10,958	11,076	6,250	6,211	4,708	4,865
55 to 59 years	6,630	6,669	3,794	3,753	2,836	2,916
60 to 64 years	4,328	4,407	2,456	2,458	1,872	1,949
65 years and over	2,915	3,118	1,645	1,778	1,270	1,340

**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	
	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989
Total	112,867	115,844	61,812	63,354	58,807	60,191	51,055	52,491	48,051	49,462
Managerial and professional specialty	28,928	30,520	16,103	16,718	16,004	16,620	12,825	13,803	12,736	13,697
Executive, administrative, and managerial	13,860	14,804	8,487	8,863	8,442	8,805	5,373	5,941	5,333	5,910
Officials and administrators, public administration	549	600	316	372	317	370	233	227	230	227
Other executive, administrative, and managerial	9,601	10,253	6,322	6,590	6,276	6,540	3,279	3,662	3,248	3,630
Management-related occupations	3,710	3,952	1,849	1,901	1,850	1,895	1,861	2,051	1,855	2,052
Professional specialty	15,068	15,717	7,616	7,855	7,561	7,815	7,452	7,862	7,403	7,788
Engineers	1,806	1,760	1,664	1,641	1,663	1,641	141	119	141	119
Mathematical and computer scientists	738	870	506	570	504	568	232	300	231	300
Natural scientists	386	435	311	330	311	330	75	105	75	105
Health diagnosing occupations	783	862	648	736	648	734	135	126	135	126
Health assessment and treating occupations	2,159	2,289	344	380	343	380	1,815	1,909	1,813	1,907
Teachers, college and university	748	723	471	440	465	435	277	283	274	275
Teachers, except college and university	3,983	4,197	1,110	1,173	1,103	1,172	2,873	3,024	2,848	2,986
Lawyers and judges	771	747	622	591	622	591	149	156	149	156
Other professional specialty occupations	3,695	3,834	1,940	1,993	1,901	1,963	1,755	1,841	1,737	1,813
Technical, sales, and administrative support	35,449	35,402	12,381	12,375	11,793	11,791	23,068	23,027	21,440	21,377
Technicians and related support	3,498	3,633	1,813	1,883	1,793	1,869	1,685	1,751	1,662	1,738
Health technologists and technicians	1,184	1,256	198	196	195	193	985	1,060	975	1,059
Engineering and science technicians	1,169	1,159	901	953	889	948	269	206	262	198
Technicians, except health, engineering, and science	1,145	1,218	714	733	709	729	432	485	425	481
Sales occupations	13,575	13,682	7,025	6,972	6,657	6,581	6,550	6,709	5,630	5,722
Supervisors and proprietors	3,790	3,685	2,571	2,376	2,539	2,354	1,219	1,309	1,191	1,282
Sales representatives, finance and business services	2,322	2,432	1,374	1,372	1,356	1,363	948	1,060	914	1,030
Sales representatives, commodities, except retail	1,573	1,602	1,262	1,272	1,260	1,261	311	330	299	320
Sales workers, retail and personal services	5,825	5,923	1,801	1,941	1,486	1,591	4,024	3,982	3,182	3,066
Sales-related occupations	64	40	16	12	16	12	47	27	43	24
Administrative support, including clerical	18,376	18,087	3,543	3,520	3,343	3,342	14,833	14,567	14,148	13,917
Supervisors	758	714	317	286	317	286	442	427	440	426
Computer equipment operators	883	800	300	268	280	263	583	533	555	500
Secretaries, stenographers, and typists	4,978	4,846	84	87	78	74	4,895	4,759	4,687	4,571
Financial records processing	2,364	2,282	174	194	159	190	2,190	2,088	2,151	2,041
Mail and message distributing	940	1,019	619	667	606	650	321	352	305	328
Other administrative support, including clerical	8,453	8,426	2,049	2,018	1,902	1,879	6,403	6,408	6,011	6,052
Service occupations	14,893	15,403	5,872	6,154	5,066	5,248	9,021	9,249	8,038	8,244
Private household	855	873	34	23	31	19	821	850	679	722
Protective service	1,855	1,933	1,607	1,645	1,577	1,621	248	288	223	278
Service, except private household and protective	12,183	12,597	4,231	4,486	3,458	3,609	7,952	8,111	7,137	7,243
Food service	5,095	5,318	1,986	2,196	1,385	1,520	3,109	3,122	2,532	2,534
Health service	1,970	2,038	217	219	204	199	1,753	1,819	1,674	1,711
Cleaning and building service	2,834	2,883	1,623	1,638	1,497	1,509	1,211	1,245	1,144	1,181
Personal service	2,283	2,358	404	433	372	380	1,879	1,925	1,785	1,818
Precision production, craft, and repair	13,307	13,573	12,142	12,374	11,865	12,071	1,164	1,199	1,128	1,185
Mechanics and repairers	4,511	4,597	4,349	4,418	4,254	4,313	161	179	158	175
Construction trades	4,758	4,843	4,656	4,722	4,547	4,569	102	121	99	120
Other precision production, craft, and repair	4,038	4,133	3,137	3,234	3,065	3,188	901	899	870	890
Operators, fabricators, and laborers	17,278	17,949	12,789	13,221	11,741	12,105	4,489	4,728	4,269	4,514
Machine operators, assemblers, and inspectors	7,996	8,428	4,685	4,971	4,517	4,757	3,311	3,457	3,208	3,347
Manufacturing industries	6,655	6,871	3,884	4,002	3,747	3,852	2,771	2,869	2,705	2,786
Durable goods	3,633	3,779	2,440	2,588	2,369	2,494	1,192	1,191	1,169	1,162
Nondurable goods	3,022	3,092	1,444	1,414	1,378	1,358	1,579	1,678	1,536	1,623
Nonmanufacturing industries	1,341	1,556	801	969	770	905	540	587	503	561
Transportation and material moving occupations	4,673	4,768	4,247	4,305	4,131	4,185	425	463	406	450
Motor vehicle operators	3,449	3,523	3,092	3,111	2,989	3,005	357	412	341	404
Other transportation and material moving occupations	1,224	1,245	1,156	1,194	1,142	1,180	68	51	65	46
Handlers, equipment cleaners, helpers, and laborers	4,610	4,754	3,857	3,945	3,093	3,163	752	809	655	717
Construction laborers	681	707	661	697	605	615	20	9	12	8
Other handlers, equipment cleaners, helpers, and laborers	3,929	4,046	3,196	3,247	2,488	2,548	732	799	643	708
Farming, forestry, and fishing	3,012	2,996	2,525	2,511	2,337	2,355	487	485	440	446
Farm operators and managers	1,243	1,179	1,077	1,031	1,071	1,029	166	148	164	145
Other farming, forestry, and fishing occupations	1,769	1,818	1,448	1,480	1,266	1,326	321	337	276	301

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989
TOTAL						
Total, 16 years and over (thousands)	112,867	115,844	61,812	63,354	51,055	52,491
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	25.6	26.3	26.1	26.4	25.1	26.3
Executive, administrative, and managerial	12.3	12.8	13.7	14.0	10.5	11.3
Professional specialty	13.4	13.6	12.3	12.4	14.6	15.0
Technical, sales, and administrative support	31.4	30.6	20.0	19.5	45.2	43.9
Technicians and related support	3.1	3.1	2.9	3.0	3.3	3.3
Sales occupations	12.0	11.8	11.4	11.0	12.8	12.8
Administrative support, including clerical	16.3	15.6	5.7	5.6	29.1	27.8
Service occupations	13.2	13.3	9.5	9.7	17.7	17.6
Private household .....	.8	.8	.1	(¹)	1.6	1.6
Protective service	1.6	1.7	2.6	2.6	.5	.5
Service, except private household and protective	10.8	10.9	6.8	7.1	15.6	15.5
Precision production, craft, and repair	11.8	11.7	19.6	19.5	2.3	2.3
Operators, fabricators, and laborers	15.3	15.5	20.7	20.9	8.8	9.0
Machine operators, assemblers, and inspectors	7.1	7.3	7.6	7.8	6.5	6.6
Transportation and material moving occupations	4.1	4.1	6.9	6.8	.8	.9
Handlers, equipment cleaners, helpers, and laborers	4.1	4.1	6.2	6.2	1.5	1.5
Farming, forestry, and fishing	2.7	2.6	4.1	4.0	1.0	.9
White						
Total, 16 years and over (thousands)	98,202	100,435	54,429	55,615	43,774	44,820
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	26.6	27.5	27.1	27.6	26.0	27.4
Executive, administrative, and managerial	12.9	13.5	14.4	14.9	11.0	11.8
Professional specialty	13.7	14.0	12.7	12.7	15.0	15.5
Technical, sales, and administrative support	31.8	31.0	20.2	19.8	46.2	44.8
Technicians and related support	3.1	3.1	3.0	3.0	3.2	3.2
Sales occupations	12.6	12.4	12.0	11.6	13.4	13.3
Administrative support, including clerical	16.1	15.5	5.3	5.2	29.6	28.2
Service occupations	12.0	12.1	8.4	8.7	16.4	16.4
Private household .....	.7	.6	(¹)	(¹)	1.4	1.3
Protective service	1.5	1.6	2.4	2.4	.4	.5
Service, except private household and protective	9.8	10.0	6.0	6.3	14.5	14.6
Precision production, craft, and repair	12.3	12.1	20.3	20.1	2.2	2.2
Operators, fabricators, and laborers	14.5	14.6	19.6	19.7	8.1	8.3
Machine operators, assemblers, and inspectors	6.6	6.9	7.3	7.5	5.8	6.0
Transportation and material moving occupations	4.0	4.0	6.5	6.5	.8	.9
Handlers, equipment cleaners, helpers, and laborers	3.8	3.8	5.8	5.7	1.4	1.4
Farming, forestry, and fishing	2.9	2.7	4.3	4.1	1.1	1.0
Black						
Total, 16 years and over (thousands)	11,273	11,761	5,577	5,817	5,696	5,944
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	16.0	15.9	14.2	13.6	17.8	18.2
Executive, administrative, and managerial	6.9	7.1	7.1	6.5	6.7	7.6
Professional specialty	9.1	8.9	7.1	7.1	11.1	10.5
Technical, sales, and administrative support	27.5	27.0	16.4	15.1	38.3	38.6
Technicians and related support	2.9	3.0	2.1	1.9	3.7	4.0
Sales occupations	6.8	7.2	5.0	5.3	8.6	8.9
Administrative support, including clerical	17.8	16.9	9.3	7.9	26.1	25.7
Service occupations	23.4	22.4	18.6	17.7	28.1	26.9
Private household	1.8	2.0	.3	.1	3.3	4.0
Protective service	2.7	2.7	4.5	4.6	.9	.9
Service, except private household and protective	18.9	17.6	13.8	13.1	23.9	22.0
Precision production, craft, and repair	8.7	9.3	15.3	16.6	2.2	2.2
Operators, fabricators, and laborers	23.0	23.6	32.9	33.9	13.2	13.7
Machine operators, assemblers, and inspectors	10.4	10.6	10.3	11.1	10.4	10.1
Transportation and material moving occupations	6.0	5.9	11.2	10.6	1.0	1.3
Handlers, equipment cleaners, helpers, and laborers	6.6	7.2	11.4	12.2	1.8	2.2
Farming, forestry, and fishing	1.4	1.8	2.6	3.1	.3	.5

¹ Less than 0.05 percent.

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

(In thousands)

Age and sex	March 1989								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self-employed workers	Unpaid family workers	Wage and salary workers	Self-employed workers	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	104,143	1,084	17,625	85,434	8,420	347	1,517	1,298	119
16 to 19 years	5,932	154	276	5,502	80	6	145	13	16
16 to 17 years	2,215	92	61	2,063	24	2	61	3	8
18 to 19 years	3,717	62	215	3,439	56	4	84	11	8
20 to 24 years	12,171	109	1,202	10,861	289	21	272	62	16
25 to 34 years	31,000	202	4,362	26,436	1,942	60	480	253	13
35 to 44 years	25,964	169	5,612	20,183	2,473	103	266	261	34
45 to 54 years	16,783	167	3,671	12,945	1,807	86	169	221	17
55 to 64 years	9,794	178	2,071	7,544	1,232	51	118	285	11
55 to 59 years	5,930	97	1,297	4,536	711	29	64	134	7
60 to 64 years	3,864	82	774	3,009	521	22	55	151	4
65 years and over	2,498	105	431	1,963	598	22	68	202	12
Men, 16 years and over	55,599	123	8,266	47,210	5,414	42	1,142	1,109	48
16 to 19 years	2,977	20	103	2,855	48	5	107	13	13
16 to 17 years	1,096	7	23	1,067	16	2	55	2	5
18 to 19 years	1,881	13	80	1,788	32	3	53	11	8
20 to 24 years	6,297	20	558	5,719	161	5	212	60	11
25 to 34 years	16,923	30	1,997	14,896	1,225	4	377	206	2
35 to 44 years	13,688	25	2,584	11,079	1,609	6	199	220	9
45 to 54 years	8,980	10	1,766	7,205	1,132	7	125	172	4
55 to 64 years	5,348	16	1,046	4,286	859	4	74	247	1
55 to 59 years	3,254	8	637	2,608	496	3	41	112	-
60 to 64 years	2,094	8	408	1,678	363	1	34	135	1
65 years and over	1,386	3	213	1,169	382	10	46	191	7
Women, 16 years and over	48,544	961	9,358	38,225	3,006	305	375	189	71
16 to 19 years	2,955	134	173	2,647	32	1	38	-	3
16 to 17 years	1,119	85	38	996	8	1	6	-	3
18 to 19 years	1,836	49	135	1,652	24	1	32	-	-
20 to 24 years	5,874	89	644	5,141	128	16	60	2	5
25 to 34 years	14,078	173	2,365	11,540	717	55	102	48	11
35 to 44 years	12,276	144	3,028	9,104	865	97	66	40	25
45 to 54 years	7,803	158	1,905	5,740	675	78	44	49	13
55 to 64 years	4,446	162	1,025	3,258	373	46	44	38	9
55 to 59 years	2,676	88	660	1,927	215	26	23	22	7
60 to 64 years	1,770	74	366	1,331	159	21	21	16	2
65 years and over	1,112	101	217	794	215	12	21	11	5

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-25. Employed civilians by industry and occupation

(In thousands)

Industry	March 1989												
	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	2,934	81	53	27	21	114		16	55	11	53	18	2,486
Mining	679	120	69	34	10	67		12	195	28	109	34	-
Construction	7,232	991	143	77	71	437		31	4,125	102	459	780	16
Manufacturing	21,569	2,517	1,782	735	697	2,306		327	4,243	6,871	857	1,162	71
Durable goods	12,673	1,484	1,164	512	296	1,226		169	2,977	3,779	419	578	67
Nondurable goods	8,896	1,033	617	223	401	1,079		159	1,266	3,092	437	584	4
Transportation and public utilities	8,049	888	517	300	375	2,179		280	1,250	144	1,654	452	8
Wholesale and retail trade	23,630	2,056	439	108	9,713	2,258		4,421	1,499	327	986	1,799	24
Wholesale trade	4,492	557	77	41	1,798	719		51	278	117	472	374	7
Retail trade	19,138	1,499	362	67	7,916	1,538		4,369	1,221	209	513	1,425	17
Finance, insurance, and real estate	7,968	2,183	184	151	1,864	3,079	-	253	132	29	24	25	43
Services	38,329	4,799	11,740	1,948	905	6,211	873	7,815	1,840	889	563	425	322
Private households	1,089	4	8	8	2	14	873	80	7	-	8	16	68
Other service industries	37,240	4,795	11,732	1,940	902	6,197	-	7,734	1,833	889	555	408	254
Professional services	24,809	2,710	10,406	1,567	134	4,467		4,375	394	236	311	122	87
Public administration	5,456	1,167	789	254	26	1,436		1,376	234	26	64	58	25

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					
	Mar. 1988	Mar. 1989	Total		Wage and salary workers ¹			
			Mar. 1988	Mar. 1989	Paid absences		Unpaid absences	
					Mar. 1988	Mar. 1989	Mar. 1988	Mar. 1989
Total, 16 years and over	4,389	4,779	4,225	4,639	1,860	2,036	1,792	1,997
Vacation	1,710	1,931	1,662	1,901	1,008	1,197	459	514
Illness	1,506	1,481	1,471	1,446	604	603	737	705
Bad weather	150	192	116	156	(²)	(²)	(²)	(²)
Industrial dispute	37	31	37	31	(²)	(²)	(²)	(²)
All other reasons	985	1,143	939	1,104	248	237	596	778
Men, 16 years and over	2,313	2,386	2,194	2,275	997	1,012	832	878
Vacation	925	978	894	961	572	623	217	221
Illness	791	732	762	706	326	297	360	324
All other reasons ³	597	675	538	608	98	91	254	332
Women, 16 years and over	2,076	2,394	2,031	2,364	862	1,026	962	1,118
Vacation	785	954	767	940	435	572	241	291
Illness	715	749	710	740	278	308	377	381
All other reasons ³	575	691	554	684	148	146	343	446

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	March 1989					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	111,065	2,793	108,272	100.0	100.0	100.0
1 to 34 hours	26,259	831	25,430	23.6	29.8	23.5
1 to 4 hours	791	38	754	.7	1.4	.7
5 to 14 hours	4,889	196	4,693	4.4	7.0	4.3
15 to 29 hours	13,395	412	12,983	12.1	14.8	12.0
30 to 34 hours	7,184	185	7,000	6.5	6.6	6.5
35 hours and over	84,804	1,962	82,842	76.4	70.2	76.5
35 to 39 hours	7,611	190	7,421	6.9	6.8	6.9
40 hours	44,053	620	43,432	39.7	22.2	40.1
41 hours and over	33,140	1,152	31,989	29.8	41.2	29.5
41 to 48 hours	11,580	193	11,388	10.4	6.9	10.5
49 to 59 hours	12,663	367	12,296	11.4	13.1	11.4
60 hours and over	8,897	592	8,305	8.0	21.2	7.7
Average hours, total at work	39.3	42.0	39.2			
Average hours, workers on full-time schedules	43.8	48.8	43.7			

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

(Numbers in thousands)

Reason for working less than 35 hours	March 1989					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	26,259	6,669	19,592	25,430	6,362	19,068
Economic reasons	4,784	1,702	3,082	4,572	1,599	2,973
Slack work	2,306	1,428	878	2,148	1,331	817
Material shortages or repairs to plant and equipment	41	41	-	41	41	-
New job started during week	152	152	-	147	147	-
Job terminated during week	80	80	-	79	79	-
Could find only part-time work	2,204	-	2,204	2,155	-	2,155
Other reasons	21,476	4,966	16,510	20,857	4,762	16,095
Does not want, or unavailable for, full-time work	14,026	-	14,026	13,704	-	13,704
Vacation	1,205	1,205	-	1,189	1,189	-
Illness	1,638	1,453	185	1,605	1,428	177
Bad weather	407	407	-	313	313	-
Industrial dispute	3	3	-	3	3	-
Legal or religious holiday	172	172	-	172	172	-
Full time for this job	1,625	-	1,625	1,593	-	1,593
All other reasons	2,400	1,727	673	2,277	1,657	620
Average hours:						
Economic reasons	22.5	24.4	21.4	22.5	24.5	21.5
Other reasons	20.7	25.8	19.2	20.7	25.9	19.2
Worked 30 to 34 hours:						
Economic reasons	1,590	772	818	1,535	734	801
Other reasons	5,594	2,509	3,085	5,465	2,433	3,032

**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	March 1989								
	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	108,272	4,572	16,095	87,605	55,616	11,388	20,601	39.2	43.7
Wage and salary workers	100,068	3,954	14,568	81,546	52,918	10,851	17,777	39.0	43.3
Mining	620	16	20	584	308	75	201	45.2	46.4
Construction	5,579	389	285	4,905	3,357	585	963	40.0	42.6
Manufacturing	20,434	403	713	19,318	12,263	3,122	3,933	42.2	43.4
Durable goods	12,010	169	307	11,534	7,186	1,861	2,487	42.8	43.6
Nondurable goods	8,424	233	405	7,786	5,079	1,261	1,446	41.5	43.1
Transportation and public utilities	7,397	235	526	6,636	4,162	877	1,597	41.9	44.2
Wholesale and retail trade	20,873	1,237	5,353	14,283	8,610	2,147	3,526	36.4	43.8
Finance, insurance, and real estate	7,108	119	729	6,260	4,199	757	1,304	40.2	42.9
Service industries	32,803	1,513	6,636	24,654	16,383	2,820	5,451	37.3	43.2
Private households	1,050	170	496	384	256	38	90	25.6	44.2
All other industries	31,753	1,343	6,140	24,270	16,127	2,782	5,361	37.7	43.2
Public administration	5,255	43	305	4,907	3,636	469	802	40.8	42.3
Self-employed workers	7,856	602	1,389	5,865	2,603	526	2,736	41.1	48.7
Unpaid family workers	347	16	138	193	94	11	88	37.4	49.4

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	March 1989							
	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	108,272	4,572	16,095	87,605	55,616	31,989	39.2	43.7
16 to 19 years	5,803	342	3,703	1,758	1,435	323	23.6	39.6
16 to 17 years	2,158	67	1,877	214	198	16	17.2	35.6
18 to 19 years	3,645	275	1,826	1,544	1,237	307	27.4	40.1
20 years and over	102,469	4,230	12,392	85,847	54,181	31,666	40.1	43.8
20 to 24 years	12,030	726	2,487	8,817	6,212	2,605	36.4	42.2
25 years and over	90,439	3,504	9,904	77,031	47,970	29,061	40.6	43.9
25 to 44 years	59,244	2,362	5,351	51,531	31,666	19,865	41.1	44.0
45 to 64 years	28,287	1,019	3,136	24,132	15,347	8,785	40.5	43.9
65 years and over	2,908	122	1,417	1,369	958	411	29.3	42.7
Men, 16 years and over	58,780	2,117	5,015	51,648	28,890	22,758	42.2	45.3
16 to 19 years	2,935	178	1,789	968	761	207	24.7	40.2
16 to 17 years	1,080	39	907	134	124	10	17.9	34.8
18 to 19 years	1,855	139	882	834	634	200	28.7	41.0
20 years and over	55,845	1,938	3,226	50,681	28,132	22,549	43.1	45.4
20 to 24 years	6,232	373	1,029	4,830	3,118	1,712	38.2	43.4
25 years and over	49,613	1,564	2,197	45,852	25,015	20,837	43.7	45.6
25 to 44 years	32,428	1,101	797	30,530	16,228	14,302	44.4	45.8
45 to 64 years	15,545	398	647	14,500	8,254	6,246	43.6	45.3
65 years and over	1,640	65	753	822	530	292	30.7	43.7
Women, 16 years and over	49,492	2,455	11,080	35,957	26,726	9,231	35.6	41.4
16 to 19 years	2,868	163	1,914	791	676	115	22.4	38.9
16 to 17 years	1,078	27	970	81	74	7	16.4	36.9
18 to 19 years	1,791	136	944	711	603	108	26.0	39.1
20 years and over	46,624	2,292	9,166	35,166	26,051	9,115	36.4	41.5
20 to 24 years	5,798	353	1,458	3,987	3,093	894	34.4	40.8
25 years and over	40,826	1,939	7,707	31,180	22,959	8,221	36.7	41.6
25 to 44 years	26,816	1,261	4,554	21,001	15,438	5,563	37.2	41.5
45 to 64 years	12,742	620	2,489	9,633	7,094	2,539	36.7	41.8
65 years and over	1,268	58	664	546	426	120	27.6	41.2
RACE								
White, 16 years and over	93,766	3,688	14,447	75,631	46,606	29,025	39.3	44.0
Men	51,513	1,718	4,403	45,392	24,610	20,782	42.5	45.6
Women	42,253	1,970	10,044	30,239	21,996	8,243	35.4	41.5
Black, 16 years and over	11,065	748	1,176	9,141	7,079	2,062	38.0	41.7
Men	5,447	338	434	4,675	3,292	1,383	39.7	42.8
Women	5,618	409	742	4,467	3,787	680	36.4	40.4
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	37,778	964	1,547	35,267	18,845	16,422	44.1	45.8
Widowed, divorced, or separated	5,772	303	298	5,171	2,867	2,304	42.8	45.4
Single (never married)	15,230	849	3,171	11,210	7,179	4,031	37.1	43.7
Women, 16 years and over:								
Married, spouse present	27,758	1,283	6,385	20,090	15,202	4,888	35.6	41.2
Widowed, divorced, or separated	9,521	548	1,253	7,720	5,451	2,269	38.2	42.2
Single (never married)	12,213	624	3,441	8,148	6,074	2,074	33.7	41.4

**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	March 1989								
	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	108,230	4,544	16,066	87,620	55,578	11,378	20,664	39.2	43.7
Managerial and professional specialty	29,317	516	2,738	26,063	13,955	3,296	8,812	42.7	45.6
Executive, administrative, and managerial	14,293	186	700	13,407	6,822	1,702	4,883	44.6	46.2
Professional specialty	15,024	331	2,038	12,655	7,133	1,594	3,928	40.9	44.9
Technical, sales, and administrative support	34,034	1,133	6,632	26,269	18,075	3,144	5,050	37.5	42.6
Technicians and related support	3,493	79	401	3,013	2,101	384	528	39.7	42.7
Sales occupations	13,161	579	2,916	9,667	5,119	1,215	3,334	38.8	45.6
Administrative support, including clerical	17,380	475	3,316	13,589	10,855	1,546	1,188	36.1	40.5
Service occupations	14,648	1,218	4,378	9,052	6,586	949	1,518	33.4	42.3
Private household	846	121	409	316	216	27	74	25.7	43.4
Protective service	1,836	42	182	1,612	998	240	374	41.5	44.7
Service, except private household and protective	11,967	1,055	3,788	7,124	5,372	682	1,070	32.7	41.7
Precision production, craft, and repair	13,028	638	522	11,868	7,414	1,818	2,636	41.8	43.8
Operators, fabricators, and laborers	17,203	1,039	1,796	14,368	9,547	2,171	2,649	39.5	43.1
Machine operators, assemblers, and inspectors	8,145	354	409	7,382	5,214	1,159	1,009	40.3	42.1
Transportation and material moving occupations	4,491	267	426	3,798	1,969	557	1,272	42.6	46.5
Handlers, equipment cleaners, helpers, and laborers	4,567	418	961	3,188	2,365	455	368	35.0	41.4
Men, 16 years and over ¹	58,596	2,083	4,941	51,572	28,784	7,260	15,528	42.2	45.3
Managerial and professional specialty	16,166	213	753	15,200	6,926	1,840	6,434	45.8	47.5
Executive, administrative, and managerial	8,580	109	268	8,203	3,597	973	3,633	46.6	47.8
Professional specialty	7,586	105	484	6,997	3,329	867	2,801	44.9	47.2
Technical, sales, and administrative support	11,973	272	1,324	10,377	5,518	1,429	3,431	42.2	45.7
Technicians and related support	1,838	25	105	1,709	1,075	251	383	42.3	44.1
Sales occupations	6,751	160	748	5,843	2,496	739	2,608	44.0	47.9
Administrative support, including clerical	3,383	87	471	2,826	1,947	439	439	38.4	42.3
Service occupations	5,877	328	1,222	4,327	2,888	556	883	37.1	43.7
Private household	22	4	10	9	1	4	3	(²)	(²)
Protective service	1,554	30	104	1,421	857	215	348	43.0	45.2
Service, except private household and protective	4,301	295	1,109	2,898	2,029	337	531	35.0	43.0
Precision production, craft, and repair	11,889	571	403	10,915	6,721	1,724	2,470	42.1	43.9
Operators, fabricators, and laborers	12,691	698	1,239	10,753	6,731	1,711	2,310	40.3	43.8
Machine operators, assemblers, and inspectors	4,852	126	170	4,556	3,008	789	759	41.6	42.8
Transportation and material moving occupations	4,056	221	280	3,555	1,787	535	1,233	43.6	46.9
Handlers, equipment cleaners, helpers, and laborers	3,783	352	789	2,642	1,936	388	318	35.0	41.5
Women, 16 years and over ¹	49,635	2,461	11,125	36,048	26,794	4,117	5,136	35.6	41.4
Managerial and professional specialty	13,151	303	1,986	10,862	7,029	1,456	2,377	38.9	42.9
Executive, administrative, and managerial	5,713	77	432	5,204	3,226	729	1,250	41.8	43.7
Professional specialty	7,438	226	1,554	5,658	3,804	727	1,127	36.7	42.2
Technical, sales, and administrative support	22,062	862	5,308	15,892	12,557	1,715	1,619	35.0	40.6
Technicians and related support	1,655	54	296	1,304	1,026	133	145	36.8	40.8
Sales occupations	6,410	419	2,167	3,824	2,623	476	725	33.4	42.2
Administrative support, including clerical	13,997	389	2,845	10,764	8,908	1,106	749	35.5	40.0
Service occupations	8,771	890	3,156	4,725	3,698	392	635	30.9	41.0
Private household	824	117	399	308	215	22	70	25.7	43.3
Protective service	281	13	78	191	140	25	26	33.2	41.1
Service, except private household and protective	7,666	760	2,679	4,227	3,343	345	539	31.4	40.8
Precision production, craft, and repair	1,138	66	119	953	693	94	166	39.0	42.5
Operators, fabricators, and laborers	4,512	341	556	3,615	2,816	460	339	37.2	40.9
Machine operators, assemblers, and inspectors	3,293	228	239	2,826	2,205	371	250	38.3	40.8
Transportation and material moving occupations	435	46	146	243	182	22	39	33.0	41.9
Handlers, equipment cleaners, helpers, and laborers	784	67	172	546	429	67	50	34.9	41.0

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	1988										1989		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
TOTAL													
Noninstitutional population ¹	185,847	185,964	186,088	186,247	186,402	186,522	186,666	186,801	186,949	187,098	187,340	187,461	187,581
Labor force ¹	122,672	123,060	122,917	123,209	123,331	123,692	123,688	123,778	124,215	124,259	125,124	124,865	124,948
Percent of population ²	66.0	66.2	66.1	66.2	66.2	66.3	66.3	66.3	66.4	66.4	66.8	66.6	66.6
Total employed ¹	115,865	116,392	116,117	116,686	116,707	116,895	117,074	117,260	117,652	117,705	118,407	118,537	118,820
Employment-population ratio ³	62.3	62.6	62.4	62.7	62.6	62.7	62.7	62.8	62.9	62.9	63.2	63.2	63.3
Resident Armed Forces	1,736	1,732	1,714	1,685	1,673	1,692	1,704	1,687	1,705	1,696	1,696	1,684	1,684
Civilian employed	114,129	114,660	114,403	115,001	115,034	115,203	115,370	115,573	115,947	116,009	116,711	116,853	117,136
Agriculture	3,181	3,187	3,110	3,121	3,060	3,142	3,176	3,238	3,238	3,193	3,300	3,223	3,206
Nonagricultural industries	110,948	111,473	111,293	111,880	111,974	112,061	112,194	112,335	112,709	112,816	113,411	113,630	113,930
Unemployed	6,807	6,668	6,800	6,523	6,624	6,797	6,614	6,518	6,563	6,554	6,716	6,328	6,128
Unemployment rate ⁴	5.5	5.4	5.5	5.3	5.4	5.5	5.3	5.3	5.3	5.3	5.4	5.1	4.9
Not in labor force	63,175	62,904	63,171	63,038	63,071	62,830	62,978	63,023	62,734	62,839	62,216	62,596	62,633
Men													
Noninstitutional population ¹	89,168	89,225	89,287	89,367	89,445	89,504	89,577	89,637	89,716	89,792	89,914	89,973	90,032
Labor force ¹	68,194	68,462	68,409	68,436	68,461	68,685	68,604	68,569	68,686	68,638	69,032	69,113	69,190
Percent of population ²	76.5	76.7	76.6	76.6	76.5	76.7	76.6	76.5	76.6	76.4	76.8	76.8	76.9
Total employed ¹	64,417	64,866	64,672	64,894	64,941	64,931	65,015	64,976	65,074	65,055	65,322	65,572	65,920
Employment-population ratio ³	72.2	72.7	72.4	72.6	72.6	72.5	72.6	72.5	72.5	72.5	72.6	72.9	73.2
Resident Armed Forces	1,573	1,569	1,553	1,523	1,512	1,529	1,540	1,526	1,542	1,534	1,532	1,521	1,521
Civilian employed	62,844	63,297	63,119	63,371	63,429	63,402	63,475	63,450	63,532	63,521	63,790	64,051	64,399
Unemployed	3,777	3,596	3,737	3,542	3,520	3,754	3,589	3,593	3,612	3,583	3,710	3,540	3,270
Unemployment rate ⁴	5.5	5.3	5.5	5.2	5.1	5.5	5.2	5.2	5.3	5.2	5.4	5.1	4.7
Not in labor force	20,974	20,763	20,878	20,931	20,984	20,819	20,973	21,068	21,030	21,154	20,882	20,860	20,842
Women													
Noninstitutional population ¹	96,679	96,739	96,801	96,880	96,957	97,018	97,089	97,164	97,234	97,306	97,427	97,488	97,550
Labor force ¹	54,478	54,598	54,508	54,773	54,870	55,007	55,084	55,209	55,529	55,621	56,091	55,752	55,758
Percent of population ²	56.3	56.4	56.3	56.5	56.6	56.7	56.7	56.8	57.1	57.2	57.6	57.2	57.2
Total employed ¹	51,448	51,526	51,445	51,792	51,766	51,964	52,059	52,284	52,578	52,650	53,085	52,965	52,900
Employment-population ratio ³	53.2	53.3	53.1	53.5	53.4	53.6	53.6	53.8	54.1	54.1	54.5	54.3	54.2
Resident Armed Forces	163	163	161	162	161	163	164	161	163	162	164	163	163
Civilian employed	51,285	51,363	51,284	51,630	51,605	51,801	51,895	52,123	52,415	52,488	52,921	52,802	52,737
Unemployed	3,030	3,072	3,063	2,981	3,104	3,043	3,025	2,925	2,951	2,971	3,006	2,787	2,858
Unemployment rate ⁴	5.6	5.6	5.6	5.4	5.7	5.5	5.5	5.3	5.3	5.3	5.4	5.0	5.1
Not in labor force	42,201	42,141	42,293	42,107	42,087	42,011	42,005	41,955	41,705	41,685	41,336	41,736	41,792

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	1988										1989		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
TOTAL													
Civilian noninstitutional population ¹	184,111	184,232	184,374	184,562	184,729	184,830	184,962	185,114	185,244	185,402	185,644	185,777	185,897
Civilian labor force	120,936	121,328	121,203	121,524	121,658	122,000	121,984	122,091	122,510	122,563	123,428	123,181	123,264
Percent of population	65.7	65.9	65.7	65.8	65.9	66.0	66.0	66.0	66.1	66.1	66.5	66.3	66.3
Employed	114,129	114,660	114,403	115,001	115,034	115,203	115,370	115,573	115,947	116,009	116,711	116,853	117,136
Employment-population ratio ²	62.0	62.2	62.0	62.3	62.3	62.3	62.4	62.4	62.6	62.6	62.9	62.9	63.0
Unemployed	6,807	6,668	6,800	6,523	6,624	6,797	6,614	6,518	6,563	6,554	6,716	6,328	6,128
Unemployment rate	5.6	5.5	5.6	5.4	5.4	5.6	5.4	5.3	5.4	5.3	5.4	5.1	5.0
Men, 20 years and over													
Civilian noninstitutional population ¹	80,260	80,326	80,402	80,526	80,608	80,669	80,751	80,851	80,924	81,001	81,162	81,256	81,333
Civilian labor force	62,532	62,774	62,721	62,669	62,729	62,916	62,884	62,915	62,995	63,002	63,358	63,490	63,557
Percent of population	77.9	78.1	78.0	77.8	77.8	78.0	77.9	77.8	77.8	77.8	78.1	78.1	78.1
Employed	59,468	59,833	59,656	59,780	59,897	59,839	59,979	60,004	59,999	60,049	60,420	60,636	60,869
Employment-population ratio ²	74.1	74.5	74.2	74.2	74.3	74.2	74.3	74.2	74.1	74.1	74.4	74.6	74.8
Agriculture	2,258	2,259	2,238	2,231	2,252	2,273	2,249	2,315	2,313	2,292	2,277	2,320	2,317
Nonagricultural industries	57,210	57,574	57,418	57,549	57,645	57,566	57,730	57,689	57,686	57,757	58,143	58,316	58,552
Unemployed	3,064	2,941	3,065	2,889	2,832	3,077	2,905	2,911	2,996	2,953	2,938	2,853	2,688
Unemployment rate	4.9	4.7	4.9	4.6	4.5	4.9	4.6	4.6	4.8	4.7	4.6	4.5	4.2
Not in labor force	17,728	17,552	17,681	17,857	17,879	17,753	17,867	17,936	17,929	17,999	17,804	17,766	17,776
Women, 20 years and over													
Civilian noninstitutional population ¹	89,261	89,307	89,382	89,502	89,588	89,670	89,735	89,807	89,887	89,954	90,072	90,153	90,242
Civilian labor force	50,510	50,591	50,532	50,690	50,807	50,959	50,991	51,201	51,558	51,587	51,998	51,821	51,851
Percent of population	56.6	56.6	56.5	56.6	56.7	56.8	56.8	57.0	57.4	57.3	57.7	57.5	57.5
Employed	48,060	48,120	48,040	48,205	48,242	48,492	48,535	48,788	49,113	49,165	49,543	49,514	49,484
Employment-population ratio ²	53.8	53.9	53.7	53.9	53.8	54.1	54.1	54.3	54.6	54.7	55.0	54.9	54.8
Agriculture	641	653	604	626	549	609	638	640	640	646	715	666	664
Nonagricultural industries	47,419	47,467	47,436	47,579	47,693	47,883	47,897	48,148	48,473	48,519	48,827	48,849	48,819
Unemployed	2,450	2,471	2,492	2,485	2,565	2,467	2,456	2,413	2,445	2,422	2,455	2,306	2,367
Unemployment rate	4.9	4.9	4.9	4.9	5.0	4.8	4.8	4.7	4.7	4.7	4.7	4.5	4.6
Not in labor force	38,751	38,716	38,850	38,812	38,781	38,711	38,744	38,606	38,329	38,367	38,074	38,332	38,391
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	14,591	14,598	14,590	14,534	14,533	14,491	14,477	14,456	14,433	14,447	14,410	14,367	14,323
Civilian labor force	7,894	7,963	7,950	8,165	8,122	8,125	8,109	7,975	7,957	7,974	8,071	7,871	7,856
Percent of population	54.1	54.5	54.5	56.2	55.9	56.1	56.0	55.2	55.1	55.2	56.0	54.8	54.9
Employed	6,601	6,707	6,707	7,016	6,895	6,872	6,856	6,781	6,835	6,795	6,748	6,703	6,783
Employment-population ratio ²	45.2	45.9	46.0	48.3	47.4	47.4	47.4	46.9	47.4	47.0	46.8	46.7	47.4
Agriculture	282	275	268	264	259	260	289	283	285	255	307	237	224
Nonagricultural industries	6,319	6,432	6,439	6,752	6,636	6,612	6,567	6,498	6,550	6,540	6,441	6,466	6,559
Unemployed	1,293	1,256	1,243	1,149	1,227	1,253	1,253	1,194	1,122	1,179	1,323	1,168	1,073
Unemployment rate	16.4	15.8	15.6	14.1	15.1	15.4	15.5	15.0	14.1	14.8	16.4	14.8	13.7
Not in labor force	6,697	6,635	6,640	6,369	6,411	6,366	6,368	6,481	6,476	6,473	6,339	6,496	6,467

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	1988										1989		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
WHITE													
Civilian noninstitutional population ¹	157,868	157,943	158,034	158,166	158,279	158,340	158,422	158,524	158,603	158,705	158,865	158,947	159,020
Civilian labor force	104,172	104,517	104,433	104,716	104,651	105,013	105,036	105,051	105,395	105,411	106,106	105,798	105,988
Percent of population	66.0	66.2	66.1	66.2	66.1	66.3	66.3	66.3	66.5	66.4	66.8	66.6	66.7
Employed	99,252	99,663	99,508	99,902	99,761	99,907	100,058	100,199	100,543	100,567	101,183	101,278	101,554
Employment-population ratio ²	62.9	63.1	63.0	63.2	63.0	63.1	63.2	63.2	63.4	63.4	63.7	63.7	63.9
Unemployed	4,920	4,854	4,925	4,814	4,890	5,106	4,978	4,852	4,852	4,844	4,923	4,521	4,434
Unemployment rate	4.7	4.6	4.7	4.6	4.7	4.9	4.7	4.6	4.6	4.6	4.6	4.3	4.2
Men, 20 years and over													
Civilian labor force	54,541	54,653	54,722	54,658	54,712	54,864	54,839	54,861	54,922	54,898	55,213	55,308	55,382
Percent of population	78.3	78.4	78.4	78.2	78.2	78.4	78.3	78.3	78.3	78.2	78.5	78.6	78.6
Employed	52,266	52,478	52,443	52,475	52,557	52,487	52,579	52,612	52,624	52,636	53,007	53,197	53,387
Employment-population ratio ²	75.0	75.3	75.2	75.1	75.2	75.0	75.1	75.1	75.0	75.0	75.4	75.6	75.8
Unemployed	2,275	2,175	2,279	2,183	2,155	2,377	2,260	2,249	2,298	2,262	2,205	2,111	1,995
Unemployment rate	4.2	4.0	4.2	4.0	3.9	4.3	4.1	4.1	4.2	4.1	4.0	3.8	3.6
Women, 20 years and over													
Civilian labor force	42,767	42,955	42,868	42,955	42,958	43,149	43,191	43,298	43,625	43,644	43,936	43,770	43,780
Percent of population	56.1	56.3	56.1	56.2	56.2	56.4	56.4	56.5	56.9	56.9	57.2	56.9	56.9
Employed	41,089	41,233	41,124	41,201	41,124	41,378	41,413	41,583	41,889	41,930	42,201	42,177	42,115
Employment-population ratio ²	53.9	54.0	53.8	53.9	53.8	54.1	54.1	54.2	54.6	54.6	54.9	54.8	54.7
Unemployed	1,678	1,722	1,744	1,754	1,834	1,771	1,778	1,715	1,736	1,714	1,734	1,593	1,665
Unemployment rate	3.9	4.0	4.1	4.1	4.3	4.1	4.1	4.0	4.0	3.9	3.9	3.6	3.8
Both sexes, 16 to 19 years													
Civilian labor force	6,864	6,909	6,843	7,103	6,981	7,000	7,006	6,892	6,848	6,869	6,958	6,720	6,826
Percent of population	57.7	58.1	57.6	59.8	58.9	59.2	59.4	58.5	58.3	58.6	59.6	57.7	58.7
Employed	5,897	5,952	5,941	6,226	6,080	6,042	6,066	6,004	6,030	6,001	5,975	5,904	6,052
Employment-population ratio ²	49.6	50.1	50.0	52.5	51.3	51.1	51.4	51.0	51.3	51.2	51.1	50.7	52.1
Unemployed	967	957	902	877	901	958	940	888	818	868	983	816	774
Unemployment rate	14.1	13.9	13.2	12.3	12.9	13.7	13.4	12.9	11.9	12.6	14.1	12.1	11.3
Men	15.5	14.4	14.0	13.2	14.3	13.9	14.5	14.4	12.6	13.4	16.4	14.0	12.3
Women	12.6	13.3	12.3	11.4	11.4	13.5	12.3	11.3	11.3	11.8	11.7	10.2	10.2
BLACK													
Civilian noninstitutional population ¹	20,596	20,622	20,650	20,683	20,715	20,736	20,762	20,786	20,811	20,842	20,877	20,905	20,930
Civilian labor force	13,100	13,101	13,102	13,066	13,283	13,236	13,201	13,290	13,330	13,405	13,477	13,476	13,425
Percent of population	63.6	63.5	63.4	63.2	64.1	63.8	63.6	63.9	64.1	64.3	64.6	64.5	64.1
Employed	11,461	11,534	11,514	11,543	11,761	11,733	11,758	11,807	11,831	11,856	11,860	11,873	11,961
Employment-population ratio ²	55.6	55.9	55.8	55.8	56.8	56.6	56.6	56.8	56.8	56.9	56.8	56.8	57.1
Unemployed	1,639	1,567	1,588	1,523	1,522	1,503	1,443	1,483	1,499	1,549	1,617	1,603	1,464
Unemployment rate	12.5	12.0	12.1	11.7	11.5	11.4	10.9	11.2	11.2	11.6	12.0	11.9	10.9
Men, 20 years and over													
Civilian labor force	6,119	6,151	6,107	6,084	6,080	6,131	6,117	6,157	6,146	6,179	6,226	6,199	6,230
Percent of population	74.9	75.2	74.5	74.1	73.9	74.5	74.2	74.6	74.3	74.6	75.0	74.6	74.8
Employed	5,444	5,510	5,469	5,480	5,495	5,539	5,563	5,566	5,545	5,561	5,576	5,549	5,620
Employment-population ratio ²	66.6	67.3	66.7	66.7	66.8	67.3	67.5	67.4	67.1	67.1	67.2	66.7	67.5
Unemployed	675	641	638	604	585	592	554	591	601	618	650	650	611
Unemployment rate	11.0	10.4	10.4	9.9	9.6	9.7	9.1	9.6	9.8	10.0	10.4	10.5	9.8
Women, 20 years and over													
Civilian labor force	6,141	6,112	6,099	6,097	6,286	6,188	6,174	6,234	6,280	6,316	6,369	6,349	6,315
Percent of population	59.9	59.6	59.4	59.3	61.0	60.0	59.8	60.2	60.6	60.9	61.2	61.0	60.5
Employed	5,478	5,444	5,453	5,449	5,640	5,571	5,575	5,620	5,663	5,654	5,706	5,697	5,739
Employment-population ratio ²	53.5	53.1	53.1	53.0	54.7	54.0	54.0	54.3	54.6	54.5	54.9	54.7	55.0
Unemployed	663	668	646	648	646	617	599	614	617	662	663	651	576
Unemployment rate	10.8	10.9	10.6	10.6	10.3	10.0	9.7	9.8	9.8	10.5	10.4	10.3	9.1

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	1988										1989		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	840	838	896	885	917	917	910	899	904	910	881	928	880
Percent of population	38.6	38.5	41.1	40.6	42.0	42.0	41.7	41.2	41.5	41.7	40.5	42.7	40.5
Employed	539	580	592	614	626	623	620	621	623	641	577	627	602
Employment-population ratio ²	24.7	26.6	27.2	28.1	28.7	28.5	28.4	28.5	28.6	29.4	26.5	28.8	27.7
Unemployed	301	258	304	271	291	294	290	278	281	269	304	301	278
Unemployment rate	35.8	30.8	33.9	30.6	31.7	32.1	31.9	30.9	31.1	29.6	34.5	32.4	31.6
Men	37.8	27.9	33.2	31.5	31.2	32.1	31.9	32.8	32.1	29.8	36.7	33.1	28.6
Women	33.9	33.9	34.8	29.6	32.4	32.0	31.9	28.6	29.9	29.3	32.0	31.6	34.8
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	13,192	13,230	13,268	13,306	13,344	13,381	13,419	13,458	13,495	13,533	13,564	13,606	13,649
Civilian labor force	8,818	8,823	8,910	9,009	8,997	8,963	9,061	9,075	9,148	9,133	9,205	9,219	9,210
Percent of population	66.8	66.7	67.2	67.7	67.4	67.0	67.5	67.4	67.8	67.5	67.9	67.8	67.5
Employed	8,088	8,030	8,128	8,222	8,265	8,214	8,378	8,368	8,419	8,441	8,434	8,596	8,607
Employment-population ratio ²	61.3	60.7	61.3	61.8	61.9	61.4	62.4	62.2	62.4	62.4	62.2	63.2	63.1
Unemployed	730	793	782	787	732	749	683	707	729	692	771	624	603
Unemployment rate	8.3	9.0	8.8	8.7	8.1	8.4	7.5	7.8	8.0	7.6	8.4	6.8	6.5

¹ The population figures are not adjusted for seasonal variation. 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.

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

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

(In thousands)

Category	1988										1989		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
CHARACTERISTIC													
Total	114,129	114,660	114,403	115,001	115,034	115,203	115,370	115,573	115,947	116,009	116,711	116,853	117,136
Married men, spouse present	40,486	40,494	40,317	40,493	40,518	40,511	40,513	40,504	40,407	40,483	40,925	40,928	41,083
Married women, spouse present	28,713	28,772	28,632	28,678	28,669	28,809	28,836	28,890	28,995	29,053	29,589	29,412	29,569
Women who maintain families	6,158	6,091	6,000	6,130	6,170	6,280	6,253	6,344	6,375	6,399	6,416	6,385	6,256
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,610	1,632	1,574	1,583	1,572	1,607	1,612	1,661	1,672	1,698	1,684	1,645	1,656
Self-employed workers	1,416	1,390	1,365	1,375	1,362	1,411	1,421	1,405	1,450	1,349	1,387	1,419	1,403
Unpaid family workers	146	152	155	161	149	158	137	177	125	149	189	150	138
Nonagricultural industries:													
Wage and salary workers	102,339	102,562	102,145	102,953	103,189	103,207	103,501	103,733	103,770	103,904	104,510	104,797	104,982
Government	16,952	17,012	16,946	17,049	17,031	17,111	17,145	17,240	17,387	17,423	17,393	17,311	17,382
Private industries	85,387	85,550	85,199	85,904	86,158	86,096	86,356	86,493	86,383	86,481	87,117	87,486	87,600
Private households	1,167	1,114	1,152	1,146	1,132	1,128	1,119	1,152	1,209	1,210	1,196	1,135	1,163
Other industries	84,220	84,436	84,047	84,758	85,026	84,968	85,237	85,341	85,174	85,271	85,921	86,350	86,437
Self-employed workers	8,395	8,567	8,816	8,536	8,531	8,508	8,570	8,479	8,619	8,602	8,718	8,517	8,645
Unpaid family workers	250	272	301	297	251	241	230	232	300	266	298	285	332
PERSONS AT WORK PART TIME¹													
All industries:													
Part time for economic reasons	5,331	5,212	4,878	5,302	5,341	5,192	5,097	4,963	5,061	5,321	5,097	4,981	4,968
Slack work	2,448	2,264	2,267	2,346	2,471	2,315	2,266	2,220	2,279	2,549	2,302	2,303	2,232
Could only find part-time work	2,548	2,519	2,353	2,586	2,538	2,473	2,389	2,399	2,375	2,410	2,352	2,333	2,393
Voluntary part time	14,654	14,949	14,813	14,612	15,026	14,999	15,270	15,161	15,446	15,363	15,401	15,126	15,561
Nonagricultural industries:													
Part time for economic reasons	5,087	4,953	4,676	5,073	5,102	4,972	4,862	4,727	4,819	5,033	4,837	4,697	4,709
Slack work	2,265	2,131	2,136	2,183	2,334	2,171	2,102	2,095	2,116	2,377	2,144	2,105	2,048
Could only find part-time work	2,482	2,426	2,276	2,504	2,493	2,408	2,317	2,319	2,288	2,307	2,283	2,272	2,317
Voluntary part time	14,203	14,441	14,376	14,180	14,606	14,564	14,819	14,679	14,986	14,928	14,970	14,688	15,127

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	1988										1989		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total, 16 years and over	114,129	114,660	114,403	115,001	115,034	115,203	115,370	115,573	115,947	116,009	116,711	116,853	117,136
16 to 24 years	19,948	20,029	19,864	20,338	20,137	20,123	20,050	19,930	19,877	19,852	19,741	19,797	19,996
16 to 19 years	6,601	6,707	6,707	7,016	6,895	6,872	6,856	6,781	6,835	6,795	6,748	6,703	6,783
16 to 17 years	2,685	2,703	2,674	2,797	2,700	2,671	2,669	2,689	2,770	2,686	2,602	2,563	2,639
18 to 19 years	3,944	4,004	4,034	4,203	4,182	4,148	4,195	4,090	4,045	4,150	4,125	4,163	4,186
20 to 24 years	13,347	13,322	13,157	13,322	13,242	13,251	13,194	13,149	13,042	13,057	12,993	13,095	13,213
25 years and over	94,198	94,591	94,450	94,683	94,979	95,145	95,332	95,619	96,062	96,151	96,988	97,020	97,125
25 to 54 years	79,583	79,898	79,953	80,111	80,456	80,608	80,697	80,950	81,242	81,399	82,036	82,160	82,165
55 years and over	14,580	14,673	14,499	14,556	14,514	14,583	14,664	14,690	14,790	14,771	14,924	14,803	14,933
Men, 16 years and over	62,844	63,297	63,119	63,371	63,429	63,402	63,475	63,450	63,532	63,521	63,790	64,051	64,399
16 to 24 years	10,364	10,438	10,385	10,550	10,441	10,475	10,401	10,303	10,379	10,288	10,198	10,377	10,530
16 to 19 years	3,376	3,464	3,463	3,591	3,532	3,563	3,496	3,446	3,533	3,472	3,370	3,415	3,530
16 to 17 years	1,391	1,403	1,383	1,415	1,392	1,395	1,397	1,404	1,433	1,385	1,270	1,298	1,377
18 to 19 years	2,001	2,059	2,080	2,171	2,133	2,126	2,106	2,040	2,105	2,135	2,088	2,134	2,179
20 to 24 years	6,988	6,974	6,922	6,959	6,909	6,912	6,905	6,857	6,846	6,816	6,828	6,962	7,000
25 years and over	52,504	52,831	52,709	52,818	53,016	52,983	53,072	53,136	53,152	53,227	53,573	53,659	53,897
25 to 54 years	43,999	44,278	44,202	44,287	44,509	44,471	44,577	44,669	44,712	44,779	45,001	45,091	45,278
55 years and over	8,492	8,532	8,490	8,529	8,524	8,514	8,502	8,482	8,436	8,470	8,563	8,536	8,603
Women, 16 years and over	51,285	51,363	51,284	51,630	51,605	51,801	51,895	52,123	52,415	52,488	52,921	52,802	52,737
16 to 24 years	9,584	9,591	9,479	9,788	9,696	9,648	9,649	9,627	9,498	9,564	9,543	9,420	9,466
16 to 19 years	3,225	3,243	3,244	3,425	3,363	3,309	3,360	3,335	3,302	3,323	3,378	3,287	3,253
16 to 17 years	1,294	1,300	1,291	1,382	1,308	1,276	1,272	1,285	1,337	1,301	1,332	1,265	1,262
18 to 19 years	1,943	1,945	1,954	2,032	2,049	2,022	2,089	2,050	1,940	2,015	2,037	2,029	2,007
20 to 24 years	6,359	6,348	6,235	6,363	6,333	6,339	6,289	6,292	6,196	6,241	6,165	6,133	6,213
25 years and over	41,694	41,760	41,741	41,865	41,963	42,162	42,260	42,483	42,910	42,924	43,415	43,361	43,228
25 to 54 years	35,584	35,620	35,751	35,824	35,947	36,137	36,120	36,281	36,530	36,620	37,035	37,069	36,886
55 years and over	6,088	6,141	6,009	6,027	5,990	6,069	6,162	6,208	6,354	6,301	6,361	6,267	6,331

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

(In thousands)

Sex and age	1988										1989		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total, 16 years and over	6,807	6,668	6,800	6,523	6,624	6,797	6,614	6,518	6,563	6,554	6,716	6,328	6,128
16 to 24 years	2,612	2,518	2,513	2,394	2,465	2,476	2,457	2,429	2,363	2,421	2,663	2,316	2,182
16 to 19 years	1,293	1,256	1,243	1,149	1,227	1,253	1,253	1,194	1,122	1,179	1,323	1,168	1,073
16 to 17 years	578	580	536	527	571	605	650	559	520	535	581	572	477
18 to 19 years	714	658	700	642	628	660	615	629	599	637	751	605	597
20 to 24 years	1,319	1,262	1,270	1,245	1,238	1,223	1,204	1,235	1,241	1,242	1,340	1,148	1,109
25 years and over	4,171	4,144	4,253	4,146	4,143	4,334	4,179	4,061	4,193	4,125	4,101	4,026	3,921
25 to 54 years	3,742	3,696	3,765	3,675	3,702	3,828	3,733	3,651	3,739	3,687	3,632	3,559	3,542
55 years and over	443	460	498	450	457	475	436	419	433	457	474	466	396
Men, 16 years and over	3,777	3,596	3,737	3,542	3,520	3,754	3,589	3,593	3,612	3,583	3,710	3,540	3,270
16 to 24 years	1,403	1,321	1,352	1,302	1,331	1,351	1,329	1,376	1,274	1,280	1,494	1,302	1,128
16 to 19 years	713	655	672	653	688	677	684	682	616	630	772	687	582
16 to 17 years	318	300	291	301	307	301	367	318	300	290	330	317	258
18 to 19 years	399	355	377	363	359	362	329	360	314	333	455	379	330
20 to 24 years	690	666	680	649	643	674	645	694	658	650	722	615	546
25 years and over	2,367	2,270	2,348	2,259	2,191	2,417	2,270	2,195	2,331	2,296	2,245	2,246	2,136
25 to 54 years	2,071	1,994	2,051	1,961	1,936	2,088	2,014	1,946	2,050	1,999	1,986	1,943	1,890
55 years and over	296	281	304	278	278	298	255	266	275	286	269	303	246
Women, 16 years and over	3,030	3,072	3,063	2,981	3,104	3,043	3,025	2,925	2,951	2,971	3,006	2,787	2,858
16 to 24 years	1,209	1,197	1,161	1,092	1,134	1,125	1,128	1,053	1,089	1,141	1,169	1,014	1,054
16 to 19 years	580	601	571	496	539	576	569	512	506	549	551	481	491
16 to 17 years	260	280	245	226	264	304	283	241	220	245	251	255	219
18 to 19 years	315	303	323	279	269	298	286	269	285	304	296	226	267
20 to 24 years	629	596	590	596	595	549	559	541	583	592	618	533	563
25 years and over	1,804	1,874	1,905	1,887	1,952	1,917	1,909	1,866	1,862	1,829	1,856	1,780	1,784
25 to 54 years	1,671	1,702	1,714	1,714	1,766	1,740	1,719	1,705	1,689	1,688	1,646	1,616	1,652
55 years and over	147	179	194	172	179	177	181	153	158	171	205	164	151

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Civilian workers)

Sex and age	1988										1989		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total, 16 years and over	5.6	5.5	5.6	5.4	5.4	5.6	5.4	5.3	5.4	5.3	5.4	5.1	5.0
16 to 24 years	11.6	11.2	11.2	10.5	10.9	11.0	10.9	10.9	10.6	10.9	11.9	10.5	9.8
16 to 19 years	16.4	15.8	15.6	14.1	15.1	15.4	15.5	15.0	14.1	14.8	16.4	14.8	13.7
16 to 17 years	17.7	17.7	16.7	15.9	17.5	18.5	19.6	17.2	15.8	16.6	18.3	18.2	15.3
18 to 19 years	15.3	14.1	14.8	13.3	13.1	13.7	12.8	13.3	12.9	13.3	15.4	12.7	12.5
20 to 24 years	9.0	8.7	8.8	8.5	8.5	8.4	8.4	8.6	8.7	8.7	9.3	8.1	7.7
25 years and over	4.2	4.2	4.3	4.2	4.2	4.4	4.2	4.1	4.2	4.1	4.1	4.0	3.9
25 to 54 years	4.5	4.4	4.5	4.4	4.4	4.5	4.4	4.3	4.4	4.3	4.2	4.2	4.1
55 years and over	2.9	3.0	3.3	3.0	3.1	3.2	2.9	2.8	2.8	3.0	3.1	3.1	2.6
Men, 16 years and over	5.7	5.4	5.6	5.3	5.3	5.6	5.4	5.4	5.4	5.3	5.5	5.2	4.8
16 to 24 years	11.9	11.2	11.5	11.0	11.3	11.4	11.3	11.8	10.9	11.1	12.8	11.1	9.7
16 to 19 years	17.4	15.9	16.3	15.4	16.3	16.0	16.4	16.5	14.8	15.4	18.6	16.7	14.2
16 to 17 years	18.6	17.6	17.4	17.5	18.1	17.7	20.8	18.5	17.3	17.3	20.6	19.6	15.8
18 to 19 years	18.8	14.7	15.3	14.3	14.4	14.5	13.5	15.0	13.0	13.5	17.9	15.1	13.2
20 to 24 years	9.0	8.7	8.9	8.5	8.5	8.9	8.5	9.2	8.8	8.7	9.6	8.1	7.2
25 years and over	4.3	4.1	4.3	4.1	4.0	4.4	4.1	4.0	4.2	4.1	4.0	4.0	3.8
25 to 54 years	4.5	4.3	4.4	4.2	4.2	4.5	4.3	4.2	4.4	4.3	4.2	4.1	4.0
55 years and over	3.4	3.2	3.5	3.2	3.2	3.4	2.9	3.0	3.2	3.3	3.0	3.4	2.8
Women, 18 years and over	5.6	5.6	5.6	5.5	5.7	5.5	5.5	5.3	5.3	5.4	5.4	5.0	5.1
16 to 24 years	11.2	11.1	10.9	10.0	10.5	10.4	10.5	9.9	10.3	10.7	10.9	9.7	10.0
16 to 19 years	15.2	15.6	15.0	12.6	13.8	14.8	14.5	13.3	13.3	14.2	14.0	12.8	13.1
16 to 17 years	16.7	17.7	16.0	14.1	16.8	19.2	18.2	15.8	14.1	15.8	15.9	16.8	14.8
18 to 19 years	14.0	13.5	14.2	12.1	11.6	12.8	12.0	11.6	12.8	13.1	12.7	10.0	11.7
20 to 24 years	9.0	8.6	8.6	8.6	8.6	8.0	8.2	7.9	8.6	8.7	9.1	8.0	8.3
25 years and over	4.1	4.3	4.4	4.3	4.4	4.3	4.3	4.2	4.2	4.1	4.1	3.9	4.0
25 to 54 years	4.5	4.6	4.6	4.6	4.7	4.6	4.5	4.5	4.4	4.4	4.3	4.2	4.3
55 years and over	2.4	2.8	3.1	2.8	2.9	2.8	2.9	2.4	2.4	2.6	3.1	2.5	2.3

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1988										1989		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
CHARACTERISTIC													
Total (all civilian workers)	5.6	5.5	5.6	5.4	5.4	5.6	5.4	5.3	5.4	5.3	5.4	5.1	5.0
Men, 20 years and over	4.9	4.7	4.9	4.6	4.5	4.9	4.6	4.6	4.6	4.8	4.7	4.6	4.5
Women, 20 years and over	4.9	4.9	4.9	4.9	5.0	4.6	4.8	4.7	4.7	4.7	4.7	4.5	4.6
Both sexes, 16 to 19 years	16.4	15.8	15.6	14.1	15.1	15.4	15.5	15.0	14.1	14.6	16.4	14.6	13.7
White	4.7	4.6	4.7	4.6	4.7	4.9	4.7	4.6	4.6	4.6	4.6	4.3	4.2
Black and other	11.3	10.6	10.9	10.3	10.1	10.0	9.5	9.8	10.0	10.0	10.6	10.6	9.8
Black	12.5	12.0	12.1	11.7	11.5	11.4	10.9	11.2	11.2	11.6	12.0	11.9	10.9
Hispanic origin	8.3	9.0	6.8	8.7	8.1	8.4	7.5	7.8	8.0	7.6	8.4	6.8	6.5
Married men, spouse present	3.4	3.1	3.3	3.2	3.1	3.4	3.1	3.1	3.3	3.1	3.1	3.1	2.9
Married women, spouse present	4.0	3.8	3.9	4.0	4.0	3.6	3.7	3.8	3.7	3.8	3.7	3.4	3.5
Women who maintain families	7.5	8.5	8.4	7.9	8.5	7.5	8.1	7.9	7.7	8.2	8.0	6.0	7.9
Full-time workers	5.3	5.1	5.2	5.0	5.0	5.3	5.1	5.0	5.0	5.1	5.0	4.8	4.8
Part-time workers	7.8	7.5	7.7	7.7	8.0	7.4	7.4	7.4	7.1	7.0	7.9	7.3	6.2
Unemployed 15 weeks and over ¹	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1
Labor force time lost ²	6.5	6.2	6.4	6.3	6.4	6.4	6.3	6.1	6.2	6.3	6.2	5.9	5.8
INDUSTRY													
Nonagricultural private wage and salary workers	5.6	5.4	5.6	5.4	5.4	5.6	5.4	5.4	5.5	5.4	5.6	5.1	5.0
Goods-producing industries	6.5	6.5	6.5	6.2	6.3	6.7	6.4	6.4	6.4	6.4	6.4	6.1	5.6
Mining	8.2	6.1	9.4	6.8	5.4	7.0	8.6	8.8	8.9	7.7	6.1	8.0	7.0
Construction	10.6	10.6	10.5	10.3	10.4	10.7	9.6	10.0	10.6	10.4	10.4	10.0	9.4
Manufacturing	5.2	5.3	5.3	4.9	5.2	5.5	5.4	5.3	5.1	5.2	5.3	4.9	4.8
Durable goods	5.1	4.8	4.9	4.5	4.9	5.0	5.2	5.0	4.9	5.0	5.0	4.4	4.7
Nondurable goods	5.4	5.9	5.9	5.5	5.6	6.3	5.8	5.7	5.3	5.5	5.7	5.5	4.9
Service-producing industries	5.2	4.8	5.2	5.1	5.0	5.1	5.0	4.9	5.1	4.9	5.2	4.7	4.6
Transportation and public utilities	4.1	3.8	4.2	4.1	3.6	3.8	3.8	3.5	4.0	3.8	3.8	3.9	3.9
Wholesale and retail trade	6.7	5.9	6.3	6.0	6.2	6.4	6.2	6.0	6.2	6.3	6.3	5.6	5.6
Finance and service industries	4.3	4.3	4.6	4.6	4.5	4.4	4.4	4.5	4.6	4.1	4.7	4.3	4.1
Government workers	2.9	3.0	2.9	2.9	3.0	2.9	2.7	2.6	2.5	2.7	2.7	2.7	2.6
Agricultural wage and salary workers	11.0	11.0	12.4	10.0	11.0	11.0	10.8	10.2	9.3	8.8	9.5	8.9	8.9

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	1988										1989		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
DURATION													
Less than 5 weeks	3,057	3,093	3,072	3,093	2,985	3,158	3,116	3,059	3,117	3,029	3,181	3,247	3,055
5 to 14 weeks	2,060	1,969	2,068	1,910	2,041	1,956	1,896	1,835	1,935	2,039	2,081	1,865	1,821
15 weeks and over	1,693	1,582	1,614	1,543	1,619	1,636	1,568	1,554	1,502	1,495	1,512	1,304	1,310
15 to 26 weeks	851	756	789	749	826	831	775	788	787	758	757	665	648
27 weeks and over	842	826	825	794	793	805	793	766	715	737	755	639	663
Average (mean) duration, in weeks	13.8	13.5	13.8	13.2	13.5	13.5	13.5	13.4	12.6	12.8	12.7	12.1	12.4
Median duration, in weeks	6.4	5.8	5.9	5.9	6.2	5.9	5.7	5.7	5.6	5.8	5.7	5.3	5.4
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	44.9	46.6	45.5	47.3	44.9	46.8	47.4	47.4	47.6	46.2	47.0	50.6	49.4
5 to 14 weeks	30.2	29.6	30.6	29.2	30.7	29.0	28.8	28.5	29.5	31.1	30.7	29.1	29.4
15 weeks and over	24.9	23.8	23.9	23.6	24.4	24.2	23.8	24.1	22.9	22.8	22.3	20.3	21.2
15 to 26 weeks	12.5	11.4	11.7	11.4	12.4	12.3	11.8	12.2	12.0	11.5	11.2	10.4	10.5
27 weeks and over	12.4	12.4	12.2	12.1	11.9	11.9	12.1	11.9	10.9	11.2	11.1	10.0	10.7

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

(Numbers in thousands)

Reasons for unemployment	1988										1989		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
NUMBER OF UNEMPLOYED													
Job losers	3,131	2,968	3,201	3,070	3,085	3,112	3,079	2,951	3,031	3,066	3,121	2,876	2,831
On layoff	882	844	806	861	853	880	833	844	814	819	827	774	808
Other job losers	2,249	2,124	2,395	2,209	2,232	2,232	2,246	2,107	2,217	2,247	2,294	2,102	2,023
Job leavers	1,059	985	942	953	923	986	985	984	963	998	985	985	885
Reentrants	1,792	1,804	1,804	1,747	1,883	1,843	1,767	1,747	1,766	1,725	1,835	1,740	1,730
New entrants	871	886	811	800	799	800	761	747	799	799	780	765	713
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	45.7	44.7	47.4	46.7	46.1	46.2	46.7	45.9	46.2	46.5	46.4	45.2	46.0
On layoff	12.9	12.7	11.9	13.1	12.8	13.1	12.6	13.1	12.4	12.4	12.3	12.2	13.1
Other job losers	32.8	32.0	35.4	33.6	33.4	33.1	34.1	32.8	33.8	34.1	34.1	33.0	32.8
Job leavers	15.5	14.8	13.9	14.5	13.8	14.6	14.9	15.3	14.7	15.1	14.7	15.5	14.4
Reentrants	26.1	27.2	26.7	26.6	28.1	27.3	26.8	27.2	26.9	26.2	27.3	27.3	28.1
New entrants	12.7	13.3	12.0	12.2	11.9	11.9	11.5	11.6	12.2	12.1	11.6	12.0	11.6
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	2.6	2.4	2.6	2.5	2.5	2.6	2.5	2.4	2.5	2.5	2.5	2.3	2.3
Job leavers .....	.9	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.7
Reentrants	1.5	1.5	1.5	1.4	1.5	1.5	1.4	1.4	1.4	1.4	1.5	1.4	1.4
New entrants .....	.7	.7	.7	.7	.7	.7	.6	.6	.7	.7	.6	.6	.6

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-42. Employment status of the noninstitutional population, including Armed forces stationed in the United States, by sex, seasonally adjusted

(Numbers in thousands)

Employment status and sex	1986				1987				1988				1989
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
TOTAL													
Noninstitutional population ¹	181,517	182,008	182,530	183,115	183,743	184,253	184,749	185,216	185,707	186,099	186,530	186,949	187,461
Labor force ¹	118,610	119,383	119,900	120,298	120,826	121,441	121,779	122,301	122,786	123,062	123,570	124,084	124,979
Percent of population ²	65.3	65.6	65.7	65.7	65.8	65.9	65.9	66.0	66.1	66.1	66.2	66.4	66.7
Total employed ¹	110,426	110,944	111,662	112,178	112,974	113,926	114,576	115,224	115,893	116,398	116,892	117,539	118,588
Employment-population ratio ³	60.8	61.0	61.2	61.3	61.5	61.8	62.0	62.2	62.4	62.5	62.7	62.9	63.3
Resident Armed Forces	1,692	1,687	1,695	1,750	1,741	1,726	1,733	1,749	1,740	1,710	1,690	1,696	1,688
Civilian employed	108,734	109,257	109,967	110,428	111,233	112,200	112,843	113,475	114,152	114,688	115,202	115,843	116,900
Agriculture	3,191	3,165	3,134	3,163	3,191	3,263	3,186	3,193	3,212	3,139	3,126	3,223	3,243
Nonagricultural industries	105,543	106,091	106,833	107,264	108,042	108,937	109,657	110,282	110,940	111,549	112,076	112,620	113,657
Unemployed	8,184	8,439	8,238	8,120	7,852	7,514	7,203	7,077	6,893	6,664	6,678	6,545	6,391
Unemployment rate ⁴	6.9	7.1	6.9	6.8	6.5	6.2	5.9	5.8	5.6	5.4	5.4	5.3	5.1
Not in labor force	62,906	62,626	62,630	62,817	62,917	62,813	62,970	62,915	62,922	63,037	62,959	62,865	62,482
Men													
Noninstitutional population ¹	86,957	87,201	87,463	87,775	88,101	88,358	88,605	88,843	89,100	89,293	89,509	89,715	89,973
Labor force ¹	66,669	66,895	67,036	67,322	67,608	67,711	67,765	68,005	68,234	68,436	68,583	68,631	69,112
Percent of population ²	76.7	76.7	76.6	76.7	76.7	76.6	76.5	76.5	76.6	76.6	76.6	76.5	76.8
Total employed ¹	62,235	62,280	62,459	62,796	63,249	63,503	63,815	64,168	64,475	64,811	64,962	65,035	65,605
Employment-population ratio ³	71.6	71.4	71.4	71.5	71.8	71.9	72.0	72.2	72.4	72.6	72.6	72.5	72.9
Resident Armed Forces	1,539	1,533	1,540	1,592	1,583	1,567	1,572	1,587	1,579	1,548	1,527	1,534	1,525
Civilian employed	60,695	60,747	60,920	61,204	61,666	61,937	62,243	62,581	62,895	63,262	63,435	63,501	64,080
Unemployed	4,435	4,615	4,577	4,526	4,358	4,208	3,950	3,837	3,759	3,625	3,621	3,596	3,507
Unemployment rate ⁴	6.7	6.9	6.8	6.7	6.4	6.2	5.8	5.6	5.5	5.3	5.3	5.2	5.1
Not in labor force	20,288	20,306	20,426	20,453	20,494	20,647	20,840	20,839	20,866	20,858	20,926	21,084	20,861
Women													
Noninstitutional population ¹	94,560	94,807	95,067	95,341	95,642	95,896	96,144	96,372	96,608	96,806	97,022	97,234	97,488
Labor force ¹	51,941	52,487	52,864	52,976	53,219	53,730	54,014	54,296	54,552	54,626	54,987	55,453	55,867
Percent of population ²	54.9	55.4	55.6	55.6	55.6	56.0	56.2	56.3	56.5	56.4	56.7	57.0	57.3
Total employed ¹	48,191	48,664	49,202	49,382	49,725	50,423	50,760	51,056	51,418	51,588	51,930	52,504	52,983
Employment-population ratio ³	51.0	51.3	51.8	51.8	52.0	52.6	52.8	53.0	53.2	53.3	53.5	54.0	54.3
Resident Armed Forces	152	154	155	158	158	160	161	161	161	162	163	162	163
Civilian employed	48,039	48,509	49,047	49,224	49,567	50,263	50,600	50,894	51,257	51,426	51,767	52,342	52,820
Unemployed	3,750	3,824	3,661	3,594	3,494	3,307	3,253	3,241	3,134	3,039	3,057	2,949	2,884
Unemployment rate ⁴	7.2	7.3	6.9	6.8	6.6	6.2	6.0	6.0	5.7	5.6	5.6	5.3	5.2
Not in labor force	42,619	42,320	42,204	42,365	42,423	42,166	42,130	42,076	42,056	42,180	42,035	41,781	41,621

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

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

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

Armed Forces).

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, and age	1986				1987				1988				1989
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
TOTAL													
Civilian noninstitutional population ¹	179,825	180,321	180,835	181,365	182,002	182,527	183,016	183,467	183,967	184,389	184,840	185,253	185,773
Civilian labor force	116,919	117,695	118,205	118,548	119,085	119,714	120,046	120,552	121,045	121,352	121,881	122,388	123,291
Percent of population	65.0	65.3	65.4	65.4	65.4	65.6	65.6	65.7	65.8	65.8	65.9	66.1	66.4
Employed	108,734	109,257	109,967	110,428	111,233	112,200	112,843	113,475	114,152	114,688	115,202	115,843	116,900
Employment-population ratio ²	60.5	60.6	60.8	60.9	61.1	61.5	61.7	61.9	62.1	62.2	62.3	62.5	62.9
Unemployed	8,184	8,439	8,238	8,120	7,852	7,514	7,203	7,077	6,893	6,664	6,678	6,545	6,391
Unemployment rate	7.0	7.2	7.0	6.8	6.6	6.3	6.0	5.9	5.7	5.5	5.5	5.3	5.2
Men, 20 years and over													
Civilian noninstitutional population ¹	78,169	78,393	78,647	78,883	79,217	79,466	79,678	79,898	80,194	80,418	80,676	80,925	81,251
Civilian labor force	61,100	61,193	61,364	61,670	61,908	62,068	62,083	62,270	62,522	62,721	62,843	62,971	63,468
Percent of population	78.2	78.1	78.0	78.2	78.1	78.1	77.9	77.9	78.0	78.0	77.9	77.8	78.1
Employed	57,426	57,405	57,575	57,885	58,316	58,613	58,828	59,147	59,448	59,756	59,905	60,017	60,642
Employment-population ratio ²	73.5	73.2	73.2	73.4	73.6	73.8	73.8	74.0	74.1	74.3	74.3	74.2	74.6
Agriculture	2,327	2,301	2,252	2,297	2,316	2,386	2,314	2,298	2,280	2,243	2,258	2,307	2,305
Nonagricultural industries	55,099	55,103	55,323	55,589	56,000	56,227	56,514	56,849	57,168	57,514	57,647	57,711	58,337
Unemployed	3,674	3,788	3,789	3,785	3,592	3,455	3,255	3,123	3,074	2,965	2,938	2,953	2,827
Unemployment rate	6.0	6.2	6.2	6.1	5.8	5.6	5.2	5.0	4.9	4.7	4.7	4.7	4.5
Not in labor force	17,069	17,200	17,283	17,213	17,309	17,398	17,595	17,628	17,672	17,697	17,833	17,954	17,783
Women, 20 years and over													
Civilian noninstitutional population ¹	87,187	87,449	87,699	87,935	88,236	88,468	88,701	88,925	89,183	89,397	89,664	89,883	90,155
Civilian labor force	47,963	48,471	48,921	48,993	49,255	49,688	49,962	50,214	50,501	50,604	50,919	51,449	51,890
Percent of population	55.0	55.4	55.8	55.7	55.8	56.2	56.3	56.5	56.6	56.6	56.8	57.2	57.6
Employed	44,896	45,345	45,916	46,062	46,403	46,986	47,295	47,605	47,963	48,122	48,423	49,022	49,514
Employment-population ratio ²	51.5	51.9	52.4	52.4	52.6	53.1	53.3	53.5	53.8	53.8	54.0	54.5	54.9
Agriculture	614	591	628	622	611	615	622	635	639	628	599	642	682
Nonagricultural industries	44,282	44,754	45,288	45,440	45,791	46,371	46,673	46,970	47,323	47,494	47,824	48,380	48,832
Unemployed	3,066	3,125	3,005	2,931	2,852	2,702	2,667	2,609	2,538	2,483	2,496	2,427	2,376
Unemployment rate	6.4	6.4	6.1	6.0	5.8	5.4	5.3	5.2	5.0	4.9	4.9	4.7	4.6
Not in labor force	39,224	38,978	38,778	38,942	38,981	38,780	38,739	38,711	38,682	38,793	38,745	38,434	38,265
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	14,469	14,479	14,489	14,547	14,548	14,593	14,638	14,644	14,590	14,574	14,500	14,445	14,367
Civilian labor force	7,856	8,032	7,920	7,885	7,922	7,959	8,001	8,069	8,022	8,026	8,119	7,969	7,933
Percent of population	54.3	55.5	54.7	54.2	54.5	54.5	54.7	55.1	55.0	55.1	56.0	55.2	55.2
Employed	6,412	6,507	6,476	6,481	6,514	6,601	6,720	6,723	6,742	6,810	6,874	6,804	6,745
Employment-population ratio ²	44.3	44.9	44.7	44.5	44.8	45.2	45.9	45.9	46.2	46.7	47.4	47.1	46.9
Agriculture	250	273	254	245	263	263	249	260	293	269	269	274	256
Nonagricultural industries	6,162	6,234	6,222	6,236	6,251	6,339	6,470	6,463	6,448	6,541	6,605	6,529	6,489
Unemployed	1,444	1,525	1,444	1,404	1,408	1,358	1,281	1,345	1,281	1,216	1,244	1,165	1,188
Unemployment rate	18.4	19.0	18.2	17.8	17.8	17.1	16.0	16.7	16.0	15.2	15.3	14.6	15.0
Not in labor force	6,613	6,447	6,569	6,662	6,626	6,634	6,637	6,575	6,568	6,548	6,381	6,476	6,434

¹ The population figures are not adjusted for seasonal variation.

population.

² Civilian employment as a percent of the civilian noninstitutional

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-44. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1986				1987				1988				1989
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
WHITE													
Civilian noninstitutional population ¹	154,893	155,245	155,609	155,982	156,435	156,806	157,145	157,448	157,772	158,048	158,347	158,611	158,944
Civilian labor force	101,066	101,620	102,135	102,413	102,735	103,224	103,386	103,758	104,255	104,555	104,900	105,286	105,964
Percent of population	65.2	65.5	65.6	65.7	65.7	65.8	65.8	65.9	66.1	66.2	66.2	66.4	66.7
Employed	94,943	95,337	96,027	96,345	96,900	97,642	98,084	98,527	99,204	99,691	99,909	100,436	101,338
Employment-population ratio ²	61.3	61.4	61.7	61.8	61.9	62.3	62.4	62.6	62.9	63.1	63.1	63.3	63.8
Unemployed	6,123	6,283	6,109	6,067	5,835	5,581	5,302	5,231	5,050	4,864	4,991	4,849	4,626
Unemployment rate	6.1	6.2	6.0	5.9	5.7	5.4	5.1	5.0	4.8	4.7	4.8	4.6	4.4
Men, 20 years and over													
Civilian labor force	53,516	53,564	53,691	53,959	54,120	54,205	54,191	54,365	54,546	54,678	54,805	54,894	55,301
Percent of population	78.5	78.4	78.4	78.6	78.5	78.5	78.2	78.3	78.3	78.3	78.3	78.3	78.6
Employed	50,707	50,673	50,832	51,068	51,350	51,570	51,718	51,956	52,231	52,465	52,541	52,624	53,197
Employment-population ratio ²	74.4	74.2	74.2	74.4	74.5	74.6	74.7	74.8	75.0	75.2	75.1	75.0	75.6
Unemployed	2,809	2,891	2,859	2,891	2,770	2,635	2,473	2,409	2,315	2,212	2,264	2,270	2,104
Unemployment rate	5.2	5.4	5.3	5.4	5.1	4.9	4.6	4.4	4.2	4.0	4.1	4.1	3.8
Women, 20 years and over													
Civilian labor force	40,748	41,140	41,586	41,577	41,734	42,113	42,327	42,474	42,764	42,926	43,099	43,522	43,829
Percent of population	54.4	54.8	55.3	55.1	55.2	55.6	55.7	55.8	56.1	56.2	56.3	56.7	57.0
Employed	38,474	38,860	39,401	39,465	39,712	40,181	40,446	40,626	40,967	41,186	41,305	41,801	42,164
Employment-population ratio ²	51.4	51.8	52.4	52.3	52.5	53.0	53.3	53.4	53.7	53.9	54.0	54.5	54.8
Unemployed	2,274	2,280	2,185	2,112	2,022	1,932	1,881	1,848	1,797	1,740	1,794	1,722	1,664
Unemployment rate	5.6	5.5	5.3	5.1	4.8	4.6	4.4	4.4	4.2	4.1	4.2	4.0	3.8
Both sexes, 16 to 19 years													
Civilian labor force	6,802	6,916	6,858	6,876	6,882	6,905	6,868	6,918	6,945	6,952	6,996	6,870	6,835
Percent of population	57.3	58.2	57.7	57.8	57.7	57.8	57.4	58.0	58.4	58.5	59.1	58.5	58.6
Employed	5,762	5,803	5,793	5,812	5,838	5,891	5,920	5,944	6,006	6,040	6,063	6,012	5,977
Employment-population ratio ²	48.6	48.9	48.8	48.9	49.0	49.3	49.5	49.8	50.5	50.9	51.2	51.2	51.3
Unemployed	1,040	1,112	1,065	1,065	1,043	1,014	948	974	938	912	933	858	858
Unemployment rate	15.3	16.1	15.5	15.5	15.2	14.7	13.8	14.1	13.5	13.1	13.3	12.5	12.5
Men	15.8	17.1	16.2	16.0	16.3	16.2	14.4	14.9	14.2	13.9	14.2	13.4	14.2
Women	14.8	15.0	14.8	15.0	13.9	13.1	13.1	13.2	12.8	12.3	12.4	11.5	10.7
BLACK													
Civilian noninstitutional population ¹	19,863	19,945	20,028	20,120	20,218	20,310	20,398	20,481	20,568	20,651	20,737	20,813	20,904
Civilian labor force	12,559	12,753	12,600	12,709	12,836	12,883	13,076	13,167	13,137	13,090	13,240	13,342	13,459
Percent of population	63.2	63.9	62.9	63.2	63.5	63.4	64.1	64.3	63.9	63.4	63.8	64.1	64.4
Employed	10,734	10,873	10,751	10,893	11,053	11,201	11,426	11,546	11,512	11,530	11,751	11,831	11,898
Employment-population ratio ²	54.0	54.5	53.7	54.1	54.7	55.1	56.0	56.4	56.0	55.8	56.7	56.8	56.9
Unemployed	1,825	1,880	1,849	1,816	1,783	1,682	1,650	1,621	1,626	1,559	1,489	1,510	1,561
Unemployment rate	14.5	14.7	14.7	14.3	13.9	13.1	12.6	12.3	12.4	11.9	11.2	11.3	11.6
Men, 20 years and over													
Civilian labor force	5,874	5,928	5,904	5,962	5,979	6,007	6,053	6,050	6,117	6,114	6,109	6,161	6,218
Percent of population	74.8	75.1	74.5	74.9	74.7	74.7	74.9	74.5	75.0	74.6	74.2	74.5	74.8
Employed	5,120	5,169	5,116	5,196	5,278	5,322	5,397	5,431	5,461	5,486	5,532	5,557	5,582
Employment-population ratio ²	65.2	65.5	64.6	65.3	65.9	66.1	66.8	66.9	66.9	66.9	67.2	67.2	67.1
Unemployed	754	758	788	766	702	685	656	619	656	628	577	603	637
Unemployment rate	12.8	12.8	13.3	12.8	11.7	11.4	10.8	10.2	10.7	10.3	9.4	9.8	10.2
Women, 20 years and over													
Civilian labor force	5,776	5,886	5,854	5,902	5,984	6,007	6,108	6,180	6,161	6,103	6,216	6,277	6,344
Percent of population	58.5	59.3	58.7	58.9	59.5	59.5	60.2	60.6	60.2	59.4	60.2	60.6	60.9
Employed	5,071	5,143	5,132	5,161	5,227	5,324	5,402	5,499	5,497	5,449	5,595	5,646	5,714
Employment-population ratio ²	51.3	51.8	51.5	51.5	52.0	52.7	53.2	54.0	53.7	53.0	54.2	54.5	54.9
Unemployed	705	743	723	741	756	683	706	681	663	654	621	631	630
Unemployment rate	12.2	12.6	12.3	12.5	12.6	11.4	11.6	11.0	10.8	10.7	10.0	10.1	9.9

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-44. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted—Continued

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1986				1987				1988				1989
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	909	939	842	844	873	869	915	937	859	873	915	904	896
Percent of population	42.5	44.0	39.4	39.4	40.6	40.2	42.2	43.1	39.5	40.0	41.9	41.5	41.2
Employed	543	561	503	535	548	555	627	616	553	595	623	628	602
Employment-population ratio ²	25.4	26.3	23.6	25.0	25.5	25.7	28.9	28.4	25.5	27.3	28.5	28.8	27.7
Unemployed	366	378	339	309	325	315	288	321	306	278	292	276	294
Unemployment rate	40.3	40.3	40.2	36.6	37.2	36.2	31.5	34.2	35.6	31.8	31.9	30.5	32.8
Men	40.4	39.9	40.4	37.0	36.0	36.3	32.8	33.0	37.4	31.0	31.7	31.6	32.8
Women	40.2	40.7	40.1	36.2	38.6	36.1	30.0	35.5	33.8	32.8	32.1	29.3	32.8
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	12,184	12,290	12,397	12,504	12,692	12,809	12,926	13,043	13,153	13,268	13,382	13,495	13,606
Civilian labor force	7,862	8,013	8,172	8,252	8,400	8,501	8,528	8,724	8,889	8,914	9,007	9,119	9,212
Percent of population	64.5	65.2	65.9	66.0	66.2	66.4	66.0	66.9	67.6	67.2	67.3	67.6	67.7
Employed	7,007	7,166	7,278	7,418	7,581	7,763	7,830	7,981	8,176	8,127	8,286	8,409	8,546
Employment-population ratio ²	57.5	58.3	58.7	59.3	59.7	60.6	60.6	61.2	62.2	61.3	61.9	62.3	62.8
Unemployed	855	847	894	834	819	738	698	743	713	787	721	709	666
Unemployment rate	10.9	10.6	10.9	10.1	9.8	8.7	8.2	8.5	8.0	8.8	8.0	7.8	7.2

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.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Full- and part- time status, sex, and age	1986				1987				1988				1989
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
EMPLOYED													
Full-time workers	89,788	90,142	90,899	91,267	92,009	92,576	93,336	93,886	94,527	95,069	95,345	95,866	96,723
Men, 16 years and over	54,550	54,510	54,744	54,945	55,388	55,532	55,910	56,164	56,452	56,838	56,948	57,028	57,537
Men, 20 years and over	53,178	53,105	53,386	53,609	54,026	54,244	54,501	54,755	55,035	55,372	55,460	55,545	56,122
Women, 16 years and over	35,245	35,633	36,135	36,357	36,611	37,046	37,449	37,729	38,014	38,271	38,453	38,852	39,120
Women, 20 years and over	34,218	34,542	35,123	35,351	35,560	35,979	36,331	36,602	36,922	37,178	37,318	37,769	38,085
Both sexes, 16 to 19 years	2,392	2,495	2,390	2,307	2,423	2,354	2,504	2,528	2,570	2,520	2,567	2,552	2,517
Part-time workers	18,968	19,098	19,030	19,175	19,246	19,603	19,449	19,632	19,670	19,549	19,771	20,021	20,208
Men, 16 years and over	6,142	6,224	6,174	6,286	6,264	6,387	6,346	6,440	6,412	6,399	6,515	6,499	6,504
Men, 20 years and over	4,244	4,288	4,185	4,285	4,285	4,362	4,337	4,393	4,410	4,372	4,459	4,471	4,499
Women, 16 years and over	12,799	12,862	12,896	12,895	12,949	13,212	13,143	13,194	13,219	13,153	13,293	13,522	13,667
Women, 20 years and over	10,688	10,798	10,763	10,731	10,851	11,012	10,926	11,026	11,048	10,949	11,053	11,283	11,439
Both sexes, 16 to 19 years	4,036	4,011	4,082	4,160	4,110	4,229	4,186	4,213	4,212	4,228	4,260	4,268	4,270
UNEMPLOYED													
Looking for full-time work	6,698	6,852	6,698	6,608	6,348	6,064	5,791	5,658	5,516	5,305	5,333	5,255	5,116
Men, 16 years and over	3,864	3,985	3,918	3,890	3,773	3,610	3,405	3,288	3,159	3,089	3,120	3,093	2,914
Men, 20 years and over	3,462	3,530	3,533	3,528	3,355	3,223	3,036	2,923	2,860	2,746	2,753	2,739	2,619
Women, 16 years and over	2,826	2,882	2,763	2,700	2,583	2,466	2,393	2,390	2,305	2,229	2,232	2,196	2,120
Women, 20 years and over	2,497	2,546	2,436	2,394	2,300	2,186	2,130	2,092	2,037	1,982	1,990	1,935	1,898
Both sexes, 16 to 19 years	739	776	730	687	693	655	625	642	620	577	590	582	598
Looking for part-time work	1,500	1,556	1,553	1,514	1,525	1,422	1,415	1,421	1,396	1,331	1,353	1,286	1,293
Men, 16 years and over	569	629	641	618	607	591	568	556	563	530	545	518	527
Men, 20 years and over	219	246	257	255	249	218	221	198	226	206	188	211	220
Women, 16 years and over	931	927	902	902	915	836	848	866	828	811	808	772	758
Women, 20 years and over	574	565	575	547	559	505	531	524	508	490	505	494	482
Both sexes, 16 to 19 years	706	745	721	712	717	699	663	699	662	635	661	580	591

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

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Category	1986				1987				1988				1989
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
CHARACTERISTIC													
Total	108,734	109,257	109,967	110,428	111,233	112,200	112,843	113,475	114,152	114,688	115,202	115,843	116,900
Married men, spouse present	39,437	39,613	39,698	39,878	40,036	40,087	40,316	40,611	40,471	40,435	40,514	40,465	40,979
Married women, spouse present	26,789	26,966	27,349	27,485	27,793	28,231	28,196	28,228	28,589	28,694	28,771	28,979	29,523
Women who maintain families	5,721	5,801	5,870	5,950	5,936	6,013	6,108	6,173	6,154	6,074	6,234	6,373	6,352
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,568	1,512	1,539	1,589	1,626	1,638	1,639	1,622	1,626	1,596	1,597	1,677	1,662
Self-employed workers	1,453	1,482	1,433	1,419	1,406	1,451	1,411	1,427	1,418	1,377	1,398	1,401	1,403
Unpaid family workers	172	166	168	170	147	162	149	150	137	156	148	150	159
Nonagricultural industries:													
Wage and salary workers	97,622	98,065	98,572	98,941	99,668	100,462	101,174	101,781	102,417	102,553	103,299	103,802	104,763
Government	16,229	16,315	16,464	16,357	16,526	16,722	16,901	17,047	16,998	17,002	17,096	17,350	17,362
Private industries	81,394	81,750	82,108	82,584	83,142	83,739	84,273	84,735	85,419	85,551	86,203	86,452	87,401
Private households	1,218	1,271	1,257	1,193	1,225	1,216	1,179	1,216	1,160	1,137	1,126	1,190	1,165
Other industries	80,176	80,479	80,851	81,391	81,917	82,523	83,094	83,519	84,259	84,414	85,077	85,262	86,236
Self-employed workers	7,717	7,723	7,984	8,081	8,170	8,144	8,210	8,274	8,326	8,640	8,536	8,567	8,626
Unpaid family workers	259	238	264	259	259	267	269	245	241	290	241	266	305
PERSONS AT WORK PART TIME¹													
All industries:													
Part time for economic reasons	5,461	5,791	5,505	5,628	5,511	5,337	5,353	5,414	5,352	5,131	5,210	5,115	5,015
Slack work	2,327	2,573	2,457	2,491	2,421	2,339	2,388	2,387	2,402	2,292	2,351	2,349	2,279
Could only find part-time work	2,830	2,873	2,723	2,801	2,733	2,678	2,631	2,670	2,590	2,486	2,467	2,395	2,359
Voluntary part time	13,844	13,922	13,939	14,043	14,177	14,443	14,451	14,554	14,618	14,791	15,098	15,323	15,363
Nonagricultural industries:													
Part time for economic reasons	5,234	5,530	5,271	5,369	5,227	5,066	5,066	5,136	5,100	4,901	4,979	4,860	4,747
Slack work	2,174	2,425	2,306	2,340	2,230	2,156	2,206	2,210	2,245	2,150	2,202	2,196	2,099
Could only find part-time work	2,754	2,776	2,661	2,701	2,647	2,597	2,551	2,575	2,504	2,402	2,406	2,305	2,291
Voluntary part time	13,391	13,498	13,525	13,602	13,719	13,953	13,989	14,093	14,163	14,332	14,663	14,864	14,928

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
QUARTERLY AVERAGES**

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

(In thousands)

Sex and age	1986				1987				1988				1989
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
Total, 16 years and over	108,734	109,257	109,967	110,428	111,233	112,200	112,843	113,475	114,152	114,688	115,202	115,843	116,900
16 to 24 years	20,364	20,288	20,209	20,188	20,186	20,149	20,231	20,101	20,150	20,077	20,103	19,886	19,845
16 to 19 years	6,412	6,507	6,476	6,481	6,514	6,601	6,720	6,723	6,742	6,810	6,874	6,804	6,745
16 to 17 years	2,549	2,643	2,619	2,679	2,696	2,689	2,797	2,758	2,730	2,725	2,680	2,715	2,601
18 to 19 years	3,891	3,861	3,826	3,821	3,836	3,906	3,900	3,975	4,015	4,080	4,175	4,095	4,158
20 to 24 years	13,952	13,781	13,734	13,707	13,672	13,548	13,512	13,378	13,409	13,267	13,229	13,083	13,100
25 years and over	88,398	88,943	89,781	90,223	91,068	92,021	92,649	93,355	94,004	94,575	95,152	95,944	97,044
25 to 54 years	74,147	74,551	75,392	75,953	76,647	77,551	78,164	78,715	79,379	79,987	80,587	81,197	82,120
55 years and over	14,223	14,376	14,420	14,278	14,397	14,462	14,519	14,643	14,601	14,576	14,587	14,750	14,887
Men, 16 years and over	60,695	60,747	60,920	61,204	61,666	61,937	62,243	62,581	62,895	63,262	63,435	63,501	64,080
16 to 24 years	10,664	10,554	10,540	10,529	10,509	10,395	10,473	10,391	10,424	10,458	10,439	10,323	10,368
16 to 19 years	3,269	3,343	3,345	3,319	3,350	3,324	3,415	3,434	3,447	3,508	3,530	3,484	3,438
16 to 17 years	1,312	1,375	1,353	1,369	1,384	1,367	1,408	1,410	1,409	1,400	1,395	1,407	1,315
18 to 19 years	1,972	1,967	1,973	1,969	1,972	1,953	1,987	2,039	2,036	2,103	2,122	2,093	2,134
20 to 24 years	7,395	7,212	7,195	7,211	7,159	7,071	7,058	6,957	6,977	6,952	6,909	6,840	6,930
25 years and over	50,054	50,171	50,389	50,673	51,173	51,521	51,788	52,184	52,473	52,786	53,024	53,172	53,710
25 to 54 years	41,626	41,723	42,029	42,276	42,666	42,982	43,293	43,602	43,944	44,258	44,519	44,720	45,123
55 years and over	8,412	8,439	8,369	8,411	8,497	8,531	8,507	8,593	8,517	8,517	8,513	8,463	8,567
Women, 16 years and over	48,039	48,509	49,047	49,224	49,567	50,263	50,600	50,894	51,257	51,426	51,767	52,342	52,820
16 to 24 years	9,700	9,733	9,669	9,658	9,677	9,754	9,759	9,710	9,726	9,819	9,664	9,563	9,477
16 to 19 years	3,143	3,164	3,131	3,162	3,164	3,277	3,305	3,289	3,294	3,304	3,344	3,320	3,306
16 to 17 years	1,237	1,268	1,266	1,310	1,311	1,322	1,389	1,349	1,321	1,324	1,285	1,308	1,286
18 to 19 years	1,918	1,893	1,853	1,852	1,864	1,952	1,913	1,936	1,979	1,977	2,053	2,002	2,024
20 to 24 years	6,557	6,569	6,539	6,496	6,513	6,477	6,454	6,421	6,432	6,315	6,320	6,243	6,170
25 years and over	38,344	38,773	39,392	39,550	39,895	40,500	40,861	41,171	41,531	41,789	42,128	42,772	43,335
25 to 54 years	32,521	32,626	33,362	33,677	33,961	34,569	34,871	35,113	35,435	35,732	36,068	36,477	36,997
55 years and over	5,811	5,937	6,052	5,867	5,900	5,931	6,012	6,050	6,084	6,059	6,074	6,288	6,320

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

(In thousands)

Sex and age	1986				1987				1988				1989
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
Total, 16 years and over	8,184	8,439	8,238	8,120	7,652	7,514	7,203	7,077	6,693	6,664	6,678	6,545	6,391
16 to 24 years	3,109	3,201	3,106	3,011	2,995	2,859	2,703	2,631	2,600	2,475	2,466	2,404	2,387
16 to 19 years	1,444	1,525	1,444	1,404	1,408	1,358	1,261	1,345	1,281	1,216	1,244	1,165	1,188
16 to 17 years	663	699	661	648	672	664	604	653	598	548	609	538	543
18 to 19 years	789	841	773	755	743	695	673	688	689	667	634	622	651
20 to 24 years	1,665	1,676	1,662	1,607	1,586	1,501	1,422	1,286	1,319	1,259	1,222	1,239	1,199
25 years and over	5,084	5,233	5,143	5,093	4,872	4,645	4,509	4,427	4,308	4,181	4,219	4,126	4,016
25 to 54 years	4,479	4,677	4,560	4,525	4,398	4,141	4,018	3,936	3,830	3,712	3,754	3,692	3,578
55 years and over	614	563	582	562	480	505	486	491	461	469	456	436	445
Men, 16 years and over	4,435	4,615	4,577	4,526	4,358	4,208	3,950	3,837	3,759	3,625	3,621	3,596	3,507
16 to 24 years	1,649	1,746	1,701	1,621	1,612	1,562	1,450	1,403	1,397	1,325	1,337	1,310	1,308
16 to 19 years	761	827	788	741	767	753	695	714	685	660	683	643	680
16 to 17 years	358	363	363	334	363	372	328	348	320	297	325	303	302
18 to 19 years	411	470	411	405	413	386	358	362	375	365	350	336	386
20 to 24 years	888	919	914	880	848	810	755	689	712	665	654	667	627
25 years and over	2,789	2,864	2,888	2,891	2,754	2,638	2,511	2,419	2,371	2,292	2,293	2,274	2,209
25 to 54 years	2,433	2,524	2,520	2,521	2,451	2,315	2,206	2,124	2,066	2,002	2,013	1,998	1,940
55 years and over	363	343	368	363	306	322	305	294	309	286	277	276	272
Women, 16 years and over	3,750	3,824	3,661	3,594	3,494	3,307	3,253	3,241	3,134	3,039	3,057	2,949	2,884
16 to 24 years	1,460	1,455	1,405	1,390	1,382	1,296	1,253	1,228	1,203	1,150	1,129	1,094	1,079
16 to 19 years	683	698	656	663	642	605	586	632	596	556	561	522	508
16 to 17 years	306	325	298	314	308	292	276	305	278	250	264	235	242
18 to 19 years	378	371	362	350	331	310	315	327	314	302	284	286	263
20 to 24 years	777	757	749	727	741	691	667	597	607	594	568	572	571
25 years and over	2,294	2,369	2,255	2,203	2,118	2,008	1,998	2,008	1,935	1,889	1,926	1,852	1,807
25 to 54 years	2,046	2,153	2,040	2,003	1,947	1,826	1,811	1,812	1,764	1,710	1,742	1,694	1,638
55 years and over	251	220	213	199	174	183	183	197	172	182	179	161	173

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Civilian workers)

Sex and age	1986				1987				1988				1989
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
Total, 16 years and over	7.0	7.2	7.0	6.8	6.6	6.3	6.0	5.9	5.7	5.5	5.5	5.3	5.2
16 to 24 years	13.2	13.6	13.3	13.0	12.9	12.4	11.8	11.6	11.4	11.0	10.9	10.8	10.7
16 to 19 years	18.4	19.0	18.2	17.8	17.8	17.1	16.0	16.7	16.0	15.2	15.3	14.6	15.0
16 to 17 years	20.6	20.7	20.2	19.5	19.9	19.8	17.8	19.1	18.0	16.7	18.5	16.5	17.3
18 to 19 years	16.9	17.9	16.8	16.5	16.2	15.1	14.7	14.8	14.7	14.0	13.2	13.2	13.5
20 to 24 years	10.7	10.8	10.8	10.5	10.4	10.0	9.5	8.8	9.0	8.7	8.5	8.7	8.4
25 years and over	5.4	5.6	5.4	5.3	5.1	4.8	4.6	4.5	4.4	4.2	4.2	4.1	4.0
25 to 54 years	5.7	5.9	5.7	5.6	5.4	5.1	4.9	4.8	4.6	4.4	4.5	4.3	4.2
55 years and over	4.1	3.8	3.9	3.8	3.2	3.4	3.2	3.2	3.2	3.1	3.0	2.9	2.9
Men, 16 years and over	6.8	7.1	7.0	6.9	6.6	6.4	6.0	5.8	5.6	5.4	5.4	5.4	5.2
16 to 24 years	13.4	14.2	13.9	13.3	13.3	13.1	12.2	11.9	11.8	11.2	11.4	11.3	11.2
16 to 19 years	18.9	19.8	19.1	18.3	18.6	18.5	16.9	17.2	16.6	15.8	16.2	15.6	16.5
16 to 17 years	21.4	20.9	21.2	19.6	20.8	21.4	18.9	19.8	18.5	17.5	18.9	17.7	18.7
18 to 19 years	17.2	19.3	17.2	17.1	17.3	16.5	15.3	15.1	15.6	14.8	14.2	13.8	15.4
20 to 24 years	10.7	11.3	11.3	10.9	10.6	10.3	9.7	9.0	9.3	8.7	8.6	8.9	8.3
25 years and over	5.3	5.4	5.4	5.4	5.1	4.9	4.6	4.4	4.3	4.2	4.1	4.1	4.0
25 to 54 years	5.5	5.7	5.7	5.6	5.4	5.1	4.8	4.6	4.5	4.3	4.3	4.3	4.1
55 years and over	4.1	3.9	4.2	4.1	3.5	3.6	3.5	3.3	3.5	3.3	3.2	3.2	3.1
Women, 16 years and over	7.2	7.3	6.9	6.8	6.6	6.2	6.0	6.0	5.8	5.6	5.6	5.3	5.2
16 to 24 years	13.1	13.0	12.7	12.6	12.5	11.7	11.4	11.2	11.0	10.7	10.5	10.3	10.2
16 to 19 years	17.9	18.1	17.3	17.3	16.9	15.6	15.1	16.1	15.3	14.4	14.4	13.6	13.3
16 to 17 years	19.8	20.4	19.1	19.3	19.0	18.1	16.6	18.4	17.4	15.9	18.1	15.3	15.8
18 to 19 years	16.4	16.4	16.3	15.9	15.1	13.7	14.1	14.4	13.7	13.2	12.2	12.5	11.5
20 to 24 years	10.6	10.3	10.3	10.1	10.2	9.6	9.4	8.5	8.6	8.6	8.2	8.4	8.5
25 years and over	5.6	5.8	5.4	5.3	5.0	4.7	4.7	4.6	4.5	4.3	4.4	4.2	4.0
25 to 54 years	5.9	6.2	5.8	5.6	5.4	5.0	4.9	4.9	4.7	4.6	4.6	4.4	4.2
55 years and over	4.1	3.6	3.4	3.3	2.9	3.0	2.9	3.2	2.7	2.9	2.9	2.5	2.7

A-50. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1986				1987				1988				1989
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
CHARACTERISTIC													
Total (all civilian workers)	7.0	7.2	7.0	6.8	6.6	6.3	6.0	5.9	5.7	5.5	5.5	5.3	5.2
Men, 20 years and over	6.0	6.2	6.2	6.1	5.8	5.6	5.2	5.0	4.9	4.7	4.7	4.7	4.5
Women, 20 years and over	6.4	6.4	6.1	6.0	5.8	5.4	5.3	5.2	5.0	4.9	4.9	4.7	4.6
Both sexes, 16 to 19 years	18.4	19.0	18.2	17.8	17.8	17.1	16.0	16.7	16.0	15.2	15.3	14.6	15.0
White	6.1	6.2	6.0	5.9	5.7	5.4	5.1	5.0	4.8	4.7	4.8	4.6	4.4
Black and other	13.1	13.4	13.1	12.7	12.4	11.7	11.3	11.0	11.1	10.6	9.9	9.9	10.3
Black	14.5	14.7	14.7	14.3	13.9	13.1	12.6	12.3	12.4	11.9	11.2	11.3	11.6
Hispanic origin	10.9	10.6	10.9	10.1	9.8	8.7	8.2	8.5	8.0	8.8	8.0	7.8	7.2
Married men, spouse present	4.4	4.4	4.4	4.4	4.1	4.1	3.8	3.5	3.4	3.2	3.2	3.2	3.0
Married women, spouse present	5.3	5.4	5.1	4.9	4.6	4.3	4.2	4.2	4.0	3.9	3.9	3.7	3.5
Women who maintain families	10.0	9.8	9.8	9.6	9.7	9.4	9.1	8.6	8.2	8.2	8.0	7.9	8.0
Full-time workers	6.7	6.8	6.6	6.5	6.2	5.9	5.6	5.5	5.3	5.1	5.1	5.0	4.9
Part-time workers	9.0	9.3	9.2	9.0	9.0	8.2	8.2	8.2	8.0	7.6	7.6	7.2	7.1
Unemployed 15 weeks and over ¹	1.9	1.9	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.3	1.2	1.1
Labor force time lost ²	7.9	8.1	7.9	7.7	7.4	7.2	6.8	6.7	6.6	6.3	6.4	6.2	6.0
INDUSTRY													
Nonagricultural private wage and salary workers	7.0	7.2	7.0	6.9	6.6	6.3	6.0	5.8	5.7	5.5	5.5	5.4	5.3
Goods-producing industries	8.4	8.6	8.5	8.9	8.0	7.5	7.0	6.7	6.7	6.4	6.5	6.4	6.1
Mining	10.5	13.6	15.9	14.7	12.3	10.8	8.2	7.8	7.9	8.1	7.0	8.5	7.0
Construction	12.9	12.6	12.9	14.1	12.1	12.0	11.5	10.9	11.1	10.5	10.2	10.3	9.9
Manufacturing	7.1	7.2	7.0	7.2	6.7	6.1	5.7	5.4	5.4	5.2	5.4	5.2	5.0
Durable goods	7.0	7.1	6.7	7.0	6.5	6.0	5.6	5.1	5.4	4.8	5.0	5.0	4.7
Nondurable goods	7.2	7.4	7.4	7.5	6.9	6.3	5.8	6.0	5.5	5.8	5.9	5.5	5.4
Service-producing industries	6.3	6.5	6.3	6.0	5.9	5.7	5.5	5.4	5.2	5.0	5.0	5.0	4.9
Transportation and public utilities	5.3	5.3	5.1	4.7	4.5	4.6	4.3	4.4	3.9	4.0	3.7	3.8	3.9
Wholesale and retail trade	7.5	7.9	7.6	7.3	7.3	7.1	6.7	6.5	6.4	6.0	6.2	6.2	5.8
Finance and service industries	5.6	5.7	5.6	5.2	5.2	4.9	4.8	4.7	4.6	4.5	4.4	4.4	4.4
Government workers	3.8	3.6	3.3	3.6	3.6	3.5	3.4	3.3	2.9	2.9	2.9	2.6	2.7
Agricultural wage and salary workers	12.4	14.4	12.3	11.2	11.1	9.2	9.9	11.2	11.0	11.1	10.9	9.4	9.1

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.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Weeks of unemployment	1986				1987				1988				1989
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
DURATION													
Less than 5 weeks	3,476	3,542	3,423	3,362	3,382	3,208	3,193	3,205	3,091	3,086	3,086	3,068	3,161
5 to 14 weeks	2,524	2,684	2,521	2,543	2,409	2,185	2,102	2,060	2,122	1,982	1,964	1,936	1,922
15 weeks and over	2,218	2,227	2,288	2,204	2,109	2,085	1,892	1,804	1,718	1,580	1,608	1,517	1,375
15 to 26 weeks	1,067	1,022	1,081	1,022	979	1,002	891	872	844	765	811	778	690
27 weeks and over	1,151	1,204	1,207	1,182	1,131	1,083	1,001	932	874	815	797	739	686
Average (mean) duration, in weeks	14.9	14.9	15.4	15.1	14.8	14.9	14.2	14.1	14.0	13.5	13.5	12.9	12.4
Median duration, in weeks	6.8	6.9	7.1	7.1	6.7	6.7	6.3	6.1	6.3	5.9	5.9	5.7	5.5
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	42.3	41.9	41.6	41.5	42.8	42.9	44.4	45.3	44.6	46.4	46.4	47.0	48.9
5 to 14 weeks	30.7	31.8	30.6	31.4	30.5	29.2	29.2	29.1	30.6	29.8	29.5	29.7	29.8
15 weeks and over	27.0	26.3	27.8	27.2	26.7	27.9	26.3	25.5	24.8	23.8	24.1	23.3	21.3
15 to 26 weeks	13.0	12.1	13.1	12.6	12.4	13.4	12.4	12.3	12.2	11.5	12.2	11.9	10.7
27 weeks and over	14.0	14.2	14.7	14.6	14.3	14.5	13.9	13.2	12.6	12.3	12.0	11.3	10.6

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

(Numbers in thousands)

Reasons for unemployment	1986				1987				1988				1989
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
NUMBER OF UNEMPLOYED													
Job losers	4,031	4,167	4,005	3,951	3,847	3,634	3,409	3,313	3,165	3,080	3,092	3,016	2,942
On layoff	1,123	1,105	1,058	1,066	1,018	946	871	898	877	837	855	826	803
Other job losers	2,908	3,062	2,946	2,885	2,829	2,688	2,538	2,415	2,288	2,243	2,237	2,190	2,140
Job leavers	976	1,043	1,009	1,037	968	953	991	949	1,025	960	965	982	952
Reentrants	2,174	2,180	2,181	2,103	2,059	1,998	1,926	1,914	1,872	1,785	1,831	1,746	1,768
New entrants	1,011	1,056	1,051	1,003	994	921	873	893	865	832	787	782	753
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	49.2	49.3	48.6	48.8	48.9	48.4	47.4	46.9	45.7	46.3	46.3	46.2	45.9
On layoff	13.7	13.1	12.8	13.2	12.9	12.6	12.1	12.7	12.7	12.6	12.8	12.7	12.5
Other job losers	35.5	36.3	35.7	35.6	35.9	35.8	35.3	34.2	33.0	33.7	33.5	33.6	33.4
Job leavers	11.9	12.4	12.2	12.8	12.3	12.7	13.8	13.4	14.8	14.4	14.5	15.0	14.8
Reentrants	26.5	25.8	26.4	26.0	26.2	26.6	26.8	27.1	27.0	26.8	27.4	26.8	27.6
New entrants	12.3	12.5	12.7	12.4	12.6	12.3	12.1	12.6	12.5	12.5	11.8	12.0	11.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.4	3.5	3.4	3.3	3.2	3.0	2.8	2.7	2.6	2.5	2.5	2.5	2.4
On layoff .....	.8	.9	.9	.9	.8	.8	.8	.8	.8	.8	.8	.8	.8
Other job losers	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.4	1.4
Job leavers .....	.9	.9	.9	.8	.8	.8	.7	.7	.7	.7	.6	.6	.6

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Reason, sex, and race	1986				1987				1988				1989
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
TOTAL													
Total not in labor force	62,906	62,626	62,630	62,817	62,917	62,813	62,970	62,915	62,922	63,037	62,959	62,865	62,482
Do not want a job now	57,195	56,846	56,695	56,987	57,062	57,048	57,324	57,357	57,490	57,630	58,202	57,491	57,310
Current activity:													
Going to school	6,246	6,475	6,121	6,343	6,423	6,388	6,317	6,436	6,350	6,329	7,022	6,229	6,365
Ill, disabled	4,176	4,064	4,088	3,907	4,147	4,207	4,431	4,397	4,292	4,482	4,453	4,730	4,528
Keeping house	26,747	26,529	26,120	26,069	26,205	25,553	25,563	25,578	25,304	25,339	25,331	24,588	24,550
Retired	15,204	15,319	15,840	16,025	15,870	16,259	16,341	16,456	16,869	16,797	16,825	17,251	17,179
Other activity	4,822	4,458	4,525	4,643	4,416	4,641	4,672	4,490	4,675	4,683	4,571	4,693	4,688
Want a job now	5,767	5,856	5,931	5,848	5,775	5,885	5,788	5,455	5,484	5,318	5,276	5,418	5,313
Reason not looking:													
School attendance	1,441	1,381	1,511	1,415	1,364	1,479	1,516	1,371	1,327	1,286	1,387	1,412	1,279
Ill health, disability	845	865	905	769	854	906	838	849	849	832	794	750	910
Home responsibilities	1,380	1,297	1,200	1,357	1,240	1,326	1,265	1,237	1,193	1,209	1,128	1,145	1,177
Think cannot get a job	1,059	1,130	1,160	1,150	1,107	1,053	1,026	913	990	914	941	951	855
Job-market factors	752	776	753	828	735	706	652	587	667	600	599	597	562
Personal factors	307	354	407	322	373	347	374	326	323	314	341	354	293
Other reasons ¹	1,042	1,183	1,155	1,158	1,209	1,122	1,142	1,085	1,125	1,076	1,026	1,160	1,093
Men													
Total not in labor force	20,288	20,306	20,426	20,453	20,494	20,647	20,840	20,839	20,866	20,858	20,926	21,084	20,861
Do not want a job now	18,407	18,418	18,270	18,424	18,478	18,623	18,869	18,868	19,012	18,888	19,100	19,062	19,085
Want a job now	1,948	1,952	2,066	2,000	1,996	2,081	2,044	1,902	1,966	1,889	1,920	1,985	1,946
Reason not looking:													
School attendance	756	656	793	666	680	753	742	719	654	677	669	716	632
Ill health, disability	376	456	440	361	415	464	407	417	410	367	379	351	420
Think cannot get a job	412	410	431	499	452	437	445	364	440	414	447	446	410
Other reasons ¹	404	431	401	473	450	427	449	403	462	431	425	473	484
Women													
Total not in labor force	42,619	42,320	42,204	42,365	42,423	42,166	42,130	42,076	42,056	42,180	42,035	41,781	41,621
Do not want a job now	38,788	38,428	38,425	38,563	38,583	38,425	38,455	38,488	38,478	38,742	39,103	38,428	38,225
Want a job now	3,819	3,904	3,865	3,848	3,779	3,804	3,744	3,553	3,518	3,429	3,356	3,433	3,367
Reason not looking:													
School attendance	685	725	717	749	685	726	774	652	673	609	718	697	646
Ill health, disability	469	409	466	408	439	442	431	432	439	466	415	399	491
Home responsibilities	1,380	1,297	1,200	1,357	1,240	1,326	1,265	1,237	1,193	1,209	1,128	1,145	1,177
Think cannot get a job	647	720	729	651	655	615	581	549	551	500	494	505	445
Other reasons ¹	638	752	753	684	760	695	693	682	663	645	601	688	609
White													
Total not in labor force	53,827	53,625	53,474	53,569	53,700	53,582	53,759	53,690	53,517	53,493	53,447	53,325	52,980
Do not want a job now	49,519	49,412	49,185	49,353	49,445	49,291	49,496	49,594	49,547	49,651	49,728	49,381	49,280
Want a job now	4,272	4,329	4,287	4,209	4,187	4,362	4,277	4,012	4,012	3,886	3,691	3,854	3,844
Reason not looking:													
School attendance	1,014	974	1,013	955	955	1,108	1,058	962	954	917	908	911	885
Ill health, disability	631	610	630	542	615	687	645	651	640	639	556	511	704
Home responsibilities	1,037	1,004	900	982	924	954	950	901	848	846	806	828	793
Think cannot get a job	712	758	827	801	745	718	679	611	670	596	600	676	570
Other reasons ¹	877	984	916	929	948	895	945	887	900	888	821	928	892
Black													
Total not in labor force	7,304	7,192	7,428	7,411	7,382	7,427	7,322	7,314	7,431	7,561	7,497	7,471	7,445
Do not want a job now	5,964	5,908	6,022	6,036	5,976	6,151	6,083	6,090	6,115	6,340	6,227	6,182	6,134
Want a job now	1,321	1,327	1,390	1,394	1,388	1,323	1,207	1,211	1,301	1,267	1,241	1,259	1,315
Reason not looking:													
School attendance	380	350	411	373	344	326	322	335	346	327	316	374	335
Ill health, disability	211	218	240	197	227	196	158	173	197	187	217	206	206
Home responsibilities	292	269	271	304	290	314	279	299	308	315	270	272	343
Think cannot get a job	306	307	271	297	327	314	294	244	264	276	290	210	253
Other reasons ¹	132	183	197	223	201	173	154	161	185	162	147	197	178

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Reason and sex	Total		Age							
	1988	1989	16 to 19 years		20 to 24 years		25 to 59 years		60 years and over	
			1988	1989	1988	1989	1988	1989	1988	1989
TOTAL										
Total not in labor force	64,087	63,698	7,268	7,124	4,186	4,180	21,248	20,794	31,385	31,602
Do not want a job now	58,441	58,250	6,030	5,947	3,404	3,397	18,165	17,908	30,846	30,994
Current activity:										
Going to school	8,012	8,035	5,341	5,275	1,762	1,744	895	998	14	17
Ill, disabled	4,329	4,550	46	38	136	127	2,140	2,392	2,007	1,992
Keeping house	25,277	24,544	317	298	1,114	1,136	12,220	11,572	11,626	11,539
Retired	16,798	17,089	-	-	-	-	442	444	16,356	16,644
Other activity	4,027	4,032	326	336	392	390	2,468	2,502	843	802
Want a job now	5,645	5,448	1,235	1,177	784	785	3,085	2,885	539	607
Reason for not looking:										
School attendance	1,518	1,465	1,018	956	241	265	253	242	6	4
Ill health, disability	800	859	12	17	46	53	589	640	152	150
Home responsibilities	1,176	1,158	70	69	212	235	851	807	42	48
Think cannot get a job	1,099	941	57	67	142	121	741	556	158	198
Job-market factors	738	623	27	33	107	83	533	403	72	103
Personal factors	361	318	31	34	35	38	207	153	87	95
Other reasons ¹	1,053	1,025	78	68	143	111	651	640	181	207
Men										
Total not in labor force	21,629	21,659	3,592	3,464	1,523	1,468	4,343	4,385	12,170	12,342
Do not want a job now	19,602	19,670	2,944	2,865	1,293	1,212	3,424	3,548	11,938	12,044
Current activity:										
Going to school	4,112	4,057	2,735	2,676	978	919	397	460	2	2
Ill, disabled	2,109	2,363	15	15	100	82	1,098	1,346	895	921
Keeping house	435	401	17	9	17	14	177	134	222	241
Retired	10,621	10,632	-	-	-	-	346	313	10,275	10,319
Other activity	2,325	2,217	177	165	198	197	1,406	1,295	544	561
Want a job now	2,026	1,989	645	600	229	255	919	838	231	298
Reason for not looking:										
School attendance	736	710	561	503	84	124	91	84	-	-
Ill health, disability	369	375	8	4	24	11	275	292	62	67
Think cannot get a job	488	453	33	47	73	58	314	231	67	117
Other reasons ¹	433	451	43	46	48	62	239	231	102	114
Women										
Total not in labor force	42,458	42,039	3,675	3,660	2,663	2,711	16,905	16,409	19,214	19,260
Do not want a job now	38,840	38,580	3,086	3,081	2,110	2,181	14,737	14,364	18,905	18,951
Current activity:										
Going to school	3,900	3,978	2,607	2,599	784	824	497	539	11	15
Ill, disabled	2,220	2,187	31	22	36	46	1,041	1,048	1,111	1,072
Keeping house	24,842	24,143	300	289	1,097	1,118	12,041	11,438	11,404	11,297
Retired	6,177	6,456	-	-	-	-	95	131	6,082	6,325
Other activity	1,702	1,815	148	171	193	193	1,063	1,208	297	242
Want a job now	3,618	3,459	590	578	552	530	2,168	2,045	307	308
Reason not looking:										
School attendance	782	756	456	453	157	142	161	158	6	4
Ill health, disability	431	484	4	13	22	42	315	346	90	83
Home responsibilities	1,176	1,158	70	69	212	235	851	807	42	48
Think cannot get a job	611	487	25	21	68	62	427	324	91	80
Other reasons ¹	620	574	35	22	93	49	414	410	78	93

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

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Reason, race, and Hispanic origin	Total		Age						Sex			
	1988	1989	16 to 24 years		25 to 59 years		60 years and over		Men		Women	
			1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
WHITE												
Total not in labor force	54,470	53,985	8,731	8,592	17,614	17,160	28,124	28,233	18,121	18,076	36,350	35,909
Do not want a job now	50,394	50,118	7,365	7,338	15,361	15,043	27,886	27,735	16,825	16,685	33,770	33,432
Current activity:												
Going to school	6,212	6,280	5,511	5,556	690	708	10	14	3,150	3,194	3,082	3,086
Ill, disabled	3,418	3,546	136	102	1,660	1,818	1,820	1,825	1,691	1,829	1,727	1,717
Keeping house	22,467	21,750	1,178	1,129	10,689	10,139	10,600	10,481	341	323	22,126	21,427
Retired	15,071	15,283	-	-	399	383	14,670	14,880	9,569	9,551	5,502	5,712
Other activity	3,227	3,278	538	551	1,923	1,995	766	735	1,874	1,788	1,353	1,490
Want a job now	4,077	3,867	1,365	1,251	2,256	2,117	457	499	1,496	1,390	2,580	2,477
Reason for not looking:												
School attendance	1,050	977	875	817	175	160	1	-	542	443	507	534
Ill health, disability	604	664	31	58	457	487	119	119	261	285	323	379
Home responsibilities	837	779	180	180	622	577	34	42	-	-	837	779
Think cannot get a job	756	630	119	94	498	368	138	166	346	316	410	313
Other reasons ¹	830	817	160	122	504	525	165	172	327	346	503	472
BLACK												
Total not in labor force	7,613	7,630	2,182	2,119	2,735	2,729	2,697	2,782	2,795	2,811	4,818	4,820
Do not want a job now	8,249	6,259	1,597	1,495	2,027	2,085	2,627	2,680	2,359	2,314	3,890	3,946
Current activity:												
Going to school	1,308	1,211	1,209	1,061	98	149	4	2	673	557	634	654
Ill, disabled	816	898	42	61	427	526	348	311	372	471	445	428
Keeping house	2,027	2,032	208	233	1,025	940	793	858	79	49	1,948	1,982
Retired	1,488	1,536	-	-	37	51	1,449	1,485	884	899	602	638
Other activity	612	582	138	140	440	419	33	24	351	338	261	244
Want a job now	1,365	1,371	585	624	708	645	75	102	437	497	928	875
Reason for not looking:												
School attendance	423	413	355	353	66	56	4	4	161	221	263	192
Ill health, disability	189	189	22	11	116	146	31	32	75	84	93	104
Home responsibilities	308	339	91	136	205	196	9	7	-	-	306	339
Think cannot get a job	283	254	67	80	203	147	13	28	110	98	173	157
Other reasons ¹	184	177	50	44	118	100	18	31	91	94	83	83
HISPANIC ORIGIN												
Total not in labor force	4,357	4,490	1,189	1,246	2,077	2,054	1,091	1,191	1,247	1,258	3,110	3,232
Do not want a job now	3,804	3,953	979	1,056	1,769	1,758	1,062	1,137	1,036	1,091	2,769	2,861
Current activity:												
Going to school	690	753	816	698	76	55	-	-	336	351	354	401
Ill, disabled	351	310	30	22	221	206	100	81	187	171	184	138
Keeping house	1,996	2,068	243	257	1,307	1,269	448	542	32	32	1,984	2,036
Retired	490	516	-	-	11	15	479	501	309	362	182	154
Other activity	277	306	90	79	154	213	35	13	172	175	105	132
Want a job now	552	537	212	189	311	294	27	54	212	167	341	370
Reason for not looking:												
School attendance	128	129	104	97	23	32	-	-	55	51	73	79
Ill health, disability	86	98	7	17	52	58	7	23	43	43	23	55
Home responsibilities	141	130	45	37	97	93	-	-	-	-	141	130
Think cannot get a job	136	90	25	14	102	55	9	21	64	41	73	48
Other reasons ¹	81	90	31	24	37	56	11	10	50	32	31	58

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

NOTE: Detail for the above race and Hispanic-origin groups will not

sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Reason and sex	1st Quarter 1989							
	Total	Age				Race and Hispanic origin		
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black	Hispanic origin
TOTAL								
Personal factors:								
Employers think too young or old	101	7	3	10	81	91	9	11
Lacks education or training	139	23	26	86	4	84	36	7
Other personal handicap	79	4	7	57	10	49	23	2
Job-market factors:								
Could not find work	324	27	48	210	39	176	139	41
Thinks no job available	299	6	35	193	64	229	47	30
Men								
Personal factors:								
Employers think too young or old	59	5	-	5	49	53	6	11
Lacks education or training	51	8	10	33	-	30	6	3
Other personal handicap	30	2	-	25	4	24	2	-
Job-market factors:								
Could not find work	171	26	27	102	17	106	62	19
Thinks no job available	142	5	21	68	47	103	21	9
Women								
Personal factors:								
Employers think too young or old	41	2	3	4	31	38	3	-
Lacks education or training	88	15	16	54	4	54	30	4
Other personal handicap	48	2	7	32	7	25	21	2
Job-market factors:								
Could not find work	153	1	21	109	22	70	77	22
Thinks no job available	157	1	14	124	17	126	26	21

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented

and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Work-seeking intentions, work history, and sex	Total		Age						Race			
	| 1988	| 1989	16 to 24 years		25 to 59 years		60 years and over		White		Black	
			| 1988	| 1989	| 1988	| 1989	| 1988	| 1989	| 1988	| 1989	| 1988	| 1989
TOTAL												
Do not intend to seek work	54,065	53,809	5,957	6,002	17,229	16,830	30,878	30,979	46,673	46,297	5,787	5,867
Intend to seek work in the next 12 months	10,021	9,888	5,497	5,302	4,018	3,964	508	623	7,796	7,687	1,826	1,763
Never worked	1,787	1,694	1,608	1,548	172	141	7	3	1,216	1,101	480	436
Last worked over 5 years ago	1,179	1,068	54	22	946	837	178	210	868	790	271	247
Last worked 1 to 5 years ago	2,108	2,016	662	591	1,284	1,269	163	156	1,643	1,545	388	402
Worked during previous 12 months	4,947	5,110	3,171	3,140	1,616	1,718	159	253	4,070	4,251	686	679
Men												
Do not intend to seek work	17,566	17,696	2,417	2,385	3,222	3,287	11,928	12,023	14,938	14,977	2,114	2,168
Intend to seek work in the next 12 months	4,062	3,962	2,699	2,548	1,122	1,097	242	318	3,182	3,099	681	643
Never worked	793	826	755	779	38	48	-	-	545	533	197	210
Last worked over 5 years ago	248	256	17	5	166	157	65	94	177	193	58	51
Last worked 1 to 5 years ago	723	613	269	225	356	312	98	77	571	474	119	111
Worked during previous 12 months	2,298	2,268	1,658	1,539	561	582	79	147	1,889	1,899	307	270
Women												
Do not intend to seek work	36,498	36,113	3,540	3,617	14,008	13,542	18,950	18,954	31,735	31,320	3,673	3,700
Intend to seek work in the next 12 months	5,959	5,925	2,798	2,754	2,897	2,867	264	305	4,614	4,588	1,145	1,120
Never worked	994	868	853	770	134	94	7	3	671	568	283	225
Last worked over 5 years ago	930	812	36	17	780	679	113	116	691	597	213	195
Last worked 1 to 5 years ago	1,386	1,403	394	366	926	958	65	80	1,072	1,071	270	291
Worked during previous 12 months	2,649	2,842	1,514	1,601	1,057	1,135	80	106	2,181	2,352	379	409

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, and age	Total		White		Black		Hispanic origin	
	1988	1989	1988	1989	1988	1989	1988	1989
TOTAL								
Civilian noninstitutional population	183,967	185,773	157,772	158,944	20,568	20,904	13,153	13,606
Civilian labor force	119,881	122,074	103,302	104,959	12,955	13,274	8,796	9,116
Percent of population	65.2	65.7	65.5	66.0	63.0	63.5	66.9	67.0
Employed	112,489	115,218	97,778	99,896	11,326	11,707	8,039	8,407
Agriculture	2,817	2,853	2,659	2,668	124	147	384	399
Nonagricultural industries	109,672	112,364	95,118	97,229	11,202	11,560	7,654	8,007
Unemployed	7,392	6,857	5,524	5,063	1,629	1,567	758	709
Unemployment rate	6.2	5.6	5.3	4.8	12.6	11.8	8.6	7.8
Not in labor force	64,087	63,698	54,470	53,985	7,613	7,630	4,357	4,490
Men, 16 years and over								
Civilian noninstitutional population	87,521	88,448	75,626	76,259	9,230	9,385	6,517	6,730
Civilian labor force	65,892	66,789	57,505	58,183	6,435	6,574	5,269	5,472
Percent of population	75.3	75.5	76.0	76.3	69.7	70.0	80.9	81.3
Employed	61,648	62,826	54,241	55,163	5,596	5,760	4,798	5,073
Agriculture	2,220	2,219	2,086	2,064	109	125	335	352
Nonagricultural industries	59,428	60,607	52,155	53,099	5,486	5,635	4,464	4,721
Unemployed	4,244	3,963	3,264	3,020	840	814	471	399
Unemployment rate	6.4	5.9	5.7	5.2	13.0	12.4	8.9	7.3
Not in labor force	21,629	21,659	18,121	18,076	2,795	2,810	1,247	1,258
Men, 20 years and over								
Civilian noninstitutional population	80,194	81,251	69,636	70,388	8,160	8,313	5,838	6,033
Civilian labor force	62,158	63,056	54,237	54,948	6,068	6,168	4,927	5,115
Percent of population	77.5	77.6	77.9	78.1	74.4	74.2	84.4	84.8
Employed	58,597	59,771	51,498	52,452	5,373	5,492	4,529	4,783
Agriculture	2,071	2,095	1,941	1,942	107	122	313	335
Nonagricultural industries	56,525	57,676	49,558	50,510	5,265	5,370	4,216	4,448
Unemployed	3,562	3,285	2,738	2,495	695	675	398	332
Unemployment rate	5.7	5.2	5.0	4.5	11.5	10.9	8.1	6.5
Not in labor force	18,036	18,195	15,399	15,440	2,092	2,145	911	918
Women, 16 years and over								
Civilian noninstitutional population	96,447	97,325	82,147	82,685	11,338	11,520	6,637	6,876
Civilian labor force	53,989	55,285	45,797	46,776	6,520	6,700	3,527	3,644
Percent of population	56.0	56.8	55.8	56.6	57.5	58.2	53.1	53.0
Employed	50,841	52,392	43,537	44,733	5,730	5,947	3,240	3,334
Agriculture	597	634	573	603	15	22	49	47
Nonagricultural industries	50,244	51,758	42,963	44,130	5,716	5,925	3,191	3,287
Unemployed	3,148	2,894	2,261	2,043	789	753	287	310
Unemployment rate	5.8	5.2	4.9	4.4	12.1	11.2	8.1	8.5
Not in labor force	42,458	42,039	36,350	35,909	4,818	4,820	3,110	3,232
Women, 20 years and over								
Civilian noninstitutional population	89,183	90,155	76,245	76,901	10,234	10,416	5,969	6,190
Civilian labor force	50,400	51,776	42,687	43,742	6,138	6,322	3,258	3,394
Percent of population	56.5	57.4	56.0	56.9	60.0	60.7	54.6	54.8
Employed	47,799	49,343	40,830	42,024	5,478	5,693	3,031	3,122
Agriculture	555	593	533	562	14	22	49	43
Nonagricultural industries	47,244	48,750	40,297	41,462	5,464	5,671	2,983	3,078
Unemployed	2,601	2,433	1,857	1,718	661	629	227	272
Unemployment rate	5.2	4.7	4.4	3.9	10.8	9.9	7.0	8.0
Not in labor force	38,783	38,379	33,558	33,158	4,096	4,094	2,711	2,796
Both sexes, 16 to 19 years								
Civilian noninstitutional population	14,590	14,367	11,891	11,655	2,174	2,175	1,347	1,384
Civilian labor force	7,322	7,243	6,378	6,269	749	784	611	607
Percent of population	50.2	50.4	53.6	53.8	34.5	36.0	45.4	43.9
Employed	6,093	6,104	5,449	5,420	475	521	478	502
Agriculture	191	166	185	164	3	2	23	21
Nonagricultural industries	5,902	5,938	5,264	5,256	473	519	455	481
Unemployed	1,230	1,139	929	849	273	263	134	105
Unemployment rate	16.8	15.7	14.6	13.5	36.5	33.5	21.9	17.3
Not in labor force	7,268	7,124	5,513	5,386	1,425	1,391	736	777

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

(Numbers in thousands)

Employment status, sex, and age	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	1988	1989	1988	1989	1988	1989	1988	1989
TOTAL								
Civilian noninstitutional population	13,153	13,606	7,839	8,065	1,594	1,575	853	931
Civilian labor force	8,796	9,116	5,372	55,545	873	882	573	588
Percent of population	66.9	67.0	68.5	68.8	54.8	56.0	67.2	63.2
Employed	8,039	8,407	4,838	5,078	796	805	548	551
Agriculture	384	399	349	364	4	1	7	7
Nonagricultural industries	7,654	8,007	4,489	4,714	791	804	541	543
Unemployed	758	709	534	467	77	76	25	37
Unemployment rate	8.6	7.8	9.9	8.4	8.8	8.7	4.4	6.3
Not in labor force	4,357	4,490	2,467	2,520	722	694	280	343
Men, 16 years and over								
Civilian noninstitutional population	6,517	6,730	4,052	4,148	705	701	427	446
Civilian labor force	5,269	5,472	3,346	3,435	503	516	338	353
Percent of population	80.9	81.3	82.6	82.8	71.3	73.6	79.2	79.1
Employed	4,798	5,073	3,010	3,177	460	467	321	330
Agriculture	335	352	308	328	4	1	6	4
Nonagricultural industries	4,464	4,721	2,702	2,848	456	466	315	326
Unemployed	471	399	336	259	44	49	17	23
Unemployment rate	8.9	7.3	10.0	7.5	8.7	9.5	5.0	6.4
Not in labor force	1,247	1,258	706	713	201	185	89	93
Men, 20 years and over								
Civilian noninstitutional population	5,838	6,033	3,593	3,682	632	627	400	417
Civilian labor force	4,927	5,115	3,106	3,190	475	479	328	342
Percent of population	84.4	84.8	86.4	86.6	75.2	76.4	82.0	82.0
Employed	4,529	4,783	2,825	2,978	439	438	312	320
Agriculture	313	335	288	314	4	1	6	4
Nonagricultural industries	4,216	4,448	2,537	2,664	435	436	307	317
Unemployed	398	332	281	212	36	41	16	22
Unemployment rate	8.1	6.5	9.0	6.6	7.6	8.6	4.9	6.4
Not in labor force	911	918	486	492	157	148	71	74
Women, 16 years and over								
Civilian noninstitutional population	6,637	6,876	3,787	3,916	889	874	426	485
Civilian labor force	3,527	3,644	2,026	2,110	369	366	235	235
Percent of population	53.1	53.0	53.5	53.9	41.5	41.9	55.2	48.5
Employed	3,240	3,334	1,828	1,901	336	338	227	220
Agriculture	49	47	40	36	-	-	1	3
Nonagricultural industries	3,191	3,287	1,787	1,866	336	338	226	218
Unemployed	287	310	198	208	33	27	8	14
Unemployment rate	8.1	8.5	9.8	9.9	9.0	7.5	3.5	6.1
Not in labor force	3,110	3,232	1,762	1,806	520	508	191	250
Women, 20 years and over								
Civilian noninstitutional population	5,969	6,190	3,357	3,450	798	782	406	458
Civilian labor force	3,258	3,394	1,846	1,921	341	343	225	227
Percent of population	54.6	54.8	55.0	55.7	42.7	43.9	55.4	49.6
Employed	3,031	3,122	1,693	1,737	315	322	219	213
Agriculture	49	43	40	32	-	-	1	3
Nonagricultural industries	2,983	3,078	1,653	1,705	315	322	218	210
Unemployed	227	272	153	183	26	21	6	14
Unemployment rate	7.0	8.0	8.3	9.5	7.7	6.1	2.7	6.1
Not in labor force	2,711	2,796	1,511	1,529	457	439	181	231
Both sexes, 16 to 19 years								
Civilian noninstitutional population	1,347	1,384	890	933	164	167	47	56
Civilian labor force	611	607	420	435	56	60	20	19
Percent of population	45.4	43.9	47.2	46.6	34.1	35.9	(²)	(²)
Employed	478	502	319	363	42	46	17	17
Agriculture	23	21	20	18	-	-	-	1
Nonagricultural industries	455	481	300	345	42	46	17	16
Unemployed	134	105	101	72	15	14	3	2
Unemployment rate	21.9	17.3	24.0	16.6	(²)	23.8	(²)	(²)
Not in labor force	736	777	469	498	108	107	27	37

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Category	Total		White		Black		Hispanic origin	
	1988	1989	1988	1989	1988	1989	1988	1989
CHARACTERISTIC								
Total (all civilian workers)	112,489	115,218	97,778	99,896	11,326	11,707	8,039	8,407
Men	61,648	62,826	54,241	55,163	5,596	5,760	4,798	5,073
Women	50,841	52,392	43,537	44,733	5,730	5,947	3,240	3,334
OCCUPATION								
Managerial and professional specialty	28,684	30,145	25,906	27,266	1,789	1,800	1,110	1,150
Executive, administrative, and managerial	13,733	14,624	12,552	13,370	768	808	547	599
Professional specialty	14,952	15,521	13,354	13,896	1,021	992	563	552
Technical, sales, and administrative support	35,290	35,411	31,031	31,073	3,158	3,227	2,055	2,056
Technicians and related support	3,448	3,596	2,985	3,096	304	332	136	163
Sales occupations	13,406	13,635	12,194	12,411	797	833	741	790
Administrative support, including clerical	18,436	18,180	15,853	15,566	2,057	2,062	1,179	1,103
Service occupations	15,066	15,471	11,927	12,268	2,629	2,648	1,467	1,636
Private household	872	895	653	651	203	221	141	143
Protective service	1,888	1,954	1,555	1,600	298	317	117	101
Service, except private household and protective	12,306	12,623	9,719	10,017	2,128	2,111	1,208	1,393
Precision production, craft, and repair	13,291	13,566	12,018	12,154	993	1,078	1,111	1,162
Mechanics and repairers	4,455	4,607	4,098	4,165	264	340	320	346
Construction trades	4,771	4,780	4,329	4,338	372	361	391	410
Other precision production, craft, and repair	4,064	4,179	3,591	3,651	356	376	399	406
Operators, fabricators, and laborers	17,241	17,726	14,189	14,476	2,595	2,765	1,859	1,987
Machine operators, assemblers, and inspectors	7,946	8,259	6,512	6,728	1,160	1,225	1,026	1,103
Transportation and material moving occupations	4,671	4,713	3,900	3,931	698	710	355	313
Handlers, equipment cleaners, helpers, and laborers	4,624	4,755	3,777	3,816	738	830	478	571
Construction laborers	674	684	549	538	113	134	95	134
Other handlers, equipment cleaners, helpers, and laborers	3,950	4,071	3,228	3,278	625	696	383	437
Farming, forestry, and fishing	2,917	2,898	2,707	2,658	162	189	437	414
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,414	1,451	1,286	1,293	106	134	338	347
Self-employed workers	1,303	1,290	1,276	1,264	18	13	40	51
Unpaid family workers	100	113	98	110			5	1
Nonagricultural industries:								
Wage and salary workers	101,307	103,649	87,387	89,143	10,831	11,193	7,249	7,512
Government	17,226	17,593	14,004	14,243	2,647	2,747	1,042	948
Private industries	84,080	86,055	73,383	74,899	8,184	8,446	6,208	6,565
Private households	1,081	1,085	802	794	260	261	168	161
Other industries	82,999	84,970	72,580	74,105	7,924	8,185	6,040	6,403
Self-employed workers	8,132	8,419	7,516	7,812	365	358	385	473
Unpaid family workers	233	296	215	274	6	10	19	22
FULL- AND PART-TIME STATUS¹								
Full-time schedules	90,629	92,850	78,535	80,176	9,354	9,704	6,611	7,023
Part time for economic reasons	5,300	4,972	4,322	4,098	818	756	627	587
Part time for noneconomic reasons	16,559	17,395	14,921	15,622	1,154	1,247	801	796

¹ Employed persons with a job but not at work are distributed according to whether they usually work full or part time.
NOTE: Detail for the above race and Hispanic-origin groups will not

sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Category	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	1988	1989	1988	1989	1988	1989	1988	1989
CHARACTERISTIC								
Total (all civilian workers)	8,039	8,407	4,838	5,078	796	805	548	551
Men	4,798	5,073	3,010	3,177	460	467	321	330
Women	3,240	3,334	1,828	1,901	336	338	227	220
OCCUPATION								
Managerial and professional specialty	1,110	1,150	519	536	130	132	123	133
Executive, administrative, and managerial	547	599	253	280	68	57	72	76
Professional specialty	563	552	266	256	62	75	51	57
Technical, sales, and administrative support	2,055	2,056	1,093	1,125	238	243	193	182
Technicians and related support	136	163	72	76	9	23	14	16
Sales occupations	741	790	384	440	61	67	77	92
Administrative support, including clerical	1,179	1,103	637	608	168	153	103	74
Service occupations	1,467	1,636	881	981	130	143	62	72
Private household	141	143	75	57	2	2	4	2
Protective service	117	101	74	60	10	25	7	6
Service, except private household and protective	1,208	1,393	733	864	118	117	50	64
Precision production, craft, and repair	1,111	1,162	727	743	103	125	59	55
Mechanics and repairers	320	346	200	195	43	54	18	23
Construction trades	391	410	269	265	24	41	25	19
Other precision production, craft, and repair	399	406	259	283	36	30	17	13
Operators, fabricators, and laborers	1,859	1,987	1,224	1,316	189	161	106	104
Machine operators, assemblers, and inspectors	1,026	1,103	660	722	98	94	61	56
Transportation and material moving occupations	355	313	229	192	42	25	22	22
Handlers, equipment cleaners, helpers, and laborers	478	571	335	402	49	42	23	26
Construction laborers	95	134	78	99	6	3	1	4
Other handlers, equipment cleaners, helpers, and laborers	383	437	257	303	44	38	22	22
Farming, forestry, and fishing	437	414	394	377	5	1	5	5
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	338	347	313	318	3	2	5	6
Self-employed workers	40	51	32	46	1	-	2	2
Unpaid family workers	5	1	3	1				
Nonagricultural industries:								
Wage and salary workers	7,249	7,512	4,279	4,464	762	779	487	470
Government	1,042	948	672	588	119	119	50	49
Private industries	6,208	6,565	3,605	3,876	643	660	437	421
Private households	168	161	93	64	2	2	4	3
Other industries	6,040	6,403	3,512	3,812	641	658	433	418
Self-employed workers	385	473	197	233	29	24	52	71
Unpaid family workers	19	22	15	16	-	1	2	1
FULL- AND PART-TIME STATUS²								
Full-time schedules	6,611	7,023	3,881	4,185	689	706	483	473
Part time for economic reasons	627	587	483	401	36	37	13	26
Part time for noneconomic reasons	801	796	474	492	71	63	52	51

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Sex and age	Total		White		Black		Hispanic origin	
	1988	1989	1988	1989	1988	1989	1988	1989
Total, 16 years and over	112,489	115,218	97,778	99,896	11,326	11,707	8,039	8,407
16 to 19 years	6,093	6,104	5,449	5,420	475	521	478	502
16 to 17 years	2,382	2,252	2,144	2,002	173	184	141	137
18 to 19 years	3,711	3,852	3,305	3,418	303	337	336	365
20 to 24 years	13,012	12,715	11,251	10,892	1,419	1,456	1,298	1,230
25 years and over	93,384	96,399	81,077	83,584	9,432	9,730	6,264	6,674
25 to 54 years	78,925	81,653	68,207	70,431	8,157	8,500	5,570	5,975
55 years and over	14,459	14,746	12,870	13,153	1,276	1,230	694	699
Men, 16 years and over	61,648	62,826	54,241	55,163	5,596	5,760	4,798	5,073
16 to 19 years	3,052	3,055	2,743	2,711	223	267	269	290
16 to 17 years	1,198	1,104	1,067	986	95	94	79	74
18 to 19 years	1,854	1,951	1,676	1,725	128	174	190	216
20 to 24 years	6,688	6,645	5,807	5,691	710	754	748	771
25 years and over	51,909	53,126	45,691	46,761	4,663	4,739	3,782	4,013
25 to 54 years	43,496	44,664	38,115	39,103	4,005	4,129	3,370	3,577
55 years and over	8,414	8,462	7,576	7,659	659	610	412	435
Women, 16 years and over	50,841	52,392	43,537	44,733	5,730	5,947	3,240	3,334
16 to 19 years	3,041	3,049	2,706	2,709	253	254	209	212
16 to 17 years	1,184	1,147	1,077	1,016	78	90	62	62
18 to 19 years	1,858	1,902	1,630	1,693	175	164	146	150
20 to 24 years	6,325	6,070	5,444	5,201	709	702	549	459
25 years and over	41,474	43,273	35,386	36,823	4,769	4,991	2,482	2,664
25 to 54 years	35,429	36,989	30,092	31,328	4,152	4,371	2,200	2,398
55 years and over	6,045	6,283	5,294	5,494	617	620	282	266

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

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

(Civilian workers)

Sex and age	Total		White		Black		Hispanic origin	
	1988	1989	1988	1989	1988	1989	1988	1989
Total, 16 years and over	6.2	5.6	5.3	4.8	12.6	11.8	8.6	7.8
16 to 19 years	16.8	15.7	14.6	13.5	36.5	33.5	21.9	17.3
16 to 17 years	18.5	17.8	16.7	15.8	35.5	35.3	24.9	21.0
18 to 19 years	15.6	14.5	13.1	12.2	37.0	32.5	20.5	15.9
20 to 24 years	9.7	9.1	8.1	7.8	20.7	17.8	11.0	11.5
25 years and over	4.8	4.4	4.3	3.8	9.5	9.2	6.9	6.3
25 to 54 years	5.1	4.6	4.4	3.9	10.0	9.7	7.1	6.4
55 years and over	3.6	3.2	3.3	3.0	5.5	6.0	5.7	5.3
Men, 16 years and over	6.4	5.9	5.7	5.2	13.0	12.4	8.9	7.3
16 to 19 years	18.3	18.2	16.1	16.2	39.3	34.1	21.4	18.9
16 to 17 years	19.8	20.1	18.6	18.3	31.0	35.2	24.2	22.7
18 to 19 years	17.3	17.1	14.4	15.0	44.3	33.6	20.2	17.5
20 to 24 years	10.8	9.7	9.1	8.5	22.2	17.5	10.9	10.3
25 years and over	5.0	4.6	4.5	4.0	9.6	9.8	7.5	5.7
25 to 54 years	5.2	4.8	4.6	4.2	10.1	10.2	7.6	5.8
55 years and over	4.1	3.6	3.8	3.3	6.1	7.1	6.6	5.2
Women, 16 years and over	5.8	5.2	4.9	4.4	12.1	11.2	8.1	8.5
16 to 19 years	15.2	13.1	13.0	10.7	33.8	32.9	22.5	15.1
16 to 17 years	17.2	15.5	14.6	13.2	40.2	35.3	25.9	18.9
18 to 19 years	14.0	11.6	11.9	9.1	30.4	31.4	20.9	13.3
20 to 24 years	8.6	8.5	7.1	6.9	19.2	18.1	11.1	13.4
25 years and over	4.6	4.1	3.9	3.5	9.4	8.7	6.0	7.1
25 to 54 years	4.9	4.4	4.1	3.7	10.0	9.2	6.2	7.2
55 years and over	2.9	2.8	2.6	2.5	4.8	4.9	4.4	5.4

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Weeks of unemployment	Total		White		Black		Hispanic origin	
	1988	1989	1988	1989	1988	1989	1988	1989
DURATION								
Total, 16 years and over	7,392	6,857	5,524	5,063	1,629	1,567	758	709
Less than 5 weeks	3,042	3,113	2,331	2,312	612	691	331	369
5 to 14 weeks	2,444	2,220	1,818	1,679	548	477	246	212
15 weeks and over	1,906	1,524	1,375	1,073	469	399	181	129
15 to 26 weeks	996	812	746	587	217	195	110	80
27 weeks and over	910	712	630	485	252	204	71	48
Average (mean) duration, in weeks	14.1	12.5	13.5	11.9	16.3	14.3	12.1	10.5
Median duration, in weeks	7.0	6.0	6.7	5.9	8.2	6.6	6.4	4.8
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	41.2	45.4	42.2	45.7	37.6	44.1	43.7	52.0
5 to 14 weeks	33.1	32.4	32.9	33.2	33.6	30.5	32.5	29.9
15 weeks and over	25.8	22.2	24.9	21.2	28.8	25.4	23.9	18.1
15 to 26 weeks	13.5	11.8	13.5	11.6	13.3	12.4	14.5	11.3
27 weeks and over	12.3	10.4	11.4	9.6	15.5	13.0	9.4	6.8

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

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

(Numbers in thousands)

Reasons for unemployment	Total		White		Black		Hispanic origin	
	1988	1989	1988	1989	1988	1989	1988	1989
NUMBER OF UNEMPLOYED								
Total, 16 years and over	7,392	6,857	5,524	5,063	1,629	1,567	758	709
Job losers	3,672	3,420	2,817	2,598	759	724	401	370
On layoff	1,179	1,083	994	911	161	156	91	75
Other job losers	2,493	2,337	1,823	1,687	598	568	310	295
Job leavers	1,044	974	821	763	191	172	88	94
Reentrants	1,899	1,795	1,370	1,267	454	461	178	154
New entrants	777	667	517	437	224	209	91	91
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	49.7	49.9	51.0	51.3	46.6	46.2	52.9	52.2
On layoff	15.9	15.8	18.0	18.0	9.9	10.0	12.0	10.6
Other job losers	33.7	34.1	33.0	33.3	36.7	36.3	40.9	41.7
Job leavers	14.1	14.2	14.9	15.1	11.8	11.0	11.7	13.3
Reentrants	25.7	26.2	24.8	25.0	27.9	29.4	23.4	21.7
New entrants	10.5	9.7	9.4	8.6	13.8	13.3	12.0	12.8
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	3.1	2.8	2.7	2.5	5.9	5.5	4.6	4.1
Job leavers .....	.9	.8	.8	.7	1.5	1.3	1.0	1.0
Reentrants	1.6	1.5	1.3	1.2	3.5	3.5	2.0	1.7
New entrants .....	.6	.5	.5	.4	1.7	1.6	1.0	1.0

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	| 1988	| 1989	Total		Employed		Unemployed			
			| 1988	| 1989	| 1988	| 1989	Number		Percent of labor force	
							| 1988	| 1989	| 1988	| 1989
VIETNAM-ERA VETERANS										
Total, 30 years and over	7,876	7,915	7,240	7,231	6,872	6,946	368	285	5.1	3.9
30 to 44 years	6,032	5,664	5,728	5,369	5,419	5,146	309	223	5.4	4.2
30 to 34 years	780	564	735	515	678	495	57	20	7.7	3.9
35 to 39 years	2,329	1,905	2,220	1,816	2,079	1,719	141	97	6.4	5.3
40 to 44 years	2,923	3,195	2,773	3,038	2,662	2,932	112	106	4.0	3.5
45 years and over	1,844	2,251	1,512	1,862	1,453	1,800	59	62	3.9	3.3
NONVETERANS										
Total, 30 to 44 years	20,065	21,079	18,855	19,882	17,924	18,985	931	896	4.9	4.5
30 to 34 years	8,991	9,257	8,499	8,761	8,023	8,362	476	399	5.6	4.6
35 to 39 years	6,636	7,203	6,232	6,803	5,944	6,498	289	305	4.6	4.5
40 to 44 years	4,438	4,619	4,124	4,318	3,957	4,125	167	193	4.0	4.5

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

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

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

(Numbers in thousands)

Employment status and age	Veterans						Nonveterans					
	White		Black		Hispanic origin		White		Black		Hispanic origin	
	| 1988	| 1989	| 1988	| 1989	| 1988	| 1989	| 1988	| 1989	| 1988	| 1989	| 1988	| 1989
TOTAL, 30 to 44 years												
Civilian noninstitutional population	5,370	5,051	565	524	291	241	17,239	18,065	2,028	2,151	1,768	1,883
Civilian labor force	5,140	4,818	496	467	265	216	16,371	17,219	1,771	1,897	1,641	1,786
Employed	4,881	4,637	460	431	241	206	15,669	16,563	1,584	1,691	1,529	1,699
Unemployed	258	180	36	36	24	10	702	655	187	206	112	86
Unemployment rate	5.0	3.7	7.3	7.7	9.2	4.8	4.3	3.8	10.6	10.9	6.8	4.8
30 to 34 years												
Civilian noninstitutional population	677	468	88	86	57	48	7,751	7,953	937	974	779	851
Civilian labor force	640	436	79	71	49	42	7,396	7,608	831	867	731	809
Employed	597	420	71	67	43	41	7,037	7,326	734	761	684	783
Unemployed	43	15	8	4	7	1	359	282	97	106	46	26
Unemployment rate	6.8	3.5	10.2	5.8	(¹)	(¹)	4.9	3.7	11.7	12.3	6.4	3.2
35 to 39 years												
Civilian noninstitutional population	2,061	1,711	225	160	132	80	5,647	6,145	673	728	565	604
Civilian labor force	1,988	1,638	193	146	123	69	5,350	5,853	597	655	511	575
Employed	1,859	1,561	184	129	109	64	5,146	5,635	530	585	470	552
Unemployed	128	77	9	17	14	5	204	218	67	70	41	23
Unemployment rate	6.4	4.7	4.8	11.4	11.5	7.3	3.8	3.7	11.3	10.6	8.1	4.0
40 to 44 years												
Civilian noninstitutional population	2,633	2,871	252	279	102	113	3,841	3,967	419	449	425	428
Civilian labor force	2,512	2,744	224	249	93	105	3,625	3,758	343	375	399	402
Employed	2,425	2,656	205	234	90	101	3,486	3,602	320	345	375	364
Unemployed	87	88	19	15	4	4	139	155	22	30	24	37
Unemployment rate	3.5	3.2	8.5	6.0	3.8	3.8	3.8	4.1	6.5	8.0	6.0	9.3

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

NOTE: Male Vietnam-era veterans are those who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who never served in the Armed Forces; published data are limited to those 30 to 44 years of age, the group that most closely corresponds to

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Type of family, race, and Hispanic origin	1988					1989				
	Total families	With unemployment:				Total families	With unemployment:			
		Total	Percent of families:				Total	Percent of families:		
			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL										
Total families	64,246	5,452	28.7	71.3	61.4	64,899	5,067	29.3	70.7	61.4
With children under 18 years of age	31,531	3,190	32.1	67.9	58.7	31,466	2,856	32.4	67.6	58.7
Married-couple families	50,707	3,802	19.6	80.4	70.5	51,023	3,440	19.3	80.7	71.0
With children under 18 years of age	23,959	2,266	19.5	80.5	71.0	23,856	1,991	18.5	81.5	71.8
Families maintained by women	10,714	1,307	52.4	47.6	37.7	10,992	1,286	52.2	47.8	39.6
With children under 18 years of age	6,467	788	62.4	37.6	28.4	6,522	748	65.6	34.4	27.6
Families maintained by men	2,824	343	40.4	59.6	51.8	2,883	341	43.7	56.3	47.2
With children under 18 years of age	1,104	136	65.4	34.6	30.1	1,088	117	56.4	43.6	35.0
White										
Total families	55,332	4,140	25.4	74.6	64.9	55,693	3,806	25.4	74.6	65.1
With children under 18 years of age	26,339	2,396	27.9	72.1	63.0	26,169	2,106	27.3	72.7	63.3
Married-couple families	45,791	3,179	19.3	80.7	71.1	46,010	2,870	19.2	80.8	71.3
With children under 18 years of age	21,246	1,876	19.5	80.5	71.4	21,134	1,637	18.4	81.6	72.0
Families maintained by women	7,303	719	47.3	52.7	41.9	7,448	711	46.6	53.4	44.3
With children under 18 years of age	4,207	412	57.3	42.7	32.5	4,199	391	60.6	39.4	32.0
Families maintained by men	2,239	242	40.5	59.5	52.5	2,235	225	36.9	63.1	52.9
With children under 18 years of age	886	108	63.0	37.0	32.4	836	78	47.4	52.6	41.0
Black										
Total families	7,101	1,131	41.0	59.0	48.4	7,289	1,097	42.9	57.1	48.5
With children under 18 years of age	4,158	685	46.7	53.3	43.9	4,158	649	48.8	51.2	43.9
Married-couple families	3,487	481	19.8	80.2	68.0	3,508	443	18.9	81.1	70.3
With children under 18 years of age	1,868	298	18.5	81.5	70.5	1,794	271	17.6	82.4	73.2
Families maintained by women	3,145	560	59.0	41.0	31.9	3,247	550	59.5	40.5	33.3
With children under 18 years of age	2,105	361	68.1	31.9	23.5	2,135	340	70.9	29.1	22.9
Families maintained by men	468	89	41.6	58.4	47.2	534	103	58.3	41.7	35.0
With children under 18 years of age	185	26	(¹)	(¹)	(¹)	230	37	(¹)	(¹)	(¹)
Hispanic origin										
Total families	4,483	558	31.8	68.2	56.2	4,718	514	28.6	71.4	61.3
With children under 18 years of age	2,901	360	34.9	65.1	53.5	2,990	340	30.4	69.6	60.2
Married-couple families	3,111	404	25.2	74.8	62.0	3,221	350	23.4	76.6	68.0
With children under 18 years of age	2,033	276	26.1	73.9	61.6	2,092	251	22.3	77.7	67.3
Families maintained by women	1,068	123	48.0	52.0	39.8	1,141	131	42.7	57.3	42.7
With children under 18 years of age	755	69	59.4	40.6	29.0	785	79	54.4	45.6	38.0
Families maintained by men	304	30	(¹)	(¹)	(¹)	356	33	(¹)	(¹)	(¹)
With children under 18 years of age	113	15	(¹)	(¹)	(¹)	113	10	(¹)	(¹)	(¹)

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

NOTE: Detail for the above race and Hispanic-origin groups will not

sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1988				1989			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL								
Total unemployed in families ¹	5,990	30.7	69.3	59.5	5,526	31.0	69.0	59.6
Husbands	1,533	37.5	62.5	48.7	1,369	35.4	64.6	49.7
With children under 18 years of age	936	42.0	58.0	44.1	841	39.3	60.7	44.3
Wives	1,152	16.1	83.9	75.2	1,018	16.5	83.5	76.2
With children under 18 years of age	758	13.8	86.2	77.9	630	14.1	85.9	79.7
Relatives in married-couple families	1,473	11.2	88.8	82.1	1,337	10.9	89.1	83.1
Women who maintain families	559	81.6	18.4	12.2	559	82.8	17.2	11.7
With children under 18 years of age	461	89.2	10.8	5.7	448	93.3	6.7	3.1
Relatives in families maintained by women	909	33.6	66.4	54.0	868	32.3	67.7	56.8
Men who maintain families	167	64.9	35.1	26.4	165	67.0	33.0	19.2
With children under 18 years of age	91	92.8	7.2	2.2	72	82.4	17.6	5.2
Relatives in families maintained by men	196	22.4	77.6	69.6	210	29.3	70.7	65.0
White								
Total unemployed in families ¹	4,454	27.7	72.3	62.6	4,078	27.4	72.6	62.9
Husbands	1,291	37.4	62.6	48.1	1,155	35.9	64.1	49.1
With children under 18 years of age	765	43.0	57.0	42.1	687	40.0	60.0	42.9
Wives	950	15.0	85.0	77.6	841	16.1	83.9	76.9
With children under 18 years of age	624	12.0	88.0	81.0	511	13.4	86.6	80.2
Relatives in married-couple families	1,194	10.7	89.3	82.7	1,082	10.4	89.6	83.8
Women who maintain families	287	76.7	23.3	15.6	297	79.0	21.0	14.1
With children under 18 years of age	227	86.3	13.7	7.1	228	91.2	8.8	3.7
Relatives in families maintained by women	476	31.2	68.8	56.9	458	26.6	73.4	61.7
Men who maintain families	119	66.3	33.7	24.1	108	60.6	39.4	22.3
With children under 18 years of age	68	83.9	6.1	1.5	44	74.2	25.8	6.7
Relatives in families maintained by men	136	22.4	77.6	71.8	137	24.7	75.3	69.0
Black								
Total unemployed in families ¹	1,335	41.4	58.6	48.5	1,269	42.6	57.4	48.9
Husbands	178	37.5	62.5	52.0	162	31.8	68.2	53.2
With children under 18 years of age	125	36.0	64.0	54.1	113	32.8	67.2	52.1
Wives	154	23.5	76.5	59.9	141	17.8	82.2	71.8
With children under 18 years of age	107	25.0	75.0	60.3	94	15.1	84.9	79.5
Relatives in married-couple families	230	12.3	87.7	81.1	207	13.2	86.8	81.0
Women who maintain families	262	86.9	13.1	8.6	249	86.9	13.1	9.3
With children under 18 years of age	227	91.9	8.1	4.6	209	95.3	4.7	2.4
Relatives in families maintained by women	417	36.7	63.3	50.1	395	38.9	61.1	50.8
Men who maintain families	41	(²)	(²)	(²)	51	(²)	(²)	(²)
With children under 18 years of age	20	(²)	(²)	(²)	26	(²)	(²)	(²)
Relatives in families maintained by men	52	(²)	(²)	(²)	63	39.3	60.7	56.1
Hispanic origin								
Total unemployed in families ¹	628	33.4	66.6	54.9	583	30.2	69.8	59.1
Husbands	185	46.6	53.4	36.7	132	46.2	53.8	40.7
With children under 18 years of age	135	49.0	51.0	33.2	105	48.6	51.4	36.2
Wives	108	18.7	81.3	71.5	121	19.2	80.8	71.2
With children under 18 years of age	77	15.8	84.2	71.9	88	16.3	83.7	74.1
Relatives in married-couple families	165	13.1	86.9	78.3	147	13.7	86.3	81.9
Women who maintain families	48	(²)	(²)	(²)	58	(²)	(²)	(²)
With children under 18 years of age	36	(²)	(²)	(²)	48	(²)	(²)	(²)
Relatives in families maintained by women	90	33.7	66.3	52.6	88	19.8	80.2	58.6
Men who maintain families	19	(²)	(²)	(²)	13	(²)	(²)	(²)
With children under 18 years of age	13	(²)	(²)	(²)	6	(²)	(²)	(²)
Relatives in families maintained by men	13	(²)	(²)	(²)	24	(²)	(²)	(²)

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. Estimates for husbands, wives, and women who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns

used in aggregating the data.

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1988				1989			
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed person in family	With another employed person in family	With another person in family employed full time		With no other employed person in family	With another employed person in family	With another person in family employed full time
TOTAL								
Total employed in families ¹	91,109	23.2	76.8	65.1	92,606	22.6	77.4	65.7
Husbands	38,161	30.2	69.8	51.1	38,461	28.9	71.1	52.1
With children under 18 years of age	21,936	31.8	68.2	46.2	21,948	30.8	69.2	46.9
Wives	27,499	9.3	90.7	85.4	28,397	9.1	90.9	85.8
With children under 18 years of age	14,817	5.5	94.5	90.3	15,165	5.2	94.8	91.0
Relatives in married-couple families	11,323	7.4	92.6	87.9	11,080	7.0	93.0	88.9
Women who maintain families	6,045	63.1	36.9	24.7	6,283	63.6	36.4	23.6
With children under 18 years of age	3,944	79.6	20.4	9.0	4,027	80.2	19.8	8.7
Relatives in families maintained by women	4,575	23.8	76.2	66.9	4,689	23.7	76.3	65.9
Men who maintain families	1,958	53.9	46.1	35.1	2,059	52.3	47.7	35.7
With children under 18 years of age	881	80.7	19.3	10.2	903	79.0	21.0	11.5
Relatives in families maintained by men	1,549	18.0	82.0	73.6	1,637	17.6	82.4	76.0
White								
Total employed in families ¹	79,572	22.6	77.4	65.3	80,604	21.9	78.1	65.9
Husbands	34,547	30.6	69.4	49.9	34,758	29.3	70.7	50.9
With children under 18 years of age	19,651	32.4	67.6	44.4	19,622	31.5	68.5	45.2
Wives	24,489	8.9	91.1	85.9	25,319	8.6	91.4	86.2
With children under 18 years of age	12,984	4.9	95.1	91.0	13,333	4.6	95.4	91.4
Relatives in married-couple families	10,007	7.3	92.7	88.2	9,753	6.9	93.1	89.0
Women who maintain families	4,315	60.5	39.5	25.6	4,441	61.1	38.9	24.5
With children under 18 years of age	2,776	77.7	22.3	8.9	2,786	78.7	21.3	8.6
Relatives in families maintained by women	3,371	24.4	75.6	66.1	3,422	24.0	76.0	65.7
Men who maintain families	1,593	52.9	47.1	35.5	1,630	51.4	48.6	35.6
With children under 18 years of age	724	80.1	19.9	10.2	711	77.4	22.6	12.5
Relatives in families maintained by men	1,250	17.0	83.0	74.6	1,282	17.4	82.6	76.6
Black								
Total employed in families ¹	8,707	29.4	70.6	62.2	8,980	29.6	70.4	61.8
Husbands	2,520	24.5	75.5	64.5	2,532	23.8	76.2	64.2
With children under 18 years of age	1,596	23.5	76.5	64.7	1,537	23.0	77.0	64.3
Wives	2,116	13.4	86.6	81.1	2,111	13.4	86.6	81.8
With children under 18 years of age	1,287	10.1	89.9	85.1	1,228	9.8	90.2	86.5
Relatives in married-couple families	903	9.2	90.8	83.6	890	7.7	92.3	87.0
Women who maintain families	1,579	70.3	29.7	21.7	1,686	70.0	30.0	21.1
With children under 18 years of age	1,080	84.4	15.6	9.0	1,145	83.5	16.5	9.0
Relatives in families maintained by women	1,084	22.3	77.7	68.4	1,146	23.4	76.6	66.2
Men who maintain families	283	60.2	39.8	31.6	354	58.2	41.8	33.7
With children under 18 years of age	132	85.4	14.6	8.2	177	84.7	15.3	7.8
Relatives in families maintained by men	223	25.4	74.6	64.8	260	20.1	79.9	71.3
Hispanic origin								
Total employed in families ¹	6,344	25.8	74.2	64.7	6,745	25.9	74.1	64.2
Husbands	2,481	37.0	63.0	49.7	2,630	37.5	62.5	47.3
With children under 18 years of age	1,763	39.7	60.3	46.3	1,889	39.9	60.1	44.0
Wives	1,616	8.7	91.3	85.8	1,666	8.1	91.9	86.5
With children under 18 years of age	1,050	7.9	92.1	87.2	1,126	5.4	94.6	89.0
Relatives in married-couple families	888	7.1	92.9	87.5	823	5.9	94.1	88.0
Women who maintain families	502	59.6	40.4	27.7	582	62.1	37.9	30.1
With children under 18 years of age	341	74.5	25.5	13.1	392	75.5	24.5	17.7
Relatives in families maintained by women	444	21.5	78.5	70.4	488	16.2	83.8	74.3
Men who maintain families	231	48.8	51.2	43.2	285	38.7	61.3	53.7
With children under 18 years of age	85	84.5	15.5	14.4	94	69.8	30.2	24.7
Relatives in families maintained by men	181	5.4	94.6	87.5	272	9.2	90.8	85.7

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. Estimates for husbands, wives, and women who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns

used in aggregating the data.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

Type of family, number of earners, race, and Hispanic origin	Number of families		Median weekly earnings	
	1988	1989	1988	1989
TOTAL				
Total families with earners ¹	42,930	43,317	\$580	\$605
Married-couple families	33,953	33,877	648	678
One earner	12,695	12,419	409	420
Husband	9,627	9,283	480	494
Wife	2,364	2,443	236	265
Other family member	704	693	211	225
Two or more earners	21,259	21,458	790	824
Husband and wife	18,709	19,043	805	842
Husband and other family member(s)	1,793	1,699	753	768
Wife and other family member(s)	599	560	470	499
Other family members only	158	156	474	589
Families maintained by women	7,023	7,362	323	344
One earner	4,832	5,016	260	272
Householder	3,784	3,969	267	278
Other family member	1,048	1,046	233	242
Two or more earners	2,190	2,347	534	567
Families maintained by men	1,954	2,078	468	482
One earner	1,195	1,207	375	347
Two or more earners	759	870	654	672
White				
Total families with earners ¹	36,748	36,968	597	626
Married-couple families	30,211	30,167	655	687
One earner	11,450	11,111	420	436
Husband	8,829	8,434	487	503
Wife	2,000	2,088	244	270
Two or more earners	18,761	19,056	797	831
Husband and wife	16,531	16,933	812	847
Families maintained by women	5,015	5,200	337	355
Families maintained by men	1,523	1,601	483	490
Black				
Total families with earners ¹	4,884	5,027	421	438
Married-couple families	2,701	2,624	575	572
One earner	867	890	268	297
Husband	525	560	318	347
Wife	280	280	196	223
Two or more earners	1,834	1,734	701	740
Husband and wife	1,615	1,526	723	771
Families maintained by women	1,837	2,011	289	308
Families maintained by men	346	392	393	454
Hispanic origin				
Total families with earners ¹	3,308	3,485	432	456
Married-couple families	2,434	2,548	477	489
One earner	1,022	1,029	301	303
Husband	834	872	320	320
Wife	123	104	218	218
Two or more earners	1,412	1,519	639	641
Husband and wife	1,186	1,210	658	666
Families maintained by women	658	674	297	338
Families maintained by men	216	262	438	427

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

Type of family and relationship of unemployed members to wage and salary earners	Number of families		Median weekly earnings	
	I 1988	I 1989	I 1988	I 1989
Married-couple families ¹	2,670	2,449	\$411	\$429
Husband unemployed	916	869	257	294
Wife only earner	130	150	440	480
Wife and other earner(s)	66	55	(²)	(²)
Other earner(s) only	66	55	(²)	(²)
Wife unemployed	884	722	420	434
Husband only earner	747	616	403	415
Husband and other earner(s)	112	85	681	(²)
Other earner(s) only	25	21	(²)	(²)
Other member(s) unemployed	869	857	662	674
Husband or wife earner	338	347	495	484
Both husband and wife earners	491	469	820	864
Other combinations of earners	40	41	(²)	(²)
Families maintained by women ¹	520	573	306	296
Householder unemployed	81	106	(²)	288
Other member(s) unemployed	440	467	329	298
Families maintained by men ¹	197	175	424	381

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

in the Armed Forces.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

Characteristic	Number of workers (in thousands)		Median weekly earnings	
	1988	1989	1988	1989
SEX AND AGE				
Total, 16 years and over	80,178	82,276	\$385	\$397
Men, 16 years and over	46,606	47,524	450	468
16 to 24 years	5,916	6,023	263	273
25 years and over	40,690	41,501	483	497
Women, 16 years and over	33,572	34,752	312	326
16 to 24 years	5,132	4,767	240	250
25 years and over	28,440	29,986	329	346
FAMILY RELATIONSHIP				
Husbands	30,871	31,018	494	510
Wives	17,517	17,943	319	339
Women who maintain families	4,760	5,030	310	321
Men who maintain families	1,480	1,668	424	422
Other persons in families:				
Men	5,589	5,837	273	287
Women	4,224	4,299	253	257
All other men ¹	8,662	8,987	416	427
All other women ¹	7,075	7,494	339	362
RACE, HISPANIC ORIGIN, AND SEX				
White	68,661	70,176	394	407
Men	40,667	41,246	464	481
Women	27,993	28,930	317	332
Black	9,106	9,482	310	318
Men	4,626	4,886	356	354
Women	4,480	4,596	279	293
Hispanic origin	6,212	6,587	297	297
Men	3,909	4,167	316	312
Women	2,303	2,420	267	269

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in families where the husband, wife, or other person maintaining the family is in the Armed Forces and persons in unrelated subfamilies.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY DATA**

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

Characteristic	Number of workers (in thousands)		Median weekly earnings	
	I 1988	I 1989	I 1988	I 1989
SEX AND AGE				
Total, 16 years and over	19,402	19,375	\$103	\$108
Men, 16 years and over	6,050	6,007	98	101
16 to 24 years	3,472	3,339	81	84
25 years and over	2,578	2,668	130	125
Women, 16 years and over	13,352	13,368	106	112
16 to 24 years	4,069	4,150	75	76
25 years and over	9,283	9,218	121	134
FAMILY RELATIONSHIP				
Husbands	1,593	1,584	134	125
Wives	7,024	7,041	124	137
Women who maintain families	973	1,027	111	117
Men who maintain families	143	125	118	121
Other persons in families:				
Men	3,261	3,236	79	82
Women	3,516	3,488	71	71
All other men ¹	1,053	1,062	116	124
All other women ¹	1,839	1,812	107	117
RACE, HISPANIC ORIGIN, AND SEX				
White	17,016	17,067	103	109
Men	5,118	5,190	96	101
Women	11,898	11,877	106	114
Black	1,781	1,786	101	101
Men	667	584	104	101
Women	1,114	1,202	100	100
Hispanic origin	1,252	1,164	106	119
Men	498	437	109	116
Women	753	726	103	121

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in families where the husband, wife, or other person maintaining the family is in the Armed Forces and persons in unrelated subfamilies.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

Occupation and sex	Number of workers (in thousands)		Median weekly earnings	
	1988	1989	1988	1989
TOTAL				
Managerial and professional specialty	21,293	22,386	\$546	\$575
Executive, administrative, and managerial	10,311	11,005	548	564
Professional specialty	10,982	11,381	544	581
Technical, sales, and administrative support	24,409	24,289	345	356
Technicians and related support	2,812	2,975	445	480
Sales occupations	7,414	7,513	384	389
Administrative support, including clerical	14,184	13,801	318	327
Service occupations	8,433	8,491	251	250
Private household	289	344	142	182
Protective service	1,677	1,562	440	446
Service, except private household and protective	6,468	6,585	229	231
Precision production, craft, and repair	11,001	11,145	428	447
Mechanics and repairers	3,735	3,925	435	450
Construction trades	3,568	3,421	420	444
Other precision production, craft, and repair	3,699	3,799	429	448
Operators, fabricators, and laborers	13,942	14,777	310	319
Machine operators, assemblers, and inspectors	7,009	7,470	295	305
Transportation and material moving occupations	3,693	3,838	385	397
Handlers, equipment cleaners, helpers, and laborers	3,239	3,469	277	280
Farming, forestry, and fishing	1,099	1,189	233	240
Men				
Managerial and professional specialty	11,795	12,125	659	675
Executive, administrative, and managerial	6,070	6,324	671	670
Professional specialty	5,725	5,801	649	678
Technical, sales, and administrative support	9,194	9,109	466	482
Technicians and related support	1,529	1,645	511	543
Sales occupations	4,470	4,467	479	484
Administrative support, including clerical	3,196	2,996	419	435
Service occupations	4,252	4,086	315	305
Private household	6	11	(¹)	(¹)
Protective service	1,519	1,389	446	458
Service, except private household and protective	2,727	2,686	277	266
Precision production, craft, and repair	10,129	10,142	442	467
Mechanics and repairers	3,615	3,777	435	452
Construction trades	3,495	3,369	421	448
Other precision production, craft, and repair	3,019	2,997	478	494
Operators, fabricators, and laborers	10,269	11,025	351	361
Machine operators, assemblers, and inspectors	4,116	4,525	362	369
Transportation and material moving occupations	3,443	3,584	394	403
Handlers, equipment cleaners, helpers, and laborers	2,710	2,915	286	294
Farming, forestry, and fishing	967	1,037	240	249
Women				
Managerial and professional specialty	9,499	10,261	456	487
Executive, administrative, and managerial	4,242	4,681	430	456
Professional specialty	5,257	5,580	471	505
Technical, sales, and administrative support	15,215	15,180	303	314
Technicians and related support	1,283	1,330	374	394
Sales occupations	2,944	3,046	262	281
Administrative support, including clerical	10,988	10,804	303	313
Service occupations	4,181	4,405	207	213
Private household	283	334	141	179
Protective service	158	172	378	386
Service, except private household and protective	3,740	3,899	208	214
Precision production, craft, and repair	872	1,003	304	302
Mechanics and repairers	119	149	445	366
Construction trades	73	52	(¹)	(¹)
Other precision production, craft, and repair	680	802	273	293
Operators, fabricators, and laborers	3,673	3,752	233	241
Machine operators, assemblers, and inspectors	2,893	2,944	228	240
Transportation and material moving occupations	250	253	287	317
Handlers, equipment cleaners, helpers, and laborers	529	554	240	217
Farming, forestry, and fishing	132	152	194	203

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, age, race, and Hispanic origin	Total United States		Metropolitan areas					
	1988	1989	Total		Central cities		Suburbs	
			1988	1989	1988	1989	1988	1989
TOTAL								
Civilian noninstitutional population	183,967	185,773	143,445	144,861	57,151	57,294	86,295	87,568
Civilian labor force	119,881	122,074	95,061	96,633	36,663	36,961	58,398	59,672
Percent of population	65.2	65.7	66.3	66.7	64.2	64.5	67.7	68.1
Employed	112,489	115,218	89,492	91,411	34,026	34,412	55,466	56,999
Unemployed	7,392	6,857	5,569	5,223	2,637	2,550	2,932	2,673
Unemployment rate	6.2	5.6	5.9	5.4	7.2	6.9	5.0	4.5
Not in labor force	64,087	63,698	48,384	48,228	20,487	20,332	27,896	27,896
Men, 20 years and over								
Civilian noninstitutional population	80,194	81,251	62,457	63,329	24,666	24,593	37,791	38,737
Civilian labor force	62,158	63,056	49,085	49,804	18,788	18,663	30,296	31,141
Percent of population	77.5	77.6	78.6	78.6	76.2	75.9	80.2	80.4
Employed	58,597	59,771	46,434	47,331	17,534	17,464	28,900	29,868
Unemployed	3,562	3,285	2,651	2,472	1,254	1,199	1,397	1,273
Unemployment rate	5.7	5.2	5.4	5.0	6.7	6.4	4.6	4.1
Not in labor force	18,036	18,195	13,373	13,526	5,877	5,930	7,495	7,596
Women, 20 years and over								
Civilian noninstitutional population	89,183	90,155	69,609	70,332	28,251	28,508	41,358	41,824
Civilian labor force	50,400	51,776	40,163	41,125	15,881	16,285	24,282	24,841
Percent of population	56.5	57.4	57.7	58.5	56.2	57.1	58.7	59.4
Employed	47,799	49,343	38,197	39,252	14,909	15,319	23,289	23,933
Unemployed	2,601	2,433	1,965	1,873	973	966	993	907
Unemployment rate	5.2	4.7	4.9	4.6	6.1	5.9	4.1	3.7
Not in labor force	38,783	38,379	29,446	29,206	12,370	12,223	17,077	16,983
Both sexes, 16 to 19 years								
Civilian noninstitutional population	14,590	14,367	11,379	11,200	4,234	4,193	7,145	7,007
Civilian labor force	7,322	7,243	5,814	5,704	1,994	2,014	3,820	3,690
Percent of population	50.2	50.4	51.1	50.9	47.1	48.0	53.5	52.7
Employed	6,093	6,104	4,861	4,827	1,583	1,629	3,278	3,198
Unemployed	1,230	1,139	953	877	410	385	543	492
Unemployment rate	16.8	15.7	16.4	15.4	20.6	19.1	14.2	13.3
Not in labor force	7,268	7,124	5,565	5,495	2,240	2,179	3,325	3,317
White								
Civilian noninstitutional population	157,772	158,944	121,487	122,342	42,815	42,987	78,672	79,356
Civilian labor force	103,302	104,959	80,858	82,007	27,763	28,105	53,095	53,902
Percent of population	65.5	66.0	66.6	67.0	64.8	65.4	67.5	67.9
Employed	97,778	99,896	76,819	78,253	26,208	26,593	50,611	51,659
Unemployed	5,524	5,063	4,039	3,754	1,555	1,512	2,484	2,242
Unemployment rate	5.3	4.8	5.0	4.6	5.6	5.4	4.7	4.2
Not in labor force	54,470	53,985	40,629	40,336	15,052	14,882	25,577	25,454
Black								
Civilian noninstitutional population	20,568	20,904	17,058	17,361	11,879	11,824	5,179	5,537
Civilian labor force	12,955	13,274	10,979	11,211	7,323	7,255	3,656	3,956
Percent of population	63.0	63.5	64.4	64.6	61.6	61.4	70.6	71.5
Employed	11,326	11,707	9,639	9,918	6,349	6,312	3,291	3,606
Unemployed	1,629	1,567	1,340	1,293	974	942	366	350
Unemployment rate	12.6	11.8	12.2	11.5	13.3	13.0	10.0	8.9
Not in labor force	7,613	7,630	6,079	6,150	4,556	4,570	1,523	1,581
Hispanic origin								
Civilian noninstitutional population	13,153	13,606	12,267	12,557	7,040	7,286	5,227	5,272
Civilian labor force	8,796	9,116	8,219	8,411	4,524	4,757	3,695	3,654
Percent of population	66.9	67.0	67.0	67.0	64.3	65.3	70.7	69.3
Employed	8,039	8,407	7,545	7,770	4,132	4,373	3,413	3,397
Unemployed	758	709	674	641	393	384	282	257
Unemployment rate	8.6	7.8	8.2	7.6	8.7	8.1	7.6	7.0
Not in labor force	4,357	4,490	4,048	4,146	2,516	2,528	1,532	1,618

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, age, race, and Hispanic origin	Nonmetropolitan areas						Urban areas		Rural areas	
	Total		Farm		Nonfarm		1988	1989	1988	1989
	1988	1989	1988	1989	1988	1989				
TOTAL										
Civilian noninstitutional population	40,522	40,912	2,807	2,675	37,715	38,236	135,468	136,249	48,499	49,524
Civilian labor force	24,819	25,441	1,920	1,837	22,899	23,604	88,889	89,858	30,992	32,216
Percent of population	61.2	62.2	68.4	68.7	60.7	61.7	65.6	66.0	63.9	65.1
Employed	22,996	23,807	1,873	1,800	21,123	22,007	83,389	84,745	29,100	30,472
Unemployed	1,823	1,634	47	37	1,776	1,597	5,500	5,113	1,892	1,744
Unemployment rate	7.3	6.4	2.4	2.0	7.8	6.8	6.2	5.7	6.1	5.4
Not in labor force	15,703	15,470	887	838	14,816	14,632	46,579	46,391	17,507	17,307
Men, 20 years and over										
Civilian noninstitutional population	17,728	17,908	1,346	1,294	16,383	16,614	58,444	59,055	21,742	22,183
Civilian labor force	13,067	13,242	1,129	1,084	11,938	12,158	45,499	45,930	16,653	17,115
Percent of population	73.7	73.9	83.9	83.7	72.9	73.2	77.9	77.8	76.6	77.2
Employed	12,156	12,430	1,110	1,066	11,046	11,364	42,889	43,525	15,701	16,236
Unemployed	911	812	19	18	892	794	2,610	2,405	952	880
Unemployment rate	7.0	6.1	1.7	1.7	7.5	6.5	5.7	5.2	5.7	5.1
Not in labor force	4,661	4,666	216	210	4,445	4,456	12,945	13,124	5,089	5,088
Women, 20 years and over										
Civilian noninstitutional population	19,582	19,838	1,227	1,176	18,355	18,660	66,547	66,910	22,645	23,258
Civilian labor force	10,243	10,680	871	849	9,372	10,012	38,085	38,722	12,321	13,064
Percent of population	52.3	53.7	54.7	55.2	52.2	53.7	57.2	57.9	54.4	56.2
Employed	9,608	10,101	653	639	8,955	9,481	36,107	36,862	11,699	12,491
Unemployed	635	580	18	9	618	551	1,979	1,860	622	573
Unemployment rate	6.2	5.3	2.8	1.4	6.5	5.5	5.2	4.8	5.0	4.4
Not in labor force	9,339	9,176	556	527	8,783	8,648	28,462	28,188	10,324	10,194
Both sexes, 16 to 19 years										
Civilian noninstitutional population	3,211	3,167	234	205	2,977	2,962	10,477	10,284	4,113	4,063
Civilian labor force	1,509	1,539	120	104	1,388	1,434	5,304	5,205	2,018	2,037
Percent of population	47.0	48.6	51.2	51.0	46.8	48.4	50.6	50.8	49.1	49.9
Employed	1,232	1,277	110	95	1,122	1,182	4,392	4,358	1,700	1,748
Unemployed	277	262	10	10	267	252	912	848	318	291
Unemployment rate	18.3	17.0	8.3	9.2	19.2	17.6	17.2	18.3	15.7	14.3
Not in labor force	1,703	1,629	114	100	1,589	1,528	5,173	5,078	2,095	2,046
White										
Civilian noninstitutional population	36,286	36,602	2,741	2,629	33,545	33,973	112,764	113,206	44,989	45,736
Civilian labor force	22,444	22,953	1,861	1,810	20,563	21,143	74,371	75,032	28,931	29,927
Percent of population	61.9	62.7	68.6	68.8	61.3	62.2	65.9	66.3	64.3	65.4
Employed	20,959	21,643	1,836	1,774	19,121	19,869	70,489	71,469	27,289	28,427
Unemployed	1,486	1,309	43	36	1,442	1,273	3,883	3,563	1,642	1,500
Unemployment rate	6.8	5.7	2.3	2.0	7.0	6.0	5.2	4.7	5.7	5.0
Not in labor force	13,642	13,649	860	819	12,982	12,830	38,412	38,176	16,058	15,809
Black										
Civilian noninstitutional population	3,510	3,543	58	32	3,452	3,511	17,717	17,679	2,851	3,025
Civilian labor force	1,975	2,063	35	20	1,941	2,043	11,266	11,434	1,688	1,839
Percent of population	56.3	56.2	(¹)	(¹)	58.2	58.2	63.6	64.0	59.2	60.8
Employed	1,687	1,789	32	19	1,655	1,770	9,846	10,062	1,480	1,645
Unemployed	289	274	3	1	286	273	1,420	1,372	208	195
Unemployment rate	14.6	13.3	(¹)	(¹)	14.7	13.4	12.6	12.0	12.3	10.6
Not in labor force	1,534	1,480	23	12	1,511	1,468	6,450	6,445	1,163	1,185
Hispanic origin										
Civilian noninstitutional population	886	1,049	35	55	851	994	12,103	12,415	1,051	1,192
Civilian labor force	577	705	24	33	554	672	8,086	8,347	710	769
Percent of population	65.1	67.2	(¹)	(¹)	65.0	67.6	66.8	67.2	67.6	64.5
Employed	493	636	22	32	472	604	7,403	7,715	636	691
Unemployed	84	68	2	1	82	68	683	632	74	78
Unemployment rate	14.5	9.7	(¹)	(¹)	14.8	10.1	8.5	7.6	10.5	10.1
Not in labor force	309	344	11	22	298	322	4,016	4,067	341	423

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

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. These data are based on 1980 census designations and are not comparable to data published through the first quarter of 1964.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, race, and Hispanic origin	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
TOTAL												
Civilian noninstitutional population	27,377	27,573	156,590	158,200	18,079	18,232	125,366	126,629	9,298	9,341	31,224	31,571
Civilian labor force	15,361	15,598	104,520	106,477	10,115	10,232	84,946	86,401	5,246	5,366	19,574	20,076
Percent of population	56.1	56.6	66.7	67.3	55.9	56.1	67.8	68.2	56.4	57.4	62.7	63.6
Employed	13,557	13,965	98,931	101,253	8,822	9,078	80,671	82,332	4,735	4,886	18,261	18,921
Unemployed	1,803	1,633	5,589	5,224	1,293	1,154	4,276	4,069	510	479	1,313	1,155
Unemployment rate	11.7	10.5	5.3	4.9	12.8	11.3	5.0	4.7	9.7	8.9	6.7	5.8
Men, 20 years and over	10.9	9.9	5.0	4.5	12.0	10.9	4.6	4.3	8.9	8.2	6.4	5.6
Women, 20 years and over	10.2	8.8	4.4	4.1	10.9	9.4	4.2	4.0	8.6	7.7	5.6	4.6
Both sexes, 16 to 19 years	29.1	26.3	14.9	14.1	30.1	27.1	14.6	13.9	26.7	24.6	16.4	15.0
Men	31.2	26.8	16.2	16.7	33.5	27.8	15.9	16.6	26.2	24.8	17.1	17.4
Women	26.7	25.6	13.7	11.3	26.4	26.2	13.2	11.1	27.3	24.3	15.6	12.5
Not in labor force	12,017	11,976	52,070	51,723	7,964	8,000	40,420	40,227	4,053	3,975	11,650	11,495
White												
Civilian noninstitutional population	16,626	16,633	141,146	142,311	9,833	9,803	111,654	112,540	6,793	6,830	29,493	29,772
Civilian labor force	9,573	9,678	93,729	95,281	5,648	5,669	75,209	76,337	3,925	4,009	18,520	18,944
Percent of population	57.6	58.2	66.4	67.0	57.4	57.8	67.4	67.8	57.8	58.7	62.8	63.6
Employed	8,724	8,908	89,054	90,988	5,097	5,172	71,722	73,081	3,627	3,736	17,332	17,907
Unemployed	850	770	4,675	4,293	551	497	3,487	3,257	298	272	1,187	1,037
Unemployment rate	8.9	8.0	5.0	4.5	9.8	8.8	4.6	4.3	7.6	6.8	6.4	5.5
Men, 20 years and over	8.3	7.5	4.7	4.2	9.3	8.6	4.3	3.9	6.8	6.0	6.3	5.4
Women, 20 years and over	7.5	6.8	4.1	3.7	8.2	7.4	3.8	3.5	6.4	6.0	5.2	4.3
Both sexes, 16 to 19 years	22.6	18.8	13.7	13.0	22.0	18.4	13.3	12.6	23.5	19.5	15.3	14.3
Men	23.3	20.7	15.3	15.7	23.2	18.4	15.0	15.4	23.4	24.1	16.1	16.9
Women	21.7	16.4	12.2	10.1	20.7	18.2	11.6	9.8	23.7	13.3	14.4	11.5
Not in labor force	7,053	6,955	47,417	47,030	4,185	4,133	36,444	36,202	2,868	2,821	10,973	10,828
Black												
Civilian noninstitutional population	9,784	9,834	10,784	11,070	7,581	7,625	9,477	9,736	2,203	2,210	1,307	1,333
Civilian labor force	5,270	5,346	7,684	7,928	4,102	4,129	6,877	7,082	1,168	1,217	807	846
Percent of population	53.9	54.4	71.3	71.6	54.1	54.2	72.6	72.7	53.0	55.1	61.7	63.5
Employed	4,387	4,547	6,939	7,160	3,402	3,515	6,237	6,403	985	1,032	702	757
Unemployed	883	799	746	768	700	614	640	678	184	185	105	89
Unemployment rate	16.8	14.9	9.7	9.7	17.1	14.9	9.3	9.6	15.7	15.2	13.0	10.5
Men, 20 years and over	16.2	14.9	8.4	8.4	16.5	14.9	8.2	8.3	15.2	14.8	9.7	9.2
Women, 20 years and over	14.1	11.7	8.4	8.7	14.2	11.6	7.9	8.6	13.7	12.1	12.2	9.9
Both sexes, 16 to 19 years	41.4	40.9	32.6	28.1	41.5	41.2	31.2	27.8	(¹)	40.2	(¹)	(¹)
Men	47.0	39.8	32.6	29.9	49.2	43.4	30.1	30.0	(¹)	(¹)	(¹)	(¹)
Women	35.3	42.1	32.6	26.2	33.8	38.6	32.1	25.5	(¹)	(¹)	(¹)	(¹)
Not in labor force	4,514	4,489	3,100	3,142	3,479	3,495	2,600	2,655	1,034	993	500	487
Hispanic origin												
Civilian noninstitutional population	4,437	4,613	8,716	8,993	4,103	4,230	8,164	8,327	334	383	552	666
Civilian labor force	2,586	2,715	6,210	6,401	2,383	2,474	5,836	5,937	203	241	374	464
Percent of population	58.3	58.8	71.3	71.2	58.1	58.5	71.5	71.3	60.7	62.8	67.8	69.7
Employed	2,274	2,439	5,765	5,967	2,099	2,224	5,446	5,547	175	215	319	421
Unemployed	312	276	446	434	284	250	390	391	28	25	55	43
Unemployment rate	12.1	10.2	7.2	6.8	11.9	10.1	6.7	6.6	14.0	10.6	14.8	9.3
Men, 20 years and over	11.5	8.7	6.6	5.5	11.2	8.7	6.0	5.4	15.5	9.1	15.8	7.4
Women, 20 years and over	10.0	11.2	5.8	6.8	10.4	11.2	5.5	6.5	6.1	12.0	10.7	9.4
Both sexes, 16 to 19 years	24.8	16.2	20.3	17.9	24.1	16.1	19.6	17.3	(¹)	(¹)	(¹)	(¹)
Men	22.9	16.4	20.5	20.1	19.9	15.8	19.9	20.1	(¹)	(¹)	(¹)	(¹)
Women	27.5	15.9	20.1	14.6	30.2	16.4	19.3	13.3	(¹)	(¹)	(¹)	(¹)
Not in labor force	1,851	1,898	2,506	2,592	1,720	1,756	2,328	2,390	131	142	178	202

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

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

**ESTABLISHMENT DATA
HISTORICAL EMPLOYMENT**

B-1. Employees on nonagricultural payrolls by major industry, 1937 to date

(In thousands)

Year and month	Total	Total private	Goods-producing				Service-producing						Government		
			Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Federal	State	Local
Annual averages															
1937	31,011	27,255	12,936	1,015	1,127	10,794	18,075	3,134	(1)	(1)	1,417	3,503	(1)	(1)	(1)
1938	29,194	25,311	11,401	891	1,070	9,440	17,793	2,863	(1)	(1)	1,410	3,458	(1)	(1)	(1)
1939	30,603	26,608	12,297	854	1,165	10,278	18,306	2,936	1,762	4,664	1,447	3,502	905	(1)	(1)
1940	32,361	28,159	13,221	925	1,311	10,985	19,140	3,038	1,835	4,914	1,485	3,665	996	(1)	(1)
1941	36,539	31,877	15,963	957	1,814	13,192	20,574	3,274	1,960	5,251	1,525	3,905	1,340	(1)	(1)
1942	40,106	34,624	18,470	992	2,198	15,280	21,636	3,460	1,906	5,212	1,509	4,066	2,213	(1)	(1)
1943	42,434	36,356	20,114	925	1,587	17,602	22,320	3,647	1,822	5,160	1,481	4,130	2,905	(1)	(1)
1944	41,864	35,822	19,328	892	1,108	17,328	22,536	3,829	1,845	5,214	1,461	4,145	2,928	(1)	(1)
1945	40,374	34,431	17,507	836	1,147	15,524	22,867	3,906	1,949	5,365	1,481	4,222	2,808	(1)	(1)
1946	41,652	36,056	17,248	862	1,683	14,703	24,404	4,061	2,291	6,084	1,675	4,697	2,254	(1)	(1)
1947	43,857	38,382	18,509	955	2,009	15,545	25,348	4,166	2,471	6,485	1,728	5,025	1,892	(1)	(1)
1948	44,866	39,216	18,774	994	2,198	15,582	26,092	4,189	2,605	6,667	1,800	5,181	1,863	(1)	(1)
1949	43,754	37,897	17,565	930	2,194	14,441	26,189	4,001	2,602	6,662	1,828	5,240	1,908	(1)	(1)
1950	45,197	39,170	18,506	901	2,364	15,241	26,691	4,034	2,635	6,751	1,888	5,357	1,928	(1)	(1)
1951	47,819	41,430	19,959	929	2,637	16,393	27,860	4,226	2,727	7,015	1,956	5,547	2,302	(1)	(1)
1952	48,793	42,185	20,198	898	2,668	16,632	28,595	4,248	2,812	7,192	2,035	5,699	2,420	(1)	(1)
1953	50,202	43,556	21,074	866	2,659	17,549	29,128	4,290	2,854	7,393	2,111	5,835	2,305	(1)	(1)
1954	48,990	42,238	19,751	791	2,646	16,314	29,239	4,084	2,867	7,368	2,200	5,969	2,188	(1)	(1)
1955	50,641	43,727	20,513	792	2,839	16,882	30,128	4,141	2,926	7,610	2,298	6,240	2,187	1,168	3,558
1956	52,369	45,091	21,104	822	3,039	17,243	31,266	4,244	3,018	7,840	2,389	6,497	2,209	1,250	3,819
1957	52,853	45,239	20,964	828	2,962	17,174	31,889	4,241	3,028	7,858	2,438	6,708	2,217	1,328	4,071
1958	51,324	43,483	19,513	751	2,817	15,945	31,811	3,976	2,980	7,770	2,481	6,765	2,191	1,415	4,232
1959 ^p	53,268	45,186	20,411	732	3,004	16,675	32,857	4,011	3,082	8,045	2,549	7,087	2,233	1,484	4,366
1960	54,189	45,836	20,434	712	2,926	16,796	33,755	4,004	3,143	8,248	2,629	7,378	2,270	1,536	4,547
1961	53,999	45,404	19,857	672	2,859	16,326	34,142	3,903	3,133	8,204	2,688	7,620	2,279	1,607	4,708
1962	55,549	46,660	20,451	650	2,948	16,853	35,098	3,906	3,198	8,368	2,754	7,982	2,340	1,668	4,881
1963	56,653	47,429	20,640	635	3,010	16,995	36,013	3,903	3,248	8,530	2,830	8,277	2,358	1,747	5,121
1964	58,283	48,686	21,005	634	3,097	17,274	37,278	3,951	3,337	8,823	2,911	8,660	2,348	1,856	5,392
1965	60,765	50,689	21,926	632	3,232	18,062	38,839	4,036	3,466	9,250	2,977	9,036	2,378	1,996	5,700
1966	63,901	53,116	23,158	627	3,317	19,214	40,743	4,158	3,597	9,648	3,058	9,498	2,564	2,141	6,080
1967	65,803	54,513	23,308	613	3,248	19,447	42,495	4,268	3,689	9,917	3,185	10,045	2,719	2,302	6,371
1968	67,897	56,058	23,737	606	3,350	19,781	44,160	4,318	3,779	10,320	3,337	10,567	2,737	2,442	6,660
1969	70,384	58,189	24,361	619	3,575	20,167	46,023	4,442	3,907	10,798	3,512	11,169	2,758	2,533	6,904
1970	70,880	58,325	23,578	623	3,588	19,367	47,302	4,515	3,993	11,047	3,645	11,548	2,731	2,664	7,158
1971	71,214	58,331	22,935	609	3,704	18,623	48,278	4,476	4,001	11,351	3,772	11,797	2,696	2,747	7,437
1972	73,675	60,341	23,668	628	3,889	19,151	50,007	4,541	4,113	11,836	3,908	12,276	2,684	2,859	7,790
1973	76,790	63,058	24,893	642	4,097	20,154	51,897	4,656	4,277	12,329	4,046	12,857	2,663	2,923	8,146
1974	78,265	64,095	24,794	697	4,020	20,077	53,471	4,725	4,433	12,554	4,148	13,441	2,724	3,039	8,407
1975	76,945	62,259	22,600	752	3,525	18,323	54,345	4,542	4,415	12,645	4,165	13,892	2,748	3,179	8,758
1976	79,782	64,511	23,352	779	3,576	18,997	56,030	4,582	4,546	13,209	4,271	14,551	2,733	3,273	8,865
1977	82,471	67,344	24,346	813	3,851	19,682	58,125	4,713	4,708	13,808	4,467	15,303	2,727	3,377	9,023
1978	86,637	71,026	25,585	851	4,229	20,505	61,113	4,923	4,969	14,573	4,724	16,252	2,753	3,474	9,446
1979	89,623	73,876	26,461	958	4,463	21,040	63,963	5,136	5,204	14,989	4,975	17,112	2,773	3,541	9,633
1980	90,406	74,166	25,658	1,027	4,346	20,285	64,748	5,146	5,275	15,035	5,160	17,890	2,866	3,610	9,765
1981	91,156	75,126	25,497	1,139	4,188	20,170	65,659	5,165	5,358	15,189	5,298	18,619	2,772	3,640	9,619
1982	89,566	73,729	23,813	1,128	3,905	18,781	65,753	5,082	5,278	15,179	5,341	19,036	2,739	3,640	9,458
1983	90,200	74,330	23,334	952	3,948	18,434	66,866	4,954	5,268	15,613	5,468	19,694	2,774	3,662	9,434
1984	94,496	78,472	24,727	966	4,383	19,378	69,769	5,159	5,555	16,545	5,689	20,797	2,807	3,734	9,482
1985	97,519	81,125	24,859	927	4,673	19,260	72,660	5,238	5,717	17,356	5,955	22,000	2,875	3,832	9,687
1986	99,525	82,832	24,558	777	4,816	18,965	74,967	5,255	5,753	17,930	6,283	23,053	2,899	3,893	9,901
1987	102,310	85,295	24,784	721	4,998	19,065	77,525	5,385	5,872	18,509	6,549	24,196	2,943	3,963	10,109
1988	106,039	88,653	25,565	733	5,293	19,539	80,475	5,584	6,156	19,206	6,679	25,464	2,971	4,051	10,365
Monthly data, seasonally adjusted															
1988:															
March	105,020	87,700	25,330	733	5,192	19,405	79,690	5,530	6,061	19,050	6,651	25,078	2,970	4,031	10,319
April	105,281	87,973	25,435	737	5,238	19,460	79,846	5,543	6,089	19,093	6,650	25,163	2,963	4,041	10,304
May	105,489	88,139	25,466	739	5,237	19,490	80,023	5,556	6,115	19,130	6,656	25,216	2,957	4,050	10,343
June	106,057	88,678	25,592	740	5,308	19,544	80,465	5,582	6,148	19,205	6,679	25,472	2,951	4,049	10,379
July	106,271	88,941	25,663	740	5,330	19,593	80,608	5,598	6,174	19,261	6,684	25,561	2,951	4,059	10,320
August	106,425	89,066	25,639	739	5,340	19,560	80,786	5,605	6,192	19,279	6,689	25,662	2,956	4,070	10,333
September	106,737	89,205	25,648	734	5,365	19,549	81,089	5,618	6,219	19,291	6,692	25,737	2,989	4,086	10,457
October	106,973	89,481	25,743	729	5,366	19,648	81,230	5,631	6,246	19,327	6,708	25,826	2,989	4,070	10,433
November	107,419	89,855	25,849	722	5,413	19,714	81,570	5,658	6,275	19,401	6,725	25,947	2,989	4,074	10,501
December	107,641	90,100	25,889	719	5,430	19,740	81,752	5,670	6,301	19,429	6,741	26,070	2,990	4,071	10,480
1989:															
January	108,065	90,506	26,048	718	5,537	19,793	82,017	5,692	6,332	19,556	6,733	26,145	2,981	4,063	10,515
February ^p	108,345	90,718	26,014	717	5,515	19,782	82,331	5,706	6,360	19,615	6,755	26,268	2,987	4,079	10,561
March ^p	108,525	90,895	25,988	722	5,466	19,800	82,537	5,697	6,385	19,691	6,758	26,376	2,984	4,082	10,564

¹ Not available.

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

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1987 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1987) and all seasonally adjusted data (beginning January 1984) are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Total		103,373	104,161	106,531	106,942	107,621	-	-	-	-	-
Total private		85,844	86,490	88,979	89,034	89,633	69,239	69,797	71,741	71,772	72,313
Mining		720	723	712	706	713	516	519	510	505	511
Metal mining	10	46.6	47.1	52.6	52.9	-	35.7	36.3	41.2	41.4	-
Iron ores	101	6.7	6.9	7.6	7.3	-	5.2	5.5	6.2	5.9	-
Copper ores	102	14.4	14.4	14.7	14.8	-	11.3	11.3	11.4	11.5	-
Coal mining	11,12	158.9	155.4	150.1	147.9	-	130.0	127.1	122.8	121.2	-
Bituminous coal and lignite mining	12	156.9	153.5	148.1	145.9	-	128.3	125.4	121.1	119.5	-
Oil and gas extraction	13	413.9	414.7	404.4	400.4	403.0	275.8	276.3	267.7	264.2	-
Crude petroleum, natural gas, and natural gas liquids ...	131,2	201.2	201.0	196.3	194.9	-	100.6	100.8	98.2	97.2	-
Oil and gas field services	138	212.7	213.7	208.1	205.5	-	175.2	175.5	169.5	167.0	-
Nonmetallic minerals, except fuels	14	100.4	105.5	104.4	104.6	-	74.9	79.4	77.9	78.2	-
Crushed and broken stone	142	35.7	38.1	37.5	37.5	-	27.1	29.3	28.5	28.7	-
Sand and gravel	144	29.6	31.5	30.3	30.2	-	-	-	-	-	-
Chemical and fertilizer minerals	147	17.1	17.1	18.0	18.2	-	-	-	-	-	-
Construction		4,628	4,787	5,055	4,958	5,040	3,520	3,665	3,866	3,767	3,838
General building contractors	15	1,260.9	1,290.6	1,351.3	1,316.1	1,317.7	896.3	921.8	968.4	933.5	-
Residential building construction	152	671.3	689.4	733.7	716.4	-	464.8	480.1	513.7	496.4	-
Operative builders	153	51.7	51.8	50.4	49.7	-	23.6	23.6	22.5	22.3	-
Nonresidential building construction	154	537.9	549.4	567.2	550.0	-	407.9	418.1	432.2	414.8	-
Heavy construction contractors	16	639.4	683.1	661.3	652.0	-	517.8	559.2	534.0	525.0	-
Highway and street construction	161	201.3	223.4	202.6	200.4	-	156.0	176.9	154.3	151.8	-
Heavy construction, except highway	162	438.1	459.7	458.7	451.6	-	361.8	382.3	379.7	373.2	-
Special trade contractors	17	2,727.5	2,812.8	3,042.8	2,989.5	-	2,105.9	2,184.3	2,363.1	2,308.7	-
Plumbing, heating, and air conditioning	171	625.1	630.3	679.8	671.7	-	456.7	461.4	500.6	492.7	-
Painting, paper hanging, and decorating	172	152.7	159.0	166.4	167.0	-	124.9	130.4	136.2	136.3	-
Electrical work	173	538.5	540.8	586.1	580.6	-	414.7	416.6	451.1	446.0	-
Masonry, stonework, and plastering	174	439.9	457.1	507.3	493.3	-	371.7	390.1	431.2	417.6	-
Carpentering and flooring	175	171.1	174.3	186.3	185.0	-	129.7	131.8	142.8	140.9	-
Roofing and sheet metal work	176	177.4	191.0	202.8	189.7	-	135.1	148.2	158.0	144.8	-
Manufacturing		19,261	19,302	19,655	19,653	19,695	13,136	13,165	13,396	13,402	13,453
Durable goods		11,348	11,377	11,625	11,611	11,636	7,552	7,575	7,749	7,736	7,767
Lumber and wood products	24	731.4	734.9	749.4	743.4	745.7	607.6	611.1	621.7	616.3	618.9
Logging camps and logging contractors	241	83.4	80.3	84.4	85.2	-	69.4	66.6	69.9	70.3	-
Sawmills and planing mills	242	201.6	203.0	204.2	201.8	-	177.2	178.6	178.4	176.3	-
Sawmills and planing mills, general	2421	163.6	164.8	166.2	163.7	-	143.8	144.9	145.3	143.0	-
Hardwood dimension and flooring	2426	34.8	34.9	34.6	34.7	-	30.6	30.8	30.3	30.5	-
Millwork, plywood, and structural members	243	255.3	256.3	262.2	259.6	-	209.0	210.1	214.3	212.0	-
Millwork	2431	97.4	97.7	101.7	101.7	-	77.6	78.0	81.6	81.7	-
Wood kitchen cabinets	2434	68.7	68.9	69.8	69.2	-	54.8	55.1	55.5	55.0	-
Hardwood veneer and plywood	2435	24.4	24.4	24.6	25.1	-	21.4	21.4	21.4	21.9	-
Softwood veneer and plywood	2436	38.2	38.2	37.5	35.1	-	34.6	34.6	33.7	31.5	-
Wood containers	244	42.0	42.9	41.8	42.6	-	35.4	36.4	35.3	36.1	-
Wood buildings and mobile homes	245	65.1	67.6	72.1	70.5	-	47.8	50.0	54.6	53.0	-
Mobile homes	2451	44.0	45.4	50.0	50.1	-	35.0	36.3	40.6	40.5	-
Miscellaneous wood products	249	84.0	84.8	84.7	83.7	-	68.8	69.4	69.2	68.6	-

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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Durable goods—Continued											
Furniture and fixtures	25	535.4	534.4	542.1	543.0	543.7	427.6	426.3	434.6	434.5	435.8
Household furniture	251	320.9	320.8	321.2	322.8	-	271.7	271.6	272.9	273.9	-
Wood household furniture	2511	145.3	145.7	144.7	144.0	-	126.9	127.4	126.7	125.9	-
Upholstered household furniture	2512	103.1	103.3	104.1	105.3	-	86.7	86.6	87.5	88.8	-
Metal household furniture	2514	29.3	28.9	28.5	29.0	-	24.1	23.8	23.4	23.9	-
Mattresses and bedsprings	2515	29.0	29.3	29.6	30.1	-	22.2	22.4	22.9	23.1	-
Office furniture	252	68.7	68.1	67.8	67.5	-	51.7	51.2	51.2	50.9	-
Public building and related furniture	253	29.2	29.1	31.3	31.4	-	22.5	22.4	24.5	24.6	-
Partitions and fixtures	254	75.8	75.7	77.7	77.5	-	54.6	54.4	56.4	55.9	-
Miscellaneous furniture and fixtures	259	40.8	40.7	44.1	43.8	-	27.1	26.7	29.6	29.2	-
Stone, clay, and glass products	32	560.8	571.0	571.9	568.9	576.9	432.1	441.7	443.0	439.7	447.2
Flat glass	321	14.2	14.4	15.3	15.8	-	11.0	11.2	12.3	12.7	-
Glass and glassware, pressed or blown	322	84.7	85.0	83.3	83.6	-	73.1	73.4	71.8	72.2	-
Glass containers	3221	42.6	42.6	41.2	41.3	-	38.5	38.4	37.2	37.4	-
Pressed and blown glass, nec	3229	42.1	42.4	42.1	42.3	-	34.6	35.0	34.6	34.8	-
Products of purchased glass	323	51.4	51.4	52.5	52.1	-	37.6	37.8	40.3	40.0	-
Cement, hydraulic	324	19.9	20.0	19.7	19.6	-	15.2	15.3	14.9	14.7	-
Structural clay products	325	37.6	38.1	38.0	37.6	-	29.3	29.8	29.5	29.2	-
Pottery and related products	326	37.0	37.6	38.7	38.7	-	29.6	30.1	31.1	30.9	-
Concrete, gypsum, and plaster products	327	192.8	200.6	197.4	193.3	-	145.6	152.6	149.4	145.3	-
Concrete block and brick	3271	18.9	19.8	18.3	17.9	-	12.3	12.8	11.6	11.2	-
Concrete products, nec	3272	68.0	69.2	70.3	69.9	-	51.0	52.0	53.2	52.6	-
Ready-mixed concrete	3273	87.0	92.6	89.8	86.6	-	67.7	73.2	69.9	66.9	-
Misc. nonmetallic mineral products	329	110.8	111.1	113.6	114.3	-	80.9	81.5	83.5	84.1	-
Abrasive products	3291	21.8	21.8	22.4	22.6	-	14.9	15.1	15.8	16.0	-
Asbestos products	3292	8.6	8.6	8.6	8.6	-	6.5	6.5	6.4	6.4	-
Mineral wool	3296	24.0	24.1	24.3	24.3	-	-	-	-	-	-
Primary metal industries	33	771.0	774.6	796.5	795.7	797.5	587.5	591.3	610.7	610.0	611.5
Blast furnaces and basic steel products	331	279.7	280.5	280.9	280.7	280.6	215.6	216.8	217.9	217.3	217.0
Blast furnaces and steel mills	3312	211.5	212.2	211.5	210.6	-	164.2	165.3	165.5	164.5	-
Steel pipe and tubes	3317	24.6	24.6	25.3	25.7	-	18.7	18.6	19.2	19.5	-
Iron and steel foundries	332	134.5	136.4	146.9	146.7	-	107.3	109.1	118.3	118.3	-
Gray iron foundries	3321	82.6	84.0	88.3	87.9	-	67.2	68.6	72.4	72.2	-
Malleable iron foundries	3322	8.9	9.0	9.7	9.7	-	6.7	6.8	7.3	7.3	-
Steel foundries, nec	3325	29.0	29.3	33.9	34.1	-	22.4	22.6	26.7	26.9	-
Primary nonferrous metals	333	41.2	41.2	42.8	42.6	-	30.1	30.2	32.0	31.9	-
Primary aluminum	3334	21.9	21.9	23.2	23.0	-	16.3	16.3	17.8	17.7	-
Nonferrous rolling and drawing	335	183.5	183.8	186.9	185.9	-	131.3	131.7	133.7	133.2	-
Copper rolling and drawing	3351	24.0	24.2	24.5	24.1	-	18.5	18.6	18.6	18.3	-
Aluminum sheet, plate, and foil	3353	27.9	27.9	28.1	28.0	-	19.5	19.4	19.0	18.9	-
Nonferrous wire drawing and insulating	3357	79.6	79.8	81.6	81.4	-	56.8	57.3	59.5	59.5	-
Nonferrous foundries	336	88.4	88.7	92.9	93.3	-	70.9	71.1	74.5	74.8	-
Aluminum foundries	3361	54.3	54.7	56.1	56.1	-	44.3	44.6	45.7	45.7	-
Fabricated metal products	34	1,430.7	1,432.9	1,480.7	1,480.6	1,482.6	1,064.2	1,066.7	1,104.2	1,102.0	1,103.9
Metal cans and shipping containers	341	54.7	54.6	53.6	53.9	-	46.8	46.5	46.1	46.4	-
Metal cans	3411	43.9	43.8	42.6	42.6	-	38.0	37.7	37.1	37.1	-
Cutlery, hand tools, and hardware	342	134.6	134.9	132.5	132.2	-	99.6	100.2	98.2	97.9	-
Hand and edge tools, and hand saws and blades	3423.5	46.9	47.0	45.8	45.7	-	34.6	34.7	33.4	33.3	-
Hardware, nec	3429	76.7	76.8	75.5	75.2	-	57.5	57.8	57.1	56.8	-
Plumbing and heating, except electric	343	62.8	62.1	64.3	64.1	-	44.9	44.6	46.7	46.5	-
Plumbing fittings and brass goods	3432	26.5	26.1	26.6	27.2	-	19.3	19.2	19.9	20.3	-
Heating equipment, except electric	3433	24.4	24.1	25.8	24.9	-	16.4	16.2	17.6	17.0	-
Fabricated structural metal products	344	427.2	427.5	446.3	444.0	-	305.0	305.0	321.4	318.2	-
Fabricated structural metal	3441	77.6	77.4	81.4	81.2	-	55.4	55.4	59.1	58.7	-
Metal doors, sash, and trim	3442	88.6	89.0	91.0	89.8	-	64.5	64.8	66.4	65.0	-
Fabricated plate work (boiler shops)	3443	89.4	89.6	95.8	95.8	-	59.3	59.5	64.9	65.0	-
Sheet metal work	3444	110.1	110.3	113.3	113.0	-	82.7	82.6	84.9	84.5	-
Architectural metal work	3446	30.2	30.2	32.9	32.8	-	22.6	22.5	24.5	24.0	-

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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Durable goods—Continued											
Fabricated metal products—Continued											
Screw machine products, bolts, etc	345	95.5	96.0	99.0	99.2	-	73.3	74.0	76.1	76.1	-
Screw machine products	3451	48.8	49.2	51.2	51.2	-	40.1	40.6	41.9	41.9	-
Boils, nuts, rivets, and washers	3452	46.7	46.8	47.8	48.0	-	33.2	33.4	34.2	34.2	-
Metal forgings and stampings	346	232.9	234.0	246.0	246.6	-	185.4	186.6	196.3	196.7	-
Iron and steel forgings	3462	30.0	29.9	32.1	31.9	-	23.0	22.9	24.8	24.6	-
Automotive stampings	3465	93.5	94.6	100.1	100.1	-	79.6	80.7	85.2	85.2	-
Metal stampings, nec	3469	98.0	98.1	102.5	103.2	-	74.5	74.6	77.9	78.4	-
Metal services, nec	347	117.6	117.4	123.7	124.6	-	95.1	94.7	98.9	99.7	-
Plating and polishing	3471	76.1	76.0	80.1	80.6	-	61.9	61.6	64.5	64.9	-
Metal coating and allied services	3479	41.5	41.4	43.6	44.0	-	33.2	33.1	34.4	34.8	-
Ordnance and accessories, nec	348	78.3	78.6	76.5	75.9	-	48.1	48.6	47.4	46.4	-
Ammunition, except for small arms, nec	3483	43.6	43.6	42.1	41.8	-	24.1	24.2	23.3	22.8	-
Misc. fabricated metal products	349	227.1	227.8	238.8	240.1	-	166.0	166.5	173.1	174.1	-
Valves and pipe fittings	3494	84.4	84.9	91.2	91.4	-	57.5	58.0	61.3	61.7	-
Misc. fabricated wire products	3496	55.0	55.1	57.2	57.6	-	42.3	42.2	44.0	44.2	-
Machinery, except electrical	35	2,093.1	2,105.4	2,198.2	2,206.4	2,214.7	1,251.3	1,262.5	1,322.8	1,330.2	1,337.2
Engines and turbines	351	86.8	87.2	90.2	90.2	-	57.9	58.1	59.8	59.8	-
Turbines and turbine generator sets	3511	22.7	22.3	23.6	23.7	-	13.1	12.7	13.9	13.8	-
Internal combustion engines, nec	3519	64.1	64.9	66.6	66.5	-	44.8	45.4	45.9	46.0	-
Farm and garden machinery	352	104.0	105.5	108.5	110.8	-	73.2	74.7	78.8	81.2	-
Farm machinery and equipment	3523	73.0	74.0	77.5	78.9	-	48.9	50.0	54.1	55.6	-
Construction and related machinery	353	226.2	228.0	238.3	240.0	-	137.5	138.9	147.0	148.2	-
Construction machinery	3531	82.1	82.7	86.0	86.7	-	51.2	51.7	53.5	54.2	-
Mining machinery	3532	18.3	18.0	18.4	18.4	-	11.2	11.0	11.3	11.3	-
Oil field machinery	3533	42.2	42.9	44.8	44.9	-	25.4	25.9	27.0	27.0	-
Conveyors and conveying equipment	3535	32.5	32.7	33.8	34.2	-	17.0	17.1	18.7	18.7	-
Industrial trucks and tractors	3537	25.9	26.1	27.3	27.5	-	17.9	18.1	18.9	19.0	-
Metalworking machinery	354	294.1	295.3	312.1	313.9	-	210.2	211.7	226.1	228.0	-
Machine tools, metal cutting types	3541	45.7	45.6	48.2	48.5	-	28.8	28.7	31.2	31.5	-
Machine tools, metal forming types	3542	17.1	17.2	17.9	18.1	-	11.0	11.1	11.8	11.9	-
Special dies, tools, jigs, and fixtures	3544	139.7	140.8	148.0	149.0	-	106.6	108.0	114.4	115.2	-
Machine tool accessories	3545	53.8	54.0	58.1	58.3	-	38.4	38.5	41.6	41.9	-
Power driven hand tools	3546	20.3	20.2	20.8	20.8	-	14.8	14.8	15.0	15.2	-
Special industry machinery	355	167.2	168.5	178.6	179.5	-	100.1	101.0	107.8	108.4	-
Food products machinery	3551	39.5	39.9	41.2	41.5	-	24.0	24.2	25.0	25.3	-
Textile machinery	3552	20.7	20.9	21.3	21.5	-	13.8	13.9	14.1	14.3	-
Printing trades machinery	3555	27.8	28.0	29.3	29.3	-	16.5	16.7	17.7	17.6	-
General industrial machinery	356	252.6	253.9	263.6	265.0	-	163.1	163.8	170.9	172.3	-
Pumps and pumping equipment	3561	44.2	44.7	47.0	47.1	-	25.6	25.9	27.2	27.5	-
Ball and roller bearings	3562	41.9	42.2	43.6	44.0	-	32.6	32.8	34.0	34.4	-
Air and gas compressors	3563	20.6	20.5	20.9	21.0	-	12.2	12.0	12.2	12.1	-
Blowers and fans	3564	30.2	30.3	30.9	31.0	-	19.4	19.5	20.4	20.6	-
Speed changers, drives, and gears	3566	19.6	19.8	21.1	21.2	-	13.5	13.7	14.6	14.8	-
Power transmission equipment, nec	3568	17.2	17.2	18.2	18.3	-	11.6	11.7	12.4	12.4	-
Office and computing machines	357	501.8	502.1	522.8	521.7	-	167.4	168.5	171.0	169.5	-
Electronic computing equipment	3573	447.3	447.4	467.8	467.6	-	141.1	141.3	145.0	144.7	-
Refrigeration and service machinery	358	178.5	180.6	183.8	184.6	-	128.2	130.1	133.1	133.6	-
Refrigeration and heating equipment	3585	127.2	129.3	132.2	132.6	-	93.9	95.8	98.4	98.8	-
Misc. machinery, except electrical	359	281.9	284.3	300.3	300.7	-	213.7	215.7	228.3	229.2	-
Carburetors, pistons, rings, and valves	3592	31.6	31.5	32.2	32.3	-	25.2	25.2	25.4	25.6	-
Machinery, except electrical, nec	3599	250.3	252.8	268.1	268.4	-	188.5	190.5	202.9	203.6	-
Electrical and electronic equipment	36	2,108.7	2,108.5	2,119.9	2,109.9	2,104.1	1,240.6	1,239.9	1,252.8	1,243.1	1,242.2
Electric distributing equipment	361	109.6	108.6	112.9	112.5	-	78.9	77.9	80.0	79.5	-
Transformers	3612	49.7	49.6	51.1	50.8	-	35.8	35.6	36.7	36.4	-
Switchgear and switchboard apparatus	3613	59.9	59.0	61.8	61.7	-	43.1	42.3	43.3	43.1	-
Electrical industrial apparatus	362	184.8	185.1	189.2	188.9	-	127.6	128.0	131.8	131.9	-
Motors and generators	3621	88.5	88.6	90.1	89.7	-	68.4	68.8	70.8	70.6	-
Industrial controls	3622	61.5	61.4	62.9	62.9	-	35.6	35.6	37.0	37.2	-
Household appliances	363	135.1	133.4	136.1	134.2	-	107.5	106.6	110.5	108.8	-
Household refrigerators and freezers	3632	29.4	29.0	28.0	28.7	-	23.8	23.5	22.8	23.7	-
Household laundry equipment	3633	22.2	22.2	22.9	22.6	-	17.8	17.9	18.7	18.5	-
Electric housewares and fans	3634	35.4	35.0	35.7	34.4	-	27.5	27.4	28.7	27.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Durable goods—Continued											
Electrical and electronic equipment—Continued											
Electric lighting and wiring equipment	364	193.0	193.0	196.1	195.8	-	140.0	140.2	142.5	142.3	
Electric lamps	3641	25.5	25.6	25.3	25.1		21.9	21.8	21.4	21.3	
Current-carrying wiring devices	3643	75.9	75.7	75.3	75.7	-	50.0	50.1	49.1	49.4	-
Noncurrent-carrying wiring devices	3644	15.5	15.5	16.3	16.2	-	11.4	11.4	12.3	12.3	
Residential lighting fixtures	3645	27.6	27.4	28.4	28.3		20.6	20.5	21.5	21.4	
Radio and TV receiving equipment	365	80.8	80.3	87.0	87.6	-	54.9	54.8	61.4	61.9	
Radio and TV receiving sets	3651	61.1	60.6	66.4	66.6		40.6	40.3	45.6	45.6	-
Communication equipment	366	605.5	605.0	578.8	577.3	-	254.0	254.1	238.9	236.5	-
Telephone and telegraph apparatus	3661	117.8	117.6	112.2	111.4	-	68.6	69.0	67.3	66.8	-
Radio and TV communication equipment	3662	487.7	487.4	466.6	465.9	-	185.4	185.1	171.6	169.7	-
Electronic components and accessories	367	649.6	652.4	664.1	659.6	-	371.6	372.3	376.9	372.5	-
Electronic tubes	3671-3	38.2	38.2	38.4	38.4	-	24.6	24.5	24.9	24.7	-
Semiconductors and related devices	3674	256.6	257.9	268.4	266.2	-	100.4	101.4	105.2	102.3	-
Electronic components, nec	3679	279.4	280.5	280.6	278.9		190.2	190.0	189.5	188.7	
Misc. electrical equipment and supplies	369	150.3	150.7	155.7	154.0		106.1	106.0	110.8	109.7	-
Storage batteries	3691	28.6	28.3	29.7	28.3		22.0	21.6	22.6	21.8	
Engine electrical equipment	3694	66.6	66.8	68.8	68.3	-	50.6	50.8	52.8	52.4	-
Transportation equipment	37	2,036.6	2,030.9	2,062.0	2,055.1	2,057.3	1,280.3	1,269.6	1,286.6	1,282.9	1,286.8
Motor vehicles and equipment	371	837.8	840.3	863.5	859.6	861.7	651.5	654.3	672.7	668.7	670.6
Motor vehicles and car bodies	3711	355.4	356.6	364.9	361.0	-	266.9	267.8	273.8	270.4	-
Truck and bus bodies	3713	43.1	42.6	41.9	42.7		33.6	33.3	32.4	32.8	
Motor vehicle parts and accessories	3714	390.2	390.9	404.6	403.6		312.7	313.9	325.5	324.3	-
Truck trailers	3715	30.7	31.2	31.9	31.8		23.9	24.4	25.2	25.1	
Aircraft and parts	372	703.1	693.8	700.9	698.4	-	348.7	336.3	341.2	339.8	-
Aircraft	3721	368.6	367.5	374.8	373.6	-	164.4	161.9	164.4	163.6	-
Aircraft engines and engine parts	3724	152.7	145.3	146.6	146.1	-	77.5	68.3	73.7	73.3	-
Aircraft equipment, nec	3728	181.8	181.0	179.5	178.7	-	106.8	106.1	103.1	102.9	-
Ship and boat building and repairing	373	197.2	198.0	192.3	192.9		152.2	151.5	140.8	142.6	-
Ship building and repairing	3731	131.9	131.3	126.9	126.4		99.1	97.4	86.2	87.1	
Boat building and repairing	3732	65.3	66.7	65.4	66.5		53.1	54.1	54.6	55.5	-
Railroad equipment	374	28.9	29.5	36.1	36.5	-	20.9	21.4	27.1	27.3	-
Guided missiles, space vehicles, and parts	376	205.7	205.2	205.5	203.6	-	63.8	62.7	61.4	60.6	
Guided missiles and space vehicles	3761	154.1	153.5	153.9	152.2	-	46.5	45.3	43.5	42.5	-
Miscellaneous transportation equipment	379	51.4	51.5	50.2	50.5		34.3	34.4	33.8	34.0	
Travel trailers and campers	3792	19.9	20.0	20.3	20.2	-	15.5	15.6	16.0	15.9	
Instruments and related products	38	704.3	704.7	726.7	727.2	729.2	387.8	389.0	401.4	401.7	404.1
Engineering and scientific instruments	381	84.5	84.5	88.4	88.5	-	38.8	39.1	41.7	41.9	-
Measuring and controlling devices	382	235.6	235.3	236.9	237.4		133.5	133.9	135.9	135.6	
Environmental controls	3822	41.8	41.9	41.2	41.3		27.3	27.4	27.7	27.9	-
Process control instruments	3823	52.8	52.7	54.6	55.0		28.6	28.6	29.5	29.6	
Instruments to measure electricity	3825	100.7	100.6	99.9	100.1	-	49.9	50.3	50.8	50.5	-
Optical instruments and lenses	383	33.9	34.1	36.9	37.0		17.0	17.1	19.2	19.4	
Medical instruments and supplies	384	194.4	195.9	205.4	205.9		118.3	119.5	123.6	124.5	
Surgical and medical instruments	3841	95.0	95.7	100.0	100.5	-	54.9	55.6	57.7	58.8	
Surgical appliances and supplies	3842	85.1	85.8	90.3	90.2		55.3	55.7	57.4	57.2	
Ophthalmic goods	385	38.0	38.1	37.9	37.3		26.0	26.1	25.9	25.4	
Photographic equipment and supplies	386	106.6	105.7	110.3	110.5		45.8	45.1	46.9	47.0	-
Watches, clocks, and watchcases	387	11.3	11.1	10.9	10.6		8.4	8.2	8.2	7.9	
Miscellaneous manufacturing	39	375.6	379.9	377.1	380.6	384.3	273.4	276.9	271.5	275.7	278.9
Jewelry, silverware, and plated ware	391	54.3	54.4	55.3	55.6	-	37.7	37.9	38.9	39.2	-
Jewelry, precious metal	3911	38.0	38.0	39.3	39.7	-	26.2	26.3	27.5	27.9	-
Musical instruments	393	12.6	12.4	12.6	12.6		10.4	10.3	10.4	10.5	
Toys and sporting goods	394	101.9	105.0	101.5	103.6		76.9	79.2	73.7	75.8	
Dolls, games, toys, and children's vehicles	3942,4	46.2	47.8	42.9	44.3		33.7	34.9	29.2	30.6	
Sporting and athletic goods, nec	3949	55.7	57.2	58.6	59.3	-	43.2	44.3	44.5	45.2	
Pens, pencils, office, and art supplies	395	33.3	33.6	33.2	33.4		23.4	23.7	22.9	23.2	-
Costume jewelry and notions	396	39.0	39.0	38.3	38.9		29.6	29.6	29.3	30.2	
Costume jewelry	3961	20.9	20.7	20.8	21.5		16.0	15.8	15.6	16.6	-
Miscellaneous manufactures	399	134.5	135.5	136.2	136.5	-	95.4	96.2	96.3	96.8	
Signs and advertising displays	3993	59.7	59.6	60.7	60.7		41.4	41.0	41.9	42.0	-

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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Nondurable goods		7,913	7,925	8,030	8,042	8,059	5,584	5,590	5,647	5,666	5,686
Food and kindred products	20	1,594.0	1,589.6	1,612.9	1,604.7	1,603.6	1,121.0	1,114.2	1,137.4	1,134.0	1,134.5
Meat products	201	390.8	389.2	401.2	402.0	-	331.0	329.0	338.6	340.0	-
Meat packing plants	2011	140.9	139.3	144.3	142.9	-	118.6	116.7	120.4	119.5	-
Sausages and other prepared meats	2013	78.4	78.4	81.3	81.4	-	57.4	57.5	59.2	59.6	-
Poultry dressing plants	2016	150.9	151.1	154.3	156.4	-	136.5	136.6	140.0	141.9	-
Dairy products	202	160.5	162.1	160.8	159.8	-	96.0	97.6	97.1	96.5	-
Cheese, natural and processed	2022	41.3	42.0	42.4	41.5	-	31.4	32.0	32.4	31.5	-
Fluid milk	2026	80.1	80.5	79.2	78.9	-	39.3	39.8	39.6	39.4	-
Preserved fruits and vegetables	203	216.5	214.7	216.1	215.9	-	173.1	170.8	172.7	172.9	-
Canned specialties	2032	23.8	23.8	24.9	24.2	-	16.5	16.5	18.0	17.4	-
Canned fruits and vegetables	2033	63.5	62.9	66.1	64.2	-	50.4	49.4	53.1	51.5	-
Frozen fruits and vegetables	2037	41.8	41.0	37.2	40.7	-	35.8	34.7	31.6	35.2	-
Grain mill products	204	130.2	129.6	134.6	134.1	-	90.4	89.5	94.6	93.9	-
Flour and other grain mill products	2041	23.5	23.6	24.7	24.8	-	16.2	16.3	17.2	17.1	-
Prepared feeds, nec	2048	43.6	43.6	44.1	43.9	-	27.6	27.4	28.2	27.9	-
Bakery products	205	206.0	205.9	205.2	203.4	-	125.3	124.7	125.1	123.9	-
Bread, cake, and related products	2051	159.6	159.8	157.9	157.0	-	89.2	89.0	89.3	88.6	-
Cookies and crackers	2052	46.4	46.1	47.3	46.4	-	36.1	35.7	35.8	35.3	-
Sugar and confectionery products	206	93.5	91.4	99.5	97.8	-	73.4	70.9	78.7	77.2	-
Cane and beet sugar	2061-3	21.1	20.1	21.9	19.2	-	16.5	15.2	17.3	15.0	-
Confectionery products	2065	53.2	52.7	57.9	59.1	-	43.9	43.3	48.0	49.1	-
Fats and oils	207	34.6	34.6	34.6	34.6	-	25.5	25.4	25.5	25.6	-
Beverages	208	195.5	195.2	193.3	190.5	-	82.4	82.2	80.5	80.1	-
Malt beverages	2082	38.8	39.0	38.5	38.0	-	24.5	24.2	22.9	22.8	-
Bottled and canned soft drinks	2086	115.6	115.4	112.5	111.5	-	37.7	37.8	36.9	36.7	-
Misc. food and kindred products	209	166.4	166.9	167.6	166.6	-	123.9	124.1	124.6	123.9	-
Tobacco manufactures	21	54.4	52.1	54.4	52.9	51.2	41.4	39.2	40.6	39.4	37.9
Cigarettes	211	38.4	38.6	37.9	37.4	-	28.8	29.1	27.8	27.5	-
Textile mill products	22	729.3	728.0	722.9	722.8	722.6	633.7	632.3	626.5	626.8	627.3
Weaving mills, cotton	221	101.7	101.3	95.3	94.9	-	91.9	91.7	85.7	85.3	-
Weaving mills, synthetics	222	91.3	91.3	95.7	95.7	-	81.2	81.3	85.0	85.3	-
Weaving and finishing mills, wool	223	19.2	19.4	19.9	20.0	-	15.7	15.9	16.2	16.1	-
Narrow fabric mills	224	24.2	24.3	25.3	25.4	-	21.0	21.1	21.7	21.7	-
Knitting mills	225	208.4	207.7	204.1	204.4	-	184.2	183.4	179.6	180.4	-
Women's hosiery, except socks	2251	35.1	35.3	32.9	33.1	-	31.5	31.6	29.8	30.1	-
Hosiery, nec	2252	35.4	35.5	34.6	35.3	-	31.9	32.1	31.1	31.8	-
Knit outerwear mills	2253	67.5	66.8	66.8	66.7	-	60.7	59.8	59.6	59.5	-
Knit underwear mills	2254	25.6	25.7	25.0	24.7	-	21.8	21.8	21.0	20.7	-
Circular knit fabric mills	2257	26.0	25.5	25.9	26.0	-	22.8	22.4	22.6	22.8	-
Textile finishing, except wool	226	60.2	59.8	59.2	59.4	-	50.1	49.8	49.1	49.1	-
Finishing plants, cotton	2261	24.1	24.2	24.6	24.4	-	20.0	20.1	20.4	20.1	-
Finishing plants, synthetics	2262	21.9	21.8	21.1	21.2	-	17.7	17.7	17.1	17.2	-
Floor covering mills	227	58.2	58.1	59.8	59.6	-	47.1	46.6	48.7	48.6	-
Yarn and thread mills	228	111.8	111.7	109.1	108.7	-	100.3	100.1	97.7	97.7	-
Yarn mills, except wool	2281	83.0	82.7	81.3	81.2	-	75.3	75.0	73.4	73.3	-
Throwing and winding mills	2282	15.0	15.0	14.7	14.7	-	13.2	13.2	13.0	13.1	-
Miscellaneous textile goods	229	54.3	54.4	54.5	54.7	-	42.2	42.4	42.8	42.6	-
Apparel and other textile products	23	1,103.4	1,104.4	1,089.3	1,100.9	1,105.9	927.4	929.5	918.0	930.5	936.4
Men's and boys' suits and coats	231	58.2	58.2	58.5	57.6	-	50.2	50.4	50.3	49.4	-
Men's and boys' furnishings	232	313.0	313.0	306.7	308.4	-	270.7	270.5	264.7	266.5	-
Men's and boys' shirts and nightwear	2321	85.4	85.2	82.5	82.7	-	73.2	73.1	70.2	70.6	-
Men's and boys' separate trousers	2327	50.3	50.4	49.1	49.5	-	43.9	43.8	42.5	43.0	-
Men's and boys' work clothing	2328	96.8	96.2	94.0	94.4	-	84.8	84.3	82.3	82.7	-
Women's and misses' outerwear	233	349.9	352.9	342.1	347.8	-	291.0	295.1	286.2	292.3	-
Women's and misses' blouses and waists	2331	45.6	45.3	43.9	44.2	-	37.9	37.4	36.3	36.7	-
Women's and misses' dresses	2335	84.0	84.3	81.5	82.6	-	69.9	70.4	67.8	69.0	-
Women's and misses' suits and coats	2337	38.1	39.3	39.1	40.4	-	30.8	32.1	32.1	33.3	-
Women's and misses' outerwear, nec	2339	182.2	184.0	177.6	180.6	-	152.4	155.2	150.0	153.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Nondurable goods—Continued											
Apparel and other textile products—Continued											
Women's and children's undergarments	234	71.6	71.6	69.6	70.0	-	59.4	59.1	57.6	58.2	-
Women's and children's underwear	2341	58.5	58.1	56.7	57.2	-	50.3	49.9	48.6	49.3	-
Brassieres and allied garments	2342	13.1	13.5	12.9	12.8	-	9.1	9.2	9.0	8.9	-
Children's outerwear	236	59.0	57.4	54.8	55.4	-	49.7	48.2	46.0	46.5	-
Children's dresses and blouses	2361	25.1	24.3	23.1	23.5	-	21.9	21.1	20.0	20.4	-
Misc. apparel and accessories	238	41.7	41.7	41.5	42.3	-	34.6	34.7	33.9	35.1	-
Misc. fabricated textile products	239	192.7	192.0	197.4	200.5	-	158.2	157.7	164.3	167.3	-
Curtains and draperies	2391	25.1	25.1	23.8	23.9	-	20.5	20.6	19.7	19.7	-
House furnishings, nec	2392	53.9	53.3	55.0	56.3	-	45.6	45.3	46.4	47.5	-
Automotive and apparel trimmings	2396	38.6	38.8	40.5	40.9	-	31.9	31.8	34.2	34.9	-
Paper and allied products	26	682.2	683.8	688.2	687.1	687.6	517.9	518.7	518.5	517.5	519.1
Paper and pulp mills	261,2,6	190.4	190.6	190.2	189.4	-	144.9	145.2	144.1	143.5	-
Paper mills, except building paper	262	166.8	167.0	168.1	167.3	-	126.4	126.6	126.7	126.1	-
Paperboard mills	263	53.6	53.5	53.4	53.3	-	40.7	40.6	41.0	40.9	-
Misc. converted paper products	264	232.5	233.5	234.2	234.8	-	172.0	172.4	170.7	170.9	-
Paper coating and glazing	2641	58.0	58.0	58.4	58.5	-	37.0	36.6	34.3	34.2	-
Envelopes	2642	27.6	27.7	27.8	27.7	-	21.4	21.4	21.6	21.4	-
Bags, except textile bags	2643	53.1	53.3	54.8	54.6	-	41.8	42.0	43.3	43.0	-
Paperboard containers and boxes	265	205.7	206.2	210.4	209.6	-	160.3	160.5	162.7	162.2	-
Folding paperboard boxes	2651	44.9	45.2	46.1	46.0	-	35.8	35.9	36.9	36.8	-
Corrugated and solid fiber boxes	2653	112.3	112.6	114.1	113.8	-	85.1	85.3	85.5	85.4	-
Sanitary food containers	2654	22.9	22.8	23.1	23.0	-	19.6	19.5	19.3	19.3	-
Printing and publishing	27	1,543.1	1,548.4	1,596.4	1,597.6	1,603.5	865.7	869.5	888.3	888.2	893.0
Newspapers	271	475.7	475.3	480.5	480.3	-	172.3	172.2	170.8	169.8	-
Periodicals	272	126.1	126.3	131.0	131.2	-	46.9	46.9	46.3	46.3	-
Books	273	112.2	113.2	117.1	118.1	-	60.8	61.4	61.7	62.3	-
Book publishing	2731	83.4	84.5	87.0	87.9	-	37.9	38.5	37.9	38.4	-
Book printing	2732	28.8	28.7	30.1	30.2	-	22.9	22.9	23.8	23.9	-
Miscellaneous publishing	274	80.8	81.1	84.7	85.0	-	42.6	42.6	43.2	43.9	-
Commercial printing	275	543.8	546.4	566.2	566.5	-	396.9	399.0	411.3	411.3	-
Commercial printing, letterpress	2751	167.4	168.3	174.4	174.0	-	119.5	120.2	125.5	125.0	-
Commercial printing, lithographic	2752	347.0	348.0	361.4	361.5	-	254.0	254.7	261.6	261.7	-
Manifold business forms	276	51.0	51.0	52.2	52.1	-	35.2	35.0	35.7	35.4	-
Blankbooks and bookbinding	278	75.8	76.8	82.9	82.6	-	59.9	60.8	64.6	64.4	-
Printing trade services	279	54.6	54.9	58.0	58.2	-	40.5	40.7	42.9	43.0	-
Chemicals and allied products	28	1,043.8	1,050.2	1,074.0	1,076.4	1,079.6	586.4	591.9	602.9	606.7	610.0
Industrial inorganic chemicals	281	132.7	133.0	133.2	133.1	-	67.0	67.1	67.0	67.4	-
Industrial inorganic chemicals, nec	2819	89.4	89.6	89.1	89.1	-	48.2	48.4	47.1	47.1	-
Plastics materials and synthetics	282	167.7	167.7	173.2	173.2	-	109.5	109.4	114.1	114.3	-
Plastics materials and resins	2821	76.8	77.1	79.9	80.0	-	44.5	44.7	47.0	47.3	-
Organic fibers, noncellulosic	2824	63.3	63.3	65.3	65.5	-	44.5	44.6	46.8	47.1	-
Drugs	283	222.2	223.3	234.0	233.8	-	101.7	101.8	104.2	105.1	-
Pharmaceutical preparations	2834	176.9	178.0	185.3	185.1	-	79.5	79.5	80.9	81.9	-
Soap, cleaners, and toilet goods	284	157.5	159.3	162.9	164.1	-	100.5	103.1	102.8	104.2	-
Soap and other detergents	2841	44.7	44.6	45.0	44.7	-	27.7	27.7	28.2	27.8	-
Polishing, sanitation, and finishing preparations	2842,3	42.3	42.9	45.0	45.4	-	24.3	25.0	25.7	25.9	-
Toilet preparations	2844	70.5	71.8	72.9	74.0	-	48.5	50.4	48.9	50.5	-
Paints and allied products	285	61.2	61.5	60.7	60.9	-	29.9	30.1	30.6	30.8	-
Industrial organic chemicals	286	153.0	153.6	159.7	160.2	-	88.3	88.4	92.5	92.6	-
Cyclic crudes and intermediates	2865	29.2	29.3	30.5	30.7	-	18.3	18.3	18.9	18.9	-
Gum, wood, and industrial organic chemicals, nec	2861,9	123.8	124.3	129.2	129.5	-	70.0	70.1	73.6	73.7	-
Agricultural chemicals	287	52.1	54.0	52.6	53.1	-	33.6	35.8	33.7	34.1	-
Miscellaneous chemical products	289	97.4	97.8	97.7	98.0	-	55.9	56.2	58.0	58.2	-
Petroleum and coal products	29	161.5	161.9	163.3	163.5	164.7	104.1	104.2	104.9	104.9	106.0
Petroleum refining	291	125.7	125.3	128.0	128.3	-	80.3	79.6	81.6	81.7	-
Paving and roofing materials	295	23.3	24.0	22.3	22.0	-	16.9	17.6	16.2	16.0	-

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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Nondurable goods—Continued											
Rubber and misc. plastics products	30	856.2	861.0	885.7	891.8	894.9	666.1	670.3	691.5	698.1	701.7
Tires and inner tubes	301	85.7	85.9	86.7	87.2	-	61.2	61.5	64.8	66.0	-
Rubber and plastics footwear	302	12.9	12.8	11.7	11.8	-	10.7	10.8	9.6	9.7	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	23.6	23.7	25.7	25.8	-	17.5	17.4	19.1	19.2	-
Fabricated rubber products, nec	306	106.8	107.7	109.8	110.3	-	82.1	82.6	84.3	84.8	-
Miscellaneous plastics products	307	627.2	630.9	651.8	656.7	-	494.6	498.0	513.7	518.4	-
Leather and leather products	31	145.5	145.3	143.2	144.3	144.9	120.3	119.9	118.5	119.9	120.4
Leather tanning and finishing	311	14.3	14.3	14.7	15.0	-	11.8	11.7	12.3	12.7	-
Footwear, except rubber	314	86.9	86.4	84.4	84.1	-	74.0	73.4	71.9	71.9	-
Men's footwear, except athletic	3143	38.7	38.6	38.5	38.1	-	31.2	31.0	31.0	30.8	-
Women's footwear, except athletic	3144	30.6	30.1	28.7	28.3	-	27.0	26.6	25.5	25.1	-
Luggage	316	11.1	11.0	11.9	11.8	-	7.8	7.7	8.6	8.5	-
Handbags and personal leather goods	317	15.8	16.0	14.5	15.4	-	12.5	12.8	11.1	12.0	-
Transportation and public utilities		5,446	5,473	5,629	5,636	5,638	4,515	4,537	4,676	4,684	4,685
Transportation		3,217	3,239	3,389	3,396	3,397	-	-	-	-	-
Railroad transportation	40	293.4	295.5	291.9	292.0	-	-	-	-	-	-
Class I railroads ²	4011	253.0	255.8	249.9	249.5	-	-	-	-	-	-
Local and interurban passenger transit	41	310.8	314.1	321.4	321.8	-	286.8	290.3	295.3	295.3	-
Local and suburban transportation	411	111.8	112.4	117.7	118.9	-	102.1	102.6	106.7	107.8	-
Taxicabs	412	33.6	33.6	33.3	33.3	-	-	-	-	-	-
Intercity highway transportation	413	30.6	30.7	32.7	32.4	-	27.7	27.7	29.4	29.0	-
School buses	415	112.5	114.5	114.1	113.9	-	-	-	-	-	-
Trucking and warehousing	42	1,482.1	1,490.0	1,561.9	1,563.5	-	1,286.6	1,293.8	1,357.1	1,359.8	-
Trucking and trucking terminals	421,3	1,371.0	1,379.5	1,441.6	1,443.0	-	1,193.2	1,201.4	1,255.6	1,258.1	-
Public warehousing	422	111.1	110.5	120.3	120.5	-	93.4	92.4	101.5	101.7	-
Water transportation	44	173.6	172.3	179.2	174.8	-	-	-	-	-	-
Local water transportation	445	25.0	25.2	26.4	26.5	-	-	-	-	-	-
Water transportation services	446	96.8	94.8	101.8	98.2	-	-	-	-	-	-
Transportation by air	45	624.9	631.0	672.3	677.1	-	-	-	-	-	-
Air transportation	451,2	548.1	553.4	589.5	593.1	-	-	-	-	-	-
Air transportation services	458	76.8	77.6	82.8	84.0	-	-	-	-	-	-
Pipe lines, except natural gas	46	15.9	15.9	16.3	16.2	-	10.8	10.9	11.5	11.4	-
Transportation services	47	316.7	320.0	346.1	350.8	-	-	-	-	-	-
Freight forwarding	471	66.7	66.8	72.2	73.0	-	-	-	-	-	-
Communication and public utilities		2,229	2,234	2,240	2,240	2,241	-	-	-	-	-
Communication	48	1,303.2	1,305.6	1,309.9	1,310.9	-	985.3	985.8	993.6	994.3	-
Telephone communication	481	906.2	905.6	900.1	898.1	-	666.4	665.4	662.8	660.8	-
Radio and television broadcasting	483	240.6	242.0	246.8	247.9	-	197.4	197.9	203.5	204.9	-
Radio broadcasting	4832	115.2	115.4	118.3	118.8	-	-	-	-	-	-
Television broadcasting	4833	125.4	126.6	128.5	129.1	-	-	-	-	-	-
Electric, gas, and sanitary services	49	926.1	928.5	930.3	928.7	-	731.2	734.1	734.4	734.3	-
Electric services	491	443.9	444.4	441.8	441.2	-	338.0	338.9	337.1	337.4	-
Gas production and distribution	492	164.5	164.7	166.1	165.3	-	129.7	129.8	130.5	130.0	-
Combination utility services	493	202.9	203.8	201.7	201.7	-	166.3	167.3	164.8	165.0	-
Sanitary services	495	88.0	88.5	93.1	92.9	-	76.0	76.5	80.7	80.5	-
Wholesale trade		5,979	6,016	6,285	6,304	6,334	4,795	4,832	5,050	5,064	5,095
Durable goods	50	3,550	3,573	3,777	3,793	3,812	2,821	2,844	3,015	3,028	-
Motor vehicles and automotive equipment	501	440.9	443.7	458.6	458.5	-	353.3	355.8	368.8	368.9	-
Automobiles and other motor vehicles	5012	115.2	116.6	122.7	123.5	-	-	-	-	-	-
Automotive parts and supplies	5013	295.8	297.4	305.0	304.3	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Wholesale trade—Continued											
Durable goods—Continued											
Furniture and home furnishings	502	144.8	143.8	148.2	148.8		117.3	116.0	119.8	120.1	
Furniture	5021	64.4	64.3	66.0	66.9		-	-	-	-	
Home furnishings	5023	80.4	79.5	82.2	81.9		-	-	-	-	
Lumber and construction materials	503	248.2	252.0	294.0	296.3		202.1	205.0	239.3	240.8	
Lumber, plywood, and millwork	5031	114.1	116.2	135.2	136.7		-	-	-	-	
Construction materials, nec	5039	134.1	135.8	158.8	159.6		-	-	-	-	
Sporting goods, toys, and hobby goods	504	86.9	87.8	91.7	92.9		71.5	72.3	73.1	74.0	
Metals and minerals, except petroleum	505	141.2	141.6	152.5	153.8		111.2	112.0	121.1	122.0	
Electrical goods	506	509.7	512.3	545.7	548.4		388.4	391.1	420.3	422.0	
Electrical apparatus and equipment	5063	282.8	283.9	305.6	307.3		-	-	-	-	
Electrical appliances, TV and radios	5064	67.9	68.6	71.4	71.8		-	-	-	-	
Electronic parts and equipment	5065	159.0	159.8	168.7	169.3		-	-	-	-	
Hardware, plumbing, and heating equipment	507	266.6	267.5	275.2	274.1	-	215.2	215.8	222.4	221.9	
Hardware	5072	91.7	91.6	93.4	92.8		-	-	-	-	
Plumbing and hydronic heating supplies	5074	111.0	111.5	114.7	114.7		-	-	-	-	
Machinery, equipment, and supplies	508	1,505.6	1,516.6	1,589.4	1,596.9		1,196.2	1,208.0	1,272.1	1,279.3	
Commercial machines and equipment	5081	570.5	572.0	589.0	591.1		-	-	-	-	
Construction and mining machinery	5082	79.2	79.4	84.1	84.7		-	-	-	-	
Farm machinery and equipment	5083	114.5	117.7	122.0	122.8		-	-	-	-	
Industrial machinery and equipment	5084	311.2	312.9	332.9	334.4		-	-	-	-	
Industrial supplies	5085	132.9	134.1	142.5	143.7		-	-	-	-	
Professional equipment and supplies	5086	184.2	186.3	196.1	197.9		-	-	-	-	
Miscellaneous durable goods	509	206.0	207.8	222.1	223.1		165.8	168.0	178.2	179.1	
Scrap and waste materials	5093	94.0	95.0	103.7	104.8		-	-	-	-	
Nondurable goods	51	2,429	2,443	2,508	2,511	2,522	1,974	1,988	2,035	2,036	
Paper and paper products	511	208.7	209.1	216.3	218.0	-	168.9	169.6	175.2	176.1	
Drugs, proprietaries, and sundries	512	172.2	173.1	182.0	182.4		144.7	145.7	153.6	153.6	
Apparel, piece goods, and notions	513	199.1	200.4	205.1	207.6		151.8	152.6	158.4	161.0	
Groceries and related products	514	781.1	781.5	802.0	799.5		658.9	658.2	672.1	669.4	
Groceries, general line	5141	251.7	252.2	261.8	260.9		-	-	-	-	
Meats and meat products	5147	64.4	64.5	66.3	65.9		-	-	-	-	
Fresh fruits and vegetables	5148	94.7	94.7	100.9	99.8		-	-	-	-	
Chemicals and allied products	516	129.9	130.5	135.2	135.3		96.4	97.1	97.5	97.4	
Petroleum and petroleum products	517	200.2	200.8	206.0	207.4		155.9	156.6	161.5	161.9	
Petroleum bulk stations and terminals	5171	85.0	85.5	89.1	89.9		-	-	-	-	
Petroleum products, nec	5172	115.2	115.3	116.9	117.5		-	-	-	-	
Beer, wine, and distilled beverages	518	151.4	151.8	155.1	154.0		123.9	124.4	126.7	125.2	
Beer and ale	5181	93.9	94.3	96.8	95.9		-	-	-	-	
Wines and distilled beverages	5182	57.5	57.5	58.3	58.1		-	-	-	-	
Miscellaneous nondurable goods	519	462.6	471.5	483.9	487.8		373.1	382.8	391.2	394.3	
Farm supplies	5191	148.4	154.6	157.5	159.9		-	-	-	-	
Retail trade		18,521	18,612	19,263	19,085	19,238	16,405	16,475	17,032	16,851	16,991
Building materials and garden supplies	52	718.7	740.9	730.0	727.6		590.7	610.6	598.5	595.7	
Lumber and other building materials	521	397.1	404.5	400.7	397.7		332.2	338.9	335.0	331.8	
Hardware stores	525	157.4	160.0	164.4	164.1		130.4	132.3	135.8	135.4	
General merchandise stores	53	2,479.1	2,436.0	2,626.6	2,487.9	2,493.4	2,304.0	2,261.5	2,422.5	2,288.2	
Department stores	531	2,071.2	2,032.3	2,184.8	2,063.6	-	1,940.2	1,901.3	2,025.8	1,908.3	
Variety stores	533	241.8	239.2	249.6	239.6		219.3	217.6	228.7	219.5	
Misc. general merchandise stores	539	166.1	164.5	192.2	184.7		144.5	142.6	168.0	160.4	
Food stores	54	2,994.7	3,001.3	3,175.6	3,162.0	3,169.3	2,752.2	2,756.3	2,925.6	2,912.1	
Grocery stores	541	2,645.7	2,650.6	2,806.6	2,794.7	-	2,443.3	2,446.3	2,600.3	2,588.6	
Meat markets and freezer provisioners	542	57.5	58.1	60.3	59.8		-	-	-	-	
Dairy products stores	545	23.5	23.6	27.1	26.8		-	-	-	-	
Retail bakeries	546	175.1	176.5	178.7	178.1	-	159.1	160.5	161.7	160.7	
Automotive dealers and service stations	55	2,018.0	2,034.1	2,086.1	2,086.3	2,093.0	1,686.4	1,699.8	1,741.2	1,742.3	
New and used car dealers	551.2	990.6	997.0	1,018.3	1,018.0	-	820.9	825.6	844.2	844.8	-
Auto and home supply stores	553	318.0	319.3	329.2	327.9		256.8	258.3	264.4	263.7	
Gasoline service stations	554	615.4	618.5	634.9	634.4		534.7	537.2	551.1	550.7	

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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Retail trade—Continued											
Apparel and accessory stores	56	1,078.8	1,073.6	1,134.8	1,090.9	-	911.4	906.3	957.3	914.1	-
Men's and boys' clothing and furnishings	561	104.3	103.3	106.3	101.6	-	85.3	84.5	86.5	81.9	-
Women's ready-to-wear stores	562	374.8	373.8	392.9	376.2	-	316.3	315.1	330.6	314.2	-
Family clothing stores	565	251.1	248.9	268.3	254.1	-	218.5	216.5	233.1	219.1	-
Shoe stores	566	216.0	217.5	225.4	221.1	-	178.6	179.7	187.4	183.1	-
Furniture and home furnishings stores	57	822.5	817.5	834.1	829.8	-	678.4	669.7	683.9	677.6	-
Furniture and home furnishings stores	571	452.5	451.7	467.8	466.4	-	371.3	366.8	381.2	379.1	-
Furniture stores	5712	282.7	281.2	290.7	291.1	-	-	-	-	-	-
Household appliance stores	572	91.3	92.7	83.0	81.4	-	78.2	79.3	69.4	67.5	-
Radio, television, and music stores	573	278.7	273.1	283.3	282.0	-	228.9	223.6	233.3	231.0	-
Radio and television stores	5732	202.4	196.9	202.4	201.7	-	-	-	-	-	-
Music stores	5733	76.3	76.2	80.9	80.3	-	-	-	-	-	-
Eating and drinking places	58	6,018.4	6,142.5	6,168.7	6,213.5	6,338.0	5,468.4	5,584.3	5,596.5	5,636.9	-
Miscellaneous retail	59	2,390.8	2,366.4	2,507.2	2,486.6	-	2,013.5	1,986.3	2,106.4	2,084.5	-
Drug stores and proprietary stores	591	591.4	590.9	600.1	594.8	-	504.8	504.0	508.9	503.4	-
Liquor stores	592	122.4	122.4	126.2	124.7	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	788.0	777.2	858.0	822.0	-	658.2	646.6	721.4	685.3	-
Sporting goods and bicycle shops	5941	141.4	138.7	152.9	148.3	-	-	-	-	-	-
Book stores	5942	81.3	79.2	84.5	85.4	-	-	-	-	-	-
Stationery stores	5943	77.1	77.0	78.7	79.6	-	-	-	-	-	-
Jewelry stores	5944	152.6	150.2	164.5	156.9	-	-	-	-	-	-
Gift, novelty, and souvenir shops	5947	150.3	148.8	164.9	162.1	-	-	-	-	-	-
Sewing, needlework, and piece goods	5949	62.0	61.2	63.9	62.1	-	-	-	-	-	-
Nonstore retailers	596	280.1	279.4	261.4	261.3	-	250.7	249.7	232.4	231.2	-
Mail order houses	5961	129.3	128.8	123.4	119.3	-	-	-	-	-	-
Merchandising machine operators	5962	90.1	89.8	89.3	89.7	-	-	-	-	-	-
Fuel and ice dealers	598	114.2	113.5	124.6	124.2	-	95.6	94.9	104.5	104.0	-
Retail stores, nec	599	406.9	395.5	443.7	466.9	-	332.6	319.8	359.5	382.9	-
Finance, insurance, and real estate³		6,571	6,599	6,679	6,687	6,705	4,766	4,782	4,817	4,815	4,825
Finance		3,289	3,293	3,313	3,313	3,319	-	-	-	-	-
Banking	60	1,726.4	1,728.9	1,743.5	1,742.5	-	1,236.0	1,236.3	1,244.0	1,240.1	-
Commercial and stock savings banks	602	1,554.8	1,555.9	1,562.2	1,560.8	-	1,109.6	1,109.1	1,110.7	1,106.8	-
State banks, Federal Reserve	6022	344.8	344.8	344.2	343.6	-	-	-	-	-	-
State banks, not Federal Reserve	6023,4	371.5	372.4	377.6	377.2	-	-	-	-	-	-
Mutual savings banks	603	83.9	84.2	87.2	86.7	-	-	-	-	-	-
Credit agencies other than banks	61	889.7	890.3	901.3	900.9	-	661.3	660.6	671.3	670.6	-
Savings and loan associations	612	396.3	395.6	393.6	393.2	-	300.9	299.7	297.7	297.0	-
Federal savings and loan associations	6122	221.1	222.1	222.6	222.5	-	-	-	-	-	-
State associations, insured	6123	170.4	168.7	166.3	166.1	-	-	-	-	-	-
Personal credit institutions	614	243.0	244.9	254.1	253.7	-	187.1	188.6	197.3	197.2	-
Business credit institutions	615	60.5	61.4	73.6	75.1	-	-	-	-	-	-
Mortgage bankers and brokers	616	166.7	165.0	158.3	157.3	-	-	-	-	-	-
Security, commodity brokers, and services	62	462.5	462.0	450.1	448.2	-	-	-	-	-	-
Security brokers and dealers	621	358.8	358.3	343.1	341.4	-	-	-	-	-	-
Holding and other investment offices	67	210.7	212.0	218.3	221.0	-	-	-	-	-	-
Insurance		2,051	2,058	2,094	2,100	2,101	-	-	-	-	-
Insurance carriers	63	1,436.4	1,441.1	1,460.6	1,465.5	-	959.8	962.3	968.4	970.4	-
Life insurance	631	591.1	591.4	595.1	595.8	-	355.5	354.5	355.4	356.1	-
Medical service and health insurance	632	201.1	201.7	210.5	212.1	-	162.5	163.3	170.5	171.9	-
Fire, marine, and casualty insurance	633	543.1	545.8	550.0	553.1	-	365.7	367.4	363.0	363.4	-
Title insurance	636	54.5	55.5	56.3	55.6	-	-	-	-	-	-
Insurance agents, brokers, and service	64	614.8	617.0	633.4	634.0	-	-	-	-	-	-

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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Finance, insurance, and real estate—Continued											
Real estate, and combined real estate, insurance, etc		1,231	1,248	1,272	1,274	1,285	-	-	-	-	-
Real estate	65	1,220.7	1,238.0	1,262.4	1,264.5	-	-	-	-	-	
Real estate operators and lessors	651	514.0	522.9	532.2	530.3	-	-	-	-	-	
Real estate agents and managers	653	533.9	536.9	547.5	551.0	-	-	-	-	-	
Subdividers and developers	655	140.8	145.8	150.0	150.0	-	-	-	-	-	
Combined real estate, insurance, etc	66	10.1	10.0	9.4	9.4	-	-	-	-	-	
Services		24,718	24,978	25,701	26,005	26,270	21,586	21,822	22,394	22,684	22,915
Hotels and other lodging places	70	1,472.3	1,496.4	1,549.4	1,561.4	-	-	-	-	-	
Hotels, motels, and tourist courts	701	1,434.7	1,456.8	1,509.0	1,519.5	-	1,275.9	1,296.4	1,337.8	1,349.6	
Personal services	72	1,235.0	1,244.6	1,247.7	1,279.8	-	-	-	-	-	
Laundry, cleaning, and garment services	721	405.4	408.6	414.7	413.1	-	360.5	363.7	368.1	366.7	
Photographic studios, portrait	722	55.5	56.1	52.1	51.6	-	-	-	-	-	
Beauty shops	723	357.2	356.8	359.7	359.6	-	319.5	319.0	320.4	320.5	
Funeral service and crematories	726	77.2	77.4	79.1	79.2	-	-	-	-	-	
Business services	73	5,287.9	5,345.4	5,499.0	5,520.9	5,555.1	4,512.0	4,563.7	4,675.6	4,690.6	
Advertising	731	212.5	213.7	218.1	218.5	-	158.2	159.7	161.0	161.6	
Advertising agencies	7311	157.4	158.1	161.3	162.2	-	-	-	-	-	
Credit reporting and collection	732	94.7	95.2	96.2	96.4	-	-	-	-	-	
Mailing, reproduction, and stenographic	733	227.7	230.8	256.1	257.2	-	-	-	-	-	
Services to buildings	734	703.6	705.1	711.9	716.4	-	636.9	638.9	644.8	649.0	
Personnel supply services	736	1,213.7	1,247.9	1,247.0	1,245.6	-	-	-	-	-	
Employment agencies	7361	186.4	187.3	184.7	185.2	-	-	-	-	-	
Temporary help supply services	7362	944.5	978.1	977.9	976.1	-	-	-	-	-	
Computer and data processing services	737	699.4	707.0	772.3	777.2	-	547.7	552.1	602.6	605.2	
Computer programming and software	7372	264.9	268.2	299.1	299.4	-	-	-	-	-	
Data processing services	7374	318.8	322.0	347.4	351.8	-	-	-	-	-	
Miscellaneous business services	739	2,127.0	2,136.3	2,186.5	2,198.6	-	-	-	-	-	
Research development laboratories, nec	7391	196.7	197.5	202.0	202.6	-	-	-	-	-	
Management and public relations	7392	604.4	611.2	611.9	619.4	-	-	-	-	-	
Detective and protective services	7393	455.8	459.9	470.8	472.5	-	-	-	-	-	
Equipment rental and leasing	7394	247.4	249.3	258.4	260.7	-	-	-	-	-	
Photofinishing laboratories	7395	76.4	75.9	78.3	76.5	-	-	-	-	-	
Auto repair, services, and garages	75	809.2	819.3	841.4	846.7	-	671.9	680.5	692.1	695.2	
Automotive rentals, without drivers	751	161.4	163.9	172.2	172.7	-	-	-	-	-	
Automotive repair shops	753	482.5	488.4	507.8	509.7	-	396.9	401.6	416.8	417.1	
Miscellaneous repair services	76	327.8	332.9	347.9	349.2	-	270.3	275.0	282.5	283.2	
Electrical repair shops	762	106.8	107.8	120.9	121.5	-	-	-	-	-	
Motion pictures	78	228.3	233.9	237.7	238.1	-	191.4	194.3	199.3	201.3	
Motion picture production and services	781	113.6	116.3	122.8	125.4	-	91.1	91.3	98.7	102.7	
Motion picture theaters	783	99.7	102.0	99.4	96.0	-	-	-	-	-	
Amusement and recreation services	79	600.1	628.3	638.7	651.5	-	671.4	699.4	718.1	731.2	
Health services	80	7,037.3	7,081.4	7,478.6	7,522.7	7,582.4	6,253.7	6,292.9	6,645.7	6,687.6	
Offices of physicians	801	1,101.4	1,107.1	1,195.3	1,202.5	-	902.2	906.6	980.8	987.0	
Offices of dentists	802	479.8	482.5	503.7	506.7	-	422.2	424.3	441.7	444.1	
Nursing and personal care facilities	805	1,302.6	1,309.8	1,350.4	1,355.4	-	1,176.0	1,182.0	1,219.9	1,225.1	
Skilled nursing care facilities	8051	871.9	876.4	903.3	906.1	-	-	-	-	-	
Nursing and personal care, nec	8059	430.7	433.4	447.1	449.3	-	-	-	-	-	
Hospitals	806	3,258.0	3,278.9	3,431.6	3,446.9	-	2,975.7	2,995.4	3,137.5	3,152.3	
General medical and surgical hospitals	8062	3,036.3	3,055.6	3,196.6	3,210.4	-	-	-	-	-	
Psychiatric hospitals	8063	79.1	79.9	83.9	84.8	-	-	-	-	-	
Specialty hospitals, excluding psychiatric	8069	142.6	143.4	151.1	151.7	-	-	-	-	-	
Medical and dental laboratories	807	141.8	142.9	156.9	161.3	-	-	-	-	-	
Outpatient care facilities	808	273.2	275.1	316.4	320.9	-	-	-	-	-	

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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Services—Continued											
Legal services	81	805.6	807.1	842.8	846.2	-	673.3	675.2	702.9	704.7	-
Educational services	82	1,561.8	1,570.6	1,500.9	1,612.8	-	-	-	-	-	-
Elementary and secondary schools	821	384.8	385.8	388.5	393.2	-	-	-	-	-	-
Colleges and universities	822	1,007.5	1,013.3	932.0	1,034.9	-	-	-	-	-	-
Correspondence and vocational schools	824	80.2	80.9	81.8	83.5	-	-	-	-	-	-
Social services	83	1,555.5	1,572.7	1,638.3	1,661.5	-	-	-	-	-	-
Individual and family services	832	300.6	305.4	308.4	312.0	-	-	-	-	-	-
Job training and related services	833	225.0	226.7	216.2	218.2	-	-	-	-	-	-
Residential care	836	362.7	365.4	387.3	390.7	-	-	-	-	-	-
Museums, botanical and zoological gardens	84	47.2	48.0	46.6	46.8	-	-	-	-	-	-
Membership organizations	86	1,579.9	1,589.7	1,590.4	1,607.2	-	-	-	-	-	-
Business associations	861	91.6	92.5	93.1	93.5	-	-	-	-	-	-
Labor organizations	863	133.2	135.4	133.8	134.8	-	-	-	-	-	-
Civic and social associations	864	366.0	371.3	369.6	384.5	-	-	-	-	-	-
Miscellaneous services	89	1,374.6	1,386.5	1,442.1	1,462.9	-	1,112.6	1,122.5	1,154.7	1,172.9	-
Engineering and architectural services	891	728.8	733.7	778.6	778.5	-	608.8	612.6	643.1	643.1	-
Noncommercial research organizations	892	123.9	124.7	128.9	130.6	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	893	494.2	500.6	504.6	523.7	-	384.5	390.2	387.3	404.1	-
Government		17,529	17,671	17,552	17,908	17,988	-	-	-	-	-
Federal Government ⁴		2,955	2,964	2,960	2,969	2,978	-	-	-	-	-
Executive, by agency ⁴		2,896.7	2,905.6	2,900.9	-	-	-	-	-	-	-
Department of Defense		976.1	973.0	958.6	-	-	-	-	-	-	-
Postal Service ⁵		822.5	827.1	837.4	-	-	-	-	-	-	-
Other executive agencies		1,098.1	1,105.5	1,104.9	-	-	-	-	-	-	-
Legislative		37.6	37.7	37.6	-	-	-	-	-	-	-
Judicial		20.4	20.5	21.1	-	-	-	-	-	-	-
Federal government, by industry:											
Manufacturing activities		122.7	122.5	123.3	123.7	-	-	-	-	-	-
Shipbuilding and repairing	3731	74.4	74.0	74.2	74.2	-	-	-	-	-	-
Transportation and public utilities, except Postal Service		44.0	44.3	38.2	39.0	-	-	-	-	-	-
Services		423.4	422.0	432.5	431.5	-	-	-	-	-	-
Hospitals	806	250.3	249.4	248.1	248.3	-	-	-	-	-	-
State government		4,109	4,140	4,035	4,177	4,192	-	-	-	-	-
Hospitals	806	441.5	443.8	447.7	446.5	-	-	-	-	-	-
Education	82	1,718.5	1,739.6	1,597.8	1,735.1	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		1,412.2	1,417.8	1,446.0	1,452.1	-	-	-	-	-	-
Local government		10,465	10,567	10,557	10,762	10,818	-	-	-	-	-
Transportation and public utilities		491.6	488.2	497.7	495.3	-	-	-	-	-	-
Hospitals	806	624.7	627.7	646.7	649.7	-	-	-	-	-	-
Education	82	5,991.8	6,059.9	5,982.5	6,165.3	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		3,028.3	3,056.5	3,082.2	3,096.0	-	-	-	-	-	-

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 1987 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1987 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	Dec. 1987	Jan. 1988	Nov. 1988	Dec. 1988	Jan. 1989
Total	48,971	48,130	50,634	50,909	50,021
Total private	39,926	39,177	41,293	41,633	40,880
Goods-producing	7,015	6,955	7,224	7,202	7,156
Mining	96	96	98	98	98
Construction	541	534	590	589	583
Manufacturing	6,378	6,325	6,536	6,515	6,475
Durable goods	3,066	3,047	3,145	3,141	3,127
Lumber and wood products	120	119	124	123	122
Furniture and fixtures	168	168	170	170	170
Stone, clay, and glass products	116	114	119	119	117
Primary metal industries	105	104	109	109	109
Fabricated metal products	326	324	336	336	336
Machinery, except electrical	464	466	467	488	490
Electrical and electronic equipment	886	882	900	896	888
Transportation equipment	401	395	400	403	403
Instruments and related products	307	306	316	319	319
Miscellaneous manufacturing	174	169	183	178	173
Nondurable goods	3,312	3,276	3,391	3,374	3,348
Food and kindred products	518	503	543	528	511
Tobacco manufactures	19	19	19	19	18
Textile mill products	354	351	350	349	348
Apparel and other textile products	882	874	879	875	872
Paper and allied products	167	165	171	170	167
Printing and publishing	663	663	693	697	697
Chemicals and allied products	302	301	314	315	316
Petroleum and coal products	24	23	26	26	26
Rubber and misc. plastics products	297	296	309	310	309
Leather and leather products	87	85	87	85	84
Service-producing	41,956	41,175	43,410	43,707	42,865
Transportation and public utilities	1,585	1,575	1,653	1,660	1,650
Wholesale trade	1,796	1,783	1,902	1,913	1,898
Retail trade	10,455	9,915	10,522	10,772	10,230
Finance, insurance, and real estate	4,127	4,119	4,196	4,215	4,197
Services	14,948	14,830	15,796	15,871	15,749
Government	9,045	8,908	9,341	9,276	9,141
Federal	1,057	1,051	1,061	1,062	1,055
State	1,992	1,943	2,066	2,050	1,994
Local	5,996	5,914	6,214	6,164	6,092

NOTE: Establishment survey estimates are currently projected from March 1987 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1987 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	1988										1989		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^P	Mar. ^P
Total	105,020	105,281	105,489	106,057	106,271	106,425	106,737	106,973	107,419	107,641	108,065	108,345	108,525
Total private	87,700	87,973	88,139	88,678	88,941	89,066	89,205	89,481	89,855	90,100	90,506	90,718	90,895
Goods-producing	25,330	25,435	25,466	25,592	25,663	25,639	25,648	25,743	25,849	25,889	26,048	26,014	25,988
Mining	733	737	739	740	740	739	734	729	722	719	718	717	722
Oil and gas extraction	419	421	425	425	424	423	419	413	406	402	400	402	407
Construction	5,192	5,238	5,237	5,308	5,330	5,340	5,365	5,366	5,413	5,430	5,537	5,515	5,466
General building contractors	1,383	1,400	1,394	1,412	1,400	1,401	1,404	1,393	1,406	1,414	1,444	1,435	1,411
Manufacturing	19,405	19,460	19,490	19,544	19,593	19,560	19,549	19,648	19,714	19,740	19,793	19,782	19,800
Durable goods	11,411	11,459	11,477	11,515	11,566	11,547	11,537	11,595	11,637	11,651	11,686	11,667	11,870
Lumber and wood products	755	758	757	757	756	753	753	760	767	771	775	768	766
Furniture and fixtures	534	535	537	537	541	537	538	540	541	540	540	542	544
Stone, clay, and glass products	585	587	585	587	589	586	585	588	590	592	593	593	591
Primary metal industries	772	773	778	781	789	785	787	794	796	794	796	794	794
Blast furnaces and basic steel products	281	281	281	281	282	281	280	282	282	280	281	281	281
Fabricated metal products	1,439	1,444	1,448	1,457	1,464	1,458	1,460	1,469	1,474	1,479	1,487	1,488	1,489
Machinery, except electrical	2,099	2,111	2,121	2,134	2,151	2,156	2,159	2,173	2,185	2,190	2,198	2,204	2,208
Electrical and electronic equipment	2,115	2,117	2,115	2,120	2,122	2,126	2,124	2,126	2,130	2,123	2,118	2,114	2,110
Transportation equipment	2,025	2,045	2,048	2,047	2,052	2,044	2,032	2,045	2,050	2,051	2,066	2,049	2,051
Motor vehicles and equipment	835	848	851	850	857	855	849	859	860	858	872	858	857
Instruments and related products	705	706	709	713	715	718	716	719	721	728	727	728	730
Miscellaneous manufacturing	382	383	381	382	387	384	383	381	383	385	386	387	367
Nondurable goods	7,994	8,001	8,013	8,029	8,027	8,013	8,012	8,053	8,077	8,089	8,107	8,115	8,130
Food and kindred products	1,647	1,648	1,643	1,645	1,631	1,630	1,632	1,654	1,661	1,656	1,663	1,659	1,662
Tobacco manufactures	54	54	52	53	52	52	51	52	53	53	52	53	53
Textile mill products	729	727	728	727	726	719	722	722	723	722	727	725	724
Apparel and other textile products	1,106	1,100	1,100	1,097	1,096	1,089	1,087	1,086	1,093	1,096	1,097	1,102	1,107
Paper and allied products	687	687	689	691	692	691	688	691	691	692	692	691	691
Printing and publishing	1,548	1,554	1,559	1,565	1,567	1,572	1,575	1,581	1,583	1,592	1,598	1,598	1,604
Chemicals and allied products	1,052	1,056	1,060	1,065	1,067	1,070	1,069	1,071	1,073	1,076	1,080	1,082	1,082
Petroleum and coal products	184	185	186	187	167	167	168	169	169	168	166	167	167
Rubber and misc. plastics products	860	864	870	873	882	878	874	862	867	890	887	892	894
Leather and leather products	147	146	146	146	147	145	146	145	144	144	145	146	146
Service-producing	79,690	79,846	80,023	80,465	80,608	80,786	81,089	81,230	81,570	81,752	82,017	82,331	82,537
Transportation and public utilities	5,530	5,543	5,556	5,562	5,598	5,605	5,618	5,631	5,658	5,670	5,692	5,706	5,697
Transportation	3,285	3,298	3,308	3,332	3,345	3,351	3,366	3,380	3,407	3,422	3,441	3,455	3,445
Communication and public utilities	2,245	2,245	2,248	2,250	2,253	2,254	2,252	2,251	2,251	2,248	2,251	2,251	2,252
Wholesale trade	6,061	6,089	6,115	6,148	6,174	6,192	6,219	6,246	6,275	6,301	6,332	6,360	6,385
Durable goods	3,581	3,610	3,635	3,660	3,681	3,696	3,714	3,736	3,758	3,779	3,798	3,816	3,835
Nondurable goods	2,479	2,479	2,480	2,468	2,493	2,496	2,505	2,510	2,517	2,522	2,536	2,544	2,550
Retail trade	19,050	19,093	19,130	19,205	19,261	19,279	19,291	19,327	19,401	19,429	19,558	19,815	19,691
General merchandise stores	2,543	2,546	2,541	2,549	2,545	2,539	2,533	2,520	2,533	2,544	2,563	2,570	2,603
Food stores	3,044	3,049	3,053	3,080	3,097	3,106	3,110	3,143	3,157	3,177	3,195	3,197	3,214
Automotive dealers and service stations	2,055	2,064	2,070	2,076	2,088	2,095	2,095	2,103	2,106	2,106	2,109	2,118	2,114
Eating and drinking places	6,319	6,326	6,336	6,352	6,369	6,377	6,384	6,415	6,440	6,449	6,466	6,493	6,514
Finance, insurance, and real estate	6,651	6,650	6,656	6,679	6,684	6,689	6,692	6,708	6,725	6,741	6,733	6,755	6,758
Finance	3,306	3,302	3,299	3,304	3,300	3,298	3,300	3,308	3,314	3,325	3,320	3,330	3,332
Insurance	2,060	2,065	2,067	2,074	2,077	2,081	2,063	2,069	2,092	2,101	2,096	2,102	2,103
Real estate	1,285	1,283	1,290	1,301	1,307	1,310	1,309	1,311	1,319	1,315	1,317	1,323	1,323
Services	25,078	25,163	25,216	25,472	25,561	25,882	25,737	25,826	25,947	26,070	26,145	26,268	26,376
Business services	5,405	5,420	5,443	5,480	5,500	5,512	5,538	5,553	5,563	5,605	5,583	5,622	5,617
Health services	7,088	7,126	7,153	7,203	7,238	7,271	7,323	7,385	7,414	7,466	7,494	7,545	7,598
Government	17,320	17,308	17,350	17,379	17,330	17,359	17,532	17,492	17,564	17,541	17,559	17,627	17,630
Federal	2,970	2,963	2,957	2,951	2,951	2,956	2,989	2,989	2,989	2,990	2,981	2,987	2,984
State	4,031	4,041	4,050	4,049	4,059	4,070	4,086	4,074	4,071	4,071	4,063	4,079	4,082
Local	10,319	10,304	10,343	10,379	10,320	10,333	10,457	10,433	10,501	10,480	10,515	10,561	10,564

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1987

benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1984 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	1988												1989
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total	48,396	48,615	48,772	48,865	48,999	49,306	49,371	49,491	49,658	49,739	49,994	50,146	50,347
Total private	39,573	39,767	39,881	39,969	40,075	40,357	40,459	40,549	40,646	40,743	40,941	41,111	41,294
Goods-producing	7,022	7,028	7,040	7,058	7,082	7,103	7,125	7,112	7,116	7,142	7,173	7,190	7,227
Mining	96	96	96	97	97	99	97	100	98	98	98	98	98
Construction	546	549	552	558	566	569	574	578	581	582	585	591	597
Manufacturing	6,380	6,383	6,392	6,403	6,419	6,435	6,454	6,434	6,437	6,462	6,490	6,501	6,532
Durable goods	3,059	3,062	3,067	3,077	3,085	3,096	3,112	3,107	3,106	3,114	3,124	3,130	3,141
Lumber and wood products	122	122	122	123	123	123	123	123	123	123	125	125	126
Furniture and fixtures	167	166	166	166	167	166	168	166	168	168	168	169	169
Stone, clay, and glass products	116	116	116	117	118	117	119	118	117	117	118	120	119
Primary metal industries	104	105	104	105	106	108	107	107	108	108	109	109	109
Fabricated metal products	325	325	326	327	329	331	333	332	331	332	334	334	337
Machinery, except electrical	466	467	469	471	473	476	480	482	483	485	488	487	490
Electrical and electronic equipment	882	882	885	886	885	890	891	891	890	893	893	890	888
Transportation equipment	396	393	393	396	397	397	398	396	394	397	397	400	404
Instruments and related products	306	308	308	308	309	311	313	314	314	315	315	318	319
Miscellaneous manufacturing	175	178	178	178	178	177	180	178	178	176	177	178	180
Nondurable goods	3,321	3,321	3,325	3,326	3,334	3,339	3,342	3,327	3,331	3,348	3,366	3,371	3,391
Food and kindred products	528	528	526	528	526	526	521	514	519	528	534	531	537
Tobacco manufactures	18	18	17	17	17	17	18	18	17	17	18	18	17
Textile mill products	353	353	352	350	351	351	351	347	347	347	348	348	350
Apparel and other textile products	881	879	880	875	877	874	874	868	867	867	873	875	879
Paper and allied products	167	167	167	167	167	168	169	169	169	169	170	170	170
Printing and publishing	664	666	669	672	673	677	679	683	683	687	689	694	698
Chemicals and allied products	303	304	305	307	309	311	311	313	313	315	315	315	319
Petroleum and coal products	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Rubber and misc. plastics products	296	296	298	300	303	304	307	304	304	305	308	309	309
Leather and leather products	87	86	87	86	86	86	87	85	86	86	85	85	85
Service-producing	41,374	41,587	41,732	41,807	41,917	42,203	42,246	42,379	42,542	42,597	42,821	42,956	43,120
Transportation and public utilities	1,580	1,588	1,599	1,602	1,610	1,625	1,625	1,632	1,630	1,634	1,643	1,650	1,655
Wholesale trade	1,795	1,802	1,813	1,813	1,826	1,838	1,848	1,854	1,864	1,874	1,887	1,902	1,911
Retail trade	10,056	10,127	10,123	10,130	10,161	10,192	10,198	10,218	10,232	10,232	10,265	10,279	10,375
Finance, insurance, and real estate	4,139	4,139	4,147	4,141	4,147	4,164	4,167	4,173	4,180	4,193	4,209	4,219	4,218
Services	14,981	15,083	15,159	15,225	15,249	15,435	15,496	15,560	15,624	15,668	15,764	15,871	15,908
Government	8,823	8,848	8,891	8,896	8,924	8,949	8,912	8,942	9,012	8,996	9,053	9,035	9,053
Federal	1,060	1,061	1,061	1,057	1,054	1,050	1,050	1,057	1,067	1,070	1,068	1,066	1,065
State	1,947	1,952	1,960	1,968	1,971	1,978	1,987	1,990	2,007	2,000	2,004	2,002	1,998
Local	5,816	5,835	5,870	5,871	5,899	5,921	5,875	5,895	5,938	5,926	5,981	5,967	5,990

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

NOTE: Establishment survey estimates are currently projected from March 1987 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1984 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	1988										1989		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^P	Mar. ^P
Total private	70,961	71,170	71,260	71,736	71,948	72,063	72,109	72,328	72,627	72,834	73,200	73,361	73,518
Goods-producing	17,839	17,909	17,925	18,025	18,085	18,058	18,049	18,124	18,210	18,240	18,363	18,327	18,314
Mining	529	533	535	535	535	536	530	527	519	517	516	516	521
Construction	4,059	4,096	4,088	4,149	4,168	4,170	4,187	4,185	4,226	4,242	4,329	4,300	4,250
Manufacturing	13,251	13,280	13,302	13,341	13,382	13,352	13,332	13,412	13,465	13,481	13,518	13,511	13,543
Durable goods	7,598	7,632	7,649	7,676	7,720	7,705	7,689	7,733	7,765	7,776	7,799	7,782	7,791
Lumber and wood products	631	633	632	634	630	628	626	632	638	641	646	639	639
Furniture and fixtures	426	427	429	429	432	428	430	432	433	433	432	434	436
Stone, clay, and glass products	455	457	455	457	460	457	455	457	459	461	462	461	460
Primary metal industries	588	591	594	599	605	601	603	609	610	610	609	609	608
Blast furnaces and basic steel products	217	219	218	219	220	218	216	218	218	217	218	218	217
Fabricated metal products	1,071	1,073	1,079	1,085	1,091	1,087	1,088	1,096	1,100	1,103	1,110	1,109	1,108
Machinery, except electrical	1,256	1,262	1,269	1,273	1,287	1,289	1,289	1,299	1,310	1,316	1,321	1,329	1,331
Electrical and electronic equipment	1,242	1,244	1,244	1,250	1,254	1,256	1,254	1,257	1,261	1,253	1,249	1,244	1,245
Transportation equipment	1,261	1,276	1,278	1,276	1,284	1,284	1,269	1,276	1,277	1,277	1,287	1,273	1,278
Motor vehicles and equipment	648	658	660	660	671	674	664	672	671	669	679	666	664
Instruments and related products	388	389	391	394	395	396	396	399	400	403	402	402	404
Miscellaneous manufacturing	280	280	278	279	282	279	279	276	277	279	281	282	282
Nondurable goods	5,653	5,648	5,653	5,665	5,662	5,647	5,643	5,679	5,700	5,705	5,719	5,729	5,752
Food and kindred products	1,168	1,169	1,164	1,168	1,153	1,151	1,153	1,174	1,181	1,176	1,184	1,185	1,189
Tobacco manufactures	41	40	39	40	39	38	37	38	40	40	38	39	40
Textile mill products	634	632	632	630	632	622	626	626	626	625	630	629	629
Apparel and other textile products	930	926	925	923	922	916	915	916	922	924	927	931	937
Paper and allied products	521	520	521	523	524	524	520	521	522	522	521	520	522
Printing and publishing	870	871	872	875	876	879	880	883	885	889	890	890	894
Chemicals and allied products	592	593	596	599	600	603	601	603	603	605	608	609	611
Petroleum and coal products	107	107	108	108	108	109	109	110	110	110	108	108	108
Rubber and misc. plastics products	669	670	676	679	687	685	682	688	692	695	693	697	700
Leather and leather products	121	120	120	120	121	120	120	120	119	119	120	121	122
Service-producing	53,122	53,261	53,335	53,711	53,863	54,005	54,060	54,204	54,417	54,594	54,837	55,034	55,204
Transportation and public utilities	4,587	4,600	4,611	4,632	4,648	4,661	4,656	4,672	4,701	4,718	4,733	4,746	4,737
Wholesale trade	4,881	4,902	4,924	4,956	4,975	4,990	5,011	5,030	5,054	5,071	5,096	5,120	5,141
Retail trade	16,897	16,949	16,949	17,028	17,070	17,087	17,078	17,109	17,163	17,187	17,309	17,354	17,427
Finance, insurance, and real estate	4,825	4,823	4,828	4,842	4,844	4,851	4,847	4,855	4,865	4,865	4,871	4,878	4,869
Services	21,932	21,987	22,023	22,253	22,326	22,416	22,468	22,538	22,634	22,753	22,828	22,936	23,030

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 1987 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1984 forward are subject to revision.

**ESTABLISHMENT DATA
DIFFUSION INDEXES
SEASONALLY ADJUSTED**

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

(Percent)

Year	Private nonagricultural payrolls, 349 industries ¹											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span												
1977	63.5	60.5	70.3	67.9	68.6	63.8	64.5	61.3	65.9	61.3	67.0	67.9
1978	62.5	64.3	70.2	70.1	64.6	67.6	61.6	62.2	62.0	64.3	70.9	66.6
1979	63.9	61.0	64.8	52.7	61.6	61.3	55.7	53.2	50.7	61.3	54.2	53.9
1980	54.6	53.4	49.7	37.4	40.8	38.0	42.3	59.0	55.7	63.8	59.3	58.6
1981	58.5	52.7	54.0	64.5	57.0	53.3	57.7	51.3	45.8	42.3	40.3	36.0
1982	37.2	47.3	40.1	41.5	49.3	38.1	42.8	39.1	44.7	36.2	40.1	43.6
1983	55.0	47.9	60.2	65.6	66.3	66.5	67.2	68.9	70.1	66.6	67.6	64.6
1984	67.9	71.1	65.0	68.1	62.6	68.9	60.2	60.5	57.7	63.6	59.2	57.4
1985	58.9	52.9	60.3	52.7	59.2	51.4	57.4	60.6	53.0	56.7	57.9	57.7
1986	56.4	51.9	53.3	55.7	54.9	51.4	55.3	56.7	55.3	54.0	59.3	60.2
1987	57.4	58.3	59.9	64.6	61.3	61.6	68.6	60.6	62.3	67.6	63.9	65.0
1988	60.3	64.6	64.0	63.0	58.9	66.6	62.3	56.2	54.0	62.5	68.9	61.7
1989	65.0	^P 57.2	^P 56.7									
Over 3-month span												
1977	70.2	74.5	76.4	79.2	74.8	72.1	69.3	72.1	70.5	73.5	73.6	72.5
1978	71.9	73.8	76.9	76.9	74.9	71.1	69.2	65.8	68.3	73.5	74.8	76.2
1979	69.5	71.8	65.8	66.2	62.0	64.0	58.9	53.3	57.6	58.6	62.2	56.2
1980	56.6	51.4	42.0	38.3	35.5	37.4	42.8	50.9	65.3	66.9	68.5	64.3
1981	59.5	55.6	58.9	64.6	63.3	60.7	57.0	52.4	43.3	40.0	34.0	30.9
1982	31.2	34.8	37.7	41.5	40.3	40.3	34.8	38.3	35.4	35.8	34.0	46.6
1983	48.4	57.0	62.6	71.9	72.1	74.4	72.6	77.2	77.2	74.6	71.6	73.9
1984	74.9	75.2	77.7	72.6	73.6	69.2	68.3	64.9	64.0	63.0	61.3	61.2
1985	58.2	58.9	55.7	58.2	54.9	57.7	57.0	58.7	58.3	56.7	59.7	59.3
1986	56.9	53.2	52.7	55.7	54.7	53.4	55.4	58.2	56.7	60.3	61.3	63.6
1987	61.3	62.2	67.3	68.9	69.3	69.8	71.5	72.5	72.1	73.4	74.5	68.2
1988	70.6	68.8	68.3	67.2	69.1	69.8	68.8	61.9	62.6	68.3	71.9	73.4
1989	^P 68.3	^P 66.2										
Over 6-month span												
1977	79.1	81.8	78.7	78.4	78.1	79.7	76.2	76.2	77.5	76.6	78.1	78.4
1978	77.8	81.4	81.2	79.8	78.7	76.2	73.6	76.9	75.6	76.8	76.1	77.8
1979	74.6	73.9	71.2	66.8	63.2	57.9	62.9	59.5	57.7	58.6	60.9	57.7
1980	48.6	44.7	41.1	37.4	37.1	37.5	44.4	51.9	61.2	70.9	68.9	66.2
1981	66.5	65.2	62.9	64.9	61.3	58.0	50.3	43.0	39.0	32.2	32.5	28.7
1982	28.5	29.7	33.0	38.8	37.2	36.8	34.5	33.8	34.8	38.1	39.1	43.1
1983	55.2	62.2	67.3	71.1	76.4	78.2	79.4	79.5	78.2	77.4	78.1	77.5
1984	78.7	78.8	80.1	77.5	73.9	72.9	70.1	68.6	64.5	63.5	61.7	63.0
1985	58.3	59.5	57.9	57.3	58.5	57.2	56.9	56.6	60.0	60.3	57.9	55.4
1986	55.6	55.9	52.9	53.6	54.3	55.9	55.0	57.7	62.5	61.2	62.5	62.9
1987	69.2	66.3	66.3	70.1	72.5	75.2	76.9	77.4	78.5	74.2	74.4	75.6
1988	72.2	71.5	70.8	74.2	72.2	69.1	68.8	74.5	71.1	72.3	^P 73.4	^P 72.8
1989												
Over 12-month span												
1977	79.2	80.1	81.8	81.9	84.8	84.7	84.5	83.4	83.7	83.0	82.5	82.1
1978	81.9	82.2	81.8	81.9	83.0	82.8	83.4	81.4	81.7	75.8	78.1	75.5
1979	75.9	75.4	74.8	72.1	68.2	66.0	66.0	63.6	59.7	57.6	52.0	48.7
1980	47.0	46.4	46.8	45.3	43.7	43.8	43.6	42.8	44.3	50.6	57.2	62.2
1981	71.2	68.3	68.1	61.3	53.4	48.0	42.3	38.8	36.4	33.1	34.1	32.2
1982	32.4	31.1	29.7	30.4	30.4	31.4	35.0	35.1	38.8	43.4	46.7	51.4
1983	57.0	61.9	66.5	72.8	75.8	77.2	76.8	80.7	80.4	81.4	83.0	81.9
1984	81.7	79.5	78.7	77.1	76.2	74.1	73.1	70.2	69.1	65.2	63.8	61.5
1985	59.5	59.2	59.2	56.9	56.6	58.5	55.9	55.9	56.7	55.6	55.2	53.7
1986	54.4	54.6	53.9	55.6	55.2	56.3	57.2	59.3	60.0	61.7	61.9	65.2
1987	68.1	70.3	71.1	74.1	76.6	77.2	77.4	77.8	79.1	78.7	77.8	80.5
1988	77.2	78.1	74.2	73.9	75.6	75.6	77.8	^P 76.1	^P 74.4			
1989												

See footnotes at end of table.

**ESTABLISHMENT DATA
DIFFUSION INDEXES
SEASONALLY ADJUSTED**

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

(Percent)

Year	Manufacturing payrolls, 143 industries ¹											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span												
1977	66.0	59.9	68.4	70.9	67.0	59.6	60.3	54.3	62.1	57.4	63.1	70.2
1978	63.1	64.5	63.8	65.6	61.0	62.4	56.0	58.5	57.1	62.8	66.3	69.1
1979	60.3	55.0	58.9	50.4	55.7	61.7	50.0	45.0	41.1	57.4	46.8	47.9
1980	48.6	46.1	47.5	28.4	24.8	27.0	28.7	58.2	55.0	63.1	61.7	53.9
1981	53.2	45.0	55.0	63.1	61.3	56.7	56.0	42.2	39.4	30.5	29.4	23.4
1982	27.0	39.4	28.0	31.9	36.2	26.6	34.4	28.4	35.5	26.6	26.2	39.4
1983	53.2	48.6	55.3	67.0	67.4	59.9	68.8	64.9	68.1	70.9	62.4	62.1
1984	62.1	69.5	64.9	62.8	55.0	61.7	57.8	52.8	42.9	53.9	44.3	48.6
1985	47.5	40.4	43.6	36.9	42.9	40.1	48.2	45.7	37.6	45.7	45.0	47.9
1986	49.6	42.6	45.0	43.6	46.1	41.8	41.5	48.2	44.7	46.1	52.8	50.7
1987	46.8	52.5	53.9	56.4	58.9	55.7	67.7	56.0	64.2	64.2	64.2	61.0
1988	58.2	55.7	55.7	60.6	57.4	61.3	60.3	44.0	46.8	61.7	68.1	57.4
1989	61.0	^P 50.7	^P 55.7									
Over 3-month span												
1977	70.6	77.0	78.7	78.7	72.0	66.7	62.4	64.9	62.4	67.7	69.1	76.2
1978	77.0	72.3	72.3	69.9	69.1	62.8	61.3	58.2	62.4	67.0	70.9	73.4
1979	64.9	62.8	59.6	59.9	58.5	59.2	50.0	36.5	44.0	43.6	52.5	42.9
1980	44.7	40.4	28.4	20.2	18.4	19.5	27.7	39.7	64.2	67.7	67.4	61.3
1981	51.8	50.4	56.4	64.5	66.7	64.9	55.0	42.6	28.0	25.5	17.7	17.4
1982	17.0	19.1	21.3	22.0	22.0	22.3	18.1	18.8	20.6	18.4	17.7	33.3
1983	46.1	53.9	61.7	71.3	70.9	73.8	70.6	76.2	77.0	74.1	72.0	67.7
1984	71.6	71.3	73.4	65.2	63.8	59.9	59.2	50.7	47.5	42.9	45.7	45.0
1985	43.6	37.9	31.6	31.9	30.5	38.7	39.7	37.6	37.6	36.9	44.7	46.5
1986	42.6	40.4	37.6	39.0	39.4	38.7	39.0	42.9	44.3	48.9	53.2	51.8
1987	50.7	50.7	58.5	63.8	63.5	68.4	69.5	73.8	70.2	74.1	74.5	67.0
1988	66.0	61.0	62.8	64.5	66.7	68.8	61.3	52.1	53.5	65.6	70.9	69.5
1989	^P 61.7	^P 64.2										
Over 6-month span												
1977	81.6	81.9	79.1	77.3	75.2	74.8	67.7	68.4	70.9	75.2	80.5	77.7
1978	77.7	79.8	78.0	72.3	73.0	68.8	63.5	68.1	69.9	71.3	67.0	69.9
1979	68.4	66.3	62.1	58.2	52.1	43.6	48.2	41.5	39.7	40.1	42.6	42.9
1980	33.0	27.0	23.4	16.7	17.4	19.1	26.2	39.7	52.8	70.6	67.4	65.2
1981	65.2	62.8	62.8	68.1	61.7	55.3	40.1	29.1	22.3	17.0	18.4	12.4
1982	10.3	10.6	13.5	20.6	15.6	15.2	12.4	12.1	14.5	18.1	21.3	27.3
1983	46.8	59.6	64.9	67.0	75.5	76.2	78.7	77.3	76.2	74.8	75.9	74.8
1984	74.5	72.3	72.0	70.6	62.8	58.5	55.3	52.5	48.6	44.0	40.1	41.8
1985	34.8	34.4	28.4	31.9	32.6	32.3	32.6	33.0	39.4	39.7	39.9	37.2
1986	37.6	38.3	34.8	34.4	34.8	37.2	36.5	41.8	46.8	47.9	50.0	51.4
1987	58.5	57.1	57.1	66.7	69.1	74.5	75.5	76.6	79.4	74.1	72.7	72.3
1988	68.4	67.0	66.0	70.9	66.0	63.8	62.1	68.8	66.0	66.0	^P 68.8	^P 72.3
1989												
Over 12-month span												
1977	77.0	77.7	75.9	76.6	81.2	82.6	84.0	81.9	83.3	80.5	78.0	77.3
1978	75.2	77.7	76.2	77.0	77.0	77.0	75.2	70.6	70.9	65.6	69.1	64.9
1979	67.0	64.2	62.4	57.4	51.8	48.6	48.9	47.5	42.2	36.5	29.1	24.8
1980	20.6	22.3	23.8	25.2	23.0	22.3	21.3	22.7	23.8	30.5	45.7	59.6
1981	72.0	69.1	69.1	52.8	40.4	35.1	27.7	21.6	17.7	15.2	13.8	12.4
1982	12.1	12.4	9.2	11.3	8.2	9.9	13.5	14.2	15.2	21.6	25.5	33.7
1983	43.3	50.0	56.0	66.0	71.6	75.5	76.2	78.4	78.0	78.7	80.1	76.2
1984	77.0	72.3	68.1	66.0	62.4	61.0	57.8	54.6	50.4	44.0	40.1	33.7
1985	31.6	30.9	30.1	28.4	27.7	28.4	29.1	29.8	32.6	30.9	32.6	29.8
1986	30.9	30.1	34.8	34.8	36.2	39.0	38.3	39.7	42.9	45.0	48.2	50.4
1987	59.6	63.5	64.5	68.8	73.0	73.8	75.2	75.2	75.9	75.9	75.2	79.1
1988	74.1	72.3	68.8	70.6	72.0	70.9	72.3	^P 70.2	^P 68.4			
1989												

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

^P = preliminary.

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

equal balance between industries with increasing and decreasing employment.

Establishment survey estimates are currently projected from March 1987 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1984 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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a
Alabama	1,526.5	1,549.8	1,554.4	11.3	11.4	11.4	73.5	71.4	71.7
Birmingham	394.5	404.6	404.1	5.2	5.1	5.0	23.9	24.2	23.7
Huntsville	125.5	130.9	131.4	.1	.1	.1	5.3	5.3	5.4
Mobile	162.1	165.3	165.5	.6	.7	.7	9.7	10.1	10.0
Montgomery	127.1	129.8	130.1	.2	.1	.1	7.5	7.9	8.0
Tuscaloosa	60.0	62.3	62.3	2.6	2.7	2.7	2.9	2.8	2.8
Alaska	198.9	199.8	203.7	8.6	9.4	9.7	6.8	6.2	6.2
Arizona	1,413.0	1,409.9	1,427.9	11.7	12.2	12.3	92.3	89.3	88.6
Phoenix	933.0	929.0	939.6	.8	.7	.7	63.5	61.6	61.1
Tucson	249.5	248.2	250.9	1.7	2.0	2.0	17.2	16.1	16.0
Arkansas	841.5	857.8	863.5	4.0	4.1	4.0	29.9	30.5	29.4
Fayetteville-Springdale	49.8	50.3	50.9	(¹)	(¹)	(¹)	1.7	1.6	1.6
Fort Smith	75.9	75.3	75.3	1.0	.9	.9	2.6	2.5	2.4
Little Rock-North Little Rock	231.2	238.6	238.6	.4	.4	.4	9.2	9.4	9.2
Pine Bluff	32.5	33.1	33.3	(¹)	(¹)	(¹)	1.3	1.5	1.4
California	11,847.5	12,195.1	12,252.5	42.0	41.0	41.2	564.7	604.6	605.8
Anaheim-Santa Ana	1,115.0	1,132.3	1,141.4	1.5	1.3	1.3	64.2	64.6	65.0
Bakersfield	160.2	159.4	159.8	14.2	13.8	13.8	9.4	9.2	9.0
Fresno	203.8	207.3	208.2	.7	.6	.6	11.6	11.3	11.3
Los Angeles-Long Beach	4,063.2	4,143.9	4,162.5	9.8	9.5	9.4	143.8	148.7	149.5
Modesto	104.2	109.4	109.8	(¹)	(¹)	(¹)	6.8	7.2	7.2
Oakland	828.8	853.1	858.1	3.2	3.2	3.4	47.3	48.8	49.4
Oxnard-Ventura	209.8	216.3	216.0	2.8	2.8	2.8	13.0	13.5	13.1
Riverside-San Bernardino	622.8	633.5	635.0	1.4	1.3	1.3	50.3	52.7	52.8
Sacramento	554.6	580.6	584.6	.7	.6	.6	30.3	32.2	32.8
San Diego	890.5	928.6	933.4	.8	.8	.8	53.4	59.1	58.5
San Francisco	930.7	947.6	946.8	.9	.9	.9	33.5	34.8	34.7
San Jose	808.9	818.6	821.6	.1	.1	.1	31.9	32.4	32.7
Santa Barbara-Santa Maria-Lompoc	144.5	147.2	147.7	1.4	1.5	1.5	6.2	6.7	6.7
Santa Rosa-Petaluma	125.8	126.2	127.1	.7	.7	.7	7.9	7.5	7.2
Stockton	142.4	146.1	145.9	.1	.1	.1	7.7	7.9	8.0
Vallejo-Fairfield-Napa	125.1	129.7	130.2	.6	.5	.5	8.2	9.6	9.5
Colorado	1,410.0	1,419.7	1,421.6	20.8	20.2	19.8	54.5	52.3	50.4
Boulder-Longmont	106.3	107.4	107.7	.3	.3	.3	3.2	3.3	3.1
Denver	792.2	792.5	793.7	13.3	12.2	11.8	31.1	27.7	26.9
Connecticut	1,645.0	1,673.5	1,671.7	1.4	1.4	1.4	71.1	70.3	68.5
Bridgeport-Milford	199.6	201.6	200.9	(¹)	(¹)	(¹)	8.3	8.5	8.3
Hartford	476.1	486.6	485.3	.2	.2	.4	17.7	19.6	19.0
New Britain	64.5	65.1	65.1	(¹)	(¹)	(¹)	3.9	3.7	3.6
New Haven-Meriden	252.0	260.0	259.4	.3	.3	.3	12.2	13.6	13.2
Stamford	121.9	125.8	124.8	.5	.4	.5	4.8	5.2	5.0
Waterbury	85.4	87.5	87.8	(¹)	(¹)	(¹)	4.2	4.8	4.7
Delaware	319.9	333.2	333.9	.1	.1	.1	18.7	19.9	19.8
Wilmington	276.1	285.4	286.0	.2	.2	.2	16.3	17.1	16.9
District of Columbia	660.2	670.7	675.4	.1	.1	.1	13.5	12.8	12.9
Washington MSA	2,108.8	2,181.3	2,192.4	1.0	1.1	1.1	128.8	138.8	138.9
Florida	5,013.5	5,218.7	5,255.0	8.9	9.5	9.6	343.8	349.9	348.6
Daytona Beach	117.3	117.8	121.0	(¹)	(¹)	(¹)	8.2	8.6	8.5
Fort Lauderdale-Hollywood-Pompano Beach	481.8	498.4	499.7	.3	.3	.3	35.9	36.9	36.7
Fort Myers-Cape Coral	115.2	124.0	125.6	(¹)	(¹)	(¹)	12.7	14.3	14.3
Jacksonville	400.9	414.9	416.6	.6	.6	.6	26.3	27.2	27.6
Melbourne-Titusville-Palm Bay	149.3	156.3	157.3	(¹)	(¹)	(¹)	9.3	9.1	9.3
Miami-Hialeah	847.7	872.4	876.7	.9	.9	.9	40.2	39.4	39.4
Orlando	493.4	508.5	513.1	(¹)	(¹)	(¹)	36.1	37.5	37.9
Pensacola	123.0	124.7	125.0	.3	.4	.4	8.4	8.0	8.0
Sarasota	108.3	114.2	115.3	(¹)	(¹)	(¹)	10.1	10.4	10.5
Tallahassee	112.3	114.8	116.5	(¹)	(¹)	(¹)	5.6	5.7	5.7
Tampa-St. Petersburg-Clearwater	827.9	850.1	855.3	.7	.7	.7	58.6	57.6	57.0
West Palm Beach-Boca Raton-Delray Beach	343.1	363.7	367.5	(¹)	(¹)	(¹)	29.7	31.2	31.2

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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a
Alabama	375.0	381.0	383.6	78.1	79.2	79.5	329.7	344.7	341.8
Birmingham	56.1	58.3	58.5	31.5	32.1	32.1	96.8	100.2	99.4
Huntsville	31.6	33.5	33.4	2.9	2.9	3.0	23.9	25.0	24.9
Mobile	25.6	24.6	24.7	10.2	10.2	10.2	42.3	44.1	43.9
Montgomery	18.9	19.0	18.8	4.9	5.1	5.1	28.7	29.5	29.4
Tuscaloosa	9.8	10.1	10.0	1.9	2.0	2.0	12.4	12.8	12.7
Alaska	10.4	9.9	10.8	16.3	16.2	16.4	38.5	40.1	39.7
Arizona	188.1	188.9	189.2	73.4	72.3	72.8	347.0	352.8	354.8
Phoenix	136.9	137.9	138.3	50.6	50.3	50.4	235.9	239.0	240.5
Tucson	30.8	29.7	29.5	9.3	9.0	9.0	56.7	57.5	57.7
Arkansas	223.9	231.4	231.6	51.6	50.9	50.8	187.0	191.0	190.6
Fayetteville-Springdale	12.4	13.0	12.9	4.8	4.6	4.6	11.3	11.8	11.7
Fort Smith	26.8	25.9	25.7	4.1	4.3	4.3	15.5	15.3	15.0
Little Rock-North Little Rock	33.3	35.4	35.1	16.3	17.4	17.5	55.4	56.8	56.4
Pine Bluff	6.5	6.6	6.6	2.5	2.5	2.6	6.8	7.1	7.1
California	2,121.2	2,148.0	2,156.1	575.8	585.5	584.8	2,794.0	2,912.2	2,903.6
Anaheim-Santa Ana	253.3	257.0	257.6	33.6	34.0	33.9	274.5	285.9	285.6
Bakersfield	10.4	10.6	10.6	7.2	7.3	7.1	38.3	38.0	38.0
Fresno	20.8	21.5	21.6	11.2	11.5	11.4	52.2	52.7	52.3
Los Angeles-Long Beach	907.7	899.7	904.7	202.3	205.2	204.4	928.2	965.5	962.1
Modesto	21.6	23.1	23.3	4.3	4.7	4.8	27.4	28.9	28.6
Oakland	107.9	109.0	109.2	54.7	56.7	57.0	203.4	212.6	211.3
Oxnard-Ventura	30.3	30.2	30.3	11.3	11.0	10.9	51.3	54.2	53.8
Riverside-San Bernardino	81.8	81.6	81.3	30.5	30.1	30.3	156.0	158.2	156.1
Sacramento	39.7	41.8	41.7	24.1	25.3	25.4	134.2	139.3	138.8
San Diego	125.9	129.0	129.4	34.7	35.5	35.6	215.7	225.5	226.4
San Francisco	79.7	81.1	81.5	76.1	76.4	76.7	208.1	214.2	211.7
San Jose	268.3	275.3	275.5	21.3	21.3	21.3	159.4	161.1	159.7
Santa Barbara-Santa Maria-Lompoc	21.8	22.2	22.1	5.0	5.1	5.1	33.9	35.1	35.2
Santa Rosa-Petaluma	19.4	19.4	19.6	5.8	5.7	5.8	32.0	32.9	32.7
Stockton	22.6	23.5	23.5	8.1	9.0	8.8	33.0	34.6	34.2
Vallejo-Fairfield-Napa	11.4	11.9	12.1	4.5	4.6	4.6	30.0	32.2	31.8
Colorado	185.7	189.7	189.4	91.3	89.9	89.6	344.3	351.7	349.5
Boulder-Longmont	29.3	29.3	29.1	2.3	2.3	2.3	22.3	22.8	22.7
Denver	93.0	94.6	94.8	67.1	65.2	65.5	194.3	197.9	196.0
Connecticut	379.0	375.6	374.4	72.0	72.8	72.9	368.7	383.4	378.7
Bridgeport-Milford	57.9	56.7	56.8	8.3	8.3	8.3	45.8	46.8	45.9
Hartford	90.9	90.2	89.7	18.4	19.2	19.2	101.1	104.5	103.4
New Britain	19.5	19.4	19.3	3.1	3.2	3.1	13.3	13.6	13.7
New Haven-Meriden	47.5	47.6	47.5	17.3	17.9	17.9	58.3	60.5	60.0
Stamford	22.8	22.7	22.8	5.4	5.5	5.5	29.0	29.9	29.2
Waterbury	23.9	24.0	24.2	3.1	3.1	3.1	16.8	17.3	17.0
Delaware	69.0	71.5	72.0	13.9	13.9	14.2	69.4	72.9	72.1
Wilmington	58.7	61.1	61.4	14.9	15.0	15.0	58.3	60.3	59.9
District of Columbia	16.2	16.2	16.1	24.9	25.1	25.2	62.8	64.2	64.4
Washington MSA	86.7	87.1	86.8	101.7	109.7	110.1	420.4	431.3	428.0
Florida	540.7	545.3	546.6	256.7	263.3	263.8	1,367.1	1,434.5	1,440.0
Daytona Beach	12.3	11.9	12.0	3.6	3.7	3.7	34.4	35.4	36.2
Fort Lauderdale-Hollywood-Pompano Beach	45.8	47.2	47.0	22.6	23.7	23.6	145.7	150.8	150.5
Fort Myers-Cape Coral	5.7	6.3	6.4	5.0	5.5	5.6	34.5	36.4	36.9
Jacksonville	37.7	39.2	39.0	27.5	27.7	27.6	109.6	114.7	114.7
Melbourne-Titusville-Palm Bay	29.3	29.9	30.1	5.6	6.0	6.0	34.4	36.7	37.0
Miami-Hialeah	93.3	92.8	93.2	69.6	71.1	71.1	230.3	239.4	238.8
Orlando	57.0	57.4	57.1	24.9	26.1	26.2	128.4	133.6	134.6
Pensacola	11.1	11.1	11.1	6.3	6.7	6.6	31.0	31.0	31.0
Sarasota	8.4	8.9	8.9	3.4	3.4	3.4	32.8	34.0	34.3
Tallahassee	4.8	4.9	4.9	2.8	2.8	2.8	23.8	24.7	24.7
Tampa-St. Petersburg-Clearwater	94.9	97.0	97.2	38.3	39.6	39.8	229.6	235.2	236.8
West Palm Beach-Boca Raton-Delray Beach	35.9	34.9	34.9	12.3	12.7	12.8	93.0	101.7	102.9

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	Finance, insurance, and real estate			Services			Government		
	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P
Alabama	69.4	70.2	70.3	281.0	282.1	283.0	308.5	309.8	313.1
Birmingham	28.2	27.9	27.7	91.6	94.9	95.2	61.2	61.9	82.5
Huntsville	3.6	3.7	3.7	28.3	30.4	30.6	29.8	30.0	30.3
Mobile	8.0	8.0	8.0	37.8	38.8	39.1	28.1	28.8	28.9
Montgomery	7.5	7.7	7.6	27.1	28.4	28.4	32.3	32.1	32.7
Tuscaloosa	2.1	2.1	2.1	8.7	9.1	9.2	19.6	20.7	20.8
Alaska	10.8	10.5	10.6	40.8	41.3	41.9	68.7	66.2	88.4
Arizona	94.3	91.0	91.2	360.6	362.7	366.5	245.6	240.7	252.5
Phoenix	75.1	72.6	72.8	243.5	244.1	248.7	128.7	122.8	129.1
Tucson	12.3	11.8	11.7	88.5	68.8	69.7	53.0	53.3	55.3
Arkansas	37.2	37.4	37.4	157.3	161.6	164.7	150.6	150.9	155.0
Fayetteville-Springdale	1.5	1.4	1.5	7.4	7.9	7.9	10.7	10.0	10.7
Fort Smith	2.6	2.6	2.6	15.4	16.0	16.3	7.9	7.8	8.1
Little Rock-North Little Rock	15.5	15.8	15.7	54.3	56.4	56.8	48.8	47.0	47.5
Pine Bluff	1.4	1.4	1.4	6.3	6.5	6.6	7.7	7.5	7.6
California	803.7	818.8	819.0	3,011.5	3,103.0	3,137.2	1,934.6	1,984.0	2,004.8
Anaheim-Santa Ana	91.9	89.9	90.4	276.1	280.4	285.0	119.9	119.2	122.6
Bakersfield	6.3	6.4	6.5	33.7	32.9	33.1	40.7	41.2	41.7
Fresno	12.5	11.9	12.0	47.8	50.5	51.1	47.0	47.3	47.9
Los Angeles-Long Beach	283.2	286.1	286.7	1,082.1	1,107.5	1,121.2	506.1	521.7	524.5
Modesto	4.4	4.4	4.2	21.9	22.8	23.2	17.8	18.3	18.5
Oakland	54.9	55.6	55.7	196.1	202.3	205.4	161.3	164.9	166.7
Oxnard-Ventura	10.9	11.3	11.2	49.8	52.1	52.4	40.4	41.2	41.5
Riverside-San Bernardino	26.9	28.0	28.3	149.4	152.2	153.1	126.5	129.4	131.8
Sacramento	34.3	36.1	36.3	120.7	129.2	130.4	170.6	176.1	178.6
San Diego	62.5	64.2	64.4	235.6	247.3	249.7	161.9	167.2	188.6
San Francisco	111.0	111.0	110.5	286.0	293.1	293.9	135.4	136.1	136.9
San Jose	32.3	32.4	32.6	208.1	209.4	212.7	87.5	86.6	87.0
Santa Barbara-Santa Maria-Lompoc	8.6	8.6	8.7	39.6	40.1	40.0	28.0	27.9	28.4
Santa Rosa-Petaluma	8.3	8.5	8.5	28.3	28.2	28.5	23.4	23.3	24.1
Stockton	8.9	8.5	8.5	30.3	30.6	30.6	31.7	31.9	32.2
Vallejo-Fairfield-Napa	4.6	4.6	4.6	27.8	28.5	28.7	38.0	37.8	38.4
Colorado	95.5	93.8	93.6	349.4	356.7	357.8	268.5	265.4	271.5
Boulder-Longmont	4.0	4.0	4.0	22.4	23.2	23.2	22.5	22.2	23.0
Denver	63.2	61.8	61.7	203.2	206.3	207.4	127.0	126.8	129.8
Connecticut	151.6	154.2	153.9	393.0	407.9	409.7	208.2	207.9	212.2
Bridgeport-Milford	12.4	13.1	13.1	47.0	48.2	48.5	19.9	20.0	20.0
Hartford	76.2	75.8	75.7	109.8	114.0	114.4	61.8	63.1	63.5
New Britain	4.1	4.5	4.5	13.8	14.0	14.1	6.8	6.7	6.8
New Haven-Meriden	15.7	16.7	16.6	68.4	71.1	71.5	32.3	32.3	32.4
Stamford	13.4	14.3	14.3	35.2	36.9	36.7	10.8	10.9	10.8
Waterbury	4.4	4.6	4.7	20.4	21.1	21.2	12.6	12.6	12.9
Delaware	28.2	31.4	31.6	73.2	75.7	76.0	47.4	47.8	48.1
Wilmington	25.2	27.4	27.5	64.9	66.0	66.8	37.6	38.3	38.3
District of Columbia	34.6	34.6	34.6	237.6	244.3	248.7	270.6	273.4	273.3
Washington MSA	124.7	128.5	128.6	679.9	708.8	717.2	565.5	576.0	581.7
Florida	361.7	369.4	370.2	1,366.1	1,448.6	1,465.5	768.5	798.2	810.7
Daytona Beach	6.4	6.4	6.4	33.2	32.2	34.1	19.2	19.6	20.1
Fort Lauderdale-Hollywood-Pompano Beach	39.3	39.6	39.7	132.8	136.6	137.8	59.4	63.3	64.1
Fort Myers-Cape Coral	7.9	8.2	8.2	32.4	35.3	36.1	16.9	17.9	18.0
Jacksonville	37.9	39.3	39.5	101.9	105.6	106.7	59.4	60.6	60.9
Melbourne-Titusville-Palm Bay	5.5	5.7	5.7	43.9	47.1	47.4	21.2	21.7	21.7
Miami-Hialeah	70.2	72.1	72.0	232.3	238.8	242.1	110.9	117.9	119.2
Orlando	32.7	33.2	33.5	157.1	161.8	164.2	57.1	58.8	59.5
Pensacola	5.5	5.6	5.6	31.0	32.3	32.3	29.4	29.6	30.0
Sarasota	8.4	8.6	8.7	32.6	34.7	35.2	12.5	14.1	14.2
Tallahassee	4.9	4.9	5.0	23.3	23.8	23.9	46.9	47.7	49.2
Tampa-St. Petersburg-Clearwater	84.9	66.3	65.9	236.1	246.5	249.7	104.8	107.2	108.2
West Palm Beach-Boca Raton-Delray Beach	28.7	28.9	28.9	101.2	108.7	110.4	42.2	45.5	46.3

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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a
Georgia	2,818.2	2,921.3	2,930.7	8.7	9.0	9.0	146.1	138.7	137.1
Athens	63.9	66.0	66.7	.2	.1	.1	2.4	2.4	2.4
Atlanta	1,393.2	1,427.8	1,436.5	1.5	1.5	1.5	68.5	65.4	66.6
Augusta	157.2	159.1	159.2	.5	.5	.5	9.9	10.2	10.3
Columbus	92.6	94.1	94.3	.1	.1	.1	5.1	5.0	4.9
Macon-Warner Robins	118.2	121.5	121.6	.1	.1	.1	4.7	5.1	5.0
Savannah	103.1	105.4	104.8	(^b)	(^b)	(^b)	6.3	6.1	5.9
Hawaii	469.8	482.8	487.7	(^b)	(^b)	(^b)	21.4	24.4	25.1
Honolulu	372.5	380.1	384.4	(^b)	(^b)	(^b)	17.2	18.8	19.1
Idaho	332.8	347.1	346.8	2.8	3.4	3.5	10.9	12.1	11.5
Boise City	87.8	94.3	94.0	(^c)	(^c)	(^c)	4.1	4.4	4.1
Illinois	4,981.7	5,082.8	5,086.2	20.7	19.7	19.7	170.5	189.2	184.9
Aurora-Elgin	137.3	143.5	142.8	(^b)	(^b)	(^b)	5.6	6.7	6.6
Bloomington-Normal	57.4	60.6	61.1	(^b)	(^b)	(^b)	1.4	1.6	1.6
Champaign-Urbana-Rantoul	88.5	85.2	89.6	(^b)	(^b)	(^b)	2.3	2.5	2.4
Chicago	3,053.4	3,108.8	3,108.1	2.1	2.0	2.1	111.9	120.2	117.9
Davenport-Rock Island-Moline	154.6	155.4	155.8	(^b)	(^b)	(^b)	4.2	4.3	4.3
Decatur	51.4	52.1	52.3	(^b)	(^b)	(^b)	2.1	2.6	2.5
Joliet	96.7	98.4	98.4	(^b)	(^b)	(^b)	4.8	4.9	4.9
Kankakee	32.9	33.4	33.4	(^b)	(^b)	(^b)	1.1	1.1	1.1
Lake County	188.5	199.9	200.2	(^b)	(^b)	(^b)	7.7	8.7	8.6
Peoria	136.3	140.8	140.7	(^b)	(^b)	(^b)	4.7	5.5	5.4
Rockford	128.8	129.7	129.9	(^b)	(^b)	(^b)	3.9	4.0	3.9
Springfield	98.4	99.9	99.5	(^b)	(^b)	(^b)	2.3	2.6	2.5
Indiana	2,320.0	2,400.0	2,408.4	7.9	7.9	7.7	89.1	102.0	98.4
Anderson	47.8	49.3	49.1	(^c)	(^c)	(^c)	1.2	1.4	1.3
Bloomington	52.5	55.0	56.3	(^c)	(^c)	(^c)	1.7	2.1	2.0
Elkhart-Goshen	98.5	103.4	103.8	(^c)	(^c)	(^c)	2.4	2.8	2.7
Evansville	124.7	129.0	128.9	2.2	2.1	2.0	6.6	6.6	6.4
Fort Wayne	186.0	193.2	193.0	(^c)	(^c)	(^c)	8.2	9.1	8.8
Gary-Hammond	221.1	230.5	231.2	(^c)	(^c)	(^c)	10.3	12.6	12.3
Indianapolis	602.8	627.6	628.2	.8	.8	.8	27.7	30.6	29.9
Lafayette-West Lafayette	65.4	66.3	67.1	(^c)	(^c)	(^c)	2.5	3.5	3.5
Muncie	51.2	52.4	52.7	(^c)	(^c)	(^c)	1.7	1.9	1.8
South Bend-Mishawaka	112.3	116.4	116.0	(^c)	(^c)	(^c)	4.5	5.5	5.4
Terre Haute	53.5	53.0	53.5	.4	.3	.3	1.6	1.9	1.7
Iowa	1,115.7	1,158.4	1,165.4	1.7	1.9	1.8	27.5	32.0	30.1
Cedar Rapids	87.0	89.5	89.5	.1	.1	.1	2.7	2.8	2.7
Des Moines	208.8	216.5	215.7	(^b)	(^b)	(^b)	5.8	6.0	5.5
Dubuque	41.1	41.6	41.7	(^b)	(^b)	(^b)	.8	.9	.9
Sioux City	50.1	52.2	52.2	(^b)	(^b)	(^b)	1.6	1.5	1.5
Waterloo-Cedar Falls	62.2	63.9	65.0	(^b)	(^b)	(^b)	1.4	1.8	1.8
Kansas	1,011.4	1,030.5	1,038.2	10.7	9.7	9.4	35.4	36.8	35.3
Topeka	87.4	88.8	89.5	(^b)	(^b)	(^b)	2.8	2.9	2.8
Wichita	228.0	235.8	236.8	2.1	2.0	1.9	7.9	8.1	8.2
Kentucky	1,336.7	1,369.7	1,373.2	37.4	34.7	34.2	55.5	59.0	57.2
Lexington-Fayette	182.3	189.8	194.4	.3	.2	.2	10.1	11.2	11.1
Louisville	438.5	451.0	449.8	.7	1.0	1.0	20.0	20.2	19.5
Owensboro	33.2	33.9	33.8	.7	.5	.5	1.9	1.8	1.8
Louisiana	1,483.4	1,498.0	1,500.3	56.1	57.3	56.8	76.7	83.3	82.6
Alexandria	44.5	45.1	45.0	.2	.2	.2	1.9	1.8	1.7
Baton Rouge	216.1	218.4	221.4	1.0	1.0	1.0	21.3	23.4	22.9
Houma-Thibodaux	52.9	53.2	53.4	5.8	5.7	5.8	1.7	1.8	1.8
Lafayette	83.5	84.4	84.7	11.2	11.3	11.3	3.0	3.3	3.4
Monroe	54.8	53.6	53.7	.4	.4	.4	2.3	2.1	2.0
New Orleans	510.9	515.9	516.7	15.2	15.3	15.2	21.3	22.0	21.8
Shreveport	128.8	128.4	128.0	3.2	3.0	3.0	5.7	6.1	6.0
Maine	500.3	515.2	515.5	.1	.2	.2	28.1	31.8	30.4
Lewiston-Auburn	39.9	40.6	40.4	(^b)	(^b)	(^b)	2.0	2.1	2.1
Portland	122.5	128.6	128.3	(^b)	(^b)	(^b)	8.2	8.3	8.1

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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P
Georgia	576.1	566.6	566.0	177.8	186.2	186.8	709.0	767.1	767.5
Athens	15.0	15.0	15.1	1.7	1.8	1.8	13.6	14.4	14.7
Atlanta	189.5	178.2	177.5	117.9	122.0	122.2	389.3	409.6	410.7
Augusta	36.0	36.5	36.3	5.1	4.4	4.4	34.2	35.1	34.9
Columbus	20.3	20.7	20.6	3.5	3.5	3.6	19.8	20.5	20.4
Macon-Warner Robins	18.2	18.4	18.4	5.1	5.3	5.3	27.4	27.2	27.2
Savannah	17.2	17.7	17.5	9.6	9.7	9.6	24.8	26.1	26.0
Hawaii	22.0	22.4	22.3	37.4	39.0	38.9	124.7	128.3	128.3
Honolulu	16.4	16.7	16.6	30.6	32.0	32.0	97.6	100.2	100.1
Idaho	55.3	58.6	57.6	17.7	18.4	18.3	82.8	87.3	86.1
Boise City	12.0	13.6	13.7	5.1	5.3	5.4	22.4	24.4	24.0
Illinois	961.5	975.5	976.6	300.2	301.0	299.9	1,223.9	1,269.3	1,268.8
Aurora-Elgin	37.3	38.1	38.0	3.0	3.0	3.0	37.0	39.1	38.3
Bloomington-Normal	4.2	7.1	7.1	2.7	2.7	2.7	13.1	13.0	13.1
Champaign-Urbana-Rantoul	8.2	8.6	8.6	2.3	2.3	2.3	20.1	20.2	20.3
Chicago	561.7	564.7	565.2	187.6	187.4	187.5	759.3	778.3	772.0
Davenport-Rock Island-Moline	32.1	32.4	32.5	8.0	7.9	7.9	42.5	42.8	42.8
Decatur	13.7	13.6	13.6	5.1	5.1	5.2	11.4	11.7	11.6
Joliet	18.7	19.2	19.3	8.4	8.3	8.3	22.8	23.0	22.9
Kankakee	5.0	5.4	5.4	1.3	1.3	1.3	8.3	8.3	8.3
Lake County	43.4	43.6	43.7	6.9	7.2	7.1	52.7	57.2	56.7
Peoria	32.2	34.2	34.2	7.0	7.1	7.1	33.3	33.7	33.6
Rockford	45.0	45.6	45.3	4.9	5.1	5.1	28.4	28.7	28.6
Springfield	3.8	3.9	3.8	4.8	4.8	4.8	22.3	22.2	22.0
Indiana	621.3	634.3	635.1	120.1	124.8	124.8	542.6	573.1	569.9
Anderson	16.8	17.2	17.1	1.4	1.4	1.4	10.8	11.3	11.2
Bloomington	9.2	10.4	10.4	1.6	1.7	1.7	11.6	12.1	12.2
Elkhart-Goshen	53.9	56.3	56.8	2.7	2.8	2.8	17.8	18.7	18.6
Evansville	30.3	30.9	30.8	6.5	6.6	6.6	32.6	34.1	33.8
Fort Wayne	51.9	52.8	52.9	12.2	12.7	12.8	45.6	48.4	47.9
Gary-Hammond	55.8	57.0	57.0	15.2	15.5	15.4	51.5	54.9	54.8
Indianapolis	105.7	106.1	105.8	37.4	38.9	38.9	154.7	162.9	161.9
Lafayette-West Lafayette	12.1	12.7	12.5	1.9	1.9	1.9	13.1	13.4	13.1
Muncie	10.9	11.1	11.0	2.4	2.4	2.4	12.4	12.9	12.8
South Bend-Mishawaka	23.8	23.3	23.2	5.1	5.3	5.3	28.8	30.5	30.0
Terre Haute	10.1	9.9	9.9	2.8	3.0	3.0	14.3	14.7	14.6
Iowa	220.1	231.2	230.5	52.3	54.7	54.6	279.0	297.0	296.1
Cedar Rapids	22.8	23.8	23.6	5.4	5.4	5.5	20.7	21.4	21.2
Des Moines	25.2	26.4	25.6	12.2	12.4	12.4	53.9	57.1	56.4
Dubuque	11.9	12.1	12.0	1.6	1.7	1.7	9.5	9.8	9.7
Sioux City	9.6	10.2	10.3	3.1	3.3	3.3	12.9	13.5	13.3
Waterloo-Cedar Falls	14.2	15.4	15.4	1.7	1.8	1.8	14.6	15.4	15.4
Kansas	179.3	182.0	182.9	62.9	64.3	64.4	251.7	257.7	256.7
Topeka	9.0	8.9	9.1	6.6	6.8	6.8	20.7	21.4	21.4
Wichita	60.4	63.0	63.1	10.7	11.3	11.3	53.0	54.0	53.5
Kentucky	268.0	279.4	279.1	71.4	74.4	74.7	316.8	330.7	327.7
Lexington-Fayette	30.8	34.0	33.9	8.1	8.4	8.2	40.8	42.4	42.7
Louisville	86.9	88.6	87.6	27.7	28.5	28.7	108.7	111.2	109.8
Owensboro	5.7	6.1	6.2	2.1	2.1	2.1	8.5	8.8	8.5
Louisiana	167.0	170.0	168.8	105.8	107.8	108.9	353.6	359.6	357.6
Alexandria	3.4	3.3	3.3	2.1	2.1	2.1	10.6	10.8	10.7
Baton Rouge	19.1	19.2	19.3	10.5	10.5	10.5	50.5	53.4	53.6
Houma-Thibodaux	4.2	4.3	4.3	6.0	6.1	6.1	13.4	13.4	13.4
Lafayette	6.9	7.0	6.9	5.7	6.1	6.1	22.6	23.1	23.1
Monroe	7.4	7.5	7.4	2.9	3.0	2.7	14.1	13.7	13.4
New Orleans	43.1	42.8	42.7	43.6	44.1	44.3	131.4	133.7	134.1
Shreveport	17.8	17.3	17.2	8.0	8.3	8.3	31.2	31.6	31.4
Maine	107.3	109.3	108.1	20.0	21.2	21.0	119.9	124.5	122.2
Lewiston-Auburn	10.4	9.8	9.9	1.4	1.4	1.4	9.6	10.4	10.2
Portland	16.7	17.8	17.6	5.4	5.0	5.0	36.4	39.1	38.3

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	Finance, insurance, and real estate			Services			Government		
	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a
Georgia	157.5	162.8	163.7	552.4	579.8	586.8	490.5	511.2	513.8
Athens	1.9	1.9	2.0	9.7	10.4	10.4	19.5	19.8	20.2
Atlanta	100.8	104.2	104.4	325.3	339.4	343.9	200.3	207.7	209.6
Augusta	4.8	5.6	5.7	32.3	32.8	32.9	34.3	34.0	34.2
Columbus	6.6	6.4	6.5	16.6	17.4	17.5	20.8	20.6	20.6
Macon-Warner Robins	7.3	7.8	7.8	22.2	23.4	23.4	33.1	34.1	34.2
Savannah	4.5	4.5	4.5	24.8	24.9	24.8	15.9	16.3	16.3
Hawaii	34.3	35.1	35.4	130.6	134.9	135.9	99.4	98.7	101.8
Honolulu	28.8	29.4	29.7	98.2	100.5	101.5	83.7	82.5	85.4
Idaho	18.9	19.2	19.2	69.6	73.2	73.8	74.8	74.9	76.8
Boise City	7.5	7.6	7.5	19.1	20.5	20.5	17.6	18.5	18.8
Illinois	365.2	368.7	368.1	1,200.1	1,226.2	1,228.1	739.6	733.2	740.1
Aurora-Elgin	8.3	8.6	8.7	30.4	32.5	32.4	15.6	15.4	15.7
Bloomington-Normal	9.9	10.0	10.0	12.8	13.2	13.3	13.3	13.0	13.3
Champaign-Urbana-Rantoul	3.4	3.5	3.5	16.0	16.3	16.3	36.2	31.8	36.2
Chicago	265.5	269.4	268.7	799.0	819.4	822.8	366.1	367.2	371.9
Davenport-Rock Island-Moline	8.1	8.2	8.2	32.7	33.0	33.0	27.0	26.8	27.1
Decatur	2.3	2.2	2.2	11.3	11.5	11.6	5.5	5.4	5.6
Joliet	3.7	3.8	3.7	21.4	21.8	21.9	16.6	17.1	17.1
Kankakee	1.5	1.5	1.5	9.0	9.1	9.1	6.7	6.7	6.7
Lake County	7.1	7.1	7.1	40.5	44.1	44.4	29.8	31.6	32.2
Peoria	7.2	7.4	7.4	35.6	36.5	36.5	16.3	16.4	16.5
Rockford	5.2	5.3	5.3	29.0	29.1	29.5	12.4	11.9	12.2
Springfield	7.9	7.9	7.9	25.2	25.4	25.4	32.0	33.0	33.0
Indiana	116.3	119.7	119.9	461.8	474.1	479.4	360.9	364.1	373.2
Anderson	1.6	1.6	1.6	10.2	9.9	10.0	5.9	6.3	6.4
Bloomington	2.0	2.0	2.1	8.3	8.7	9.1	18.2	18.1	18.7
Elkhart-Goshen	2.5	2.7	2.7	13.4	14.2	14.2	5.8	5.9	5.9
Evansville	5.1	5.3	5.3	29.3	30.8	30.9	12.2	12.6	13.2
Fort Wayne	12.1	12.4	12.5	37.8	39.4	39.7	18.2	18.4	18.6
Gary-Hammond	8.1	8.3	8.3	49.2	50.5	51.4	31.2	31.8	32.1
Indianapolis	46.5	48.2	47.9	137.8	145.1	146.1	92.2	95.1	96.8
Lafayette-West Lafayette	3.0	3.1	3.2	11.5	11.6	11.6	21.3	20.0	21.3
Muncie	1.6	1.6	1.6	10.6	10.9	10.9	11.7	11.7	12.2
South Bend-Mishawaka	5.9	6.1	6.1	32.6	33.9	34.1	11.6	11.7	11.7
Terre Haute	1.9	2.0	2.0	11.4	11.3	11.3	10.9	10.0	10.8
Iowa	64.8	66.9	66.9	253.9	264.4	267.2	216.4	210.3	218.2
Cedar Rapids	4.6	4.8	4.8	20.3	21.7	21.9	10.4	9.6	9.8
Des Moines	27.9	30.2	30.3	52.9	54.5	54.6	30.7	29.7	30.7
Dubuque	1.4	1.4	1.4	12.3	12.3	12.5	3.5	3.3	3.4
Sioux City	2.5	2.5	2.5	13.9	14.6	14.7	6.5	6.6	6.6
Waterloo-Cedar Falls	2.9	2.8	2.8	14.6	14.7	14.8	12.8	12.0	13.0
Kansas	57.1	57.6	57.6	206.9	214.2	216.4	207.4	208.2	215.5
Topeka	6.3	6.5	6.5	20.7	20.6	20.7	21.2	21.8	22.2
Wichita	11.0	10.7	10.8	55.6	57.6	58.4	27.3	29.1	29.6
Kentucky	58.3	57.7	57.7	283.0	293.6	295.0	246.3	240.2	247.6
Lexington-Fayette	9.1	9.3	9.3	42.4	41.4	41.8	40.7	42.9	47.2
Louisville	26.6	25.7	25.7	106.5	113.7	114.7	61.4	62.1	62.8
Owensboro	1.4	1.4	1.4	7.6	7.8	7.8	5.3	5.4	5.5
Louisiana	82.8	81.6	81.1	324.5	327.1	328.3	316.9	311.3	316.2
Alexandria	2.5	2.5	2.5	10.9	11.6	11.5	12.9	12.8	13.0
Baton Rouge	13.6	13.6	13.6	44.8	46.0	45.9	55.3	51.3	54.6
Houma-Thibodaux	2.3	2.2	2.2	8.9	9.3	9.4	10.6	10.4	10.4
Lafayette	3.7	3.5	3.5	17.7	17.9	17.9	12.7	12.2	12.5
Monroe	4.4	4.2	4.4	11.6	12.0	12.0	11.7	10.7	11.4
New Orleans	33.8	33.9	33.7	135.8	137.7	138.5	86.7	86.4	86.4
Shreveport	6.8	6.4	6.4	30.4	30.4	30.2	25.7	25.3	25.5
Maine	24.7	25.5	25.5	107.2	112.0	112.9	93.0	90.7	95.2
Lewiston-Auburn	2.2	2.3	2.3	10.3	10.5	10.4	4.0	4.1	4.1
Portland	11.7	11.7	11.7	28.3	30.6	30.8	15.8	16.1	16.8

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	Total			Mining			Construction		
	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P
Maryland	2,034.4	2,078.1	2,084.6	1.6	1.7	1.6	145.9	152.7	150.7
Baltimore MSA	1,087.6	1,102.8	1,107.8	.3	.3	.3	68.3	70.5	70.4
Baltimore City	457.6	463.3	466.0	(¹)	(¹)	(¹)	17.6	18.2	18.2
Suburban Maryland-D.C.	729.5	749.0	753.1	.5	.4	.4	62.5	64.3	63.7
Massachusetts	3,053.9	3,094.3	3,104.9	1.4	1.4	1.2	124.6	134.3	130.1
Boston	1,718.6	1,746.0	1,754.0	.8	.9	.9	64.0	68.6	66.9
Brockton	72.4	74.1	74.3	(¹)	(¹)	(¹)	3.5	3.7	3.7
Fall River	54.8	54.9	54.7	(¹)	(¹)	(¹)	2.1	2.7	2.6
Fitchburg-Leominster	40.7	40.7	40.9	(¹)	(¹)	(¹)	2.1	2.3	2.3
Lawrence-Haverhill	162.1	163.8	164.4	(¹)	(¹)	(¹)	7.3	7.3	7.3
Lowell	107.2	110.0	109.7	.2	.1	.1	4.6	5.2	5.1
New Bedford	66.5	68.3	68.0	(¹)	(¹)	(¹)	2.7	3.3	3.1
Springfield	238.6	240.1	240.7	.1	.1	.1	8.6	9.8	9.5
Worcester	203.2	210.6	212.1	.1	.1	.1	8.9	10.1	9.6
Michigan	3,713.8	3,808.2	3,811.3	9.8	10.4	10.5	107.7	123.8	118.4
Ann Arbor	168.8	173.7	175.6	(¹)	(¹)	(¹)	4.8	5.3	5.1
Battle Creek	56.9	58.1	58.6	(¹)	(¹)	(¹)	1.4	1.5	1.4
Benton Harbor	63.7	65.1	65.2	(¹)	(¹)	(¹)	1.2	1.3	1.2
Detroit	1,847.6	1,905.8	1,901.3	.7	.8	.8	53.0	59.3	56.8
Flint	160.2	161.3	164.0	(¹)	(¹)	(¹)	4.4	4.8	4.8
Grand Rapids	320.0	330.8	332.3	(¹)	(¹)	(¹)	14.0	15.9	15.5
Jackson	52.1	53.3	53.7	(¹)	(¹)	(¹)	1.2	1.4	1.4
Kalamazoo	106.2	109.2	110.1	(¹)	(¹)	(¹)	3.0	3.3	3.2
Lansing-East Lansing	206.4	213.1	211.6	(¹)	(¹)	(¹)	4.9	6.1	5.7
Muskegon	56.3	56.4	56.1	(¹)	(¹)	(¹)	2.0	2.1	2.0
Saginaw-Bay City-Midland	149.5	154.8	154.2	(¹)	(¹)	(¹)	5.9	6.7	6.4
Minnesota	1,956.5	2,013.2	2,019.7	5.8	6.4	6.1	61.0	64.0	62.3
Duluth	88.4	89.8	89.7	4.3	4.8	4.5	2.4	2.5	2.5
Minneapolis-St. Paul	1,285.0	1,317.9	1,322.4	(¹)	(¹)	(¹)	43.2	45.2	43.6
Rochester	57.2	61.2	61.1	(²)	(²)	(²)	1.7	1.7	1.7
St. Cloud	70.0	73.0	73.6	(²)	(²)	(²)	2.5	3.1	2.9
Mississippi	874.7	897.4	899.5	6.2	6.0	6.1	30.8	33.0	32.8
Jackson	177.4	181.7	181.8	.9	.9	.9	8.1	8.1	7.9
Missouri	2,181.8	2,219.1	2,223.6	4.9	4.7	4.6	83.2	81.9	79.0
Kansas City	738.3	753.0	754.4	.5	.6	.5	30.1	30.4	29.6
St. Louis	1,113.2	1,134.2	1,132.6	3.1	3.1	3.1	48.6	47.0	43.7
Springfield	109.2	111.8	112.6	.1	.1	.1	4.0	3.9	3.8
Montana	270.2	274.5	273.7	5.8	5.7	5.9	5.9	6.8	6.4
Nebraska	668.6	693.4	697.6	1.4	1.3	1.3	20.1	22.7	22.1
Lincoln	113.5	117.5	119.5	(¹)	(¹)	(¹)	3.5	3.8	3.7
Omaha	301.1	312.4	313.1	.2	.2	.2	10.0	10.7	10.2
Nevada	513.4	550.4	552.5	9.7	12.0	12.1	30.6	39.0	39.1
Las Vegas	295.4	318.5	319.5	.2	.2	.2	19.6	25.2	25.6
Reno	132.1	137.2	137.9	1.0	1.3	1.3	6.5	7.6	7.4
New Hampshire	513.1	529.0	527.4	.5	.6	.6	31.5	30.8	29.9
Manchester	84.5	85.2	85.1	(²)	(²)	(²)	5.2	5.6	5.5
Nashua	94.2	95.8	95.0	.1	.1	.1	4.5	4.5	4.2
Portsmouth-Dover-Rochester	106.8	111.5	110.7	.1	.1	.2	5.4	5.6	5.3
New Jersey	3,555.4	3,612.1	3,612.5	2.1	2.3	2.4	150.1	162.4	157.0
Atlantic City	154.9	161.5	162.3	(¹)	(¹)	(¹)	8.7	10.1	10.0
Bergen-Passaic	660.8	672.6	671.6	.1	.2	.2	29.4	31.0	30.4
Camden	422.7	436.4	434.4	.1	.1	.1	20.7	22.5	21.6
Jersey City	240.5	243.6	244.5	(¹)	(¹)	(¹)	6.8	6.8	6.8
Middlesex-Somerset-Hunterdon	514.7	531.7	531.5	.6	.6	.6	21.1	22.1	21.9
Monmouth-Ocean	312.9	323.0	320.9	(¹)	(¹)	(¹)	18.3	20.4	20.0
Newark	942.9	952.7	952.0	.6	.7	.7	35.0	37.6	36.2
Trenton	192.8	198.1	197.1	(¹)	(¹)	(¹)	4.5	5.1	4.7
Vineland-Millville-Bridgeton	55.6	57.8	58.1	.4	.4	.4	1.9	2.1	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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P
Maryland	207.5	207.7	207.7	92.5	95.2	94.7	516.9	528.2	525.1
Baltimore MSA	133.4	131.5	132.0	52.6	54.7	54.3	265.3	270.3	269.5
Baltimore City	44.5	44.9	45.0	27.2	27.8	27.5	93.8	94.4	94.8
Suburban Maryland-D.C.	35.0	36.1	35.9	26.6	28.2	28.3	196.7	201.9	200.0
Massachusetts	587.2	581.2	579.4	132.3	134.3	134.6	712.8	724.5	717.8
Boston	270.3	268.2	267.2	75.5	76.3	76.6	385.7	391.3	385.4
Brockton	11.0	11.1	11.2	5.3	5.0	5.0	21.9	22.7	22.5
Fall River	16.9	15.1	15.1	1.9	1.9	1.9	13.9	14.2	14.0
Fitchburg-Leominster	12.0	12.1	12.1	1.7	1.5	1.5	10.1	10.2	10.2
Lawrence-Haverhill	50.2	49.2	48.7	6.7	7.0	7.1	35.7	37.3	36.8
Lowell	36.8	36.6	36.3	4.6	5.5	5.4	22.8	24.0	24.1
New Bedford	19.7	16.6	18.5	2.8	2.9	2.9	16.0	16.4	16.2
Springfield	51.0	50.7	50.6	9.7	10.2	10.3	56.1	57.4	56.7
Worcester	44.7	45.5	45.8	9.3	9.8	9.6	49.2	51.9	51.3
Michigan	936.8	950.9	947.2	150.3	151.7	150.3	853.1	892.7	883.3
Ann Arbor	38.4	38.9	39.1	4.4	4.2	4.1	29.1	31.3	31.2
Battle Creek	15.0	15.5	15.4	1.8	1.8	1.8	11.3	12.1	12.1
Benton Harbor	22.4	22.4	22.3	2.2	2.3	2.3	12.7	13.6	13.6
Detroit	452.5	466.8	463.7	85.9	85.0	84.2	433.4	454.5	450.6
Flint	48.4	47.2	49.5	4.1	3.9	4.0	42.2	44.3	44.2
Grand Rapids	98.9	99.0	99.2	11.3	11.6	11.8	82.3	87.1	86.2
Jackson	13.3	14.0	14.0	4.2	4.2	4.2	11.6	12.1	12.1
Kalamazoo	29.9	30.6	30.5	3.2	3.2	3.2	23.5	25.0	25.1
Lansing-East Lansing	32.4	33.4	30.5	5.4	5.3	5.2	43.1	46.3	45.4
Muskegon	17.1	16.5	16.3	2.3	2.3	2.3	12.7	13.2	13.0
Saginaw-Bay City-Midland	42.3	43.8	43.1	6.6	8.9	6.8	35.0	35.9	35.6
Minnesota	380.7	394.1	393.7	99.3	102.5	102.9	487.0	504.7	502.1
Duluth	7.4	7.9	7.8	5.5	5.4	5.4	21.7	22.0	21.9
Minneapolis-St. Paul	258.1	265.3	265.4	69.3	71.8	72.0	318.6	330.4	328.2
Rochester	10.5	11.2	11.2	1.7	1.8	1.8	11.6	12.7	12.5
St. Cloud	12.4	13.2	13.2	3.8	3.7	3.8	20.9	21.9	21.8
Mississippi	235.4	239.2	240.1	42.3	44.0	44.0	163.4	191.0	189.8
Jackson	20.4	20.9	20.7	12.9	13.2	13.2	41.7	42.5	42.4
Missouri	426.5	432.6	431.0	144.0	146.4	146.1	527.9	546.3	541.1
Kansas City	112.1	110.4	110.2	60.0	62.1	62.2	191.8	198.0	195.7
St. Louis	219.2	226.6	225.5	73.1	74.5	74.1	268.9	277.1	274.5
Springfield	21.0	21.5	21.3	6.6	6.9	6.9	30.9	31.5	31.5
Montana	20.4	21.1	21.0	19.0	19.2	19.0	69.8	72.1	70.7
Nebraska	91.3	97.4	97.4	43.1	46.7	46.5	171.7	180.4	179.9
Lincoln	13.6	15.1	15.3	5.9	6.5	6.4	26.7	27.0	27.2
Omaha	34.1	34.9	34.9	23.1	25.4	25.6	75.9	79.5	78.9
Nevada	24.6	25.6	25.8	28.1	29.5	29.6	105.0	111.5	111.3
Las Vegas	9.2	9.8	9.9	15.8	16.7	16.8	62.6	65.6	65.8
Reno	8.8	8.8	8.9	9.2	9.4	9.4	30.0	32.4	32.1
New Hampshire	118.9	120.1	119.4	17.6	17.8	17.7	129.4	136.0	134.9
Manchester	12.4	11.6	11.6	5.2	5.5	5.5	23.3	23.8	23.6
Nashua	36.5	36.7	36.6	2.5	2.7	2.7	22.2	22.3	21.7
Portsmouth-Dover-Rochester	20.8	21.2	21.0	2.9	3.0	3.0	26.5	28.8	28.3
New Jersey	664.0	656.5	658.0	238.4	241.7	241.3	850.0	863.7	856.6
Atlantic City	8.6	8.1	8.2	6.4	6.7	6.6	31.4	32.6	32.4
Bergen-Passaic	157.4	155.7	156.0	28.0	27.9	27.8	189.2	193.0	191.6
Camden	71.8	73.4	73.0	19.1	20.2	20.1	114.7	119.0	117.3
Jersey City	44.6	44.0	44.9	32.4	32.7	33.5	60.8	61.3	60.8
Middlesex-Somerset-Hunterdon	114.7	115.5	115.4	42.2	44.2	44.2	123.7	128.0	126.8
Monmouth-Ocean	29.1	29.6	29.8	17.2	18.4	18.4	84.0	85.4	83.2
Newark	176.3	173.6	173.4	80.5	80.0	79.4	192.7	195.1	193.9
Trenton	31.1	31.4	31.0	6.4	6.6	6.5	31.1	32.2	32.1
Vineland-Millville-Bridgeton	14.6	14.6	14.8	2.2	2.3	2.3	11.3	12.3	12.3

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	Finance, insurance, and real estate			Services			Government		
	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P
Maryland	127.2	130.4	130.3	544.4	559.8	564.5	398.4	402.4	410.0
Baltimore MSA	76.5	77.2	77.4	286.0	291.8	295.3	205.2	206.5	208.6
Baltimore City	45.2	45.8	45.8	139.6	141.5	143.4	89.9	90.7	91.5
Suburban Maryland-D.C.	42.3	43.9	43.9	211.4	216.9	218.0	154.5	157.3	162.9
Massachusetts	220.0	227.3	227.3	867.9	885.5	906.4	407.7	405.8	408.1
Boston	151.3	156.5	156.1	565.8	575.0	591.6	205.2	209.2	209.3
Brockton	3.2	3.4	3.4	15.2	15.8	16.1	12.3	12.4	12.4
Fall River	3.1	3.4	3.4	10.1	10.7	10.7	6.8	6.9	7.0
Fitchburg-Leominster	1.7	1.7	1.7	8.2	8.1	8.2	4.9	4.8	4.9
Lawrence-Haverhill	6.4	6.7	6.7	34.3	34.8	35.4	21.5	21.5	22.4
Lowell	3.9	3.9	4.0	20.4	20.9	20.9	13.9	13.8	13.8
New Bedford	2.5	2.5	2.5	13.0	13.9	14.0	9.8	10.7	10.8
Springfield	15.8	15.4	15.4	57.9	58.1	59.6	39.4	38.4	38.5
Worcester	14.2	14.8	14.9	51.7	53.7	55.4	25.1	24.9	25.4
Michigan	183.4	186.0	185.3	834.8	857.0	862.3	637.8	635.7	654.1
Ann Arbor	4.7	4.9	4.9	33.6	35.9	35.9	53.7	53.2	55.2
Battle Creek	3.4	3.5	3.5	12.1	12.1	12.3	11.8	11.6	12.0
Benton Harbor	2.5	2.5	2.5	13.9	14.3	14.4	8.7	8.5	8.8
Detroit	108.6	110.0	109.6	467.5	481.3	482.8	245.8	248.0	253.0
Flint	5.8	5.9	5.9	31.6	31.8	32.0	23.7	23.4	23.6
Grand Rapids	15.0	15.4	15.4	68.1	69.3	71.2	32.2	32.1	32.8
Jackson	1.9	1.9	1.9	9.7	9.9	10.0	9.9	9.7	10.1
Kalamazoo	4.8	5.0	5.0	23.5	24.2	24.5	18.3	17.9	18.6
Lansing-East Lansing	12.2	12.7	12.8	38.3	41.0	41.0	69.7	67.9	70.4
Muskegon	1.4	1.4	1.3	11.5	11.7	11.8	9.2	9.2	9.3
Saginaw-Bay City-Midland	6.1	6.3	6.2	32.0	34.1	34.5	21.3	20.9	21.4
Minnesota	118.3	119.1	119.1	477.7	491.8	494.3	326.7	330.7	339.2
Duluth	3.1	3.1	3.1	21.8	22.0	22.1	22.3	22.0	22.4
Minneapolis-St. Paul	91.9	93.3	93.3	325.4	332.1	334.5	178.1	179.5	184.9
Rochester	1.5	1.6	1.5	24.0	25.9	26.0	6.3	6.3	6.5
St. Cloud	2.2	2.2	2.2	15.1	15.4	15.7	13.3	13.5	13.9
Mississippi	38.4	38.9	38.9	141.3	145.8	146.7	196.9	199.5	201.1
Jackson	14.4	14.7	14.6	38.9	40.6	41.0	40.1	40.8	41.1
Missouri	134.1	134.2	134.7	507.3	517.3	522.8	353.9	355.7	364.3
Kansas City	58.4	58.4	58.4	172.9	178.5	180.6	112.5	114.6	117.2
St. Louis	74.8	74.7	74.9	283.8	290.8	294.2	141.7	140.4	142.6
Springfield	5.0	5.1	5.1	27.3	28.7	29.1	14.3	14.1	14.8
Montana	13.3	13.3	13.2	64.9	65.9	66.4	71.1	70.4	71.1
Nebraska	47.1	48.6	48.5	155.2	160.1	161.8	138.7	136.2	140.1
Lincoln	8.1	8.4	8.4	24.9	26.7	27.2	30.8	30.0	31.3
Omaha	28.3	29.1	29.1	83.1	85.9	87.3	46.4	46.7	46.9
Nevada	23.6	25.2	25.3	225.1	238.8	238.3	66.7	68.8	71.0
Las Vegas	14.7	16.1	16.2	139.4	149.6	148.8	33.9	35.3	36.2
Reno	6.7	6.8	6.8	53.0	54.2	54.5	16.9	16.7	17.5
New Hampshire	31.4	32.1	32.1	115.2	120.0	120.6	68.6	71.6	72.2
Manchester	8.1	8.1	8.2	21.6	21.7	21.7	8.7	8.9	9.0
Nashua	3.7	3.6	3.6	17.7	18.7	18.9	7.0	7.2	7.2
Portsmouth-Dover-Rochester	6.7	7.1	7.1	19.2	19.9	20.0	25.2	25.8	25.8
New Jersey	230.2	238.4	238.1	870.8	892.7	896.8	549.8	554.4	562.3
Atlantic City	7.3	7.4	7.4	67.4	71.6	72.3	25.0	24.9	25.3
Bergen-Passaic	38.0	40.1	39.9	150.2	154.4	155.2	68.5	70.3	70.5
Camden	24.4	25.5	25.6	100.6	103.2	103.8	71.3	72.5	72.9
Jersey City	13.1	13.8	13.6	42.3	43.1	42.8	40.5	41.9	42.1
Middlesex-Somerset-Hunterdon	36.3	38.3	38.1	105.0	110.5	110.8	71.1	72.5	73.7
Monmouth-Ocean	18.1	18.6	18.6	84.6	88.5	88.5	61.5	62.0	62.3
Newark	77.8	79.5	79.3	244.7	249.3	250.3	135.3	136.9	138.8
Trenton	9.6	9.9	9.9	55.3	56.8	57.2	54.8	56.1	55.7
Vineland-Millville-Bridgeton	3.4	3.5	3.5	10.1	10.6	10.7	11.7	12.0	12.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a
New Mexico	530.4	538.8	543.7	15.1	15.4	15.1	28.3	27.9	27.6
Albuquerque	231.3	234.7	236.9	.2	.1	.1	13.9	14.0	14.0
Las Cruces	40.1	40.7	41.4	.1	.1	.1	2.0	2.1	2.2
Santa Fe	53.9	54.4	54.3	.1	.1	.1	2.2	2.2	2.2
New York	8,017.0	8,115.0	8,142.2	5.0	5.2	5.2	295.0	312.3	306.8
Albany-Schenectady-Troy	403.7	412.8	415.4	.3	.3	.3	16.1	17.9	17.6
Binghamton	121.2	122.7	122.6	(¹)	(¹)	(¹)	4.4	5.2	5.0
Buffalo	432.6	438.7	439.4	.3	.2	.2	13.2	14.0	13.5
Elmira	38.6	40.4	40.6	(¹)	(¹)	(¹)	1.3	1.6	1.4
Nassau-Suffolk	1,113.4	1,131.6	1,131.4	.2	.2	.2	53.2	55.6	55.1
New York PMSA	4,086.8	4,097.3	4,105.7	1.1	1.0	1.0	143.3	146.2	145.9
New York City	3,571.8	3,573.1	3,585.2	.6	.5	.5	113.9	116.9	116.9
Niagara Falls	78.5	80.5	80.8	(¹)	(¹)	(¹)	2.5	2.7	2.6
Orange County	101.2	105.5	105.3	(¹)	(¹)	(¹)	4.6	5.4	5.2
Poughkeepsie	117.1	118.8	120.1	(²)	(²)	(²)	6.0	6.5	6.4
Rochester	465.6	480.9	482.8	.7	.6	.6	15.5	16.7	16.3
Rockland County	96.4	99.4	99.3	(²)	(²)	(²)	4.4	4.3	4.3
Syracuse	296.3	302.6	304.6	.1	.1	.1	12.2	13.4	12.9
Utica-Rome	119.8	124.0	125.2	.1	.1	.1	2.9	3.1	2.9
Westchester County	400.7	406.6	403.0	.2	.2	.2	23.7	23.6	23.4
North Carolina	2,911.3	2,984.5	2,996.3	4.7	5.0	5.0	154.3	157.9	157.9
Asheville	78.2	79.7	79.8	.1	.1	.1	3.9	4.1	4.1
Charlotte-Gastonia-Rock Hill	585.7	598.7	602.6	.3	.3	.4	34.8	36.1	36.7
Greensboro-Winston-Salem-High Point	480.3	483.3	483.8	.3	.3	.3	23.8	24.1	23.8
Raleigh-Durham	389.7	393.4	398.8	.3	.3	.3	20.9	20.9	21.0
North Dakota	248.3	253.2	253.3	4.0	3.8	3.7	6.8	7.4	7.0
Bismarck	35.9	37.4	37.5	.2	.2	.2	1.0	1.1	1.1
Fargo-Moorhead	71.0	73.3	73.6	(¹)	(¹)	(¹)	2.5	2.8	2.7
Grand Forks	29.7	30.1	30.5	(¹)	(¹)	(¹)	1.0	.9	.9
Ohio	4,549.1	4,669.0	4,672.3	18.9	18.9	18.7	150.4	167.0	162.4
Akron	264.7	268.3	274.7	.6	.7	.6	7.8	8.6	8.3
Canton	154.7	160.0	159.3	.9	.9	.9	4.7	5.5	5.4
Cincinnati	676.6	703.5	703.8	.4	.5	.5	26.5	30.1	29.3
Cleveland	880.1	902.1	902.7	1.0	1.1	1.0	23.2	24.5	24.0
Columbus	659.2	681.7	682.5	.9	.9	.9	24.4	26.5	26.1
Dayton-Springfield	426.0	438.2	438.7	.4	.3	.3	14.2	16.9	16.1
Toledo	276.1	286.6	285.6	.2	.2	.2	8.5	10.0	9.6
Youngstown-Warren	187.7	193.4	193.0	.6	.6	.6	5.6	6.4	6.1
Oklahoma	1,116.8	1,125.1	1,127.7	45.4	44.2	43.3	32.9	31.1	31.3
Enid	21.6	21.4	21.3	1.2	1.1	1.0	.6	.6	.7
Lawton	33.8	33.4	33.4	.3	.3	.3	1.1	1.1	1.2
Oklahoma City	404.3	405.1	407.0	12.0	10.8	10.4	11.9	10.7	10.2
Tulsa	292.2	297.0	296.3	14.2	14.3	14.3	9.0	8.6	8.6
Oregon	1,113.2	1,157.6	1,160.3	1.3	1.2	1.2	33.4	37.4	36.4
Eugene-Springfield	106.9	110.2	110.8	.2	.2	.2	3.0	3.2	3.2
Portland	564.4	584.7	587.0	(²)	(²)	(²)	18.8	20.4	19.8
Salem	96.9	99.2	100.0	.1	.1	.1	3.0	3.3	3.4
Pennsylvania	4,922.9	4,990.6	5,015.1	28.5	28.0	27.6	194.9	211.8	209.0
Allentown-Bethlehem	270.9	274.8	277.3	.5	.5	.5	12.1	13.5	13.2
Alltoona	50.1	50.2	50.4	(²)	(²)	(²)	2.0	2.0	1.9
Beaver County	48.4	48.2	48.3	(²)	(²)	(²)	1.9	1.4	1.4
Erie	111.0	114.6	114.0	.2	.2	.2	2.6	2.8	2.7
Harrisburg-Lebanon-Carlisle	293.2	299.0	299.1	.3	.3	.3	11.7	11.7	11.5
Johnstown	76.9	78.9	78.8	3.1	3.0	3.0	2.1	2.2	2.1
Lancaster	179.5	184.0	185.5	.3	.4	.4	10.4	11.1	11.0
Philadelphia PMSA	2,146.6	2,167.9	2,171.4	1.0	1.0	1.0	93.5	97.6	97.1
Philadelphia City	777.2	777.8	782.2	(²)	(²)	(²)	16.0	16.2	16.0
Pittsburgh	852.2	861.2	863.6	4.9	4.6	4.6	34.3	33.5	33.1

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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a
New Mexico	38.7	40.1	39.9	29.0	28.4	28.5	125.4	131.0	129.9
Albuquerque	20.2	20.4	20.3	12.5	12.8	12.6	58.4	61.0	60.3
Las Cruces	3.5	3.5	3.2	1.4	1.4	1.4	8.4	8.9	9.0
Santa Fe	1.6	1.7	1.7	1.2	1.1	1.0	10.2	10.7	10.5
New York	1,199.8	1,191.7	1,192.8	405.0	407.8	408.7	1,888.4	1,718.3	1,702.7
Albany-Schenectady-Troy	47.2	47.2	47.1	18.1	18.3	18.3	88.1	91.4	91.1
Binghamton	38.4	37.5	37.4	4.2	4.3	4.3	28.1	28.7	28.5
Buffalo	76.2	77.2	78.8	20.8	20.9	20.9	106.7	108.5	108.1
Elmira	8.3	8.7	8.8	1.4	1.4	1.4	10.2	10.8	10.5
Nassau-Suffolk	171.6	168.6	165.3	48.8	49.0	49.0	295.6	305.7	302.3
New York PMSA	446.2	433.7	437.3	241.0	241.4	241.7	746.1	756.5	749.4
New York City	366.7	352.3	356.5	215.7	215.4	215.9	625.2	632.5	626.6
Niagara Falls	23.5	23.9	23.7	3.4	3.6	3.5	18.2	18.7	18.7
Orange County	14.6	15.4	15.4	6.0	5.9	6.1	28.7	28.7	28.5
Poughkeepsie	30.1	29.8	29.8	3.4	3.7	3.7	21.5	22.5	22.2
Rochester	133.8	138.2	137.6	14.3	14.7	14.6	97.8	101.5	100.1
Rockland County	15.1	15.4	15.5	4.3	4.7	4.8	22.5	23.5	23.3
Syracuse	52.2	53.4	53.3	17.7	18.5	18.5	69.1	72.9	72.5
Utica-Rome	24.0	25.5	25.5	4.3	4.2	4.2	25.8	26.8	26.7
Westchester County	64.7	64.3	61.8	20.3	20.5	20.6	94.0	95.9	94.7
North Carolina	885.0	868.9	868.6	143.0	147.6	148.6	655.7	685.7	683.5
Asheville	19.1	19.1	18.7	3.8	3.8	3.8	18.9	19.6	19.4
Charlotte-Gastonia-Rock Hill	155.7	154.7	155.1	48.0	48.3	47.6	142.6	148.1	148.6
Greensboro-Winston-Salem-High Point	156.8	152.9	152.5	26.9	26.9	26.9	108.5	109.6	110.0
Raleigh-Durham	58.8	61.2	61.3	17.5	17.4	17.3	82.9	83.9	84.0
North Dakota	15.8	16.6	16.6	16.1	17.0	17.0	65.8	67.1	66.5
Bismarck	1.9	2.1	2.1	2.6	2.6	2.6	9.5	9.9	9.7
Fargo-Moorhead	4.8	4.9	4.9	4.4	4.7	4.8	20.6	21.3	21.3
Grand Forks	1.7	1.7	1.8	1.6	1.6	1.6	6.2	6.7	6.6
Ohio	1,092.3	1,112.2	1,107.4	205.2	208.7	208.7	1,085.9	1,133.9	1,124.4
Akron	65.0	66.8	66.7	12.6	12.9	12.9	65.4	68.7	68.3
Canton	44.3	46.0	45.3	5.5	5.8	5.8	38.3	39.8	39.3
Cincinnati	144.8	145.4	145.0	36.9	39.1	39.2	172.0	181.9	180.6
Cleveland	199.3	204.4	204.7	40.0	40.6	40.6	213.1	220.4	218.4
Columbus	101.5	103.2	103.0	28.9	30.0	30.1	166.9	175.1	173.5
Dayton-Springfield	103.0	104.9	104.9	16.4	16.6	16.7	95.4	99.3	98.4
Toledo	61.2	62.0	61.7	12.8	12.8	12.8	67.7	71.5	70.5
Youngstown-Warren	49.6	51.1	50.6	7.3	7.5	7.6	47.7	49.9	49.4
Oklahoma	159.6	163.5	163.5	61.8	61.7	61.9	266.5	272.2	269.3
Enid	1.6	1.5	1.4	2.1	2.2	2.2	6.2	5.9	5.9
Lawton	3.3	3.7	3.8	1.3	1.3	1.3	8.3	8.2	8.1
Oklahoma City	47.8	48.9	49.2	19.4	19.4	19.6	98.8	101.3	100.2
Tulsa	49.0	49.6	49.7	22.9	23.8	23.8	69.3	70.3	68.9
Oregon	208.0	209.0	207.4	58.7	61.5	61.9	275.7	296.1	294.0
Eugene-Springfield	20.2	20.4	20.0	4.1	4.3	4.3	26.4	27.8	27.5
Portland	97.1	97.1	97.7	34.9	35.7	36.1	146.6	154.2	153.2
Salem	13.1	13.3	13.5	2.9	2.9	2.9	21.7	22.6	22.5
Pennsylvania	1,046.4	1,054.8	1,052.3	249.3	250.3	251.2	1,119.5	1,141.3	1,134.4
Allentown-Bethlehem	77.1	77.3	77.7	14.0	13.9	13.8	59.9	60.8	61.2
Altoona	11.1	10.4	10.7	4.5	4.5	4.5	12.9	13.4	13.2
Beaver County	9.6	9.3	9.4	4.9	4.8	4.8	11.1	11.5	11.3
Erie	34.8	36.0	35.7	3.8	3.6	3.6	24.3	25.9	25.8
Harrisburg-Lebanon-Carlisle	52.0	52.1	52.0	18.3	18.4	18.4	66.6	68.2	67.5
Johnstown	13.3	13.6	13.5	5.1	5.2	5.2	16.1	17.1	16.9
Lancaster	59.9	59.5	59.2	7.0	7.3	7.2	42.7	44.9	44.7
Philadelphia PMSA	370.5	366.6	364.1	100.4	100.1	100.0	499.2	511.2	508.6
Philadelphia City	94.8	92.8	92.2	44.7	42.3	42.6	148.5	154.2	154.0
Pittsburgh	123.9	125.1	125.2	47.1	46.5	46.6	214.5	220.7	218.7

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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a
New Mexico	26.4	27.0	27.1	125.3	129.6	130.0	142.2	139.4	145.6
Albuquerque	14.6	15.0	15.0	64.6	65.9	66.4	46.9	45.7	48.2
Las Cruces	1.6	1.7	1.7	6.4	6.8	6.8	16.7	16.2	17.0
Santa Fe	2.0	1.9	1.9	14.3	14.4	14.5	22.3	22.3	22.4
New York	793.6	792.4	792.8	2,216.5	2,252.7	2,276.1	1,433.7	1,436.6	1,457.1
Albany-Schenectady-Troy	23.3	24.7	24.7	101.9	103.4	104.7	112.8	111.6	113.6
Binghamton	4.1	4.4	4.3	22.5	23.0	23.0	21.6	21.5	21.9
Buffalo	27.4	28.4	28.5	113.0	114.4	115.7	75.0	75.0	75.6
Elmira	1.3	1.4	1.4	9.6	9.8	9.9	6.5	6.9	7.0
Nassau-Suffolk	76.6	79.0	78.8	283.9	291.6	293.8	183.4	183.9	186.9
New York PMSA	579.7	570.1	570.2	1,254.4	1,270.5	1,277.8	673.1	678.0	682.4
New York City	546.3	535.0	535.2	1,112.6	1,124.3	1,131.6	590.7	596.2	599.8
Niagara Falls	2.0	2.0	2.0	16.2	16.7	17.2	12.7	12.7	12.9
Orange County	4.2	4.6	4.6	22.1	22.2	22.1	22.9	23.3	23.5
Poughkeepsie	4.8	5.1	5.0	26.8	27.1	28.3	24.6	24.2	24.5
Rochester	21.9	22.7	22.7	114.3	119.7	121.5	67.4	66.8	69.1
Rockland County	5.1	5.3	5.3	24.1	25.2	25.2	21.1	21.1	21.2
Syracuse	19.9	20.2	20.1	73.4	72.1	74.6	51.6	51.9	52.6
Utica-Rome	6.8	7.3	7.3	26.1	27.0	27.5	29.7	30.0	31.0
Westchester County	27.7	29.1	29.1	112.7	116.1	116.1	57.4	56.8	57.4
North Carolina	127.3	130.4	130.5	504.6	526.2	534.6	456.7	462.8	467.6
Asheville	2.6	2.5	2.5	18.0	18.6	19.4	11.8	11.9	11.8
Charlotte-Gastonia-Rock Hill	37.0	37.4	37.5	104.2	108.6	110.2	63.1	65.2	66.5
Greensboro-Winston-Salem-High Point	23.4	24.4	24.4	88.0	89.0	89.8	52.8	56.1	56.1
Raleigh-Durham	23.1	23.2	23.4	95.9	98.3	100.6	90.3	88.2	90.9
North Dakota	12.2	12.1	12.1	62.2	63.7	63.9	65.4	65.5	66.5
Bismarck	1.6	1.6	1.6	10.7	11.3	11.4	8.4	8.6	8.8
Fargo-Moorhead	4.4	4.4	4.4	19.7	20.6	20.7	14.6	14.6	14.8
Grand Forks	1.1	1.1	1.1	6.6	6.7	6.7	9.5	9.4	9.8
Ohio	244.8	250.3	251.0	1,049.4	1,083.4	1,091.9	702.1	694.5	707.8
Akron	10.5	10.5	10.6	58.1	61.3	61.7	44.8	38.9	45.6
Canton	6.3	6.2	6.3	35.7	36.6	36.9	19.1	19.2	19.4
Cincinnati	41.2	42.4	42.5	167.0	174.8	176.0	87.8	89.4	90.6
Cleveland	55.4	57.3	57.6	231.8	238.7	240.6	116.3	115.2	115.7
Columbus	56.9	58.5	58.6	156.2	161.9	163.9	123.5	125.6	126.4
Dayton-Springfield	17.7	18.0	18.1	105.0	107.9	109.4	74.0	74.3	74.7
Toledo	12.1	12.4	12.5	70.2	73.4	73.8	43.5	44.2	44.5
Youngstown-Warren	8.1	8.2	8.2	43.5	45.2	45.9	25.2	24.4	24.7
Oklahoma	58.8	58.5	58.2	240.2	246.0	247.8	251.6	247.9	252.4
Enid	1.0	1.0	1.0	5.4	5.4	5.5	3.5	3.7	3.6
Lawton	1.5	1.5	1.5	6.2	6.0	6.0	11.8	11.3	11.2
Oklahoma City	24.3	23.7	23.6	93.3	92.0	94.0	96.8	98.3	99.8
Tulsa	16.8	17.4	17.5	73.3	76.6	76.4	37.7	36.4	37.1
Oregon	71.9	74.1	74.3	251.8	263.4	267.3	212.4	214.9	217.8
Eugene-Springfield	5.1	5.2	5.3	24.1	25.5	26.0	23.8	23.6	24.3
Portland	47.5	48.8	49.1	139.6	146.4	148.2	79.5	81.7	82.5
Salem	5.6	5.9	5.8	19.8	20.3	20.7	30.7	30.8	31.1
Pennsylvania	288.9	292.1	292.7	1,294.9	1,322.2	1,338.7	700.5	690.1	709.2
Allentown-Bethlehem	12.7	12.6	12.7	64.5	66.4	67.4	30.1	29.8	30.8
Altoona	1.6	1.9	1.9	10.7	10.8	10.9	7.3	7.2	7.3
Beaver County	1.6	1.6	1.6	11.4	11.7	11.7	7.9	7.9	8.1
Erie	5.2	5.3	5.3	26.2	26.7	26.9	13.9	14.1	14.0
Harrisburg-Lebanon-Carlisle	17.8	19.6	19.7	61.0	63.0	63.2	65.5	65.7	66.5
Johnstown	4.7	4.6	4.6	19.8	20.1	20.3	12.7	13.1	13.2
Lancaster	6.8	7.3	7.3	36.7	38.4	39.4	15.7	15.1	16.3
Philadelphia PMSA	161.8	162.4	162.0	618.4	627.0	633.7	301.8	302.0	304.9
Philadelphia City	71.5	70.6	70.8	258.5	259.5	263.2	143.2	142.2	143.2
Pittsburgh	51.7	52.5	52.6	270.3	273.5	275.7	105.5	104.8	107.1

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P
Pennsylvania-Continued									
Reading	145.6	150.2	151.3	(²)	(²)	(²)	6.1	6.6	6.7
Scranton-Wilkes-Barre	291.3	296.5	298.1	0.6	0.6	0.6	10.8	12.4	12.4
Williamsport	50.0	50.5	50.9	(²)	(²)	(²)	1.6	1.8	1.8
York	173.1	177.5	177.6	.3	.5	.5	8.6	9.2	8.9
Rhode Island	446.1	448.9	449.9	.1	.1	.1	17.3	18.8	18.5
Pawtucket-Woonsocket-Attleboro	128.4	129.1	129.7	.1	.2	.2	4.8	5.4	5.2
Providence	315.0	319.6	320.1	.1	.1	.1	12.6	14.3	14.0
South Carolina	1,410.3	1,460.4	1,468.1	1.8	1.8	1.8	86.0	90.6	90.9
Charleston	188.7	192.0	192.9	(¹)	(¹)	(¹)	13.2	13.1	12.9
Columbia	228.5	228.8	230.8	(¹)	(¹)	(¹)	13.4	14.1	14.4
Greenville-Spartanburg	316.1	321.6	322.5	(¹)	(¹)	(¹)	21.2	21.9	21.9
South Dakota	255.1	258.0	258.3	2.5	2.6	2.5	6.6	6.9	6.6
Rapid City	33.3	33.8	33.9	.2	.2	.2	1.4	1.4	1.4
Sioux Falls	65.3	66.9	67.1	(¹)	(¹)	(¹)	2.0	2.2	2.0
Tennessee	2,026.6	2,050.1	2,052.9	6.5	6.3	6.5	87.9	87.3	86.0
Chattanooga	192.5	198.2	198.2	.6	.5	.5	7.6	8.1	8.3
Johnson City-Kingsport-Bristol	160.4	162.2	165.6	.2	.1	.1	6.7	6.0	6.2
Knoxville	252.8	256.0	255.1	1.7	1.7	1.7	12.3	11.5	11.5
Memphis	422.7	435.2	434.7	.1	.1	.1	17.0	18.2	17.8
Nashville	478.2	483.1	482.1	.7	.7	.7	25.5	26.6	26.0
Texas	6,551.3	6,692.8	6,702.5	185.0	179.8	177.4	322.7	308.7	302.0
Abilene	48.2	49.9	49.6	2.1	2.0	2.0	1.8	2.1	1.9
Amarillo	76.5	76.0	76.7	1.4	1.3	1.3	3.3	3.4	3.5
Austin	353.3	352.4	354.6	.8	.7	.7	14.4	13.4	13.4
Beaumont-Port Arthur	129.3	132.6	132.5	1.7	1.8	1.8	7.7	8.6	8.7
Brazoria	57.8	60.0	60.3	2.2	1.9	1.9	5.6	7.4	7.3
Brownsville-Harlingen	66.5	69.5	69.8	.1	.1	.1	2.0	2.1	2.2
Bryan-College Station	48.8	48.1	50.7	.6	.6	.6	1.6	1.9	1.8
Corpus Christi	122.9	124.7	124.7	4.0	4.5	4.5	7.6	8.2	8.1
Dallas	1,328.1	1,341.2	1,338.2	18.7	17.6	17.5	57.2	50.0	48.9
El Paso	190.7	195.3	195.6	.1	.1	.1	9.0	8.8	8.7
Ft. Worth-Arlington	519.7	527.4	527.7	3.6	4.1	4.1	22.9	22.1	21.8
Galveston-Texas City	71.7	69.8	70.5	.6	.5	.5	5.1	4.8	4.9
Houston	1,408.3	1,452.5	1,455.5	64.2	66.7	66.5	84.1	85.5	85.5
Killeen-Temple	69.5	71.3	71.9	.1	.1	.1	3.2	3.5	3.7
Laredo	36.6	39.0	39.0	2.0	1.9	1.9	1.1	1.1	1.1
Longview-Marshall	64.8	66.1	65.8	3.7	3.7	3.6	3.1	3.1	3.1
Lubbock	91.7	93.8	94.8	.4	.4	.4	2.9	3.2	3.2
McAllen-Edinburg-Mission	92.3	100.4	100.6	.9	.9	.9	3.9	4.1	4.2
Midland	44.2	44.4	44.1	10.2	9.9	9.7	1.2	1.3	1.4
Odessa	43.5	42.5	42.4	6.3	5.7	5.6	2.1	1.8	1.7
San Angelo	36.5	36.4	36.7	.5	.5	.5	1.5	1.4	1.4
San Antonio	495.3	501.5	503.0	2.5	2.1	2.0	26.8	22.5	22.6
Sherman-Denison	37.4	37.1	36.8	.1	.1	.1	1.6	1.7	1.6
Texarkana	44.7	44.9	44.9	.1	.1	.1	1.8	1.5	1.3
Tyler	59.8	60.5	60.7	1.8	2.0	2.0	1.9	2.0	2.0
Victoria	27.5	27.1	27.7	1.8	1.3	1.3	1.5	1.5	1.4
Waco	78.2	79.3	80.2	.1	.1	.1	3.3	3.6	3.6
Wichita Falls	49.6	50.8	50.7	1.9	1.9	1.9	1.7	2.1	2.0
Utah	639.9	663.2	665.7	8.3	7.8	7.7	20.5	21.2	20.7
Provo-Orem	77.7	83.8	83.2	(¹)	(¹)	(¹)	2.0	2.4	2.0
Salt Lake City-Ogden	441.6	454.6	455.2	2.6	2.5	2.5	14.9	15.3	14.5
Vermont	249.5	260.3	260.9	.4	.3	.3	14.2	17.6	17.4
Barre-Montpelier	33.3	34.6	34.9	.1	.1	.1	1.7	1.7	1.6
Burlington	76.1	75.4	76.5	(¹)	(¹)	(¹)	4.1	4.2	3.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P
Pennsylvania-Continued									
Reading	47.6	49.0	48.5	6.5	6.6	6.7	32.0	33.3	33.1
Scranton-Wilkes-Barre	70.6	72.0	71.9	15.7	16.0	16.0	66.2	67.1	66.9
Williamsport	16.5	16.0	16.0	1.8	1.9	1.9	11.0	11.6	11.4
York	61.1	62.0	61.7	7.4	7.8	7.7	41.2	42.2	42.3
Rhode Island									
.....	114.6	112.3	113.0	15.2	15.1	15.1	100.7	102.1	101.9
Pawtucket-Woonsocket-Attleboro	50.8	49.2	49.5	3.4	3.6	3.6	31.8	32.7	32.2
Providence	71.6	69.4	69.8	11.8	12.1	12.1	68.8	69.9	69.9
South Carolina									
.....	382.9	385.6	384.5	60.8	63.8	64.0	306.9	327.6	327.5
Charleston	20.5	21.6	21.6	10.7	11.6	11.9	44.8	44.0	43.8
Columbia	28.9	29.3	29.8	10.5	10.4	10.0	50.0	49.8	49.7
Greenville-Spartanburg	102.0	103.1	102.8	11.8	12.5	12.5	72.2	74.2	73.8
South Dakota									
.....	30.0	29.5	29.2	13.3	13.5	13.5	65.7	67.2	66.9
Rapid City	3.1	3.1	3.1	1.8	1.8	1.8	9.5	10.0	10.0
Sioux Falls	8.0	7.8	7.5	5.2	5.4	5.3	17.9	18.3	18.4
Tennessee									
.....	506.2	507.7	509.2	105.2	110.1	109.6	475.3	484.9	481.4
Chattanooga	47.2	47.3	48.0	9.0	9.5	9.4	43.5	45.6	45.4
Johnson City-Kingsport-Bristol	52.1	54.3	54.3	6.0	6.3	6.2	36.1	36.1	35.9
Knoxville	52.7	53.6	52.7	9.9	10.0	9.9	62.0	64.2	63.8
Memphis	54.0	53.9	54.1	39.6	41.4	41.0	114.2	117.3	114.7
Nashville	89.5	90.2	90.8	24.0	24.4	23.4	118.8	117.8	117.0
Texas									
.....	948.0	964.1	965.4	381.8	394.4	396.3	1,615.5	1,652.7	1,646.1
Abilene	4.7	4.9	5.0	2.4	2.4	2.4	13.1	13.9	13.8
Amarillo	9.9	9.0	9.2	5.5	5.5	5.6	21.6	22.3	22.4
Austin	40.5	41.1	41.1	10.5	10.5	10.4	76.5	75.9	75.8
Beaumont-Port Arthur	24.0	25.1	25.1	9.7	9.6	9.7	31.5	32.1	31.9
Brazoria	15.4	15.7	15.7	2.8	2.7	2.8	10.7	11.1	11.0
Brownsville-Harlingen	9.8	9.9	10.0	3.0	3.1	3.1	17.1	18.3	18.2
Bryan-College Station	3.4	3.4	3.4	1.5	1.4	1.4	10.4	10.3	10.7
Corpus Christi	11.3	11.4	11.4	7.1	6.4	6.4	30.2	31.0	30.9
Dallas	222.1	222.4	221.7	89.8	91.9	92.1	338.2	348.2	346.2
El Paso	40.0	40.0	40.1	10.4	10.6	10.6	45.0	46.9	46.8
Ft. Worth-Arlington	118.7	120.7	121.5	29.9	30.8	30.9	136.0	135.4	135.1
Galveston-Texas City	8.4	8.2	8.2	4.9	4.5	4.6	13.6	13.4	13.5
Houston	152.1	156.2	156.6	98.2	100.4	100.1	346.4	362.3	359.9
Killeen-Temple	7.7	8.4	8.5	2.7	2.7	2.8	15.9	16.2	16.2
Laredo	1.7	1.9	1.8	4.6	5.0	5.1	10.5	11.6	11.7
Longview-Marshall	15.6	15.8	15.8	3.0	3.0	3.1	16.4	17.1	16.8
Lubbock	7.1	7.7	7.6	4.6	4.7	4.8	27.2	27.6	27.8
McAllen-Edinburg-Mission	12.1	14.8	14.7	3.0	3.1	3.1	28.2	31.8	31.8
Midland	2.7	2.6	2.6	2.2	2.3	2.3	9.8	9.9	9.7
Odessa	4.1	3.9	4.0	2.1	2.1	2.1	12.4	12.7	12.6
San Angelo	5.4	5.4	5.5	3.2	3.0	3.0	9.2	9.2	9.1
San Antonio	47.0	47.1	47.4	19.0	18.9	19.0	124.3	127.5	126.1
Sherman-Denison	11.2	11.1	10.9	2.0	1.8	1.9	7.6	8.0	7.7
Texarkana	7.5	7.5	7.5	1.8	1.9	1.9	10.3	10.4	10.4
Tyler	10.6	10.5	10.6	2.5	2.5	2.5	15.9	16.2	15.9
Victoria	3.1	3.0	3.0	1.4	1.3	1.4	7.4	7.7	7.7
Waco	14.6	14.7	14.9	3.3	3.3	3.3	18.4	18.6	18.7
Wichita Falls	8.1	8.0	8.0	2.6	2.6	2.6	11.7	12.1	12.0
Utah									
.....	94.9	100.4	100.9	37.8	39.5	39.6	149.8	157.3	156.3
Provo-Orem	12.3	14.4	14.4	2.8	2.6	2.7	16.5	17.6	16.9
Salt Lake City-Ogden	61.7	64.3	64.5	28.8	30.8	31.0	109.0	112.9	112.3
Vermont									
.....	49.0	49.4	49.0	10.2	10.2	10.2	57.9	62.0	61.3
Barre-Montpelier	4.6	4.7	4.9	.8	.9	.9	7.1	7.8	7.7
Burlington	16.8	16.2	16.1	3.2	3.3	3.4	18.0	18.4	18.6

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P
Pennsylvania-Continued									
Reading	7.8	8.2	8.3	29.1	30.1	30.6	16.5	16.4	17.4
Scranton-Wilkes-Barre	13.1	13.4	13.5	71.9	73.4	74.4	42.4	41.6	42.4
Williamsport	2.3	2.4	2.4	9.9	10.0	10.3	6.9	6.8	7.1
York	4.8	4.8	4.8	31.3	32.5	33.0	18.4	18.5	18.7
Rhode Island									
Pawtucket-Woonsocket-Attleboro	26.3	26.4	26.4	112.5	113.6	114.3	59.4	60.5	60.6
Providence	3.8	3.9	3.9	23.4	24.0	24.9	10.3	10.1	10.2
Providence	21.9	22.9	22.9	83.6	86.4	86.6	44.6	44.5	44.7
South Carolina									
Charleston	62.9	65.2	65.6	245.1	258.3	260.5	263.9	267.5	273.3
Columbia	8.1	8.6	8.5	38.9	40.8	41.2	52.4	52.2	52.9
Greenville-Spartanburg	17.7	17.8	17.8	44.6	44.6	45.0	63.1	62.5	63.8
Greenville-Spartanburg	12.0	11.9	11.9	54.8	55.9	56.1	41.8	41.8	43.2
South Dakota									
Rapid City	14.0	14.8	14.9	62.7	64.1	64.4	60.3	59.4	60.3
Sioux Falls	1.6	1.5	1.5	8.3	8.5	8.4	7.3	7.4	7.5
Sioux Falls	6.2	6.6	6.7	18.5	19.0	19.6	7.4	7.5	7.6
Tennessee									
Chattanooga	101.7	104.6	104.7	416.8	424.3	425.5	326.9	324.9	330.0
Johnson City-Kingsport-Bristol	12.5	12.7	12.7	37.5	38.4	37.3	34.7	36.1	36.6
Knoxville	5.1	5.5	5.4	29.6	30.8	32.7	24.6	23.1	24.8
Memphis	9.6	9.9	9.9	53.4	55.8	56.2	51.2	49.3	49.4
Nashville	24.4	25.2	25.4	102.0	107.6	107.6	71.4	71.5	74.0
Nashville	34.0	34.7	34.7	118.1	119.7	119.9	67.6	69.0	69.6
Texas									
Abilene	436.7	439.9	438.9	1,480.5	1,546.1	1,557.1	1,181.1	1,207.1	1,219.3
Amarillo	2.4	2.5	2.5	13.1	13.1	13.0	8.6	9.0	9.0
Austin	4.6	4.2	4.2	16.3	16.8	16.9	13.9	13.5	13.6
Beaumont-Port Arthur	24.6	24.2	24.0	83.6	84.4	85.2	102.4	102.2	104.0
Brazoria	5.2	5.2	5.2	29.1	29.7	29.5	20.4	20.5	20.6
Brownsville-Harlingen	2.0	1.9	1.9	8.1	8.3	8.4	11.0	11.0	11.3
Bryan-College Station	3.5	3.6	3.6	14.5	15.6	15.7	16.6	16.9	17.0
Corpus Christi	1.6	1.6	1.7	8.6	9.0	8.9	21.1	19.9	22.2
Dallas	6.8	7.0	7.0	28.2	28.6	28.4	27.7	27.6	28.0
El Paso	130.1	127.5	127.1	321.8	331.6	331.9	150.2	152.0	152.8
Ft. Worth-Arlington	8.7	8.4	8.4	36.8	38.8	38.8	40.8	41.7	42.1
Galveston-Texas City	26.8	26.6	26.6	113.5	118.3	118.2	68.3	69.4	69.5
Houston	4.2	4.1	4.1	13.3	13.6	13.7	21.6	20.7	21.0
Killeen-Temple	101.0	99.9	99.9	372.5	386.2	390.1	189.8	195.3	196.9
Laredo	2.9	2.9	2.9	15.4	16.4	16.5	21.6	21.1	21.2
Longview-Marshall	1.7	1.5	1.5	6.1	6.4	6.2	8.9	9.6	9.7
Lubbock	2.7	2.7	2.7	11.8	12.2	12.2	8.5	8.5	8.5
McAllen-Edinburg-Mission	5.3	5.5	5.5	22.1	23.1	23.6	22.1	21.6	21.9
Midland	3.8	3.7	3.7	15.4	16.3	16.2	25.0	25.7	26.0
Odessa	2.3	2.3	2.3	9.5	9.6	9.5	6.3	6.5	6.6
San Angelo	1.7	1.7	1.7	7.0	7.2	7.2	7.8	7.4	7.5
San Antonio	1.8	1.8	1.8	8.0	8.1	8.1	6.9	7.0	7.3
Sherman-Denison	38.6	39.6	39.6	121.5	124.6	126.3	115.6	119.2	120.0
Texarkana	1.8	1.7	1.7	8.6	8.3	8.5	4.5	4.4	4.4
Tyler	1.9	1.8	1.8	9.0	9.5	9.5	12.3	12.2	12.4
Victoria	3.7	3.4	3.4	14.1	14.5	14.9	9.3	9.4	9.4
Waco	1.5	1.6	1.6	6.0	6.0	6.2	4.8	4.7	5.1
Wichita Falls	4.7	4.8	4.8	21.1	21.3	21.8	12.7	12.9	13.0
Wichita Falls	2.3	2.3	2.3	11.7	11.9	11.9	9.6	9.9	10.0
Utah									
Provo-Orem	33.5	33.0	33.1	151.2	159.2	161.3	143.9	144.8	146.1
Salt Lake City-Ogden	2.2	2.2	2.2	28.4	31.1	31.6	13.5	13.5	13.4
Salt Lake City-Ogden	27.7	26.7	26.8	102.7	106.5	107.2	94.2	95.6	96.4
Vermont									
Barre-Montpelier	12.2	12.8	12.8	64.2	67.1	67.4	41.4	40.9	42.5
Burlington	3.0	3.1	3.1	7.8	8.2	8.3	8.2	8.1	8.3
Burlington	3.6	3.6	3.6	18.2	18.0	18.3	12.2	11.6	12.5

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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P
Virginia	2,896.4	2,805.0	2,816.5	15.8	15.5	15.4	174.7	191.6	192.7
Bristol	31.3	32.0	32.4	.1	.1	.1	.8	.7	.8
Charlottesville	66.2	64.8	68.2	.1	.1	.1	3.6	3.8	3.8
Danville	40.4	41.7	41.7	.1	.1	.1	1.7	2.1	2.1
Lynchburg	70.7	71.6	71.9	.1	.1	.1	3.2	3.4	3.4
Norfolk-Virginia Beach-Newport News	549.3	554.5	556.0	.1	.1	.1	35.9	36.2	36.7
Northern Virginia	719.0	761.5	763.8	.5	.5	.6	52.8	61.7	62.3
Richmond-Petersburg	443.9	454.5	458.7	.8	1.0	1.0	28.1	30.1	30.6
Roanoke	120.0	122.1	122.1	.1	.1	.1	6.8	7.3	7.5
Washington	1,867.4	1,954.7	1,956.0	3.0	3.3	3.2	84.0	91.3	89.1
Seattle	953.5	1,007.3	1,008.5	.6	.6	.6	47.0	49.8	47.8
West Virginia	589.8	602.5	600.0	34.0	34.2	33.5	19.7	21.7	20.8
Charleston	104.9	106.0	106.5	1.8	1.9	2.0	3.6	3.6	3.5
Huntington-Ashland	101.4	103.5	103.6	1.4	1.3	1.4	3.3	3.0	3.1
Parkersburg-Marietta	58.1	59.8	59.3	.5	.6	.6	2.4	2.4	2.1
Wheeling	57.5	57.9	57.9	2.4	2.6	2.6	1.5	1.7	1.6
Wisconsin	2,083.2	2,139.8	2,146.9	1.4	1.7	1.7	59.4	67.6	64.0
Appleton-Oshkosh-Neenah	144.4	150.3	150.5	(¹)	(¹)	(¹)	6.0	6.5	6.2
Eau Claire	55.0	55.9	56.8	(¹)	(¹)	(¹)	1.3	1.6	1.5
Green Bay	93.5	95.6	95.9	(¹)	(¹)	(¹)	2.9	3.1	2.8
Janesville-Beloit	54.9	57.3	57.2	(¹)	(¹)	(¹)	1.2	1.6	1.5
Kenosha	41.7	40.7	40.5	(¹)	(¹)	(¹)	1.3	1.6	1.6
La Crosse	51.9	54.9	55.6	(¹)	(¹)	(¹)	1.2	1.9	1.7
Madison	198.6	202.2	203.4	(¹)	(¹)	(¹)	6.4	5.6	5.5
Milwaukee	700.7	721.3	721.9	(¹)	(¹)	(¹)	20.3	22.2	21.1
Racine	71.2	73.5	73.4	(¹)	(¹)	(¹)	1.6	1.9	1.7
Wausau	46.0	48.3	48.7	(¹)	(¹)	(¹)	1.4	1.9	1.9
Wyoming	177.2	174.8	174.0	17.8	17.4	16.9	7.7	6.6	6.5
Puerto Rico	793.1	819.5	819.4	.8	.8	.9	38.7	42.1	41.9
Caguas	51.5	52.2	52.1	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Mayaguez	55.5	58.2	58.2	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Ponce	51.2	53.1	53.3	.1	.1	.1	3.7	3.7	3.8
San Juan	489.5	508.2	507.0	.5	.4	.5	28.6	30.1	30.0
Virgin Islands	41.7	40.6	(¹)	(¹)	(¹)	(¹)	2.5	1.9	(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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a
Virginia	425.6	426.6	426.3	141.6	146.6	146.7	609.5	639.8	636.2
Bristol	10.5	10.8	10.9	1.1	1.1	1.1	7.9	8.4	8.3
Charlottesville	8.9	8.8	8.8	2.3	2.3	2.3	12.9	13.2	13.3
Danville	16.6	16.8	16.9	.9	.9	.9	8.5	9.2	9.0
Lynchburg	23.0	22.7	22.6	2.6	2.5	2.5	15.6	16.1	16.2
Norfolk-Virginia Beach-Newport News	67.7	66.2	66.8	25.8	26.3	26.1	133.8	136.7	135.2
Northern Virginia	35.3	34.8	34.7	50.2	56.2	56.6	161.0	165.4	163.6
Richmond-Petersburg	62.7	62.8	62.9	23.4	23.3	23.5	106.1	108.9	109.0
Roanoke	19.7	19.7	19.6	8.4	8.3	8.3	33.0	33.3	33.0
Washington	326.8	344.1	344.2	97.8	102.0	101.8	452.9	479.0	475.2
Seattle	191.9	206.0	206.7	59.6	62.6	62.7	229.5	243.5	241.4
West Virginia	84.5	87.3	86.8	36.1	37.0	36.7	137.3	141.2	139.5
Charleston	10.7	11.0	11.0	8.5	8.7	8.8	27.5	28.0	28.0
Huntington-Ashland	19.0	19.9	19.7	7.7	7.9	7.8	25.9	26.5	26.4
Parkersburg-Marietta	13.5	14.1	13.9	2.1	2.2	2.2	13.9	14.3	14.2
Wheeling	7.2	7.1	7.1	3.2	3.3	3.4	15.8	16.1	15.8
Wisconsin	533.7	551.2	550.4	94.6	97.8	98.4	484.3	500.8	497.6
Appleton-Oshkosh-Neenah	50.1	52.5	52.3	5.2	5.6	5.7	30.5	31.7	31.7
Eau Claire	10.8	11.5	11.7	2.9	3.1	3.1	15.1	15.0	15.0
Green Bay	23.7	25.0	24.9	7.1	7.2	7.2	24.2	24.4	24.1
Janesville-Beloit	17.8	18.4	18.4	2.1	2.2	2.2	13.4	13.7	13.5
Kenosha	14.6	11.9	11.6	1.4	1.5	1.5	8.9	9.4	9.4
La Crosse	11.1	11.2	11.0	2.1	2.1	2.2	14.8	16.1	15.9
Madison	23.3	24.9	24.9	6.9	7.0	7.2	44.1	46.2	45.8
Milwaukee	169.9	176.3	177.0	34.4	34.9	35.2	157.5	163.7	162.3
Racine	25.6	26.4	26.4	2.2	2.2	2.2	15.8	16.4	16.3
Wausau	12.7	13.6	13.6	2.7	2.8	2.8	11.3	11.8	11.7
Wyoming	8.3	8.4	8.0	13.3	12.5	12.4	39.7	39.4	39.1
Puerto Rico	154.4	155.1	158.9	17.8	18.1	17.7	141.6	149.3	145.3
Caguas	16.8	16.4	16.6	(¹)	(¹)	(¹)	10.1	11.4	11.0
Mayaguez	19.7	20.8	21.0	(¹)	(¹)	(¹)	7.8	7.8	7.5
Ponce	9.4	9.8	10.1	(¹)	(¹)	(¹)	8.0	8.9	8.7
San Juan	64.6	65.1	66.5	13.8	14.7	14.4	97.5	103.3	100.4
Virgin Islands	2.3	2.2	(¹)	2.6	2.6	(¹)	9.9	9.5	(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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P
Virginia	146.2	152.0	152.4	636.8	678.7	684.7	546.2	554.2	562.1
Bristol	1.1	1.2	1.2	4.7	4.5	4.6	5.1	5.2	5.4
Charlottesville	3.3	3.3	3.4	12.1	12.5	12.5	23.0	20.8	24.0
Danville	1.3	1.3	1.3	6.1	6.0	6.1	5.2	5.3	5.3
Lynchburg	3.8	4.1	4.1	13.1	13.4	13.7	9.3	9.3	9.3
Norfolk-Virginia Beach-Newport News	26.4	26.6	26.5	128.9	132.2	133.9	130.7	130.2	130.7
Northern Virginia	47.8	49.9	50.0	230.9	247.7	250.5	140.5	145.3	145.5
Richmond-Petersburg	37.7	39.9	40.1	92.8	93.6	94.8	92.3	94.9	96.8
Roanoke	8.1	8.4	8.5	28.5	29.6	29.7	15.4	15.4	15.4
Washington	107.1	111.3	111.6	428.1	450.1	453.8	367.7	373.6	379.1
Seattle	68.8	70.9	71.1	222.1	235.8	238.2	134.0	138.1	140.0
West Virginia	24.1	24.3	24.2	126.4	131.0	131.4	127.7	125.8	127.1
Charleston	6.2	6.2	6.3	25.3	25.8	26.0	21.3	20.8	20.9
Huntington-Ashland	3.7	3.8	3.7	21.4	22.6	22.4	19.0	18.5	19.1
Parkersburg-Marietta	2.3	2.3	2.3	13.7	14.1	14.0	9.7	9.8	10.0
Wheeling	2.7	2.7	2.8	15.4	15.3	15.5	9.3	9.1	9.1
Wisconsin	113.3	116.6	116.8	466.6	479.9	484.3	329.9	324.2	333.7
Appleton-Oshkosh-Neenah	6.9	7.3	7.3	28.5	29.7	29.7	17.0	16.7	17.3
Eau Claire	1.8	1.8	1.8	12.1	12.8	13.0	11.0	10.1	10.7
Green Bay	3.2	3.3	3.3	21.3	21.5	22.2	11.1	11.1	11.4
Janesville-Beloit	1.6	1.6	1.6	11.9	12.4	12.4	6.8	7.3	7.5
Kenosha	1.1	1.2	1.2	8.4	8.8	8.8	6.0	6.3	6.4
La Crosse	1.5	1.6	1.6	14.3	15.1	15.3	6.9	6.9	7.9
Madison	17.8	18.5	18.5	44.2	45.5	45.7	55.8	54.4	55.7
Milwaukee	49.8	51.2	51.5	185.0	191.5	192.0	83.6	81.3	82.6
Racine	2.2	2.2	2.2	15.7	16.2	16.3	8.1	8.2	8.3
Wausau	3.5	3.6	3.6	8.3	8.6	8.7	6.1	6.0	6.4
Wyoming	7.2	7.3	7.3	30.7	31.1	31.2	52.5	52.1	52.6
Puerto Rico	35.7	35.9	35.9	118.4	120.9	123.2	285.6	297.1	295.7
Caguas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	15.9	16.1	16.1
Mayaguez	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	18.7	19.4	19.2
Ponce	(¹)	(¹)	(¹)	10.0	10.0	10.2	16.6	17.2	17.0
San Juan	28.5	28.5	28.5	85.6	88.6	89.8	170.4	177.6	176.9
Virgin Islands	1.9	2.0	(¹)	9.8	9.6	(¹)	12.7	12.8	(¹)

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

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1988 benchmarks.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers' 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	12.32	464.46
1986	34.8	8.76	304.85	42.2	12.46	525.81	37.4	12.48	466.75
1987	34.8	8.98	312.50	42.4	12.52	530.85	37.8	12.69	479.68
1988	34.8	9.29	323.29	42.3	12.69	536.79	37.9	12.97	491.56
Monthly data, not seasonally adjusted									
1988:									
March	34.4	\$9.18	\$315.79	41.9	\$12.59	\$527.52	37.4	\$12.87	\$481.34
April	34.7	9.23	320.28	42.8	12.60	539.28	37.9	12.88	488.15
May	34.6	9.26	320.40	42.2	12.54	529.19	38.2	12.87	491.63
June	34.9	9.23	322.13	42.5	12.55	533.38	38.7	12.85	497.30
July	35.1	9.25	324.68	42.3	12.66	535.52	38.5	12.91	497.04
August	35.0	9.24	323.40	42.0	12.62	530.04	38.6	12.95	499.87
September	34.8	9.40	327.12	42.2	12.75	538.05	38.4	13.13	504.19
October	34.9	9.45	329.81	42.7	12.72	543.14	39.0	13.13	512.07
November	34.7	9.46	328.26	41.9	12.83	537.58	37.7	13.04	491.61
December	34.9	9.46	330.15	42.7	12.97	553.82	37.2	13.16	489.55
1989:									
January	34.5	9.54	329.13	42.1	13.14	553.19	36.4	13.22	481.21
February ^o	34.3	9.54	327.22	41.9	13.18	552.24	36.1	13.17	475.44
March ^p	34.4	9.56	328.86	42.0	13.10	550.20	37.4	13.26	495.92

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	9.54	9.16	386.37	39.5	11.40	450.30	38.4	9.16	351.74
1986	40.7	9.73	9.34	396.01	39.2	11.70	458.64	38.3	9.35	358.11
1987	41.0	9.91	9.48	406.31	39.2	12.03	471.58	38.1	9.59	365.38
1988	41.1	10.17	9.71	417.99	39.3	12.32	484.18	38.1	9.92	377.95
Monthly data, not seasonally adjusted										
1988:										
March	40.9	\$10.07	\$9.64	\$411.86	38.6	\$12.19	\$470.53	37.9	\$9.78	\$370.66
April	41.0	10.12	9.68	414.92	39.2	12.27	480.98	38.2	9.88	377.42
May	40.9	10.14	9.70	414.73	39.2	12.28	481.38	38.0	9.87	375.06
June	41.2	10.16	9.70	418.59	39.5	12.27	484.67	38.1	9.85	375.29
July	40.7	10.16	9.72	413.51	39.8	12.33	490.73	38.3	9.93	380.32
August	40.8	10.12	9.66	412.90	39.7	12.35	490.30	38.0	9.88	375.44
September	41.3	10.25	9.75	423.33	39.5	12.41	490.20	38.1	10.01	381.38
October	41.3	10.24	9.76	422.91	39.5	12.43	490.99	38.2	10.08	385.06
November	41.5	10.30	9.82	427.45	39.3	12.46	489.68	38.0	10.05	381.90
December	41.6	10.37	9.87	431.39	39.5	12.43	490.99	38.2	10.12	386.58
1989:										
January	41.0	10.37	9.91	425.17	39.3	12.47	490.07	37.9	10.21	386.96
February ^p	40.8	10.37	9.91	423.10	38.9	12.50	486.25	37.7	10.21	384.92
March ^p	40.9	10.40	9.94	425.36	39.0	12.48	486.72	37.8	10.21	385.94

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	7.90	256.75
1986	29.2	6.03	176.08	36.4	8.36	304.30	32.5	8.18	265.85
1987	29.2	6.11	178.41	36.3	8.73	316.90	32.5	8.48	275.60
1988	29.1	6.31	183.62	35.9	9.10	326.69	32.6	8.90	290.14
Monthly data, not seasonally adjusted									
1988:									
March	28.6	\$6.24	\$178.46	35.8	\$8.97	\$321.13	32.3	\$8.80	\$284.24
April	28.9	6.26	180.91	36.2	9.03	326.89	32.6	8.82	287.53
May	28.9	6.28	181.49	35.8	9.09	325.42	32.4	8.84	286.42
June	29.4	6.26	184.04	35.8	8.98	321.48	32.7	8.78	287.11
July	30.0	6.28	188.40	36.2	9.03	326.89	33.0	8.79	290.07
August	29.8	6.26	186.55	35.7	9.04	322.73	32.8	8.79	288.31
September	29.0	6.37	184.73	35.8	9.14	327.21	32.5	8.98	291.85
October	29.1	6.38	185.66	36.0	9.29	334.44	32.7	9.07	296.59
November	28.8	6.43	185.18	35.7	9.27	330.94	32.5	9.10	295.75
December	29.6	6.42	190.03	35.8	9.32	333.66	32.5	9.15	297.38
1989:									
January	28.4	6.47	183.75	36.1	9.46	341.51	32.6	9.24	301.22
February ^p	28.3	6.46	182.82	35.8	9.46	338.67	32.4	9.25	299.70
March ^p	28.4	6.46	183.46	35.8	9.47	339.03	32.3	9.27	299.42

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 1987 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1987 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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Total private		34.5	34.4	34.5	34.3	34.4	-				
Mining		41.8	41.9	42.1	41.9	42.0			-		-
Metal mining	10	42.9	42.8	42.4	42.5		-		-		-
Iron ores	101	42.1	41.5	43.2	43.9						
Copper ores	102	44.1	44.6	44.2	44.2			-	-		
Coal mining	11,12	42.0	42.1	42.8	43.5		-		-		
Bituminous coal and lignite mining	12	42.1	42.1	42.9	43.6	-	-				-
Oil and gas extraction	13	41.3	41.0	41.5	40.9						
Crude petroleum, natural gas, and natural gas liquids	131,2	40.9	40.4	42.9	41.7				-		
Oil and gas field services	138	41.6	41.4	40.7	40.5		-	-			
Nonmetallic minerals, except fuels	14	42.7	44.3	43.2	42.7		-				-
Crushed and broken stone	142	42.6	45.4	43.7	43.3						
Construction		36.1	37.4	36.4	36.1	37.4					-
General building contractors	15	36.0	37.2	36.7	36.4						
Residential building construction	152	35.1	36.3	35.6	35.4						
Operative builders	153	37.8	38.4	38.1	37.4						
Nonresidential building construction	154	37.0	38.0	38.0	37.5						
Heavy construction contractors	16	39.0	40.9	38.3	38.4						
Highway and street construction	161	38.0	40.3	36.5	36.9						
Heavy construction, except highway	162	39.4	41.1	39.1	39.0						
Special trade contractors	17	35.3	36.6	35.9	35.5						
Plumbing, heating, and air conditioning	171	37.0	38.0	38.1	37.8						
Painting, paper hanging, and decorating	172	34.7	35.2	34.9	34.5				-		
Electrical work	173	37.5	38.6	38.1	37.9						
Masonry, stonework, and plastering	174	33.2	34.9	33.7	33.2						
Carpentering and flooring	175	34.5	35.3	33.9	34.3						
Roofing and sheet metal work	176	30.6	33.3	31.1	30.1						
Manufacturing		40.7	40.9	41.0	40.8	40.9	3.6	3.6	3.8	3.8	3.8
Durable goods		41.3	41.6	41.7	41.5	41.7	3.7	3.8	4.0	4.0	4.0
Lumber and wood products	24	39.8	39.9	39.6	39.0	39.7	3.2	3.3	3.2	3.2	
Logging camps and logging contractors	241	40.6	39.7	38.5	37.6	-	4.3	3.8	3.9	4.1	
Sawmills and planing mills	242	41.4	41.3	41.1	40.3		4.1	4.1	3.9	3.9	
Sawmills and planing mills, general	2421	41.8	41.6	41.3	40.3		4.4	4.4	4.1	4.1	
Hardwood dimension and flooring	2426	40.1	40.1	40.8	40.3		3.1	3.0	3.2	3.0	
Millwork, plywood, and structural members	243	39.3	39.4	39.4	39.0		2.7	2.9	2.9	2.9	
Millwork	2431	38.9	39.2	39.1	38.8		1.9	2.1	2.1	2.2	
Wood kitchen cabinets	2434	37.4	38.2	37.8	37.3		1.9	2.2	2.3	2.3	
Hardwood veneer and plywood	2435	41.1	40.7	40.8	40.3		3.8	3.7	3.9	4.0	
Softwood veneer and plywood	2436	43.1	41.2	42.9	42.1		4.9	4.8	5.4	5.0	
Wood containers	244	38.1	38.4	38.4	38.4		3.0	3.0	2.9	3.3	
Wood buildings and mobile homes	245	35.8	37.9	37.6	36.5		1.3	1.9	1.9	1.6	
Mobile homes	2451	35.2	37.3	37.7	35.9	-	1.0	1.6	2.0	1.5	
Miscellaneous wood products	249	40.1	40.6	39.7	39.3		3.0	3.1	2.8	3.0	
Furniture and fixtures	25	38.9	39.0	39.3	39.3	39.9	2.3	2.4	2.5	2.5	
Household furniture	251	38.9	38.9	39.0	39.0	-	2.3	2.3	2.3	2.4	
Wood household furniture	2511	39.5	39.3	39.5	39.4		2.5	2.5	2.5	2.4	
Upholstered household furniture	2512	37.6	37.5	38.1	38.2		1.7	1.5	1.8	2.0	
Metal household furniture	2514	41.2	42.1	39.8	40.3		3.7	4.0	2.7	3.2	
Mattresses and bedsprings	2515	38.0	38.9	38.2	39.2		2.2	2.8	2.4	3.0	
Office furniture	252	40.0	39.7	40.4	39.5		2.1	2.1	2.9	2.7	
Public building and related furniture	253	39.2	39.8	40.2	39.6		3.2	3.6	3.5	3.2	
Partitions and fixtures	254	39.1	39.4	40.2	40.7		2.7	2.8	3.4	3.5	
Miscellaneous furniture and fixtures	259	36.8	37.6	38.8	39.0		1.5	1.8	1.9	1.8	
Stone, clay, and glass products	32	41.3	42.0	41.5	41.1	42.0	4.5	4.8	4.5	4.4	
Flat glass	321	46.0	45.1	46.3	42.8	-	7.7	6.8	8.2	6.7	
Glass and glassware, pressed or blown	322	41.4	41.5	41.8	41.9		4.5	4.5	4.2	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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^a	Mar. 1989 ^a	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^a	Mar. 1989 ^a
Total private		\$9.17	\$9.18	\$9.54	\$9.54	\$9.56	\$316.37	\$315.79	\$329.13	\$327.22	\$328.86
Mining		12.71	12.59	13.14	13.18	13.10	531.28	527.52	553.19	552.24	550.20
Metal mining	10	13.07	13.08	13.67	13.59	-	560.70	559.82	579.61	577.58	-
Iron ores	101	14.20	14.22	15.19	14.14	-	597.82	590.13	656.21	620.75	-
Copper ores	102	11.67	11.70	11.84	11.98	-	514.65	521.82	523.33	529.52	-
Coal mining	11,12	15.89	15.76	16.27	16.25	-	667.38	663.50	696.36	706.88	-
Bituminous coal and lignite mining	12	15.94	15.81	16.33	16.30	-	671.07	665.60	700.56	710.68	-
Oil and gas extraction	13	11.66	11.58	12.21	12.24	-	481.56	474.78	506.72	500.62	-
Crude petroleum, natural gas, and natural gas liquids	131,2	14.27	14.32	14.81	14.85	-	583.64	578.53	635.35	619.25	-
Oil and gas field services	138	10.18	10.04	10.63	10.68	-	423.49	415.66	432.64	432.54	-
Nonmetallic minerals, except fuels	14	10.83	10.78	11.01	11.13	-	462.44	477.55	475.63	475.25	-
Crushed and broken stone	142	10.04	10.14	10.23	10.38	-	427.70	460.36	447.05	449.45	-
Construction		12.82	12.87	13.22	13.17	13.26	462.80	481.34	481.21	475.44	495.92
General building contractors	15	11.99	12.04	12.39	12.37	-	431.64	447.89	454.71	450.27	-
Residential building construction	152	11.37	11.40	11.71	11.74	-	399.09	413.82	416.88	415.60	-
Operative builders	153	10.99	10.94	11.71	11.63	-	415.42	420.10	446.15	434.96	-
Nonresidential building construction	154	12.72	12.80	13.18	13.11	-	470.64	486.40	500.84	491.63	-
Heavy construction contractors	16	11.96	12.01	12.62	12.53	-	466.44	491.21	483.35	481.15	-
Highway and street construction	161	11.79	11.76	12.30	12.13	-	448.02	473.93	448.95	447.60	-
Heavy construction, except highway	162	12.03	12.12	12.74	12.68	-	473.98	498.13	498.13	494.52	-
Special trade contractors	17	13.42	13.47	13.72	13.66	-	473.73	493.00	492.55	484.93	-
Plumbing, heating, and air conditioning	171	13.55	13.65	13.98	13.98	-	501.35	518.70	532.64	528.44	-
Painting, paper hanging, and decorating	172	12.88	12.83	12.76	12.65	-	446.94	451.62	445.32	436.43	-
Electrical work	173	14.51	14.69	14.59	14.52	-	544.13	567.03	555.88	550.31	-
Masonry, stonework, and plastering	174	13.41	13.56	13.82	13.73	-	445.21	473.24	465.73	455.84	-
Carpentering and flooring	175	12.66	12.70	12.94	12.98	-	436.77	448.31	438.67	445.21	-
Roofing and sheet metal work	176	11.96	12.03	12.39	12.01	-	365.98	400.60	385.33	361.50	-
Manufacturing		10.05	10.07	10.37	10.37	10.40	409.04	411.86	425.17	423.10	425.36
Durable goods		10.58	10.59	10.89	10.90	10.93	436.95	440.54	454.11	452.35	455.78
Lumber and wood products	24	8.53	8.45	8.70	8.67	8.72	339.49	337.16	344.52	338.13	346.18
Logging camps and logging contractors	241	10.62	10.43	10.82	10.78	-	431.17	414.07	416.57	405.33	-
Sawmills and planing mills	242	8.65	8.59	8.89	8.84	-	358.11	354.77	365.38	356.25	-
Sawmills and planing mills, general	2421	9.00	8.93	9.22	9.18	-	376.20	371.49	380.79	369.95	-
Hardwood dimension and flooring	2426	6.93	6.91	7.29	7.22	-	277.89	277.09	297.43	290.97	-
Millwork, plywood, and structural members	243	8.61	8.59	8.71	8.68	-	338.37	338.45	343.17	338.52	-
Millwork	2431	8.92	8.88	8.83	8.82	-	346.99	348.10	345.25	342.22	-
Wood kitchen cabinets	2434	7.82	7.83	8.09	8.11	-	292.47	299.11	305.80	302.50	-
Hardwood veneer and plywood	2435	6.96	6.94	7.22	7.29	-	286.06	282.46	294.58	293.79	-
Softwood veneer and plywood	2436	10.08	10.15	10.28	10.14	-	434.45	418.18	441.01	426.89	-
Wood containers	244	6.32	6.25	6.42	6.45	-	240.79	240.00	246.53	247.68	-
Wood buildings and mobile homes	245	7.95	7.98	8.31	8.30	-	284.61	302.44	312.46	302.95	-
Mobile homes	2451	7.91	8.02	8.38	8.40	-	278.43	299.15	315.93	301.56	-
Miscellaneous wood products	249	7.28	7.23	7.47	7.52	-	291.93	293.54	296.56	295.54	-
Furniture and fixtures	25	7.74	7.76	8.08	8.06	8.09	301.09	302.64	317.54	316.76	322.79
Household furniture	251	7.16	7.19	7.44	7.46	-	278.52	279.69	290.16	290.94	-
Wood household furniture	2511	6.70	6.72	6.98	7.00	-	264.65	264.10	275.71	275.80	-
Upholstered household furniture	2512	7.88	7.93	8.15	8.17	-	296.29	297.38	310.52	312.09	-
Metal household furniture	2514	6.88	6.85	7.23	7.24	-	283.46	288.39	287.75	291.77	-
Mattresses and bedsprings	2515	7.69	7.73	8.04	8.01	-	292.22	300.70	307.13	313.99	-
Office furniture	252	8.76	8.82	9.31	9.14	-	350.40	350.15	376.12	361.03	-
Public building and related furniture	253	8.10	8.06	8.57	8.61	-	317.52	320.79	344.51	340.96	-
Partitions and fixtures	254	9.21	9.25	9.52	9.54	-	360.11	364.45	382.70	388.28	-
Miscellaneous furniture and fixtures	259	8.21	8.23	8.45	8.40	-	302.13	309.45	327.86	327.60	-
Stone, clay, and glass products	32	10.33	10.36	10.60	10.63	10.63	426.63	435.12	439.90	436.89	446.46
Flat glass	321	14.99	14.71	15.44	15.65	-	689.54	663.42	714.87	669.82	-
Glass and glassware, pressed or blown	322	11.49	11.51	11.79	11.80	-	475.69	477.67	492.82	494.42	-

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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	40.8	41.0	41.6	41.9	-	5.2	5.1	4.9	5.0	
Pressed and blown glass, nec	3229	42.0	42.0	41.9	41.8	-	3.8	3.9	3.5	3.8	
Products of purchased glass	323	41.0	41.6	42.4	42.2	-	3.2	3.2	3.7	3.5	-
Cement, hydraulic	324	43.7	43.5	42.1	41.8	-	4.4	4.2	3.7	3.7	
Structural clay products	325	42.0	41.7	41.8	41.2	-	4.3	4.2	4.0	3.8	
Pottery and related products	326	40.7	40.3	40.4	40.6	-	3.3	3.1	3.2	3.3	
Concrete, gypsum, and plaster products	327	40.3	42.3	40.4	40.0	-	4.8	5.9	4.9	4.9	
Concrete block and brick	3271	42.3	45.0	42.8	41.5	-	5.7	7.1	5.0	4.4	-
Concrete products, nec	3272	41.5	42.5	42.0	41.3	-	5.0	5.6	5.5	5.2	
Ready-mixed concrete	3273	37.8	40.7	37.5	37.0	-	4.0	5.5	3.8	4.1	
Misc. nonmetallic mineral products	329	42.4	42.5	42.7	42.0	-	4.9	4.7	4.9	4.6	
Abrasive products	3291	43.0	43.3	44.7	44.2	-	3.8	4.0	4.6	4.3	-
Asbestos products	3292	43.9	43.3	44.4	43.8	-	4.9	3.9	5.8	6.1	
Primary metal industries	33	43.2	43.4	43.7	43.4	43.6	5.2	5.2	5.5	5.5	
Blast furnaces and basic steel products	331	43.9	43.7	44.0	43.7	44.0	5.7	5.5	5.5	5.9	-
Blast furnaces and steel mills	3312	44.2	43.9	44.3	44.0	-	5.9	5.6	5.7	6.1	-
Steel pipe and tubes	3317	43.2	42.9	42.6	41.9	-	5.7	5.5	5.0	4.9	-
Iron and steel foundries	332	43.1	43.5	44.0	43.2	-	5.2	5.3	5.9	5.5	-
Gray iron foundries	3321	43.1	43.4	44.1	43.3	-	5.5	5.5	6.3	6.1	-
Malleable iron foundries	3322	42.2	42.0	42.8	41.1	-	3.8	4.0	5.1	3.8	-
Steel foundries, nec	3325	43.1	43.7	43.6	42.8	-	5.0	5.2	5.2	4.7	-
Primary nonferrous metals	333	43.5	43.8	43.6	43.8	-	4.6	4.9	4.8	4.9	-
Primary aluminum	3334	43.7	44.2	43.4	43.5	-	4.4	4.8	4.8	5.0	-
Nonferrous rolling and drawing	335	43.1	43.5	43.9	43.7	-	5.3	5.6	6.1	6.0	-
Copper rolling and drawing	3351	43.5	43.8	43.7	43.8	-	6.1	5.8	5.4	5.9	-
Aluminum sheet, plate, and foil	3353	45.5	45.4	44.4	44.8	-	7.5	7.6	6.9	7.3	-
Nonferrous wire drawing and insulating	3357	42.6	43.2	43.7	42.8	-	4.5	4.9	6.0	5.3	-
Nonferrous foundries	336	41.8	41.8	42.3	42.2	-	3.7	3.9	4.3	4.2	-
Aluminum foundries	3361	42.3	42.4	42.7	42.6	-	3.9	4.3	4.6	4.3	-
Fabricated metal products	34	41.3	41.6	41.9	41.5	41.6	3.8	3.9	4.1	4.0	
Metal cans and shipping containers	341	43.0	43.5	44.4	43.8	-	5.2	5.5	5.6	5.6	
Metal cans	3411	43.3	43.7	44.9	44.1	-	5.4	5.7	5.7	5.7	-
Cutlery, hand tools, and hardware	342	41.6	41.7	41.3	41.1	-	3.7	3.7	3.3	3.2	
Hand and edge tools, and hand saws and blades	3423,5	41.4	41.6	40.9	41.0	-	3.5	3.4	3.1	3.1	-
Hardware, nec	3429	41.2	41.5	41.2	40.8	-	3.5	3.7	3.3	3.0	
Plumbing and heating, except electric	343	40.2	40.6	41.4	40.9	-	3.2	3.1	3.8	3.4	-
Plumbing fittings and brass goods	3432	40.5	41.2	42.0	42.1	-	3.3	3.4	3.9	4.1	
Heating equipment, except electric	3433	39.6	39.6	40.6	39.6	-	2.7	2.3	4.2	2.8	
Fabricated structural metal products	344	39.9	40.4	40.8	40.5	-	3.0	3.2	3.7	3.6	
Fabricated structural metal	3441	40.7	41.5	41.8	40.9	-	3.5	4.0	4.6	4.2	
Metal doors, sash, and trim	3442	37.9	38.5	38.9	38.9	-	1.9	2.1	2.6	2.6	
Fabricated plate work (boiler shops)	3443	42.1	42.5	42.7	42.8	-	3.9	4.2	4.3	4.7	
Sheet metal work	3444	39.5	40.1	40.1	39.4	-	2.9	3.0	3.1	2.8	
Architectural metal work	3446	39.7	39.7	40.7	40.4	-	3.4	3.0	4.7	4.2	
Screw machine products, bolts, etc	345	42.8	42.9	43.7	43.1	-	5.1	5.1	5.7	5.5	
Screw machine products	3451	41.6	41.8	42.3	41.9	-	4.5	4.5	4.7	4.4	
Bolts, nuts, rivets, and washers	3452	44.2	44.2	45.3	44.7	-	5.8	5.9	6.8	6.8	
Metal forgings and stampings	346	42.2	42.6	43.3	43.0	-	4.6	4.7	5.2	4.9	
Iron and steel forgings	3462	42.6	43.3	44.4	44.3	-	4.4	4.5	6.0	6.0	
Automotive stampings	3465	42.9	43.7	45.1	44.3	-	4.9	5.4	6.2	5.6	-
Metal stampings, nec	3469	41.4	41.2	40.9	41.0	-	4.3	4.1	3.8	3.7	
Metal services, nec	347	40.9	41.1	41.1	40.9	-	3.7	3.7	3.7	3.8	-
Plating and polishing	3471	41.0	41.0	41.1	40.8	-	3.9	3.8	3.6	3.7	
Metal coating and allied services	3479	40.7	41.2	41.1	41.0	-	3.4	3.4	4.0	3.9	
Ordnance and accessories, nec	348	42.0	42.0	41.8	42.0	-	3.4	3.3	2.7	2.8	-
Ammunition, except for small arms, nec	3483	40.9	41.1	40.6	41.8	-	2.8	2.7	2.7	2.7	-
Misc. fabricated metal products	349	41.8	41.9	41.9	41.2	-	3.8	3.8	3.7	3.5	-
Valves and pipe fittings	3494	43.0	42.6	42.7	41.6	-	4.2	4.1	3.8	3.5	
Misc. fabricated wire products	3496	40.4	41.0	40.3	40.0	-	3.4	3.5	3.4	3.3	
Machinery, except electrical	35	42.5	42.7	42.6	42.4	42.5	4.3	4.3	4.4	4.5	-
Engines and turbines	351	44.1	44.2	43.3	43.8	-	5.1	5.2	4.0	4.7	-
Turbines and turbine generator sets	3511	42.6	42.5	42.5	43.4	-	3.5	4.3	4.2	5.4	-
Internal combustion engines, nec	3519	44.5	44.7	43.5	43.9	-	5.6	5.5	4.0	4.5	
Farm and garden machinery	352	43.7	43.7	41.9	42.5	-	4.4	4.2	4.1	4.9	
Farm machinery and equipment	3523	43.6	43.9	42.2	42.9	-	4.3	4.3	4.4	5.5	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^a	Mar. 1989 ^a	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^a	Mar. 1989 ^a
		Durable goods—Continued									
Stone, clay, and glass products—Continued											
Glass containers	3221	\$11.90	\$11.93	\$12.21	\$12.20		\$485.52	\$489.13	\$507.94	\$511.18	
Pressed and blown glass, nec	3229	11.04	11.06	11.34	11.36		463.68	464.52	475.15	474.85	
Products of purchased glass	323	8.83	8.86	9.36	9.38		362.03	368.58	396.86	395.84	
Cement, hydraulic	324	13.45	13.26	13.72	13.73		587.77	576.81	577.61	573.91	
Structural clay products	325	8.71	8.72	9.13	9.12		365.82	363.62	381.63	375.74	
Pottery and related products	326	9.12	9.14	9.57	9.58		371.18	368.34	386.63	388.95	
Concrete, gypsum, and plaster products	327	10.00	10.10	10.22	10.24		403.00	427.23	412.89	409.60	
Concrete block and brick	3271	9.21	9.14	9.33	9.31		389.58	411.30	399.32	386.37	
Concrete products, nec	3272	9.01	9.07	9.27	9.28		373.92	385.48	389.34	383.26	
Ready-mixed concrete	3273	10.90	10.99	11.09	11.15		412.02	447.29	415.88	412.55	
Misc. nonmetallic mineral products	329	10.47	10.55	10.61	10.66		443.93	448.38	453.05	447.72	
Abrasive products	3291	9.98	10.08	10.13	10.19		429.14	436.46	452.81	450.40	
Asbestos products	3292	10.43	10.36	11.08	11.26		457.88	448.59	491.95	493.19	
Primary metal industries	33	12.03	12.07	12.28	12.28	\$12.28	519.70	523.84	536.64	532.95	\$535.41
Blast furnaces and basic steel products	331	13.89	13.89	14.04	14.13	14.18	609.77	606.99	617.76	617.48	623.92
Blast furnaces and steel mills	3312	14.64	14.63	14.78	14.93	-	647.09	642.26	654.75	656.92	-
Steel pipe and tubes	3317	10.93	10.94	11.03	10.87		472.18	469.33	469.88	455.45	
Iron and steel foundries	332	10.77	10.86	11.24	11.16		464.19	472.41	494.56	482.11	
Gray iron foundries	3321	11.26	11.38	11.88	11.78		485.31	493.89	523.91	510.07	
Malleable iron foundries	3322	11.55	11.66	12.15	11.87		487.41	489.72	520.02	487.86	
Steel foundries, nec	3325	10.13	10.18	10.29	10.25		436.60	444.87	448.64	438.70	
Primary nonferrous metals	333	12.96	13.17	13.41	13.41		563.76	576.85	584.68	587.36	
Primary aluminum	3334	13.27	13.59	13.82	13.66		579.90	600.68	599.79	594.21	
Nonferrous rolling and drawing	335	11.43	11.51	11.86	11.84		492.63	500.69	520.65	517.41	
Copper rolling and drawing	3351	10.79	10.75	11.07	11.17		469.37	470.85	483.76	489.25	
Aluminum sheet, plate, and foil	3353	13.82	13.89	14.06	14.07		628.81	630.61	624.26	630.34	
Nonferrous wire drawing and insulating	3357	11.46	11.60	12.15	12.05		488.20	501.12	530.96	515.74	
Nonferrous foundries	336	9.58	9.59	9.78	9.74		400.44	400.86	413.69	411.03	
Aluminum foundries	3361	9.80	9.84	10.09	9.98		414.54	417.22	430.84	425.15	
Fabricated metal products	34	10.13	10.14	10.44	10.44	10.44	418.37	421.82	437.44	433.26	434.30
Metal cans and shipping containers	341	13.42	13.43	13.69	13.77	-	577.06	584.21	607.84	603.13	-
Metal cans	3411	14.24	14.31	14.56	14.72		616.59	625.35	653.74	649.15	
Cutlery, hand tools, and hardware	342	9.98	10.02	10.35	10.32		415.17	417.83	427.46	424.15	
Hand and edge tools, and hand saws and blades ..	3423,5	9.27	9.24	9.51	9.47		383.78	384.38	388.96	388.27	
Hardware, nec	3429	10.30	10.37	10.73	10.73		424.36	430.36	442.08	437.78	
Plumbing and heating, except electric	343	9.21	9.25	9.47	9.43		370.24	375.55	392.06	385.69	
Plumbing fittings and brass goods	3432	8.83	8.88	9.14	9.09		357.62	365.86	383.88	382.69	
Heating equipment, except electric	3433	9.00	8.94	9.35	9.38		356.40	354.02	379.61	371.45	
Fabricated structural metal products	344	9.47	9.50	9.77	9.80		377.85	383.80	398.62	396.90	
Fabricated structural metal	3441	10.07	10.13	10.43	10.42		409.85	420.40	435.97	426.18	
Metal doors, sash, and trim	3442	8.03	8.00	8.31	8.32		304.34	308.00	323.26	323.65	
Fabricated plate work (boiler shops)	3443	10.29	10.26	10.42	10.55		433.21	436.05	444.93	451.54	
Sheet metal work	3444	9.71	9.77	10.05	10.07		383.55	391.78	403.01	396.76	
Architectural metal work	3446	8.77	8.89	9.00	9.06		348.17	352.93	366.30	366.02	
Screw machine products, bolts, etc	345	9.95	9.94	10.21	10.24		425.86	426.43	446.18	441.34	
Screw machine products	3451	9.32	9.30	9.53	9.54		387.71	388.74	403.12	399.73	
Bolts, nuts, rivets, and washers	3452	10.67	10.67	10.98	11.03		471.61	471.61	497.39	493.04	
Metal forgings and stampings	346	12.00	12.04	12.44	12.36		506.40	512.90	538.65	531.48	
Iron and steel forgings	3462	12.70	12.75	13.44	13.43		541.02	552.08	596.74	594.95	
Automotive stampings	3465	14.08	14.14	14.43	14.32		604.03	617.92	650.79	634.38	
Metal stampings, nec	3469	9.48	9.41	9.64	9.59		392.47	387.69	394.28	393.19	
Metal services, nec	347	8.12	8.12	8.41	8.44		332.11	333.73	345.65	345.20	
Plating and polishing	3471	8.21	8.19	8.38	8.40		336.61	335.79	344.42	342.72	
Metal coating and allied services	3479	7.96	8.00	8.48	8.51		323.97	329.60	348.53	348.91	
Ordnance and accessories, nec	348	11.24	11.22	11.43	11.45		472.08	471.24	477.77	480.90	
Ammunition, except for small arms, nec	3483	10.83	10.86	11.17	11.14		442.95	446.35	453.50	465.65	
Misc. fabricated metal products	349	9.42	9.37	9.67	9.68		393.76	392.60	405.17	398.82	
Valves and pipe fittings	3494	10.21	10.19	10.42	10.40		439.03	434.09	444.93	432.64	
Misc. fabricated wire products	3496	8.46	8.32	8.60	8.62		341.78	341.12	346.58	344.80	
Machinery, except electrical	35	10.82	10.84	11.16	11.18	11.21	459.85	462.87	475.42	474.03	476.43
Engines and turbines	351	13.45	13.55	13.75	13.89	-	593.15	598.91	595.38	608.38	-
Turbines and turbine generator sets	3511	13.68	13.88	13.73	13.97		582.77	589.90	583.53	606.30	
Internal combustion engines, nec	3519	13.38	13.46	13.75	13.86		595.41	601.66	598.13	608.45	
Farm and garden machinery	352	9.87	9.81	10.23	10.38		431.32	428.70	428.64	441.15	
Farm machinery and equipment	3523	10.59	10.51	11.00	11.22		461.72	461.39	464.20	481.34	

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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	43.5	43.5	42.6	42.1	-	4.3	4.3	4.2	4.2	-
Construction machinery	3531	44.7	44.9	42.1	42.2	-	4.2	4.0	4.2	4.4	-
Mining machinery	3532	43.8	43.2	42.9	42.4	-	5.0	5.0	4.5	4.4	-
Oil field machinery	3533	43.4	43.6	42.9	40.8	-	5.5	5.9	4.8	4.1	-
Conveyors and conveying equipment	3535	42.3	42.7	43.2	42.8	-	4.0	4.5	4.8	4.8	-
Industrial trucks and tractors	3537	41.6	41.1	41.3	41.9	-	3.6	3.1	2.8	3.4	-
Metalworking machinery	354	43.2	43.4	44.2	43.9	-	5.2	5.3	5.9	5.9	-
Machine tools, metal cutting types	3541	42.3	42.9	44.9	44.9	-	4.3	4.6	5.6	5.8	-
Machine tools, metal forming types	3542	45.0	44.6	45.0	44.4	-	6.8	6.1	6.8	6.2	-
Special dies, tools, jigs, and fixtures	3544	44.0	44.0	44.6	44.1	-	6.0	6.0	6.7	6.5	-
Machine tool accessories	3545	41.9	42.1	42.8	42.5	-	4.3	4.6	4.6	4.9	-
Power driven hand tools	3546	41.8	42.7	43.4	43.7	-	3.2	3.3	4.0	4.4	-
Special industry machinery	355	42.3	42.2	42.3	42.2	-	4.6	4.5	4.7	4.6	-
Food products machinery	3551	42.4	42.2	42.0	42.1	-	4.1	3.9	4.0	4.0	-
Textile machinery	3552	42.9	42.7	42.6	42.2	-	4.2	4.1	4.0	4.0	-
Printing trades machinery	3555	40.2	40.6	39.3	39.4	-	5.0	5.1	4.4	4.6	-
General industrial machinery	356	42.7	42.9	43.1	43.0	-	4.4	4.3	4.7	4.7	-
Pumps and pumping equipment	3561	43.4	43.7	43.3	43.3	-	4.6	4.4	4.0	4.5	-
Ball and roller bearings	3562	44.4	44.2	44.8	44.3	-	5.5	5.4	6.4	6.2	-
Air and gas compressors	3563	42.5	43.1	43.4	43.3	-	5.2	5.2	4.6	4.6	-
Blowers and fans	3564	40.4	40.6	41.1	40.5	-	2.5	2.1	3.2	2.8	-
Speed changers, drives, and gears	3566	43.5	44.5	43.8	43.4	-	4.9	5.5	5.1	5.3	-
Power transmission equipment, nec	3568	42.2	42.2	42.9	42.9	-	5.1	5.0	5.0	4.9	-
Office and computing machines	357	41.3	41.6	41.2	41.2	-	3.1	3.2	2.8	2.8	-
Electronic computing equipment	3573	41.9	42.2	41.4	41.3	-	3.0	3.2	2.7	2.8	-
Refrigeration and service machinery	358	41.2	41.7	41.9	41.6	-	3.1	3.5	3.7	3.3	-
Refrigeration and heating equipment	3585	41.6	42.0	42.5	42.0	-	3.5	3.7	4.1	3.6	-
Misc. machinery, except electrical	359	41.8	42.0	42.2	41.8	-	4.4	4.5	4.7	4.7	-
Carburetors, pistons, rings, and valves	3592	42.2	42.7	43.8	43.0	-	4.5	4.8	5.4	5.2	-
Machinery, except electrical, nec	3599	41.8	41.9	42.0	41.6	-	4.3	4.5	4.6	4.6	-
Electrical and electronic equipment	36	40.6	40.9	41.0	40.6	40.6	3.0	3.0	3.2	3.0	-
Electric distributing equipment	361	41.8	42.4	42.5	41.7	-	3.4	3.6	3.3	3.2	-
Transformers	3612	41.4	42.3	42.6	41.8	-	3.2	3.6	3.5	3.2	-
Switchgear and switchboard apparatus	3613	42.2	42.6	42.3	41.6	-	3.5	3.5	3.2	3.1	-
Electrical industrial apparatus	362	41.9	42.3	42.6	42.3	-	3.7	4.0	3.7	3.5	-
Motors and generators	3621	41.0	42.1	42.5	42.5	-	3.4	4.2	4.3	3.9	-
Industrial controls	3622	41.9	41.9	41.7	41.0	-	3.1	3.2	2.0	2.4	-
Household appliances	363	39.6	39.6	40.9	40.0	-	2.4	2.3	3.2	2.8	-
Household refrigerators and freezers	3632	40.2	40.2	40.3	39.9	-	2.4	3.5	3.0	2.8	-
Household laundry equipment	3633	40.6	40.0	44.4	42.8	-	2.4	1.5	3.9	3.5	-
Electric housewares and fans	3634	40.9	40.4	40.9	40.0	-	2.9	2.8	3.2	2.8	-
Electric lighting and wiring equipment	364	39.9	40.3	40.4	40.1	-	2.8	3.0	3.2	3.0	-
Electric lamps	3641	40.3	40.5	41.6	41.4	-	3.4	3.4	3.2	3.4	-
Current-carrying wiring devices	3643	39.4	39.9	39.6	39.3	-	2.6	2.8	2.7	2.4	-
Noncurrent-carrying wiring devices	3644	41.7	42.1	40.6	40.7	-	3.5	3.5	3.6	3.9	-
Residential lighting fixtures	3645	38.7	38.3	38.8	39.0	-	1.9	1.7	2.0	2.1	-
Radio and TV receiving equipment	365	39.3	39.8	41.0	41.0	-	2.3	2.2	3.6	3.2	-
Radio and TV receiving sets	3651	38.6	39.6	40.2	40.5	-	1.7	1.6	3.0	2.8	-
Communication equipment	366	41.0	41.1	40.8	40.6	-	2.7	2.6	2.5	2.4	-
Telephone and telegraph apparatus	3661	43.0	43.0	41.6	41.1	-	3.8	3.3	3.1	2.8	-
Radio and TV communication equipment	3662	40.3	40.4	40.4	40.4	-	2.3	2.4	2.2	2.3	-
Electronic components and accessories	367	40.3	40.6	40.1	39.8	-	3.2	3.2	3.2	3.1	-
Electronic tubes	3671-3	41.9	42.1	41.8	41.2	-	2.6	2.4	4.5	4.3	-
Semiconductors and related devices	3674	40.2	40.2	40.0	39.3	-	3.5	3.4	3.5	3.5	-
Electronic components, nec	3679	40.4	40.9	40.1	40.1	-	3.2	3.3	3.1	2.9	-
Misc. electrical equipment and supplies	369	41.1	41.6	43.1	41.7	-	3.3	3.3	4.4	3.5	-
Storage batteries	3691	40.6	41.5	43.3	41.3	-	2.6	2.7	3.9	2.5	-
Engine electrical equipment	3694	41.7	41.9	43.5	41.9	-	3.8	3.8	5.4	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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	\$11.02	\$11.06	\$11.17	\$11.21	-	\$479.37	\$481.11	\$475.84	\$471.94	
Construction machinery	3531	12.23	12.28	12.58	12.60	-	546.68	551.37	529.62	531.72	
Mining machinery	3532	11.33	11.53	11.35	11.31	-	496.25	498.10	486.92	479.54	
Oil field machinery	3533	10.71	10.73	10.67	10.75	-	464.81	467.83	457.74	438.60	
Conveyors and conveying equipment	3535	9.82	9.77	10.17	10.17	-	415.39	417.18	439.34	435.28	
Industrial trucks and tractors	3537	9.75	9.72	9.77	9.86	-	405.60	399.49	403.50	413.13	
Metalworking machinery	354	11.28	11.30	11.71	11.70	-	487.30	490.42	517.58	513.63	
Machine tools, metal cutting types	3541	11.19	11.27	11.48	11.53	-	473.34	483.48	515.45	517.70	
Machine tools, metal forming types	3542	11.82	11.71	12.19	12.03	-	531.90	522.27	548.55	534.13	
Special dies, tools, jigs, and fixtures	3544	12.02	12.04	12.58	12.53	-	528.88	529.76	561.07	552.57	
Machine tool accessories	3545	10.13	10.12	10.43	10.51	-	424.45	426.05	446.40	446.68	
Power driven hand tools	3546	8.85	8.84	9.19	9.31	-	369.93	377.47	398.85	406.85	
Special industry machinery	355	10.89	10.96	11.34	11.37	-	460.65	462.51	479.68	479.81	
Food products machinery	3551	10.86	10.97	11.27	11.33	-	460.46	462.93	473.34	476.99	
Textile machinery	3552	9.04	9.11	9.48	9.54	-	387.82	389.00	403.85	402.59	
Printing trades machinery	3555	11.86	11.86	12.41	12.37	-	476.77	481.52	487.71	487.38	
General industrial machinery	356	10.48	10.46	10.76	10.76	-	447.50	448.73	463.76	462.68	
Pumps and pumping equipment	3561	11.12	11.04	11.27	11.35	-	482.61	482.45	487.99	491.46	
Ball and roller bearings	3562	10.95	10.93	11.27	11.21	-	486.18	483.11	504.90	496.60	-
Air and gas compressors	3563	10.44	10.45	10.48	10.42	-	443.70	450.40	454.83	451.19	
Blowers and fans	3564	9.35	9.27	9.62	9.59	-	377.74	376.36	395.38	388.40	
Speed changers, drives, and gears	3566	10.36	10.40	10.69	10.79	-	450.66	462.80	468.22	468.29	
Power transmission equipment, nec	3568	10.61	10.60	10.65	10.52	-	447.74	447.32	456.89	451.31	
Office and computing machines	357	10.47	10.46	10.95	10.96	-	432.41	435.14	451.14	451.55	
Electronic computing equipment	3573	10.45	10.45	10.91	10.92	-	437.86	440.99	451.67	451.00	
Refrigeration and service machinery	358	10.46	10.54	10.73	10.60	-	430.95	439.52	449.59	440.96	
Refrigeration and heating equipment	3585	10.68	10.75	10.90	10.70	-	444.29	451.50	463.25	449.40	
Misc. machinery, except electrical	359	10.52	10.57	10.85	10.91	-	439.74	443.94	457.87	456.04	
Carburetors, pistons, rings, and valves	3592	12.92	12.95	13.25	13.23	-	545.22	552.97	580.35	568.89	
Machinery, except electrical, nec	3599	10.20	10.25	10.54	10.61	-	426.36	429.48	442.68	441.38	
Electrical and electronic equipment	36	10.02	10.04	10.27	10.25	\$10.30	406.81	410.64	421.07	416.15	\$418.18
Electric distributing equipment	361	9.40	9.39	9.42	9.43	-	392.92	398.14	400.35	393.23	-
Transformers	3612	9.21	9.19	9.21	9.25	-	381.29	388.74	392.35	386.65	
Switchgear and switchboard apparatus	3613	9.56	9.56	9.59	9.58	-	403.43	407.26	405.66	398.53	
Electrical industrial apparatus	362	9.88	9.99	10.08	10.00	-	413.97	422.58	429.41	423.00	
Motors and generators	3621	9.79	9.99	10.12	10.01	-	401.39	420.58	430.10	425.43	
Industrial controls	3622	9.79	9.86	9.81	9.78	-	410.20	413.13	409.08	400.98	
Household appliances	363	10.02	10.05	10.17	10.23	-	396.79	397.98	415.95	409.20	
Household refrigerators and freezers	3632	11.44	11.69	11.81	11.76	-	459.89	469.94	475.94	469.22	
Household laundry equipment	3633	11.84	11.72	12.10	12.10	-	480.70	468.80	537.24	517.88	
Electric housewares and fans	3634	7.31	7.37	7.36	7.39	-	298.98	297.75	301.02	295.60	
Electric lighting and wiring equipment	364	9.33	9.37	9.73	9.70	-	372.27	377.61	393.09	388.97	
Electric lamps	3641	10.60	10.66	11.01	10.94	-	427.18	431.73	458.02	452.92	
Current-carrying wiring devices	3643	8.96	8.96	9.56	9.56	-	353.02	357.50	378.58	375.71	
Noncurrent-carrying wiring devices	3644	9.38	9.32	9.26	9.34	-	391.15	392.37	375.96	380.14	
Residential lighting fixtures	3645	6.94	6.87	7.14	7.11	-	268.58	263.12	277.03	277.29	
Radio and TV receiving equipment	365	9.20	9.31	9.74	9.69	-	361.56	370.54	399.34	397.29	
Radio and TV receiving sets	3651	9.59	9.73	10.25	10.19	-	370.17	385.31	412.05	412.70	
Communication equipment	366	11.94	11.94	12.13	12.18	-	489.54	490.73	494.90	494.51	
Telephone and telegraph apparatus	3661	11.54	11.44	11.70	11.75	-	496.22	491.92	486.72	482.93	
Radio and TV communication equipment	3662	12.10	12.14	12.30	12.36	-	487.63	490.46	496.92	499.34	
Electronic components and accessories	367	9.05	9.04	9.36	9.34	-	364.72	367.02	375.34	371.73	
Electronic tubes	3671-3	11.24	11.36	11.77	11.80	-	470.96	478.26	491.99	486.16	
Semiconductors and related devices	3674	11.03	11.00	11.33	11.47	-	443.41	442.20	453.20	450.77	
Electronic components, nec	3679	8.13	8.13	8.38	8.33	-	328.45	332.52	336.04	334.03	
Misc. electrical equipment and supplies	369	10.75	10.73	11.20	11.03	-	441.83	446.37	482.72	459.95	
Storage batteries	3691	11.42	11.30	11.92	11.58	-	463.65	468.95	516.14	478.25	
Engine electrical equipment	3694	11.35	11.40	11.97	11.87	-	473.30	477.66	520.70	497.35	

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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^a	Mar. 1989 ^a	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^a	Mar. 1989 ^a
Durable goods—Continued											
Transportation equipment	37	42.0	42.5	42.9	43.0	43.2	4.2	4.3	5.0	4.9	
Motor vehicles and equipment	371	42.4	43.0	43.7	43.8	44.3	4.3	4.6	5.5	5.3	
Motor vehicles and car bodies	3711	42.1	42.9	42.8	43.7	-	4.0	4.4	5.1	5.0	-
Truck and bus bodies	3713	42.3	43.4	41.5	44.5		3.4	4.5	3.3	5.0	
Motor vehicle parts and accessories	3714	42.9	43.4	45.1	44.3		4.9	5.0	6.5	5.9	
Truck trailers	3715	39.8	40.2	40.0	40.2		2.0	2.4	2.3	2.8	-
Aircraft and parts	372	42.4	42.5	42.9	43.0		4.7	4.6	5.1	5.4	-
Aircraft	3721	41.9	42.0	42.6	42.6		4.3	4.2	5.0	5.2	
Aircraft engines and engine parts	3724	41.9	42.1	42.6	43.2		4.3	4.2	4.9	5.5	-
Aircraft equipment, nec	3728	43.6	43.6	43.4	43.4		5.7	5.5	5.5	5.5	-
Ship and boat building and repairing	373	40.3	40.7	40.3	40.1		2.8	2.9	2.9	2.8	-
Ship building and repairing	3731	40.6	41.1	40.8	40.4		2.9	3.1	3.2	2.9	-
Boat building and repairing	3732	39.6	40.1	39.4	39.5		2.5	2.6	2.6	2.7	-
Railroad equipment	374	42.7	42.9	42.8	43.1		4.1	3.9	4.3	4.3	-
Guided missiles, space vehicles, and parts	376	42.8	43.0	43.3	43.2		4.6	4.0	4.6	4.6	-
Guided missiles and space vehicles	3761	42.8	43.1	42.8	43.0		4.8	4.2	4.3	4.4	-
Miscellaneous transportation equipment	379	38.3	39.9	40.3	40.4		2.3	2.7	3.0	2.8	-
Travel trailers and campers	3792	35.9	37.8	38.8	39.0		.9	1.3	2.4	1.9	-
Instruments and related products	38	41.2	41.6	41.6	41.4	41.1	3.0	3.2	3.0	2.9	-
Engineering and scientific instruments	381	41.8	41.8	42.3	42.0	-	3.1	3.1	3.1	2.8	-
Measuring and controlling devices	382	41.3	41.7	41.8	41.6		2.8	3.1	2.8	2.8	-
Environmental controls	3822	39.1	40.0	41.0	40.1	-	2.7	3.1	2.6	2.4	-
Process control instruments	3823	43.0	44.1	43.7	44.0		3.8	4.3	3.9	4.0	-
Instruments to measure electricity	3825	41.1	41.4	41.7	41.4		2.4	2.9	2.2	2.3	-
Optical instruments and lenses	383	43.7	43.4	43.7	42.6	-	3.4	3.6	3.3	2.7	-
Medical instruments and supplies	384	40.5	41.0	40.5	40.6	-	3.0	3.1	2.7	2.8	-
Surgical and medical instruments	3841	40.6	40.9	40.4	40.9	-	2.7	2.9	2.5	2.8	-
Surgical appliances and supplies	3842	40.4	41.1	40.3	40.0	-	3.3	3.3	2.8	2.8	-
Ophthalmic goods	385	39.6	40.2	40.8	40.6	-	2.5	2.9	3.2	3.2	-
Photographic equipment and supplies	386	43.1	43.0	43.6	43.2	-	4.0	3.8	4.3	3.7	-
Watches, clocks, and watchcases	387	38.0	39.1	38.7	39.1		1.5	1.5	.9	1.0	-
Miscellaneous manufacturing	39	38.9	39.2	39.2	39.2	39.3	2.2	2.3	2.2	2.3	-
Jewelry, silverware, and plated ware	391	37.2	37.6	36.7	37.4	-	1.4	1.7	1.4	1.5	-
Jewelry, precious metal	3911	36.4	36.7	36.2	36.8		1.0	1.2	1.3	1.2	-
Musical instruments	393	40.7	41.3	39.3	39.4		2.9	2.8	1.9	2.0	-
Toys and sporting goods	394	39.0	39.3	39.6	39.5		2.2	2.3	2.0	2.3	-
Dolls, games, toys, and children's vehicles	3942,4	38.1	38.5	38.5	37.8		1.8	1.6	1.4	1.4	-
Sporting and athletic goods, nec	3949	39.7	39.9	40.4	40.6	-	2.5	2.8	2.5	3.0	-
Pens, pencils, office, and art supplies	395	40.6	40.8	40.3	40.0		2.5	2.6	2.9	2.5	-
Costume jewelry and notions	396	37.0	37.9	38.2	37.7		1.5	1.5	1.8	2.1	-
Costume jewelry	3961	35.6	36.3	36.7	36.3		1.0	.6	1.5	1.9	-
Miscellaneous manufactures	399	39.5	39.5	39.9	39.9		2.7	2.8	2.7	2.7	-
Signs and advertising displays	3993	39.1	39.0	39.4	39.4		2.6	2.5	2.5	2.7	-
Nondurable goods		39.8	40.0	40.0	39.8	39.9	3.4	3.4	3.5	3.5	3.5
Food and kindred products	20	39.6	39.6	40.0	39.6	39.8	3.6	3.5	3.9	3.7	-
Meat products	201	38.7	38.7	39.6	39.1	-	3.2	3.2	3.8	3.6	-
Meat packing plants	2011	40.2	40.2	40.3	40.0		3.9	4.1	4.5	4.5	-
Sausages and other prepared meats	2013	39.2	39.3	39.1	39.6		3.2	3.4	3.3	3.9	-
Poultry dressing plants	2016	37.3	37.2	39.1	38.1		2.5	2.4	3.1	2.6	-
Dairy products	202	40.8	41.0	41.1	40.6		4.0	4.0	3.9	4.0	-
Cheese, natural and processed	2022	39.4	39.6	39.7	38.7		3.7	3.5	3.4	3.3	-
Fluid milk	2026	41.8	41.6	41.9	42.0		4.5	4.4	4.3	4.6	-
Preserved fruits and vegetables	203	38.8	38.7	39.6	38.8	-	2.9	2.8	3.6	3.3	-
Canned specialties	2032	37.1	37.5	45.4	41.6		3.4	3.0	7.7	4.8	-
Canned fruits and vegetables	2033	39.0	38.8	38.7	38.3		3.2	2.7	3.2	2.8	-
Frozen fruits and vegetables	2037	38.2	37.9	37.9	38.2		2.4	2.2	2.5	2.7	-
Grain mill products	204	43.7	43.3	43.9	43.4		5.6	5.1	6.4	5.9	-
Flour and other grain mill products	2041	44.8	43.4	45.0	43.6		5.7	4.6	6.3	5.4	-
Prepared feeds, nec	2048	42.8	42.9	43.3	42.7		5.5	5.1	6.5	6.0	-
Bakery products	205	39.5	39.4	39.0	38.7	-	3.8	3.5	3.4	3.3	-
Bread, cake, and related products	2051	38.4	38.5	38.2	37.9		3.8	3.6	3.5	3.3	-
Cookies and crackers	2052	42.4	41.7	41.0	40.7		3.8	3.1	3.3	3.2	-

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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^a	Mar. 1989 ^a	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^a	Mar. 1989 ^a
Durable goods—Continued											
Transportation equipment	37	\$13.17	\$13.20	\$13.62	\$13.62	\$13.68	\$553.14	\$561.00	\$584.30	\$585.66	\$590.98
Motor vehicles and equipment	371	13.85	13.93	14.27	14.25	14.30	587.24	598.99	623.60	624.15	633.49
Motor vehicles and car bodies	3711	15.91	15.95	16.23	16.30	-	669.81	684.26	694.64	712.31	-
Truck and bus bodies	3713	11.57	11.75	11.54	11.85	-	489.41	509.95	478.91	527.33	-
Motor vehicle parts and accessories	3714	12.93	13.04	13.51	13.37	-	554.70	565.94	609.30	592.29	-
Truck trailers	3715	9.16	9.20	9.30	9.39	-	364.57	369.84	372.00	377.48	-
Aircraft and parts	372	13.43	13.43	13.98	14.06	-	569.43	570.78	599.74	604.58	-
Aircraft	3721	(^b)	(^b)	(^b)	(^b)	-	-	-	-	-	-
Aircraft engines and engine parts	3724	\$13.61	\$13.58	\$14.08	\$14.24	-	\$570.26	\$571.72	\$599.81	\$615.17	-
Aircraft equipment, nec	3728	12.48	12.50	12.79	12.88	-	544.13	545.00	555.09	558.99	-
Ship and boat building and repairing	373	10.42	10.40	10.51	10.46	-	419.93	423.28	423.55	419.45	-
Ship building and repairing	3731	11.60	11.59	11.64	11.63	-	470.96	476.35	474.91	469.85	-
Boat building and repairing	3732	8.15	8.19	8.67	8.59	-	322.74	328.42	341.60	339.31	-
Railroad equipment	374	12.17	12.01	12.65	12.65	-	519.66	515.23	541.42	545.22	-
Guided missiles, space vehicles, and parts	376	13.02	13.01	13.52	13.54	-	557.26	559.43	585.42	584.93	-
Guided missiles and space vehicles	3761	(^b)	(^b)	(^b)	(^b)	-	-	-	-	-	-
Miscellaneous transportation equipment	379	\$10.33	\$10.24	\$10.46	\$10.41	-	\$395.64	\$408.58	\$421.54	\$420.56	-
Travel trailers and campers	3792	8.53	8.58	9.03	9.16	-	306.23	324.32	350.36	357.24	-
Instruments and related products	38	9.92	9.88	10.09	10.11	10.17	408.70	411.01	419.74	418.55	417.99
Engineering and scientific instruments	381	10.79	10.83	11.14	11.15	-	451.02	452.69	471.22	468.30	-
Measuring and controlling devices	382	9.79	9.76	9.75	9.87	-	404.33	406.99	407.55	410.59	-
Environmental controls	3822	9.27	9.18	9.18	9.23	-	362.46	367.20	376.38	370.12	-
Process control instruments	3823	9.56	9.52	9.40	9.44	-	411.08	419.83	410.78	415.36	-
Instruments to measure electricity	3825	10.06	10.07	9.81	10.03	-	413.47	416.90	409.08	415.24	-
Optical instruments and lenses	383	10.47	10.59	11.09	11.09	-	457.54	459.61	484.63	472.43	-
Medical instruments and supplies	384	8.84	8.85	9.10	9.15	-	358.02	362.85	368.55	371.49	-
Surgical and medical instruments	3841	9.02	9.08	9.25	9.33	-	366.21	371.37	373.70	381.60	-
Surgical appliances and supplies	3842	8.62	8.59	8.89	8.92	-	348.25	353.05	358.27	356.80	-
Ophthalmic goods	385	7.48	7.47	7.61	7.61	-	296.21	300.29	310.49	308.97	-
Photographic equipment and supplies	386	13.71	13.54	13.82	13.60	-	590.90	582.22	602.55	587.52	-
Watches, clocks, and watchcases	387	7.21	7.21	7.48	7.40	-	273.98	281.91	289.48	289.34	-
Miscellaneous manufacturing	39	7.90	7.91	8.19	8.20	8.18	307.31	310.07	321.05	321.44	321.47
Jewelry, silverware, and plated ware	391	8.44	8.51	8.83	8.80	-	313.97	319.98	324.06	329.12	-
Jewelry, precious metal	3911	8.59	8.65	8.92	8.84	-	312.68	317.46	322.90	325.31	-
Musical instruments	393	7.83	7.98	8.11	8.08	-	318.68	329.57	318.72	318.35	-
Toys and sporting goods	394	7.23	7.23	7.43	7.43	-	281.97	284.14	294.23	293.49	-
Dolls, games, toys, and children's vehicles	3942,4	7.09	7.01	7.45	7.42	-	270.13	269.89	286.83	280.48	-
Sporting and athletic goods, nec	3949	7.33	7.39	7.41	7.43	-	291.00	294.86	299.36	301.66	-
Pens, pencils, office, and art supplies	395	7.70	7.73	8.15	8.04	-	312.62	315.38	328.45	321.60	-
Costume jewelry and notions	396	6.53	6.60	6.87	6.95	-	241.61	250.14	262.43	262.02	-
Costume jewelry	3961	5.97	6.08	6.42	6.40	-	212.53	220.70	235.61	232.32	-
Miscellaneous manufactures	399	8.69	8.67	8.94	8.99	-	343.26	342.47	356.71	358.70	-
Signs and advertising displays	3993	9.10	9.07	9.28	9.25	-	355.81	353.73	365.63	364.45	-
Nondurable goods		9.31	9.33	9.61	9.62	9.65	370.54	373.20	384.40	382.88	385.04
Food and kindred products	20	9.06	9.07	9.28	9.28	9.31	358.78	359.17	371.20	367.49	370.54
Meat products	201	7.52	7.48	7.67	7.71	-	291.02	289.48	303.73	301.46	-
Meat packing plants	2011	8.38	8.31	8.45	8.57	-	336.88	334.06	340.54	342.80	-
Sausages and other prepared meats	2013	8.95	8.97	9.05	9.10	-	350.84	352.52	353.86	360.36	-
Poultry dressing plants	2016	6.26	6.22	6.53	6.50	-	233.50	231.38	255.32	247.65	-
Dairy products	202	9.82	9.78	10.04	10.07	-	400.66	400.98	412.64	408.84	-
Cheese, natural and processed	2022	9.09	9.13	9.31	9.30	-	358.15	361.55	369.61	359.91	-
Fluid milk	2026	10.27	10.15	10.48	10.48	-	429.29	422.24	439.11	440.16	-
Preserved fruits and vegetables	203	8.55	8.58	8.79	8.73	-	331.74	332.05	348.08	338.72	-
Canned specialties	2032	10.31	10.32	10.73	10.70	-	382.50	387.00	487.14	445.12	-
Canned fruits and vegetables	2033	8.67	8.61	8.91	8.82	-	338.13	334.07	344.82	337.81	-
Frozen fruits and vegetables	2037	7.86	7.95	7.81	7.82	-	300.25	301.31	296.00	298.72	-
Grain mill products	204	10.91	10.94	11.14	11.16	-	476.77	473.70	489.05	484.34	-
Flour and other grain mill products	2041	10.62	10.66	11.00	10.83	-	475.78	462.64	495.00	472.19	-
Prepared feeds, nec	2048	8.53	8.61	8.67	8.62	-	365.08	369.37	375.41	368.07	-
Bakery products	205	10.16	10.15	10.37	10.38	-	401.32	399.91	404.43	401.71	-
Bread, cake, and related products	2051	10.18	10.17	10.35	10.35	-	390.91	391.55	395.37	392.27	-
Cookies and crackers	2052	10.13	10.10	10.42	10.44	-	429.51	421.17	427.22	424.91	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	40.5	40.0	41.3	39.6		3.3	3.1	4.3	3.4	
Cane and beet sugar	2061-3	43.5	42.8	45.0	43.7		6.2	5.6	7.2	6.5	-
Confectionery products	2065	38.9	38.5	39.1	37.8		2.3	2.2	3.1	2.6	
Fats and oils	207	42.8	42.6	44.4	43.2		4.9	4.8	5.1	5.0	-
Beverages	208	39.7	40.1	40.1	40.3		3.1	3.5	3.3	3.1	
Malt beverages	2082	41.4	42.4	43.3	43.0		5.3	5.5	5.9	5.6	
Bottled and canned soft drinks	2086	39.2	39.5	38.6	38.8		2.4	2.8	2.2	2.3	-
Misc. food and kindred products	209	38.4	38.3	36.7	37.9		3.5	3.3	3.2	3.5	
Tobacco manufactures	21	38.6	39.3	38.0	37.8	36.4	2.5	2.2	1.8	1.7	
Cigarettes	211	39.1	39.6	38.0	37.9	-	2.9	2.5	1.6	1.8	
Textile mill products	22	41.3	41.0	40.7	40.5	40.8	3.9	3.8	4.0	3.9	
Weaving mills, cotton	221	42.2	41.4	39.9	41.3	-	5.0	4.6	3.8	4.5	
Weaving mills, synthetics	222	41.9	41.7	41.6	41.1	-	4.4	4.3	4.3	4.0	-
Weaving and finishing mills, wool	223	41.2	42.2	41.0	41.1	-	2.6	3.0	3.7	3.5	-
Narrow fabric mills	224	41.0	41.1	42.1	41.4	-	3.4	3.3	3.8	3.4	-
Knitting mills	225	39.7	39.5	39.6	39.0	-	3.0	2.9	3.4	3.3	-
Women's hosiery, except socks	2251	39.5	39.0	40.0	39.2	-	2.8	2.7	3.5	3.1	-
Hosiery, nec	2252	40.5	39.9	38.8	38.0	-	3.2	2.9	2.7	2.7	-
Knit outerwear mills	2253	38.2	38.5	37.7	37.4	-	2.5	2.5	2.9	2.9	-
Knit underwear mills	2254	38.2	38.5	39.7	38.7	-	1.6	1.6	2.0	1.7	-
Circular knit fabric mills	2257	41.4	40.8	41.7	41.4	-	4.7	4.2	4.8	4.7	-
Textile finishing, except wool	226	41.8	41.6	42.6	42.1	-	4.4	4.4	5.4	4.9	-
Finishing plants, cotton	2261	42.9	42.7	41.8	42.2	-	4.9	4.9	5.2	4.4	-
Finishing plants, synthetics	2262	41.5	41.7	43.3	41.6	-	4.0	4.3	5.7	5.0	-
Floor covering mills	227	42.6	42.8	40.6	40.7	-	3.6	3.5	3.9	3.8	-
Yarn and thread mills	228	41.3	40.9	40.9	40.2	-	4.4	4.2	4.1	3.8	-
Yarn mills, except wool	2281	41.9	41.2	41.4	40.4	-	4.6	4.3	4.4	4.0	-
Throwing and winding mills	2282	38.3	39.0	38.0	38.4	-	2.9	3.2	2.9	3.0	-
Miscellaneous textile goods	229	42.9	42.9	42.2	42.2	-	4.4	4.4	4.3	4.3	-
Apparel and other textile products	23	36.7	37.0	36.7	36.9	36.8	1.7	1.7	1.7	1.9	
Men's and boys' suits and coats	231	36.7	37.1	37.1	36.3	-	1.5	1.4	1.2	1.2	-
Men's and boys' furnishings	232	36.2	36.8	36.5	36.5	-	1.4	1.5	1.4	1.5	
Men's and boys' shirts and nightwear	2321	36.5	37.0	36.9	36.9	-	1.4	1.3	1.3	1.3	
Men's and boys' separate trousers	2327	36.5	36.7	36.5	36.4	-	1.5	1.6	1.1	1.5	-
Men's and boys' work clothing	2328	35.2	36.2	35.7	35.6	-	1.3	1.5	1.4	1.5	
Women's and misses' outerwear	233	35.9	36.1	35.4	35.8	-	1.7	1.8	1.5	1.6	
Women's and misses' blouses and waists	2331	35.8	35.7	35.7	36.0	-	1.5	1.5	1.3	1.4	-
Women's and misses' dresses	2335	35.3	36.1	35.9	35.6	-	1.5	1.9	1.6	1.7	-
Women's and misses' suits and coats	2337	35.2	35.6	35.1	35.4	-	1.4	1.5	1.7	1.7	
Women's and misses' outerwear, nec	2339	36.4	36.3	35.2	35.9	-	2.0	2.0	1.5	1.7	
Women's and children's undergarments	234	37.5	37.5	37.1	37.8	-	1.7	1.5	1.8	1.8	
Women's and children's underwear	2341	37.8	37.7	37.4	38.1	-	1.6	1.4	1.8	1.9	
Brassieres and allied garments	2342	36.1	36.3	35.2	35.9	-	2.1	2.2	1.8	1.5	-
Children's outerwear	236	37.3	36.5	37.5	36.5	-	2.1	1.6	2.0	2.1	
Children's dresses and blouses	2361	36.5	34.8	36.9	35.7	-	2.1	1.3	2.0	1.8	
Misc. apparel and accessories	238	37.5	38.3	38.1	37.3	-	1.9	2.2	1.9	2.3	
Misc. fabricated textile products	239	38.0	38.5	38.6	39.1	-	2.2	2.2	2.7	2.9	
Curtains and draperies	2391	35.6	35.6	35.6	37.9	-	.9	1.0	1.1	2.0	-
House furnishings, nec	2392	37.1	38.2	37.5	38.1	-	1.8	2.1	2.0	2.2	
Automotive and apparel trimmings	2396	40.8	40.9	42.2	42.5	-	4.7	4.4	5.6	5.8	
Paper and allied products	26	43.0	42.9	43.2	42.9	42.8	4.8	4.7	5.1	4.9	
Paper and pulp mills	261,2,6	45.3	45.2	45.0	45.3	-	6.3	6.3	6.4	6.5	
Paper mills, except building paper	262	45.4	45.4	45.0	45.4	-	6.5	6.4	6.5	6.6	
Paperboard mills	263	44.0	43.5	44.5	44.3	-	6.6	6.4	6.8	6.7	
Misc. converted paper products	264	41.9	41.7	41.6	41.3	-	3.7	3.7	3.9	3.6	
Paper coating and glazing	2641	43.2	43.2	43.8	44.0	-	3.9	3.8	4.2	4.1	
Envelopes	2642	40.9	41.0	41.7	40.8	-	3.0	3.2	3.6	3.1	
Bags, except textile bags	2643	41.5	41.4	41.7	41.0	-	3.9	4.0	4.2	3.8	
Paperboard containers and boxes	265	41.8	41.9	43.0	42.1	-	4.1	4.0	4.7	4.3	
Folding paperboard boxes	2651	41.9	41.6	43.5	42.9	-	4.2	3.9	5.0	4.7	
Corrugated and solid fiber boxes	2653	42.4	42.6	43.6	42.6	-	4.4	4.4	5.1	4.5	
Sanitary food containers	2654	40.9	41.9	41.3	39.8	-	3.9	3.5	3.5	3.6	-

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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	\$9.41	\$9.45	\$9.64	\$9.61	-	\$381.11	\$378.00	\$398.13	\$380.56	-
Cane and beet sugar	2061-3	10.83	10.95	10.86	11.28	-	471.11	468.66	488.70	492.94	-
Confectionery products	2065	8.26	8.32	8.54	8.50	-	321.31	320.32	333.91	321.30	-
Fats and oils	207	9.11	9.16	9.54	9.44	-	389.91	390.22	423.58	407.81	-
Beverages	208	11.94	12.10	12.49	12.51	-	474.02	485.21	500.85	504.15	-
Malt beverages	2082	16.60	16.78	17.44	17.51	-	687.24	711.47	755.15	752.93	-
Bottled and canned soft drinks	2086	9.44	9.59	9.96	10.02	-	370.05	378.81	384.46	388.78	-
Misc. food and kindred products	209	8.44	8.45	8.67	8.59	-	324.10	323.64	318.19	325.56	-
Tobacco manufactures	21	14.01	14.42	14.28	14.62	\$15.22	540.79	566.71	542.64	552.64	\$554.01
Cigarettes	211	17.12	17.02	17.74	17.93	-	669.39	673.99	674.12	679.55	-
Textile mill products	22	7.30	7.31	7.60	7.60	7.60	301.49	299.71	309.32	307.80	310.08
Weaving mills, cotton	221	7.68	7.66	7.84	7.96	-	324.10	317.12	312.82	328.75	-
Weaving mills, synthetics	222	7.88	7.89	8.18	8.09	-	330.17	329.01	340.29	332.50	-
Weaving and finishing mills, wool	223	7.79	7.98	8.29	8.17	-	320.95	336.76	339.89	335.79	-
Narrow fabric mills	224	6.73	6.78	7.03	7.10	-	275.93	278.66	295.96	293.94	-
Knitting mills	225	6.64	6.63	6.92	6.90	-	263.61	261.89	274.03	269.10	-
Women's hosiery, except socks	2251	6.50	6.49	6.89	6.86	-	256.75	253.11	275.60	268.91	-
Hosiery, nec	2252	6.36	6.35	6.63	6.54	-	257.58	253.37	257.24	248.52	-
Knit outerwear mills	2253	6.53	6.43	6.55	6.55	-	249.45	247.56	246.94	244.97	-
Knit underwear mills	2254	6.32	6.38	6.74	6.69	-	241.42	245.63	267.58	258.90	-
Circular knit fabric mills	2257	7.34	7.39	7.76	7.76	-	303.88	301.51	323.59	321.26	-
Textile finishing, except wool	226	7.60	7.67	8.05	8.03	-	317.68	319.07	342.93	338.06	-
Finishing plants, cotton	2261	7.66	7.74	8.07	8.07	-	328.61	330.50	337.33	340.55	-
Finishing plants, synthetics	2262	7.87	7.87	8.40	8.35	-	326.61	328.18	363.72	347.36	-
Floor covering mills	227	7.53	7.57	7.81	7.88	-	320.78	324.00	317.09	320.72	-
Yarn and thread mills	228	7.00	6.98	7.30	7.30	-	289.10	285.48	298.57	293.46	-
Yarn mills, except wool	2281	6.97	6.97	7.31	7.31	-	292.04	287.16	302.63	295.32	-
Throwing and winding mills	2282	7.19	7.11	7.34	7.37	-	275.38	277.29	278.92	283.01	-
Miscellaneous textile goods	229	8.26	8.26	8.61	8.56	-	354.35	354.35	363.34	361.23	-
Apparel and other textile products	23	6.02	6.03	6.29	6.28	6.31	220.93	223.11	230.84	231.73	232.21
Men's and boys' suits and coats	231	6.83	6.81	7.09	7.09	-	250.66	252.65	263.04	257.37	-
Men's and boys' furnishings	232	5.56	5.56	5.78	5.76	-	201.27	204.61	210.97	210.24	-
Men's and boys' shirts and nightwear	2321	5.42	5.44	5.70	5.69	-	197.83	201.28	210.33	209.96	-
Men's and boys' separate trousers	2327	5.40	5.40	5.61	5.56	-	197.10	198.18	204.77	202.38	-
Men's and boys' work clothing	2328	5.59	5.58	5.74	5.70	-	196.77	202.00	204.92	202.92	-
Women's and misses' outerwear	233	5.81	5.84	6.07	6.07	-	208.58	210.82	214.88	217.31	-
Women's and misses' blouses and waists	2331	5.14	5.12	5.27	5.28	-	184.01	182.78	188.14	190.08	-
Women's and misses' dresses	2335	6.15	6.10	6.42	6.46	-	217.10	220.21	230.48	229.98	-
Women's and misses' suits and coats	2337	6.41	6.46	6.53	6.27	-	225.63	229.98	229.20	221.96	-
Women's and misses' outerwear, nec	2339	5.70	5.77	6.01	6.05	-	207.48	209.45	211.55	217.20	-
Women's and children's undergarments	234	5.64	5.68	5.85	5.87	-	211.50	213.00	217.04	221.89	-
Women's and children's underwear	2341	5.45	5.50	5.71	5.74	-	206.01	207.35	213.55	218.69	-
Brassieres and allied garments	2342	6.75	6.70	6.68	6.65	-	243.68	243.21	235.14	238.74	-
Children's outerwear	236	5.43	5.45	5.66	5.59	-	202.54	198.93	212.25	204.04	-
Children's dresses and blouses	2361	5.40	5.44	5.70	5.56	-	197.10	189.31	210.33	198.49	-
Misc. apparel and accessories	238	5.84	5.87	6.13	6.12	-	219.00	224.82	233.55	228.28	-
Misc. fabricated textile products	239	7.20	7.21	7.51	7.51	-	273.60	277.59	289.89	293.64	-
Curtains and draperies	2391	5.99	5.96	6.21	6.25	-	213.24	212.18	221.08	236.88	-
House furnishings, nec	2392	6.09	6.14	6.37	6.35	-	225.94	234.55	238.88	241.94	-
Automotive and apparel trimmings	2396	11.01	11.09	11.51	11.59	-	449.21	453.58	485.72	492.58	-
Paper and allied products	26	11.50	11.52	11.77	11.80	11.83	494.50	494.21	508.46	506.22	506.32
Paper and pulp mills	261,2,6	14.04	14.13	14.44	14.48	-	636.01	638.68	649.80	655.94	-
Paper mills, except building paper	262	14.11	14.17	14.49	14.50	-	640.59	643.32	652.05	658.30	-
Paperboard mills	263	14.22	14.30	14.47	14.55	-	625.68	622.05	643.92	644.57	-
Misc. converted paper products	264	10.04	10.02	10.29	10.29	-	420.68	417.83	428.06	424.98	-
Paper coating and glazing	2641	11.20	11.22	11.41	11.33	-	483.84	484.70	499.76	498.52	-
Envelopes	2642	9.43	9.47	9.73	9.70	-	385.69	388.27	405.74	395.76	-
Bags, except textile bags	2643	9.23	9.25	9.46	9.47	-	383.05	382.95	394.48	388.27	-
Paperboard containers and boxes	265	9.88	9.86	10.08	10.07	-	412.98	413.13	433.44	423.95	-
Folding paperboard boxes	2651	10.22	10.27	10.51	10.49	-	428.22	427.23	457.19	450.02	-
Corrugated and solid fiber boxes	2653	9.96	9.98	10.26	10.22	-	422.30	425.15	447.34	435.37	-
Sanitary food containers	2654	9.77	9.55	9.81	9.89	-	399.59	400.15	405.15	393.62	-

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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^a	Mar. 1989 ^a	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^a	Mar. 1989 ^a
Nondurable goods—Continued											
Printing and publishing	27	37.8	38.2	37.7	37.7	38.0	2.9	3.2	2.8	2.9	-
Newspapers	271	33.2	33.4	32.6	32.7	-	1.3	1.4	1.0	1.1	-
Periodicals	272	37.9	37.9	37.8	37.3	-	3.0	3.1	3.0	2.7	-
Books	273	40.4	39.9	38.6	39.9	-	3.8	3.8	3.2	3.4	-
Book publishing	2731	39.1	38.7	38.0	38.9	-	3.5	3.3	2.6	3.0	-
Book printing	2732	42.5	42.0	39.6	41.6	-	4.2	4.5	4.2	4.1	-
Miscellaneous publishing	274	36.5	36.7	36.6	36.4	-	2.1	2.3	2.0	1.6	-
Commercial printing	275	39.2	39.6	39.2	39.3	-	3.5	3.8	3.4	3.6	-
Commercial printing, letterpress	2751	39.0	39.0	38.9	38.7	-	3.0	3.0	2.7	3.0	-
Commercial printing, lithographic	2752	39.1	39.7	39.1	39.4	-	3.6	4.1	3.6	3.8	-
Manifold business forms	276	40.9	41.7	41.2	40.4	-	3.3	3.9	3.7	3.1	-
Blankbooks and bookbinding	278	38.6	39.2	39.2	38.0	-	2.7	2.9	3.0	2.6	-
Printing trade services	279	38.4	38.9	38.7	38.5	-	4.4	4.4	3.9	4.0	-
Chemicals and allied products	28	42.3	42.5	42.4	42.3	42.2	4.0	4.1	4.0	4.1	-
Industrial inorganic chemicals	281	42.9	43.0	42.7	42.8	-	4.2	4.2	3.8	4.2	-
Industrial inorganic chemicals, nec	2819	43.3	43.5	42.8	42.8	-	4.1	4.1	3.9	4.1	-
Plastics materials and synthetics	282	43.2	43.3	43.1	43.1	-	4.5	4.5	4.6	5.0	-
Plastics materials and resins	2821	43.8	43.7	43.7	43.5	-	4.8	4.7	4.9	5.2	-
Organic fibers, noncellulosic	2824	42.6	42.8	42.7	43.1	-	3.9	4.1	4.4	4.8	-
Drugs	283	41.4	41.4	41.8	41.5	-	3.2	3.1	3.7	3.6	-
Pharmaceutical preparations	2834	41.3	41.4	41.2	41.0	-	3.3	3.2	3.8	3.6	-
Soap, cleaners, and toilet goods	284	40.4	40.6	40.0	40.1	-	3.3	3.5	2.6	2.8	-
Soap and other detergents	2841	42.8	43.5	42.7	42.9	-	5.1	5.7	4.8	4.9	-
Polishing, sanitation, and finishing preparations	2842,3	41.5	41.2	40.9	40.7	-	3.2	3.2	3.1	3.1	-
Toilet preparations	2844	38.4	38.8	38.0	38.3	-	2.2	2.5	1.1	1.5	-
Paints and allied products	285	41.7	42.2	41.6	41.8	-	3.3	3.9	3.5	3.5	-
Industrial organic chemicals	286	44.1	44.3	44.1	44.3	-	5.1	5.3	5.1	5.4	-
Cyclic crudes and intermediates	2865	42.0	42.2	43.0	43.1	-	4.5	4.7	5.0	4.5	-
Gum, wood, and industrial organic chemicals, nec	2861,9	44.6	44.9	44.4	44.6	-	5.2	5.5	5.1	5.6	-
Agricultural chemicals	287	43.2	43.6	43.6	43.0	-	4.9	5.6	4.8	4.9	-
Miscellaneous chemical products	289	41.7	41.9	42.5	42.1	-	3.5	3.6	3.8	3.7	-
Petroleum and coal products	29	43.3	43.7	43.5	44.1	43.6	4.9	4.9	4.9	5.8	-
Petroleum refining	291	43.7	43.8	43.8	44.6	-	4.9	4.7	4.9	6.1	-
Paving and roofing materials	295	42.7	44.6	43.2	43.0	-	5.5	6.7	5.4	5.6	-
Rubber and misc. plastics products	30	41.4	41.7	41.8	41.5	41.6	4.0	4.1	4.3	4.2	-
Tires and inner tubes	301	45.6	45.8	45.4	44.9	-	6.2	6.2	6.3	5.9	-
Rubber and plastics footwear	302	41.7	39.2	39.8	40.5	-	2.7	1.4	2.4	1.6	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	43.8	43.6	43.9	43.5	-	4.3	4.2	4.4	4.0	-
Fabricated rubber products, nec	306	41.4	41.5	41.5	41.0	-	3.8	3.7	3.7	3.5	-
Miscellaneous plastics products	307	40.8	41.2	41.4	41.1	-	3.8	3.9	4.1	4.1	-
Leather and leather products	31	36.8	37.4	37.9	37.8	37.4	1.7	1.9	1.8	1.8	-
Leather tanning and finishing	311	41.2	41.2	41.5	41.7	-	3.8	4.5	4.8	5.3	-
Footwear, except rubber	314	36.3	36.9	37.6	37.2	-	1.4	1.5	1.4	1.3	-
Men's footwear, except athletic	3143	36.6	37.8	37.0	36.7	-	1.2	1.4	1.1	1.1	-
Women's footwear, except athletic	3144	35.7	35.9	38.2	37.6	-	1.7	1.6	1.8	1.7	-
Luggage	316	39.4	39.5	39.3	39.2	-	2.4	3.1	2.0	1.6	-
Handbags and personal leather goods	317	35.5	36.3	35.0	36.3	-	2.2	2.5	1.5	1.3	-
Transportation and public utilities		38.9	38.6	39.3	38.9	39.0	-	-	-	-	-
Railroad transportation: Class I railroads ³	4011	43.9	43.1	45.4	46.4	-	-	-	-	-	-
Local and interurban passenger transit	41	33.6	33.6	34.0	34.4	-	-	-	-	-	-
Local and suburban transportation	411	38.9	38.2	38.8	38.2	-	-	-	-	-	-
Intercity highway transportation	413	40.6	38.6	39.0	41.6	-	-	-	-	-	-
Trucking and warehousing	42	37.6	37.7	37.6	37.6	-	-	-	-	-	-
Trucking and trucking terminals	421,3	37.5	37.6	37.4	37.6	-	-	-	-	-	-
Public warehousing	422	38.6	38.6	39.0	38.6	-	-	-	-	-	-
Pipe lines, except natural gas	46	42.2	42.2	42.3	41.4	-	-	-	-	-	-

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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ²	Mar. 1989 ²	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ²	Mar. 1989 ²
Nondurable goods—Continued											
Printing and publishing	27	\$10.40	\$10.45	\$10.73	\$10.75	\$10.81	\$393.12	\$399.19	\$404.52	\$405.28	\$410.78
Newspapers	271	10.39	10.37	10.80	10.76	-	344.95	346.36	352.08	351.85	-
Periodicals	272	10.69	10.79	11.39	11.39	-	405.15	408.94	430.54	424.85	-
Books	273	9.43	9.35	9.59	9.51	-	380.97	373.07	370.17	379.45	-
Book publishing	2731	9.07	8.96	9.31	9.17	-	354.64	346.75	353.78	356.71	-
Book printing	2732	9.99	9.95	10.01	10.03	-	424.58	417.90	396.40	417.25	-
Miscellaneous publishing	274	9.70	9.74	10.08	10.10	-	354.05	357.46	368.93	367.64	-
Commercial printing	275	10.66	10.75	10.98	11.05	-	417.87	425.70	430.42	434.27	-
Commercial printing, letterpress	2751	10.27	10.32	10.49	10.60	-	400.53	402.48	408.06	410.22	-
Commercial printing, lithographic	2752	10.80	10.91	11.17	11.26	-	422.28	433.13	436.75	443.64	-
Manifold business forms	276	10.80	10.86	11.14	11.10	-	441.72	452.86	458.97	448.44	-
Blankbooks and bookbinding	278	8.28	8.32	8.47	8.48	-	319.61	326.14	332.02	322.24	-
Printing trade services	279	12.97	12.98	13.32	13.31	-	498.05	504.92	515.48	512.44	-
Chemicals and allied products	28	12.55	12.53	12.86	12.89	12.93	530.87	532.53	545.26	545.25	545.65
Industrial inorganic chemicals	281	13.68	13.68	13.97	14.09	-	586.87	588.24	596.52	603.05	-
Industrial inorganic chemicals, nec	2819	13.68	13.66	13.96	14.08	-	592.34	594.21	597.49	602.62	-
Plastics materials and synthetics	282	12.83	12.81	13.10	13.18	-	554.26	554.67	564.61	568.06	-
Plastics materials and resins	2821	13.66	13.69	14.16	14.26	-	598.31	598.25	618.79	620.31	-
Organic fibers, noncellulosic	2824	12.43	12.29	12.36	12.46	-	529.52	526.01	527.77	537.03	-
Drugs	283	11.93	11.94	12.35	12.39	-	493.90	494.32	516.23	514.19	-
Pharmaceutical preparations	2834	11.56	11.57	12.17	12.28	-	477.43	479.00	501.40	503.48	-
Soap, cleaners, and toilet goods	284	11.12	11.06	11.27	11.19	-	449.25	449.04	450.80	448.72	-
Soap and other detergents	2841	14.53	14.61	14.89	14.91	-	621.88	635.54	635.80	639.64	-
Polishing, sanitation, and finishing preparations	2842,3	10.05	10.17	10.32	10.22	-	417.08	419.00	422.09	415.95	-
Toilet preparations	2844	9.53	9.34	9.45	9.41	-	365.95	362.39	359.10	360.40	-
Paints and allied products	285	11.12	11.20	11.55	11.55	-	463.70	472.64	480.48	482.79	-
Industrial organic chemicals	286	14.86	14.83	15.09	15.25	-	655.33	656.97	665.47	675.58	-
Cyclic crudes and intermediates	2865	14.79	14.80	14.87	14.89	-	621.18	624.56	639.41	641.76	-
Gum, wood, and industrial organic chemicals, nec	2861,9	14.88	14.84	15.15	15.34	-	663.65	666.32	672.66	684.16	-
Agricultural chemicals	287	12.05	12.09	12.59	12.43	-	520.56	527.12	548.92	534.49	-
Miscellaneous chemical products	289	11.42	11.40	11.75	11.75	-	476.21	477.66	499.38	494.68	-
Petroleum and coal products	29	14.96	14.98	15.31	15.55	15.62	647.77	654.63	665.99	685.76	681.03
Petroleum refining	291	16.01	16.09	16.34	16.60	-	699.64	704.74	715.69	740.36	-
Paving and roofing materials	295	11.41	11.52	11.60	11.71	-	487.21	513.79	501.12	503.53	-
Rubber and misc. plastics products	30	9.00	9.00	9.28	9.26	9.28	372.60	375.30	387.90	384.29	386.05
Tires and inner tubes	301	14.30	14.26	14.84	14.88	-	652.08	653.11	673.74	668.11	-
Rubber and plastics footwear	302	6.20	6.19	6.68	6.52	-	258.54	242.65	265.86	264.06	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	9.01	9.04	9.30	9.15	-	394.64	394.14	408.27	398.03	-
Fabricated rubber products, nec	306	8.78	8.76	8.80	8.79	-	363.49	363.54	365.20	360.39	-
Miscellaneous plastics products	307	8.37	8.38	8.64	8.61	-	341.50	345.26	357.70	353.87	-
Leather and leather products	31	6.19	6.23	6.49	6.51	6.53	227.79	233.00	245.97	246.08	244.22
Leather tanning and finishing	311	8.25	8.42	8.59	8.72	-	339.90	346.90	356.49	363.62	-
Footwear, except rubber	314	5.90	5.94	6.22	6.23	-	214.17	219.19	233.87	231.76	-
Men's footwear, except athletic	3143	6.27	6.29	6.64	6.65	-	229.48	237.76	245.68	244.06	-
Women's footwear, except athletic	3144	5.59	5.66	5.90	5.89	-	199.56	203.19	225.38	221.46	-
Luggage	316	6.34	6.34	6.42	6.25	-	249.80	250.43	252.31	245.00	-
Handbags and personal leather goods	317	5.86	5.89	5.90	5.76	-	208.03	213.81	206.50	209.09	-
Transportation and public utilities		12.23	12.19	12.47	12.50	12.48	475.75	470.53	490.07	486.25	486.72
Railroad transportation:											
Class I railroads ³	4011	15.04	14.75	15.30	15.55	-	660.26	635.73	694.62	721.52	-
Local and interurban passenger transit	41	8.41	8.36	8.73	8.74	-	282.58	280.90	296.82	300.66	-
Local and suburban transportation	411	9.09	9.01	9.43	9.32	-	353.60	344.18	365.88	356.02	-
Intercity highway transportation	413	11.39	11.35	11.43	11.75	-	462.43	438.11	445.77	488.80	-
Trucking and warehousing	42	10.89	10.88	11.07	11.14	-	409.46	410.18	416.23	418.86	-
Trucking and trucking terminals	421,3	11.07	11.06	11.24	11.31	-	415.13	415.86	420.38	425.26	-
Public warehousing	422	8.60	8.67	9.09	9.09	-	331.96	334.66	354.51	350.87	-
Pipe lines, except natural gas	46	15.74	15.70	16.09	16.18	-	664.23	662.54	680.61	669.85	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Transportation and public utilities—Continued											
Communication	48	39.8	39.5	39.6	39.1	-	-	-	-	-	-
Telephone communication	481	41.2	40.9	40.9	40.5	-	-	-	-	-	-
Radio and television broadcasting	483	35.8	35.6	36.0	35.2	-	-	-	-	-	-
Electric, gas, and sanitary services	49	41.5	41.0	41.6	41.6	-	-	-	-	-	-
Electric services	491	41.2	41.0	41.7	41.9	-	-	-	-	-	-
Gas production and distribution	492	41.3	40.5	42.0	41.7	-	-	-	-	-	-
Combination utility services	493	42.0	41.2	41.9	42.1	-	-	-	-	-	-
Sanitary services	495	42.9	42.4	40.9	40.1	-	-	-	-	-	-
Wholesale trade		37.9	37.9	37.9	37.7	37.8	-	-	-	-	-
Durable goods	50	38.4	38.4	38.5	38.3	-	-	-	-	-	-
Motor vehicles and automotive equipment	501	38.2	38.0	37.6	37.4	-	-	-	-	-	-
Furniture and home furnishings	502	37.8	37.9	36.9	37.2	-	-	-	-	-	-
Lumber and construction materials	503	38.5	38.9	39.0	38.5	-	-	-	-	-	-
Sporting goods, toys, and hobby goods	504	36.2	36.2	35.6	35.9	-	-	-	-	-	-
Metals and minerals, except petroleum	505	40.4	40.5	40.7	40.1	-	-	-	-	-	-
Electrical goods	506	38.1	37.8	38.3	38.0	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	38.4	38.2	38.6	38.5	-	-	-	-	-	-
Machinery, equipment, and supplies	508	38.7	38.7	39.0	38.8	-	-	-	-	-	-
Miscellaneous durable goods	509	37.7	38.0	38.0	37.9	-	-	-	-	-	-
Nondurable goods	51	37.2	37.2	37.1	36.9	-	-	-	-	-	-
Paper and paper products	511	36.8	36.6	37.1	36.8	-	-	-	-	-	-
Drugs, proprietaries, and sundries	512	36.8	37.2	36.9	36.9	-	-	-	-	-	-
Apparel, piece goods, and notions	513	37.1	37.1	36.7	36.3	-	-	-	-	-	-
Groceries and related products	514	37.5	37.4	37.4	37.4	-	-	-	-	-	-
Chemicals and allied products	516	39.5	39.5	39.8	39.6	-	-	-	-	-	-
Petroleum and petroleum products	517	38.9	38.2	38.7	38.2	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	35.5	35.8	35.6	35.6	-	-	-	-	-	-
Miscellaneous nondurable goods	519	36.7	36.8	36.1	36.0	-	-	-	-	-	-
Retail trade		28.5	28.6	28.4	28.3	28.4	-	-	-	-	-
Building materials and garden supplies	52	35.8	36.0	35.8	35.4	-	-	-	-	-	-
Lumber and other building materials	521	37.4	37.9	37.6	37.3	-	-	-	-	-	-
Hardware stores	525	32.2	32.0	32.1	31.8	-	-	-	-	-	-
General merchandise stores	53	25.7	26.6	26.5	26.4	-	-	-	-	-	-
Department stores	531	25.3	26.2	26.2	26.2	-	-	-	-	-	-
Variety stores	533	27.9	28.5	28.0	27.4	-	-	-	-	-	-
Misc. general merchandise stores	539	28.2	28.6	28.0	27.8	-	-	-	-	-	-
Food stores	54	29.6	29.5	29.3	29.3	-	-	-	-	-	-
Grocery stores	541	29.7	29.6	29.5	29.4	-	-	-	-	-	-
Retail bakeries	546	28.4	28.0	28.1	28.6	-	-	-	-	-	-
Automotive dealers and service stations	55	36.5	36.3	36.0	35.9	-	-	-	-	-	-
New and used car dealers	551,2	37.4	37.3	36.8	36.7	-	-	-	-	-	-
Auto and home supply stores	553	38.4	38.0	38.0	37.8	-	-	-	-	-	-
Gasoline service stations	554	34.1	33.9	33.9	33.8	-	-	-	-	-	-
Apparel and accessory stores	56	25.8	26.3	26.0	26.0	-	-	-	-	-	-
Men's and boys' clothing and furnishings	561	28.5	28.2	28.2	28.2	-	-	-	-	-	-
Women's ready-to-wear stores	562	24.1	24.8	23.8	23.7	-	-	-	-	-	-
Family clothing stores	565	25.8	26.2	25.5	25.4	-	-	-	-	-	-
Shoe stores	566	26.9	27.5	28.3	28.2	-	-	-	-	-	-
Furniture and home furnishings stores	57	32.7	32.6	32.7	32.3	-	-	-	-	-	-
Furniture and home furnishings stores	571	33.0	33.2	33.2	33.1	-	-	-	-	-	-
Household appliance stores	572	33.4	33.1	34.1	33.5	-	-	-	-	-	-
Radio, television, and music stores	573	32.0	31.5	31.5	30.8	-	-	-	-	-	-
Eating and drinking places ⁴	58	25.2	25.3	25.1	24.8	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Transportation and public utilities—Continued											
Communication	48	\$12.61	\$12.61	\$12.94	\$12.92	-	\$501.88	\$498.10	\$512.42	\$505.17	
Telephone communication	481	13.33	13.31	13.68	13.69	-	549.20	544.38	559.51	554.45	
Radio and television broadcasting	483	11.20	11.26	11.99	11.70		400.96	400.86	431.64	411.84	
Electric, gas, and sanitary services	49	14.05	14.20	14.68	14.72	-	583.08	582.20	610.69	612.35	
Electric services	491	14.15	14.28	14.71	14.81		582.98	585.48	613.41	620.54	
Gas production and distribution	492	13.10	13.20	13.73	13.61		541.03	534.60	576.66	567.54	
Combination utility services	493	16.58	16.91	17.40	17.37		696.36	696.69	729.06	731.28	
Sanitary services	495	10.55	10.61	11.28	11.27		452.60	449.86	461.35	451.93	
Wholesale trade		9.78	9.78	10.21	10.21	\$10.21	370.66	370.66	386.96	384.92	\$385.94
Durable goods	50	9.96	9.97	10.44	10.43		382.46	382.85	401.94	399.47	
Motor vehicles and automotive equipment	501	9.00	9.04	9.43	9.45		343.80	343.52	354.57	353.43	
Furniture and home furnishings	502	9.03	9.07	9.63	9.67		341.33	343.75	355.35	359.72	
Lumber and construction materials	503	9.36	9.43	9.89	9.86		360.36	366.83	385.71	379.61	
Sporting goods, toys, and hobby goods	504	9.75	9.57	9.23	9.09		352.95	346.43	328.59	326.33	
Metals and minerals, except petroleum	505	10.59	10.59	10.88	10.84		427.84	428.90	442.82	434.68	
Electrical goods	506	10.34	10.29	10.97	10.91		393.95	388.96	420.15	414.58	
Hardware, plumbing, and heating equipment	507	9.33	9.37	9.78	9.81		358.27	357.93	377.51	377.69	
Machinery, equipment, and supplies	508	10.64	10.67	11.16	11.16		411.77	412.93	435.24	433.01	
Miscellaneous durable goods	509	7.97	7.91	8.33	8.31		300.47	300.58	316.54	314.95	
Nondurable goods	51	9.52	9.50	9.85	9.85		354.14	353.40	365.44	363.47	
Paper and paper products	511	10.20	10.26	10.85	10.84		375.36	375.52	402.54	398.91	
Drugs, proprietaries, and sundries	512	11.02	10.90	11.24	11.36	-	405.54	405.48	414.76	419.18	
Apparel, piece goods, and notions	513	9.34	9.33	9.79	9.84		346.51	346.14	359.29	357.19	
Groceries and related products	514	9.66	9.69	10.02	9.98		362.25	362.41	374.75	373.25	
Chemicals and allied products	516	12.20	12.19	12.35	12.42		481.90	481.51	491.53	491.83	
Petroleum and petroleum products	517	9.64	9.53	9.84	9.79		375.00	364.05	380.81	373.98	
Beer, wine, and distilled beverages	518	10.79	10.92	11.25	11.17	-	383.05	390.94	400.50	397.65	
Miscellaneous nondurable goods	519	7.87	7.79	8.03	8.10	-	288.83	286.67	289.88	291.60	
Retail trade		6.23	6.24	6.47	6.46	6.46	177.56	178.46	183.75	182.82	183.46
Building materials and garden supplies	52	7.26	7.23	7.60	7.61		259.91	260.28	272.08	269.39	
Lumber and other building materials	521	7.64	7.61	8.01	8.05		285.74	288.42	301.18	300.27	
Hardware stores	525	6.16	6.19	6.32	6.34		198.35	198.08	202.87	201.61	
General merchandise stores	53	6.53	6.48	6.72	6.70		167.82	172.37	178.08	176.88	
Department stores	531	6.83	6.77	6.99	6.97	-	172.80	177.37	183.14	182.61	
Variety stores	533	4.95	4.91	5.33	5.32		138.11	139.94	149.24	145.77	
Misc. general merchandise stores	539	5.27	5.32	5.55	5.57		148.61	152.15	155.40	154.85	
Food stores	54	6.98	7.00	7.11	7.13		206.61	206.50	208.32	208.91	
Grocery stores	541	7.10	7.12	7.20	7.23		210.87	210.75	212.40	212.56	
Retail bakeries	546	5.88	5.91	6.08	6.08		166.99	165.48	170.85	173.89	
Automotive dealers and service stations	55	7.93	8.06	8.28	8.26		289.45	292.58	298.08	296.53	
New and used car dealers	551,2	9.56	9.78	9.99	9.98		357.54	364.79	367.63	366.27	
Auto and home supply stores	553	6.87	6.94	7.31	7.25		263.81	263.72	277.78	274.05	
Gasoline service stations	554	5.70	5.69	5.87	5.87		194.37	192.89	198.99	198.41	
Apparel and accessory stores	56	5.68	5.70	5.96	5.91		146.54	149.91	154.96	153.66	
Men's and boys' clothing and furnishings	561	6.81	6.78	7.41	7.33		194.09	191.20	208.96	206.71	
Women's ready-to-wear stores	562	5.33	5.38	5.67	5.66		128.45	133.42	134.95	134.14	
Family clothing stores	565	5.49	5.48	5.87	5.78		141.64	143.58	149.69	146.81	
Shoe stores	566	5.84	5.90	5.90	5.84		157.10	162.25	166.97	164.69	
Furniture and home furnishings stores	57	7.62	7.67	8.10	8.06		249.17	250.04	264.87	260.34	-
Furniture and home furnishings stores	571	7.78	7.82	8.16	8.08		256.74	259.62	270.91	267.45	
Household appliance stores	572	7.51	7.51	8.13	8.16		250.83	248.58	277.23	273.36	
Radio, television, and music stores	573	7.39	7.45	8.01	7.98		236.48	234.68	252.32	245.78	
Eating and drinking places ¹	58	4.51	4.50	4.68	4.69		113.65	113.85	117.47	116.31	

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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Retail trade—Continued											
Miscellaneous retail	59	30.0	29.5	29.4	29.7	-	-	-	-	-	-
Drug stores and proprietary stores	591	27.7	27.4	26.9	26.8	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	28.0	28.0	28.1	27.9	-	-	-	-	-	-
Nonstore retailers	596	31.8	32.0	31.9	32.0	-	-	-	-	-	-
Fuel and ice dealers	598	39.6	38.1	39.8	39.1	-	-	-	-	-	-
Retail stores, nec	599	33.1	31.1	30.9	32.8	-	-	-	-	-	-
Finance, insurance, and real estate⁵											
Banking	60	36.1	35.4	36.0	35.6	-	-	-	-	-	-
Commercial and stock savings banks	602	36.0	35.4	36.0	35.6	-	-	-	-	-	-
Credit agencies other than banks	61	36.7	36.1	36.6	36.5	-	-	-	-	-	-
Savings and loan associations	612	36.0	35.5	36.0	35.6	-	-	-	-	-	-
Personal credit institutions	614	36.8	36.3	36.1	36.0	-	-	-	-	-	-
Insurance carriers	63	37.7	37.2	37.2	37.1	-	-	-	-	-	-
Life insurance	631	37.3	36.8	37.0	37.0	-	-	-	-	-	-
Medical service and health insurance	632	38.7	38.1	37.9	37.8	-	-	-	-	-	-
Fire, marine, and casualty insurance	633	37.4	37.1	37.0	36.8	-	-	-	-	-	-
Services											
Hotels and other lodging places:											
Hotels, motels, and tourist courts ⁴	701	31.4	30.6	30.5	30.4	-	-	-	-	-	-
Personal services:											
Laundry, cleaning, and garment services	721	33.7	33.9	33.7	33.5	-	-	-	-	-	-
Beauty shops ⁴	723	29.4	29.6	29.8	29.6	-	-	-	-	-	-
Business services	73	33.6	33.5	33.7	33.5	-	-	-	-	-	-
Advertising	731	37.3	36.3	37.5	36.5	-	-	-	-	-	-
Services to buildings	734	29.0	29.0	29.6	29.5	-	-	-	-	-	-
Computer and data processing services	737	37.9	37.5	38.1	37.9	-	-	-	-	-	-
Auto repair, services, and garages	75	36.6	36.1	36.6	36.5	-	-	-	-	-	-
Automotive repair shops	753	38.0	37.8	37.9	37.8	-	-	-	-	-	-
Miscellaneous repair services	76	37.6	37.8	37.6	37.4	-	-	-	-	-	-
Motion pictures	78	30.2	29.2	29.1	29.2	-	-	-	-	-	-
Motion picture production and services	781	39.0	38.1	36.8	36.5	-	-	-	-	-	-
Amusement and recreation services	79	28.0	27.5	27.7	27.8	-	-	-	-	-	-
Health services	80	32.5	32.2	32.6	32.2	-	-	-	-	-	-
Offices of physicians	801	31.4	31.0	31.6	31.2	-	-	-	-	-	-
Offices of dentists	802	28.5	28.4	28.8	28.3	-	-	-	-	-	-
Nursing and personal care facilities	805	31.6	31.0	32.2	31.3	-	-	-	-	-	-
Hospitals	806	34.1	33.9	34.0	33.8	-	-	-	-	-	-
Legal services	81	35.1	34.3	34.9	34.5	-	-	-	-	-	-
Miscellaneous services	89	39.2	39.0	38.1	38.6	-	-	-	-	-	-
Engineering and architectural services	891	39.3	39.3	38.9	39.1	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	893	40.0	39.6	37.1	38.6	-	-	-	-	-	-

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				
		Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Retail trade—Continued											
Miscellaneous retail	59	\$6.50	\$6.51	\$6.76	\$6.77	-	\$195.00	\$192.05	\$198.74	\$201.07	
Drug stores and proprietary stores	591	6.10	6.12	6.39	6.42		168.97	167.69	171.89	172.06	
Miscellaneous shopping goods stores	594	6.09	6.13	6.35	6.37		170.52	171.64	178.44	177.72	
Nonstore retailers	596	7.29	7.30	7.50	7.55		231.82	233.60	239.25	241.60	
Fuel and ice dealers	598	9.40	9.18	9.58	9.56		372.24	349.76	381.28	373.80	
Retail stores, nec	599	6.48	6.55	6.89	6.77		214.49	203.71	212.90	222.06	
Finance, insurance, and real estate⁵		9.02	8.97	9.46	9.46	\$9.47	328.33	321.13	341.51	338.67	\$339.03
Banking	60	7.78	7.75	8.13	8.18		280.86	274.35	292.68	291.21	
Commercial and stock savings banks	602	7.52	7.46	7.83	7.87		270.72	264.08	281.88	280.17	
Credit agencies other than banks	61	8.09	8.05	8.61	8.50		296.90	290.61	315.13	310.25	
Savings and loan associations	612	7.65	7.57	8.13	8.01		275.40	268.74	292.68	285.16	
Personal credit institutions	614	7.62	7.64	8.11	8.05		280.42	277.33	292.77	289.80	
Insurance carriers	63	10.01	10.01	10.50	10.48	-	377.38	372.37	390.60	388.81	
Life insurance	631	9.47	9.49	9.87	9.85	-	353.23	349.23	365.19	364.45	
Medical service and health insurance	632	9.68	9.71	10.17	10.24		374.62	369.95	385.44	387.07	
Fire, marine, and casualty insurance	633	10.53	10.49	11.09	11.17		393.82	389.18	410.33	411.06	
Services		8.81	8.80	9.24	9.25	9.27	287.21	284.24	301.22	299.70	299.42
Hotels and other lodging places:											
Hotels, motels, and tourist courts ⁴	701	6.42	6.38	6.61	6.56		201.59	195.23	201.61	199.42	
Personal services:											
Laundry, cleaning, and garment services	721	6.27	6.28	6.46	6.48		211.30	212.89	217.70	217.08	
Beauty shops ⁴	723	6.43	6.70	6.65	6.64		189.04	198.32	198.17	196.54	
Business services	73	9.07	9.03	9.45	9.50		304.75	302.51	318.47	318.25	
Advertising	731	12.24	12.18	12.84	12.84		456.55	442.13	481.50	468.66	
Services to buildings	734	6.63	6.65	6.92	6.92		192.27	192.85	204.83	204.14	
Computer and data processing services	737	12.57	12.42	13.31	13.45		476.40	465.75	507.11	509.76	
Auto repair, services, and garages	75	8.03	8.04	8.31	8.36		293.90	290.24	304.15	305.14	
Automotive repair shops	753	8.67	8.72	9.05	9.11		329.46	329.62	343.00	344.36	
Miscellaneous repair services	76	9.39	9.42	9.69	9.73		354.00	356.08	364.34	363.90	
Motion pictures	78	12.22	12.55	12.39	12.33		369.04	366.46	360.55	360.04	
Motion picture production and services	781	16.24	16.75	16.04	15.69		633.36	638.18	590.27	572.69	
Amusement and recreation services	79	7.64	7.66	7.99	8.13		213.92	210.65	221.32	226.01	
Health services	80	9.03	9.05	9.58	9.62		293.48	291.41	312.31	309.76	
Offices of physicians	801	8.68	8.68	9.12	9.14		272.55	269.08	288.19	285.17	
Offices of dentists	802	8.76	8.80	9.24	9.29		249.66	249.92	266.11	262.91	
Nursing and personal care facilities	805	6.20	6.20	6.60	6.62		195.92	192.20	212.52	207.21	
Hospitals	806	10.24	10.27	10.93	10.96		349.18	348.15	371.62	370.45	
Legal services	81	12.44	12.36	13.28	13.22		436.64	423.95	463.47	456.09	
Miscellaneous services	89	12.22	12.18	12.96	12.87		479.02	475.02	493.78	496.78	
Engineering and architectural services	891	13.26	13.23	13.79	13.82		521.12	519.94	536.43	540.36	
Accounting, auditing, and bookkeeping	893	10.32	10.26	11.14	10.93		412.80	406.30	413.29	421.90	

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

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

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

⁴ Money payments only; tips, not included.

⁵ 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 1987 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1987 forward are subject to revision.

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

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

Because of special circumstances in the aerospace industry, BLS has calculated average hourly earnings series for SIC 3721 and SIC 3761 which include lump-sum payments. These series, beginning in October 1983, the effective date of the first aerospace bargain-

ing agreement using lump-sum payments, were published in the June 1988 issue of *Employment and Earnings*. Current and year earlier data are presented in table C-2a along with the average hourly earnings series produced as part of the Current Employment Statistics program. An explanation of the methodology used to derive these series appears in the Explanatory Notes of this publication.

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 is conducting 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 (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing

Series	Aircraft (SIC 3721)				Guided missiles and space vehicles (SIC 3761)			
	Jan. 1988	Feb. 1988	Jan. 1989	Feb. 1989 ^p	Jan. 1988	Feb. 1988	Jan. 1989	Feb. 1989 ^p
Average hourly earnings, excluding lump-sum payments	\$13.96	\$13.98	\$14.70	\$14.73	\$13.28	\$13.32	\$13.96	\$13.99
Average hourly earnings, including lump-sum payments	14.39	14.44	15.14	15.16	13.56	13.62	14.36	14.39

^p = preliminary.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Manufacturing	\$9.63	\$9.64	\$9.91	\$9.91	\$9.94
Durable goods	10.13	10.13	10.39	10.40	10.42
Lumber and wood products	8.20	8.12	8.36	8.32	(2)
Furniture and fixtures	7.51	7.53	7.83	7.81	(2)
Stone, clay, and glass products	9.79	9.80	10.06	10.09	(2)
Primary metal industries	11.35	11.39	11.55	11.55	(2)
Fabricated metal products	9.68	9.69	9.95	9.97	(2)
Machinery, except electrical	10.30	10.32	10.61	10.62	(2)
Electrical and electronic equipment	9.67	9.68	9.88	9.88	(2)
Transportation equipment	12.55	12.57	12.88	12.89	(2)
Instruments and related products	9.57	9.52	9.74	9.77	(2)
Miscellaneous manufacturing	7.68	7.68	7.97	7.96	(2)
Nondurable goods	8.93	8.95	9.21	9.21	\$9.24
Food and kindred products	8.68	8.69	8.85	8.86	(2)
Tobacco manufactures	13.58	14.03	13.95	14.31	(2)
Textile mill products	6.97	6.99	7.25	7.25	(2)
Apparel and other textile products	5.88	5.89	6.15	6.13	(2)
Paper and allied products	10.90	10.92	11.12	11.16	(2)
Printing and publishing	10.01	10.03	10.35	10.36	(2)
Chemicals and allied products	11.99	11.95	12.28	12.29	(2)
Petroleum and coal products	14.17	14.19	14.50	14.59	(2)
Rubber and misc. plastics products	8.59	8.58	8.83	8.82	(2)
Leather and leather products	6.05	6.07	6.34	6.35	(2)

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 1987 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1987 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				
	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p	Feb. 1988	Mar. 1988	Jan. 1989	Feb. 1989 ^p	Mar. 1989 ^p
Total private:										
Current dollars	\$9.17	\$9.18	\$9.54	\$9.54	\$9.56	\$316.37	\$315.79	\$329.13	\$327.22	\$328.86
Constant (1977) dollars	4.87	4.86	4.85	4.83	(²)	168.01	167.08	167.41	165.76	(²)
Mining:										
Current dollars	12.71	12.59	13.14	13.18	\$13.10	531.28	527.52	553.19	552.24	\$550.20
Constant (1977) dollars	6.75	6.66	6.68	6.68	(²)	282.15	279.11	281.38	279.76	(²)
Construction:										
Current dollars	12.82	12.87	13.22	13.17	\$13.26	462.80	481.34	481.21	475.44	\$495.92
Constant (1977) dollars	6.81	6.81	6.72	6.67	(²)	245.78	254.68	244.77	240.85	(²)
Manufacturing:										
Current dollars	10.05	10.07	10.37	10.37	\$10.40	409.04	411.86	425.17	423.10	\$425.36
Constant (1977) dollars	5.34	5.33	5.27	5.25	(²)	217.23	217.92	216.26	214.34	(²)
Transportation and public utilities:										
Current dollars	12.23	12.19	12.47	12.50	\$12.48	475.75	470.53	490.07	486.25	\$486.72
Constant (1977) dollars	6.49	6.45	6.34	6.33	(²)	252.66	248.96	249.27	246.33	(²)
Wholesale trade:										
Current dollars	9.78	9.78	10.21	10.21	\$10.21	370.66	370.66	386.96	384.92	\$385.94
Constant (1977) dollars	5.19	5.17	5.19	5.17	(²)	196.85	196.12	196.83	194.99	(²)
Retail trade:										
Current dollars	6.23	6.24	6.47	6.46	\$6.46	177.56	178.46	183.75	182.82	\$183.46
Constant (1977) dollars	3.31	3.30	3.29	3.27	(²)	94.30	94.42	93.46	92.61	(²)
Finance, insurance, and real estate:										
Current dollars	9.02	8.97	9.46	9.46	\$9.47	328.33	321.13	341.51	338.67	\$339.03
Constant (1977) dollars	4.79	4.75	4.81	4.79	(²)	174.37	169.91	173.71	171.57	(²)
Services:										
Current dollars	8.81	8.80	9.24	9.25	\$9.27	287.21	284.24	301.22	299.70	\$299.42
Constant (1977) dollars	4.68	4.66	4.70	4.69	(²)	152.53	150.39	153.21	151.82	(²)

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

² Not available.
^p = preliminary.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate the earnings series. Establishment survey estimates are currently projected from March 1987 benchmark levels. When more recent benchmark data are introduced all unadjusted data from April 1987 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	1988										1989		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^p	Mar. ^p
Total private	34.6	34.9	34.7	34.7	34.9	34.6	34.7	34.9	34.8	34.7	34.8	34.6	34.6
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	40.9	41.2	41.0	41.1	41.1	41.0	41.2	41.2	41.2	40.8	41.1	41.1	40.9
<i>Overtime hours</i>	3.7	3.9	3.9	3.9	3.9	3.9	3.9	4.0	3.9	3.9	3.9	3.9	3.9
Durable goods	41.5	42.0	41.8	41.8	41.8	41.6	41.9	41.9	41.9	41.5	41.8	41.7	41.6
<i>Overtime hours</i>	3.8	4.2	4.2	4.1	4.0	4.1	4.0	4.2	4.2	4.1	4.1	4.1	4.0
Lumber and wood products	40.1	40.6	40.1	40.2	40.5	40.0	39.9	40.7	40.3	40.3	40.3	39.5	39.9
Furniture and fixtures	39.3	39.5	39.5	39.4	39.7	39.0	39.6	39.4	39.4	39.2	40.1	39.9	40.2
Stone, clay, and glass products	42.3	42.5	42.3	42.4	42.1	42.1	42.3	42.5	42.6	42.4	42.6	42.1	42.3
Primary metal industries	43.3	43.5	43.6	43.6	43.4	43.5	44.0	43.8	43.7	43.4	43.6	43.3	43.5
Blast furnaces and basic steel products ..	43.7	43.8	43.9	44.3	44.0	44.0	44.6	44.3	44.0	43.7	44.0	43.7	44.1
Fabricated metal products	41.6	42.0	41.9	42.0	41.7	41.8	42.0	41.9	42.2	41.7	41.9	41.8	41.6
Machinery, except electrical	42.5	42.8	42.6	42.5	43.0	42.4	42.7	42.6	42.5	42.3	42.5	42.5	42.3
Electrical and electronic equipment	40.9	41.2	41.0	41.1	41.0	40.8	41.0	41.0	41.0	40.7	40.8	40.9	40.6
Transportation equipment	42.1	43.0	43.0	43.0	42.6	42.7	43.3	43.3	43.3	42.4	42.6	43.0	42.8
Motor vehicles and equipment	42.3	44.1	44.0	44.2	42.5	43.6	44.5	44.2	44.6	43.0	43.3	43.7	43.6
Instruments and related products	41.4	41.8	41.4	41.3	41.8	41.5	41.6	41.9	41.6	41.0	41.6	41.5	40.9
Miscellaneous manufacturing	39.2	39.4	39.2	39.3	39.2	39.2	39.2	39.1	39.2	38.9	39.4	39.6	39.3
Nondurable goods	40.1	40.3	40.0	40.1	40.2	40.1	40.2	40.2	40.2	39.9	40.1	40.2	40.0
<i>Overtime hours</i>	3.6	3.6	3.6	3.6	3.7	3.6	3.7	3.8	3.6	3.6	3.6	3.7	3.7
Food and kindred products	40.1	40.1	40.1	40.3	40.5	40.4	40.3	40.6	40.6	40.3	40.1	40.3	40.3
Tobacco manufactures	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Textile mill products	41.2	41.6	40.8	40.7	41.1	41.1	41.1	41.0	41.0	40.5	40.9	40.7	41.0
Apparel and other textile products	37.0	37.4	36.8	36.9	36.9	36.8	37.1	36.8	37.0	36.6	37.0	37.2	36.8
Paper and allied products	43.2	43.3	43.3	43.2	43.2	43.2	43.3	43.2	43.1	43.1	43.1	43.2	43.1
Printing and publishing	38.1	38.2	37.7	38.0	38.0	38.0	38.1	38.0	37.8	37.7	38.0	38.0	38.0
Chemicals and allied products	42.5	42.1	42.0	42.4	42.3	42.1	42.1	42.5	42.4	42.3	42.4	42.4	42.2
Petroleum and coal products	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Rubber and misc. plastics products	41.7	42.0	41.7	41.6	41.6	41.5	41.6	41.5	41.7	41.2	41.7	41.7	41.6
Leather and leather products	37.9	37.3	37.3	36.9	37.0	37.6	37.5	37.9	37.3	37.7	38.3	38.8	37.9
Transportation and public utilities	38.8	39.5	39.4	39.3	39.5	39.3	39.4	39.4	39.2	39.4	39.7	39.1	39.2
Wholesale trade	38.1	38.3	38.0	37.9	38.2	37.8	38.1	38.1	38.0	38.0	38.1	38.0	38.0
Retail trade	29.0	29.2	29.0	29.1	29.3	29.0	28.9	29.2	29.0	29.2	29.1	28.9	28.8
Finance, insurance, and real estate	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Services	32.4	32.7	32.5	32.5	32.7	32.4	32.6	32.8	32.6	32.6	32.8	32.5	32.4

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

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

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

NOTE: Establishment survey estimates are currently projected from March 1987 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1984 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	1988										1989		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^P	Mar. ^P
Total private	123.6	125.1	124.4	125.4	126.4	125.5	126.0	127.1	127.1	127.2	128.3	127.8	127.9
Goods-producing	101.6	102.7	102.1	103.2	103.3	102.8	103.1	104.0	104.5	103.5	104.4	104.2	104.2
Mining	83.2	85.9	84.4	85.0	85.6	83.5	82.8	83.5	80.9	81.2	80.4	81.2	82.2
Construction	139.1	141.1	139.3	144.0	142.4	142.5	143.4	145.3	147.5	144.6	146.3	145.4	145.6
Manufacturing	95.2	96.1	95.7	96.1	96.5	96.0	96.3	96.9	97.2	96.6	97.4	97.3	97.3
Durable goods	92.7	94.0	93.9	94.3	94.8	94.2	94.6	95.2	95.6	94.8	95.7	95.3	95.2
Lumber and wood products	103.1	104.7	103.2	103.8	103.9	102.3	101.7	104.8	104.7	105.2	106.0	102.8	103.8
Furniture and fixtures	112.3	113.2	113.7	113.4	115.1	112.0	114.2	114.2	114.5	113.9	116.2	116.2	117.6
Stone, clay, and glass products	87.5	88.3	87.5	88.1	88.0	87.5	87.5	88.3	88.9	88.9	89.5	88.2	88.5
Primary metal industries	66.9	67.6	68.1	68.6	69.0	68.7	69.7	70.1	70.0	69.6	69.8	69.3	69.5
Blast furnaces and basic steel products	54.1	54.8	54.6	55.4	55.3	54.8	55.0	55.1	54.8	54.1	54.8	54.4	54.6
Fabricated metal products	90.8	91.8	92.1	92.8	92.7	92.6	93.1	93.6	94.6	93.7	94.7	94.4	93.9
Machinery, except electrical	90.4	91.5	91.6	91.6	93.7	92.6	93.2	93.7	94.3	94.3	95.1	95.7	95.4
Electrical and electronic equipment	101.9	102.8	102.3	103.0	103.1	102.8	103.1	103.4	103.7	102.3	102.2	102.0	101.4
Transportation equipment	96.8	100.0	100.2	100.0	99.7	99.9	100.2	100.7	100.8	98.7	99.9	99.8	99.7
Motor vehicles and equipment	84.8	89.8	89.9	90.3	88.2	90.9	91.4	91.9	92.6	89.0	91.0	90.1	89.6
Instruments and related products	105.2	106.5	106.1	106.6	108.2	107.7	107.9	109.5	109.0	108.3	109.6	109.3	108.3
Miscellaneous manufacturing	84.5	85.0	83.9	84.5	85.1	84.2	84.2	83.1	83.6	83.6	85.3	86.0	85.4
Nondurable goods	98.8	99.1	98.4	98.9	99.1	98.7	98.7	99.4	99.7	99.2	99.9	100.3	100.3
Food and kindred products	100.9	101.0	100.5	101.4	100.6	100.2	100.1	102.7	103.3	102.1	102.3	102.9	103.2
Tobacco manufactures	74.8	73.8	71.0	71.4	73.7	72.0	69.1	69.7	72.7	73.2	67.8	70.5	67.5
Textile mill products	81.7	82.2	80.6	80.2	81.2	79.9	80.4	80.2	80.2	79.1	80.6	80.0	80.6
Apparel and other textile products	85.7	86.2	84.7	84.8	84.7	83.9	84.5	83.9	84.9	84.2	85.4	86.2	85.8
Paper and allied products	101.3	101.4	101.5	101.7	101.9	101.9	101.4	101.3	101.3	101.3	101.1	101.1	101.3
Printing and publishing	136.0	136.5	134.9	136.4	136.6	137.0	137.5	137.6	137.2	137.5	138.7	138.7	139.4
Chemicals and allied products	97.9	97.1	97.4	98.8	98.7	98.7	98.4	99.7	99.4	99.5	100.3	100.4	100.3
Petroleum and coal products	83.5	84.9	85.3	86.8	86.6	86.6	86.1	87.3	86.3	86.7	84.1	86.1	84.1
Rubber and misc. plastics products	121.8	122.9	123.1	123.4	124.8	124.2	123.9	124.7	126.0	125.1	126.2	126.9	127.2
Leather and leather products	56.9	55.5	55.5	54.9	55.5	56.0	55.8	56.4	55.1	55.6	57.0	58.2	57.3
Service-producing	135.8	137.4	136.8	137.8	139.1	138.1	138.7	139.9	139.6	140.4	141.5	140.8	141.0
Transportation and public utilities	111.2	113.5	113.5	113.8	114.7	114.5	114.6	115.0	115.2	116.2	117.4	116.0	116.0
Wholesale trade	123.6	124.8	124.4	124.9	126.3	125.4	126.9	127.4	127.7	128.1	129.1	129.3	129.9
Retail trade	124.8	126.0	125.1	126.2	127.3	126.2	125.7	127.2	126.7	127.8	128.2	127.7	127.8
Finance, insurance, and real estate	139.6	141.1	140.1	140.1	142.1	140.0	140.6	141.2	140.4	140.0	142.1	140.7	140.9
Services	157.2	159.0	158.3	160.0	161.5	160.7	162.0	163.5	163.2	164.1	165.6	164.9	165.1

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

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1987 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1984 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
SEASONALLY ADJUSTED**

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

Industry	1988										1989		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^p	Mar. ^p
Average hourly earnings													
Total private (in current dollars)	\$9.16	\$9.23	\$9.27	\$9.27	\$9.32	\$9.32	\$9.37	\$9.43	\$9.42	\$9.45	\$9.49	\$9.50	\$9.54
Mining	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Construction	\$12.90	\$12.93	\$12.91	\$12.93	\$13.03	\$12.99	\$13.04	\$13.03	\$13.01	\$13.09	\$13.14	\$13.18	\$13.29
Manufacturing	10.05	10.11	10.15	10.18	10.17	10.20	10.26	10.28	10.29	10.31	10.32	10.35	10.38
Excluding overtime³	9.61	9.65	9.69	9.72	9.71	9.74	9.78	9.81	9.83	9.84	9.86	9.87	9.91
Transportation and public utilities	12.21	12.29	12.35	12.33	12.37	12.39	12.37	12.43	12.37	12.36	12.46	12.45	12.51
Wholesale trade	9.76	9.88	9.88	9.86	9.97	9.93	10.01	10.13	10.04	10.08	10.18	10.15	10.19
Retail trade	6.22	6.25	6.28	6.29	6.33	6.32	6.34	6.37	6.42	6.42	6.43	6.43	6.44
Finance, insurance, and real estate	8.90	8.99	9.08	9.00	9.10	9.09	9.18	9.36	9.26	9.37	9.41	9.34	9.39
Services	8.75	8.81	8.88	8.86	8.92	8.93	8.99	9.06	9.04	9.09	9.14	9.16	9.21
Total private (in constant dollars) ⁴	4.83	4.85	4.85	4.84	4.84	4.82	4.83	4.84	4.82	4.82	4.81	4.80	(⁵)
Average weekly earnings													
Total private:													
In current dollars	316.94	322.13	321.67	321.67	325.27	322.47	325.14	329.11	327.82	327.92	330.25	328.70	330.08
In constant (1977) dollars ⁴	167.25	169.36	168.41	167.89	169.06	166.82	167.68	169.03	167.77	167.39	167.55	166.09	(⁵)

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

² This series is not published seasonally adjusted because the seasonal components are small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

³ Derived by assuming that overtime hours are paid at the rate of time and one-half.

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 1987 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1984 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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^p	Feb. 1988	Jan. 1989	Feb. 1989 ^p	Feb. 1988	Jan. 1989	Feb. 1989 ^p
Alabama	40.9	41.2	40.7	\$8.99	\$9.17	\$9.15	\$367.69	\$377.80	\$372.40
Birmingham	41.5	41.9	40.5	9.09	9.31	9.37	377.24	390.09	379.49
Mobile	41.1	42.0	41.3	10.56	10.61	10.62	434.02	445.62	438.61
Alaska	38.7	40.7	50.6	12.35	12.41	11.33	477.95	505.09	573.30
Arizona	40.9	40.9	41.1	9.74	9.84	9.88	398.37	402.46	406.07
Arkansas	40.6	40.6	40.5	7.99	8.18	8.17	324.39	332.11	330.89
Fayetteville-Springdale	41.2	39.5	41.5	7.11	7.38	7.41	292.93	291.51	307.52
Fort Smith	41.4	40.7	40.8	8.60	8.73	8.79	356.04	355.31	358.63
Little Rock-North Little Rock	40.4	41.3	40.4	8.55	8.58	8.65	345.42	354.35	349.46
Pine Bluff	42.5	42.3	41.6	10.59	10.41	10.49	450.08	440.34	436.38
California	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Colorado	39.6	38.9	38.7	10.17	10.51	10.57	402.73	408.84	409.06
Denver	39.2	39.4	39.5	10.55	11.13	11.16	413.56	438.52	440.82
Connecticut	41.5	42.1	41.7	10.70	11.00	11.03	444.05	463.10	459.95
Bridgeport-Milford	42.4	41.7	41.8	11.22	11.33	11.60	475.73	472.46	484.88
Hartford	42.6	42.4	42.2	10.99	11.65	11.69	468.17	493.96	493.32
New Britain	43.1	43.4	42.8	11.08	11.52	11.33	477.55	499.97	484.92
New Haven-Meriden	40.3	42.2	41.4	10.16	10.48	10.56	409.45	442.26	437.18
Stamford	40.2	40.3	40.7	11.80	12.45	12.46	474.36	501.74	507.12
Waterbury	42.7	45.0	43.8	9.51	9.98	10.11	406.08	449.10	442.82
Delaware	40.1	40.1	40.3	10.59	10.69	10.39	424.66	428.67	418.72
Wilmington	40.7	41.9	40.9	12.94	12.53	12.96	526.66	525.01	530.06
District of Columbia:									
Washington MSA	39.4	39.8	39.6	10.76	11.58	11.61	423.94	460.88	459.76
Florida	40.7	40.8	40.8	8.24	8.63	8.61	335.37	352.10	351.29
Fort Lauderdale-Hollywood-Pompano Beach	41.7	41.4	41.8	8.25	8.61	8.57	344.03	356.45	358.23
Jacksonville	41.2	40.1	40.7	8.96	9.28	9.24	369.15	372.13	376.07
Miami-Hialeah	39.5	39.3	40.2	7.08	7.45	7.43	279.66	292.79	298.69
Orlando	41.3	39.9	40.5	8.55	9.43	9.37	353.12	376.26	379.49
Pensacola	39.9	40.8	42.3	10.84	11.05	11.29	432.52	450.84	477.57
Tampa-St. Petersburg-Clearwater	40.3	40.6	40.6	7.84	8.55	8.56	315.95	347.13	347.54
West Palm Beach-Boca Raton-Delray Beach	42.5	43.2	41.4	9.38	9.34	9.42	398.65	403.49	389.99
Georgia	41.5	40.7	40.3	8.55	8.74	8.72	354.83	355.72	351.42
Atlanta	42.0	39.7	39.7	10.09	10.17	10.08	423.78	403.75	400.18
Savannah	47.9	47.6	48.3	11.26	11.44	11.58	539.35	544.54	559.31
Hawaii	40.7	38.9	39.6	9.65	10.02	9.91	392.76	389.78	392.44
Honolulu	40.0	39.4	39.2	9.77	10.23	10.17	390.80	403.06	398.66
Idaho	36.8	38.4	37.8	9.80	10.09	10.16	360.64	387.46	384.05
Illinois	41.8	41.1	41.5	11.01	11.04	11.09	460.22	453.74	460.24
Aurora-Elgin	42.2	41.9	42.1	10.40	10.47	10.54	438.88	438.69	443.73
Bloomington-Normal	40.0	40.0	39.7	11.13	11.27	11.24	445.20	450.80	446.23
Champaign-Urbana-Rantoul	40.9	41.1	38.6	9.38	9.57	9.63	383.64	393.33	371.72
Chicago	42.3	41.6	41.8	10.64	10.81	10.78	450.07	449.70	450.60
Davenport-Rock Island-Moline	39.9	40.1	41.5	12.63	13.06	12.99	503.94	523.71	539.09
Decatur	42.6	42.0	42.4	14.15	14.58	14.42	602.79	612.36	611.41
Joliet	41.5	42.1	41.6	12.12	12.25	12.34	502.98	515.73	513.34
Kankakee	39.3	39.8	40.2	10.06	11.35	11.13	395.36	451.73	447.43
Lake County	40.3	40.3	40.3	11.16	11.69	11.65	449.75	471.11	469.50
Peoria	46.3	42.8	42.5	13.38	13.35	13.59	619.49	571.38	577.58
Rockford	43.0	42.9	42.4	11.90	11.79	11.85	511.70	505.79	502.44
Springfield	41.0	41.5	40.0	11.60	11.72	11.74	475.60	486.38	469.60
Indiana	40.8	41.2	40.9	11.29	11.56	11.47	460.63	476.27	469.12

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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a
Iowa	41.5	41.7	41.5	\$10.60	\$10.70	\$10.88	\$439.90	\$446.19	\$451.52
Cedar Rapids	40.4	40.3	39.3	11.79	12.73	12.73	476.32	513.02	500.29
Des Moines	43.6	43.2	42.9	12.02	11.82	12.10	524.07	510.62	519.09
Dubuque	40.6	40.1	40.1	11.89	11.68	11.75	482.73	468.37	471.18
Sioux City	34.8	34.2	34.0	8.24	8.37	8.35	286.75	286.25	283.90
Kansas	40.4	40.1	39.9	10.04	10.47	10.45	405.62	419.85	416.96
Topeka	43.9	41.8	42.3	11.65	11.44	11.35	511.44	478.19	480.11
Wichita	40.6	41.0	41.2	10.42	11.25	11.24	423.05	461.25	463.09
Kentucky	39.8	40.3	39.9	10.07	10.15	10.19	400.79	409.05	406.58
Lexington-Fayette	40.2	39.8	38.6	10.26	10.51	10.40	412.45	418.30	401.44
Louisville	41.1	41.1	41.6	11.68	11.69	11.74	480.05	480.46	488.38
Louisiana	42.0	41.9	41.7	10.82	11.04	11.29	454.44	462.58	470.79
Baton Rouge	43.4	43.7	42.3	12.68	12.81	12.71	550.31	559.80	537.63
New Orleans	40.4	40.1	40.3	10.54	10.69	10.86	425.82	428.67	437.66
Shreveport	39.7	41.6	39.8	11.47	11.46	11.94	455.36	476.74	475.21
Maine	41.0	40.2	40.2	9.04	9.74	9.69	370.64	391.55	389.54
Lewiston-Auburn	39.0	39.6	39.8	7.82	8.19	8.20	304.98	324.32	326.36
Portland	39.9	40.3	39.0	9.47	10.56	10.57	377.85	425.57	412.23
Maryland	40.7	41.4	41.4	10.27	10.76	10.82	417.99	445.46	447.95
Baltimore MSA	41.7	41.1	41.3	11.09	11.37	11.38	462.45	467.31	469.99
Massachusetts	40.4	41.4	41.4	10.06	10.53	10.56	406.42	435.94	437.18
Boston	41.2	41.2	41.0	10.84	11.26	11.29	446.61	463.91	462.89
Springfield	42.1	42.7	42.5	9.51	9.85	9.83	400.37	420.60	417.78
Worcester	39.8	41.5	41.4	10.22	10.61	10.68	406.76	440.32	442.15
Michigan	42.2	43.9	43.9	13.34	13.63	13.59	562.95	598.36	596.60
Ann Arbor	44.3	46.6	46.0	14.06	14.38	14.65	622.86	670.11	673.90
Battle Creek	41.5	43.2	42.4	13.68	14.41	14.09	567.72	622.51	597.42
Detroit	43.5	44.3	44.5	14.28	14.64	14.53	621.18	648.55	646.58
Flint	41.2	46.6	45.9	16.61	17.43	17.30	684.33	812.24	794.07
Grand Rapids	40.3	42.1	41.5	11.23	11.79	11.70	452.57	496.36	485.55
Jackson	41.1	42.6	43.2	9.96	10.33	10.61	409.36	440.06	458.35
Kalamazoo	42.8	43.3	42.9	12.25	12.74	12.72	524.30	551.64	545.69
Lansing-East Lansing	40.5	41.1	44.9	14.40	14.57	14.60	583.20	598.83	655.54
Muskegon	40.5	41.1	40.9	12.05	12.31	12.31	488.02	505.94	503.48
Saginaw-Bay City-Midland	42.2	45.4	45.0	15.01	15.45	15.48	633.42	701.43	696.60
Minnesota	40.4	40.1	40.3	10.51	10.77	10.72	424.60	431.88	432.02
Duluth	38.6	36.8	36.9	10.89	11.24	11.21	420.35	413.63	413.65
Minneapolis-St. Paul	40.7	40.4	40.6	11.11	11.34	11.28	452.18	458.14	457.97
St. Cloud	39.8	36.9	30.3	9.59	10.10	9.94	381.68	372.69	301.18
Mississippi	39.5	40.7	39.7	7.76	8.00	7.98	306.52	325.60	316.81
Jackson	40.5	40.7	40.1	8.72	9.04	9.10	353.16	367.93	364.91
Missouri	40.1	41.5	40.7	10.14	10.37	10.34	406.61	430.36	420.84
Kansas City	39.4	41.9	40.7	11.39	11.50	11.41	448.77	481.85	464.39
St. Louis	41.0	42.3	41.3	11.69	12.10	12.08	479.29	511.83	498.90
Springfield	39.3	40.6	39.8	8.53	8.59	8.62	335.23	348.75	343.08
Montana	39.8	39.4	39.1	10.57	10.86	10.82	420.69	427.88	423.06
Nebraska	39.9	39.7	39.9	9.42	9.50	9.53	375.86	377.15	380.25
Lincoln	40.9	39.6	39.4	10.13	10.05	10.20	414.32	397.98	401.88
Omaha	41.1	41.1	40.9	10.16	10.24	10.25	417.58	420.86	419.23
Nevada	39.8	40.3	40.1	9.91	10.18	9.90	394.42	410.25	396.99
Las Vegas	39.9	41.3	40.2	12.30	13.01	12.56	490.77	537.31	504.91
New Hampshire	39.6	41.6	41.0	9.42	10.01	9.99	373.03	416.42	409.59
Manchester	37.7	40.9	39.9	9.87	10.17	10.10	372.10	415.95	402.99
Nashua	39.6	41.4	41.3	11.52	12.12	11.83	456.19	501.77	488.58
Portsmouth-Dover-Rochester	39.4	41.7	40.8	9.13	9.59	9.61	359.72	399.90	392.09

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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a	Feb. 1988	Jan. 1989	Feb. 1989 ^a
New Jersey	41.0	41.3	41.3	\$10.78	\$11.14	\$11.12	\$441.98	\$460.08	\$459.26
New Mexico	40.8	40.3	40.2	8.69	8.80	8.85	354.55	354.64	355.77
Albuquerque	40.4	39.5	39.6	9.28	9.53	9.46	374.91	376.44	374.62
New York	39.6	40.1	40.0	10.23	10.66	10.61	405.11	427.47	424.40
Albany-Schenectady-Troy	40.1	41.4	40.9	10.95	11.13	11.11	439.10	460.78	454.40
Binghamton	40.6	41.0	40.7	9.51	9.80	9.76	386.11	401.80	397.23
Buffalo	42.5	42.7	42.1	12.08	12.86	12.77	513.40	549.12	537.62
Elmira	42.0	42.6	41.9	9.63	9.84	9.85	404.46	419.18	412.72
Nassau-Suffolk	39.3	39.1	39.5	10.86	11.69	11.45	426.80	457.08	452.28
New York PMSA	37.3	37.3	37.5	9.65	10.05	9.89	359.95	374.87	370.88
New York City	37.1	36.9	37.2	9.48	9.80	9.75	351.71	361.62	362.70
Niagara Falls	42.0	42.7	41.5	13.21	13.93	13.86	554.82	594.81	575.19
Orange County	38.0	39.1	38.5	8.00	8.68	8.83	304.00	339.39	339.96
Poughkeepsie	40.8	40.6	40.4	9.75	10.33	10.50	397.80	419.40	424.20
Rochester	42.0	43.2	43.3	12.31	12.56	12.45	517.02	542.59	539.09
Rockland County	37.3	37.1	37.2	10.47	10.58	10.71	390.53	392.52	398.41
Syracuse	41.6	41.8	41.6	11.58	12.30	12.32	481.73	514.14	512.51
Utica-Rome	41.0	41.7	40.8	9.62	9.89	9.72	394.42	412.41	396.58
Westchester County	39.1	41.4	41.0	10.75	11.87	10.86	420.33	491.42	445.26
North Carolina	40.7	40.6	39.9	8.01	8.31	8.33	326.01	337.39	332.37
Asheville	41.6	41.3	41.2	8.02	8.30	8.31	333.63	342.79	342.37
Charlotte-Gastonia-Rock Hill	41.0	40.2	40.3	8.24	8.69	8.71	337.84	349.34	351.01
Greensboro-Winston-Salem-High Point	40.8	39.7	38.4	8.92	9.13	9.14	363.94	362.46	350.98
Raleigh-Durham	41.8	41.9	41.2	9.08	9.25	9.28	379.54	387.58	382.34
North Dakota	38.6	38.2	39.0	8.21	8.57	8.53	316.91	327.37	332.67
Fargo-Moorhead	37.6	40.0	40.1	8.39	8.64	8.52	315.46	345.60	341.65
Ohio	42.4	43.2	43.1	11.86	12.21	12.22	502.86	527.47	526.68
Akron	43.0	42.7	42.7	11.35	11.47	11.44	488.05	489.77	488.49
Canton	43.1	43.1	43.3	11.44	11.61	11.64	493.06	500.39	504.01
Cincinnati	42.1	42.8	43.3	11.08	11.40	11.49	466.47	487.92	497.52
Cleveland	42.9	43.7	43.5	11.66	12.08	12.00	500.21	527.90	522.00
Columbus	41.7	41.5	41.3	11.45	11.72	11.76	477.47	486.38	485.69
Dayton-Springfield	42.4	44.1	43.9	12.19	13.08	13.00	516.86	576.83	570.70
Toledo	41.3	43.6	44.9	12.75	13.22	13.37	526.58	576.39	600.31
Youngstown-Warren	41.5	43.5	42.9	13.37	13.79	13.67	554.86	599.87	586.44
Oklahoma	40.9	40.9	40.8	10.18	10.53	10.55	416.36	430.68	430.44
Oklahoma City	40.8	41.5	41.8	11.26	11.57	11.65	459.41	480.16	486.97
Tulsa	41.2	41.2	41.4	10.84	10.76	10.58	446.61	443.31	438.01
Oregon	39.8	38.6	38.2	10.72	10.77	10.73	426.66	415.72	409.89
Eugene-Springfield	42.0	39.2	36.7	10.61	10.62	10.82	445.62	416.30	397.09
Portland	39.5	39.4	39.0	10.90	10.78	10.81	430.55	424.73	421.59
Salem	38.0	37.3	36.5	9.51	9.55	9.61	361.38	356.22	350.77
Pennsylvania	40.7	40.8	40.6	10.14	10.45	10.47	412.70	426.36	425.08
Allentown-Bethlehem	39.6	39.5	39.6	10.42	10.52	10.57	412.63	415.54	418.57
Altoona	40.7	40.3	39.7	8.55	9.28	9.20	347.99	373.98	365.24
Beaver County	42.6	44.2	43.0	10.75	10.80	10.68	457.95	477.36	459.24
Erie	43.0	42.6	42.6	10.40	10.61	10.63	447.20	451.99	452.84
Harrisburg-Lebanon-Carlisle	39.4	40.8	39.9	9.38	9.83	9.80	369.57	401.06	391.02
Johnstown	39.9	40.1	40.0	8.59	8.50	8.46	342.74	340.85	338.40
Lancaster	40.2	40.6	40.3	9.86	10.39	10.46	396.37	421.83	421.54
Philadelphia PMSA	40.3	40.6	40.7	11.02	11.51	11.59	444.11	467.31	471.71
Pittsburgh	42.2	42.2	42.1	11.26	11.32	11.31	475.17	477.70	476.15

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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P
Pennsylvania—Continued									
Reading	40.7	41.5	40.9	\$10.50	\$11.07	\$11.11	\$427.35	\$459.41	\$454.40
Scranton-Wilkes-Barre	38.0	38.2	38.6	8.81	9.10	9.05	334.78	347.62	349.33
Williamsport	40.9	39.7	38.9	8.83	9.34	9.26	361.15	370.80	360.21
York	42.6	41.7	41.5	9.65	9.98	10.05	411.09	416.17	417.08
Rhode Island									
Pawtucket-Woonsocket-Attleboro	39.9	38.9	39.0	8.38	8.96	8.95	334.36	348.54	349.05
Providence	40.5	39.6	39.9	7.93	8.54	8.57	321.17	338.18	341.94
Providence	39.4	38.5	38.6	8.42	8.67	8.68	331.75	333.80	335.05
South Carolina									
Charleston	41.6	41.4	41.3	8.24	8.44	8.49	342.78	349.42	350.64
Columbia	41.1	41.1	40.9	9.15	9.22	9.28	376.06	378.94	379.55
Columbia	41.2	41.7	41.8	8.23	8.59	8.63	339.08	358.20	360.73
Greenville-Spartanburg	41.9	41.3	41.0	8.20	8.36	8.38	343.58	345.27	343.58
South Dakota									
Sioux Falls	41.9	42.4	42.1	8.04	8.26	8.42	336.88	350.22	354.48
Sioux Falls	44.8	43.5	43.2	8.32	8.82	8.68	372.74	383.67	374.98
Tennessee									
Chattanooga	41.1	41.1	40.5	8.83	9.13	9.23	362.91	375.24	373.82
Chattanooga	43.8	42.0	41.6	7.75	8.11	8.08	339.45	340.62	336.13
Johnson City-Kingsport-Bristol	44.3	43.1	40.5	9.37	9.57	9.62	415.09	412.47	389.61
Knoxville	39.9	39.4	39.0	9.05	8.89	9.05	361.10	350.27	352.95
Memphis	41.1	42.0	41.5	9.00	9.41	9.32	369.90	395.22	386.78
Nashville	39.9	42.0	40.4	10.33	10.67	10.84	412.17	448.14	437.94
Texas									
Dallas	41.5	41.5	41.1	9.87	10.10	10.12	409.61	419.15	415.93
Dallas	41.2	41.1	40.2	9.75	10.08	9.99	401.70	414.29	401.60
Ft. Worth-Arlington	40.4	41.0	41.2	10.42	10.83	10.69	420.97	444.03	440.43
Houston	43.5	44.0	42.6	11.13	11.67	11.76	484.16	513.48	500.98
San Antonio	39.5	39.4	38.8	7.71	7.52	7.58	304.55	296.29	294.10
Utah									
Salt Lake City-Ogden	39.9	39.9	39.4	9.81	10.05	10.02	391.42	401.00	394.79
Salt Lake City-Ogden	40.8	40.4	40.4	9.88	9.93	9.98	403.10	401.17	403.19
Vermont									
Burlington	40.0	41.2	40.8	9.28	9.66	9.72	371.20	397.99	396.58
Burlington	40.8	41.4	41.0	9.72	10.29	10.49	396.58	426.01	430.09
Virginia									
Bristol	40.4	40.9	40.1	9.28	9.50	9.53	374.91	388.55	382.15
Bristol	43.3	42.6	41.1	7.88	7.77	7.83	341.20	331.00	321.81
Charlottesville	40.4	41.2	41.1	7.60	7.84	7.82	307.04	323.01	321.40
Danville	41.3	40.6	40.1	8.57	8.80	8.62	353.94	357.28	345.66
Lynchburg	39.8	41.8	41.8	8.54	9.26	9.16	339.89	387.07	382.89
Northern Virginia	40.1	39.4	39.5	10.11	10.71	10.90	405.41	421.97	430.55
Richmond-Petersburg	41.6	41.5	41.3	12.06	12.30	12.33	501.70	510.45	509.23
Roanoke	41.9	41.4	40.6	8.87	9.75	9.67	371.65	403.65	392.60
Washington									
Seattle	40.2	40.3	39.7	11.75	12.12	12.18	472.35	488.44	483.55
West Virginia									
Charleston	41.0	40.8	40.8	10.65	10.91	11.00	436.65	445.13	448.80
Charleston	42.4	44.6	44.9	13.20	13.52	13.59	559.68	602.99	610.19
Huntington-Ashland	41.7	40.8	40.7	11.98	12.35	12.40	499.57	503.88	504.68
Parkersburg-Marietta	42.6	42.4	43.3	12.47	12.92	12.66	531.22	547.81	548.18
Wheeling	41.1	38.6	40.6	11.69	12.00	12.03	480.46	463.20	488.42
Wisconsin									
Appleton-Oshkosh	41.6	41.5	41.5	10.68	10.72	10.74	444.29	444.88	445.71
Appleton-Oshkosh	43.1	43.1	42.3	11.24	11.58	11.59	484.44	499.10	490.26
Eau Claire	40.2	41.7	42.1	11.00	10.66	10.32	442.20	444.52	434.47
Green Bay	41.8	41.5	40.9	11.45	11.54	11.48	478.61	478.91	469.53
Janesville-Beloit	41.7	44.4	44.6	11.97	13.31	13.17	499.15	590.96	587.38
Kenosha	42.9	40.4	41.0	13.30	12.87	12.67	570.57	519.95	519.47
La Crosse	38.3	38.6	40.1	9.22	9.48	9.80	353.13	365.93	392.98
Madison	40.3	41.5	40.8	10.07	10.07	9.98	405.82	417.91	407.18
Milwaukee	41.4	41.3	41.2	11.59	11.55	11.60	479.83	477.02	477.92
Racine	40.9	40.2	39.2	10.95	10.90	10.61	447.86	438.16	423.75
Wausau	41.9	41.4	40.3	10.30	10.16	10.27	431.57	420.62	413.88
Wyoming									
Wyoming	36.7	37.7	38.0	9.50	9.99	10.06	348.65	376.62	382.28
Puerto Rico									
Puerto Rico	39.3	38.8	39.9	5.44	5.64	5.65	213.79	218.83	225.44
Virgin Islands									
Virgin Islands	40.5	40.0	(¹)	9.56	11.01	(¹)	387.18	440.40	(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 1988 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		
	Jan. 1989 ^r	Feb. 1989 ^r	Mar. 1989 ^p	Mar. 1988 to Mar. 1989 ^p	Jan. 1989 to Feb. 1989 ^r	Feb. 1989 to Mar. 1989 ^p
Total	201,383	201,349	201,077	3.2	0.0	-0.1
Private sector	166,005	165,565	165,693	3.5	-.3	.1
Mining	1,554	1,545	1,571	-1.2	-.6	1.7
Construction	10,769	10,722	10,777	5.3	-.4	.5
Manufacturing	42,162	42,184	42,120	2.0	.1	-.2
Durable goods	25,208	25,178	25,134	2.4	-.1	-.2
Nondurable goods	16,954	17,006	16,986	1.5	.3	-.1
Transportation and public utilities	11,730	11,624	11,627	4.1	-.9	.0
Wholesale trade	12,533	12,587	12,608	5.0	.4	.2
Retail trade	29,667	29,501	29,476	2.6	-.6	-.1
Finance, insurance, and real estate	12,675	12,595	12,596	1.8	-.6	.0
Services	44,916	44,807	44,919	5.1	-.2	.2
Government	35,378	35,784	35,383	1.8	1.1	-1.1

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

^p = preliminary.

^r = revised.

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

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

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

(1977 = 100)

Item	Annual average		Quarterly index										
	1987	1988	1986			1987				1988			
			II	III	IV	I	II	III	IV	I	II	III	IV
Business sector													
Output per hour of all persons	111.0	112.1	110.4	110.0	109.8	109.9	110.6	111.7	111.8	112.8	111.8	112.3	111.8
Output	133.3	139.3	128.2	128.5	129.3	130.5	132.2	134.3	136.2	138.0	138.8	139.8	140.6
Hours	120.1	124.2	116.1	116.8	117.8	118.8	119.5	120.3	121.8	122.3	124.1	124.5	125.8
Compensation per hour	190.4	199.5	182.0	184.0	186.2	187.3	189.0	191.1	194.0	195.8	198.1	201.1	203.4
Real compensation per hour	101.5	102.2	101.1	101.6	102.1	101.4	101.1	101.3	101.9	101.9	102.0	102.4	102.4
Unit labor costs	171.5	177.9	164.9	167.3	169.6	170.5	170.8	171.1	173.5	173.5	177.1	179.0	182.0
Unit nonlabor payments	168.7	171.7	165.2	166.6	163.7	165.6	168.7	171.5	168.9	170.0	170.4	172.7	173.5
Implicit price deflator	170.5	175.7	165.0	167.0	167.5	168.7	170.1	171.2	171.9	172.3	174.7	176.8	179.0
Nonfarm business sector													
Output per hour of all persons	109.0	110.5	108.4	108.0	107.8	107.8	108.6	109.6	109.9	110.8	110.1	110.7	110.7
Output	133.0	139.8	127.8	128.1	128.8	130.1	131.9	134.1	136.0	137.9	139.2	140.5	141.7
Hours	122.1	126.5	117.9	118.6	119.5	120.7	121.5	122.3	123.8	124.4	126.4	126.9	128.1
Compensation per hour	189.4	198.2	181.2	183.1	185.4	186.4	187.9	190.0	192.9	194.6	196.6	199.4	202.2
Real compensation per hour	101.0	101.5	100.7	101.2	101.7	100.9	100.5	100.7	101.4	101.3	101.3	101.5	101.8
Unit labor costs	173.8	179.3	167.1	169.5	172.1	172.9	173.0	173.3	175.6	175.7	178.6	180.2	182.6
Unit nonlabor payments	170.2	173.6	166.6	168.1	164.9	167.2	169.8	173.0	170.9	171.6	171.8	173.9	176.8
Implicit price deflator	172.5	177.3	167.0	169.0	169.5	170.9	171.9	173.2	174.0	174.2	176.2	178.0	180.6
Manufacturing													
Output per hour of all persons	132.0	136.2	127.2	128.0	128.8	130.0	131.7	132.8	133.2	134.3	135.5	137.2	137.9
Output	130.1	138.1	124.1	124.8	125.9	127.2	128.7	131.1	133.5	135.0	136.9	139.3	141.2
Hours	98.6	101.4	97.6	97.4	97.7	97.8	97.7	98.8	100.2	100.6	101.1	101.5	102.4
Compensation per hour	186.9	193.6	182.0	183.6	185.3	185.9	186.3	187.2	188.2	190.7	192.1	194.4	197.0
Real compensation per hour	99.7	99.2	101.1	101.4	101.7	100.7	99.7	99.3	98.9	99.3	99.0	99.0	99.2
Unit labor costs	141.7	142.1	143.2	143.4	143.8	143.1	141.4	141.0	141.3	142.1	141.8	141.6	142.9
Durable goods													
Output per hour of all persons	138.5	143.2	132.6	133.9	135.1	136.6	138.1	139.1	140.0	141.3	142.7	144.2	144.7
Output	136.0	145.0	130.0	130.7	131.8	133.3	134.2	136.5	139.9	141.3	144.0	146.4	148.4
Hours	98.2	101.3	98.0	97.6	97.6	97.6	97.2	98.2	99.9	100.0	100.9	101.5	102.6
Compensation per hour	185.2	191.8	180.8	182.2	184.2	184.9	184.4	185.3	186.2	189.5	190.1	192.3	195.1
Real compensation per hour	98.8	98.2	100.4	100.7	101.1	100.1	98.7	98.3	97.8	98.7	97.9	97.9	98.2
Unit labor costs	133.7	133.9	136.3	136.0	136.4	135.3	133.5	133.2	133.0	134.1	133.3	133.4	134.8
Nondurable goods													
Output per hour of all persons	122.3	125.8	118.9	119.2	119.6	120.1	122.4	123.5	123.2	123.9	124.8	126.9	127.7
Output	121.4	127.8	115.4	115.9	117.0	118.0	120.5	123.1	124.0	125.6	126.4	128.8	130.4
Hours	99.3	101.6	97.0	97.2	97.9	98.2	98.4	99.7	100.7	101.4	101.3	101.5	102.2
Compensation per hour	190.1	196.8	184.0	186.0	187.2	188.0	189.7	190.8	191.9	193.2	195.7	197.9	200.2
Real compensation per hour	101.4	100.8	102.2	102.7	102.7	101.8	101.5	101.2	100.8	100.6	100.8	100.8	100.8
Unit labor costs	155.4	156.4	154.7	156.0	156.5	156.4	155.0	154.5	155.8	156.0	156.8	156.0	156.9
Nonfinancial corporations													
Output per all-employee hour	111.3	112.7	109.3	109.6	110.3	110.1	110.9	112.2	112.2	113.3	112.9	112.7	(¹)
Output	134.6	141.5	128.3	128.9	130.4	131.3	133.3	136.1	137.7	140.1	141.2	142.0	(¹)
Hours	120.9	125.6	117.3	117.6	118.1	119.3	120.2	121.3	122.8	123.6	125.0	126.1	(¹)
Compensation per hour	185.5	193.2	178.5	180.2	182.2	182.9	184.3	186.1	188.5	189.9	191.9	194.5	(¹)
Real compensation per hour	98.9	99.0	99.2	99.5	100.0	99.0	98.6	98.7	99.0	98.9	98.8	99.0	(¹)
Total unit costs	170.6	175.3	166.7	168.4	168.8	169.9	170.3	170.2	172.0	171.5	173.8	176.4	(¹)
Unit labor costs	166.6	171.5	163.3	164.3	165.1	166.2	166.1	165.9	168.1	167.5	170.0	172.6	(¹)
Unit nonlabor costs	182.5	186.9	176.9	180.3	179.6	180.8	182.6	183.0	183.6	183.4	185.1	187.8	(¹)
Unit profits	130.8	129.8	132.7	133.6	129.7	128.5	129.8	136.4	128.3	132.5	132.6	129.6	(¹)
Implicit price deflator	165.8	169.9	162.6	164.2	164.1	164.9	165.4	166.1	166.7	166.9	168.8	170.8	(¹)

Not available.

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					
	III 1987	IV 1987	I 1988	II 1988	III 1988	IV 1988	III 1987	IV 1987	I 1988	II 1988	III 1988	IV 1988
Business sector												
Output per hour of all persons	3.9	0.6	3.5	-3.4	1.7	-2.0	1.5	1.9	2.7	1.1	0.6	-0.1
Output	6.6	5.7	5.5	2.4	2.8	2.2	4.5	5.3	5.8	5.0	4.1	3.2
Hours	2.8	5.1	1.9	6.0	1.1	4.3	3.0	3.4	3.0	3.9	3.5	3.3
Compensation per hour	4.8	6.2	3.7	4.8	6.2	4.7	3.9	4.2	4.5	4.8	5.2	4.8
Real compensation per hour .....	.9	2.4	.0	.3	1.4	.3	-.3	-.2	.5	.9	1.0	.5
Unit labor costs .....	.7	5.6	.2	8.5	4.4	6.8	2.3	2.3	1.8	3.7	4.6	4.9
Unit nonlabor payments	6.7	-5.8	2.5	1.0	5.3	2.1	2.9	3.2	2.7	1.0	.7	2.7
Implicit price deflator	2.8	1.4	1.0	5.8	4.7	5.1	2.5	2.8	2.1	2.7	3.2	4.2
Nonfarm business sector												
Output per hour of all persons	3.7	.9	3.4	-2.4	2.0	.1	1.5	1.9	2.8	1.4	1.0	.7
Output	6.8	5.9	5.8	4.0	3.5	3.7	4.7	5.6	6.0	5.6	4.7	4.2
Hours	2.9	4.9	2.1	6.6	1.5	3.6	3.2	3.6	3.1	4.1	3.8	3.4
Compensation per hour	4.5	6.4	3.5	4.2	5.7	5.6	3.7	4.1	4.4	4.6	5.0	4.8
Real compensation per hour .....	.7	2.6	-.1	-.3	.9	1.1	-.4	-.3	.4	.7	.8	.4
Unit labor costs .....	.7	5.4	.1	6.8	3.7	5.6	2.2	2.1	1.6	3.2	4.0	4.0
Unit nonlabor payments	7.7	-4.8	1.6	.7	4.8	6.8	2.9	3.6	2.6	1.2	.5	3.5
Implicit price deflator	3.1	1.8	.6	4.7	4.1	6.0	2.5	2.6	1.9	2.5	2.8	3.8
Manufacturing												
Output per hour of all persons	3.2	1.3	3.2	3.7	5.2	1.8	3.7	3.4	3.3	2.8	3.3	3.5
Output	7.8	7.5	4.6	5.8	7.1	5.5	5.1	6.0	6.2	6.4	6.2	5.7
Hours	4.4	6.1	1.3	2.0	1.8	3.6	1.4	2.6	2.8	3.4	2.8	2.2
Compensation per hour	2.1	2.1	5.4	3.0	4.8	5.5	2.0	1.6	2.6	3.2	3.8	4.6
Real compensation per hour	-1.5	-1.5	1.8	-1.5	.0	1.0	-2.1	-2.7	-1.3	-.7	-.3	.3
Unit labor costs	-1.1	.8	2.2	-.7	-.5	3.5	-1.7	-1.8	-.7	.3	.5	1.1
Durable goods												
Output per hour of all persons	2.9	2.6	3.8	3.8	4.3	1.4	3.8	3.7	3.4	3.3	3.6	3.3
Output	7.0	10.2	4.3	7.7	6.8	5.6	4.5	6.1	6.0	7.3	7.2	6.1
Hours	4.0	7.3	.4	3.8	2.4	4.2	.6	2.3	2.5	3.8	3.4	2.7
Compensation per hour	2.0	1.9	7.1	1.4	4.7	5.8	1.7	1.1	2.5	3.1	3.8	4.8
Real compensation per hour	-1.6	-1.7	3.4	-3.0	.0	1.3	-2.4	-3.2	-1.4	-.8	-.3	.4
Unit labor costs	-9	-7	3.2	-2.3	.5	4.3	-2.1	-2.5	-.9	-.2	.1	1.4
Nondurable goods												
Output per hour of all persons	3.8	-1.1	2.3	3.2	6.8	2.5	3.6	3.0	3.1	2.0	2.7	3.7
Output	9.0	3.1	5.1	2.7	7.7	5.2	6.2	6.0	6.4	4.9	4.6	5.2
Hours	5.1	4.2	2.7	-.5	.9	2.7	2.5	2.9	3.2	2.9	1.8	1.4
Compensation per hour	2.4	2.2	2.9	5.2	4.8	4.7	2.6	2.5	2.8	3.2	3.7	4.4
Real compensation per hour	-1.3	-1.4	-.7	.6	-.1	.3	-1.5	-1.8	-1.1	-.7	-.4	.0
Unit labor costs	-1.3	3.4	.6	2.0	-2.0	2.2	-1.0	-.5	-.3	1.1	1.0	.7
Nonfinancial corporations												
Output per all-employee hour	4.7	-.1	4.3	-1.6	-.8	(¹)	2.3	1.6	3.0	1.8	.4	(¹)
Output	8.8	4.7	7.2	3.0	2.5	(¹)	5.6	5.6	6.7	5.9	4.3	(¹)
Hours	4.0	4.8	2.8	4.7	3.3	(¹)	3.2	3.9	3.6	4.1	3.9	(¹)
Compensation per hour	4.1	5.2	3.0	4.2	5.5	(¹)	3.3	3.4	3.8	4.1	4.5	(¹)
Real compensation per hour .....	.4	1.5	-.6	-.3	.8	(¹)	-.9	-.9	-.2	.2	.3	(¹)
Total unit costs	-.2	4.2	-1.0	5.3	6.3	(¹)	1.1	1.9	1.0	2.1	3.7	(¹)
Unit labor costs	-.6	5.3	-1.2	5.9	6.4	(¹)	.9	1.8	.8	2.3	4.0	(¹)
Unit nonlabor costs .....	.8	1.3	-.3	3.7	6.1	(¹)	1.5	2.2	1.5	1.4	2.7	(¹)
Unit profits	21.9	-21.5	13.8	.3	-8.9	(¹)	2.0	-1.1	3.1	2.2	-5.0	(¹)
Implicit price deflator	1.7	1.5	.3	4.8	4.8	(¹)	1.2	1.6	1.2	2.1	2.8	(¹)

¹ Not available.

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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P
Alabama	1,862.9	1,897.6	1,886.1	139.8	161.7	143.4	7.5	8.5	7.6
Birmingham	434.5	439.0	437.5	27.5	29.3	26.0	6.3	6.7	6.0
Huntsville	129.5	133.9	133.8	6.6	7.6	7.0	5.1	5.7	5.3
Mobile	206.3	210.1	209.6	18.9	22.2	20.7	9.2	10.5	9.9
Montgomery	135.0	136.6	136.6	8.5	9.2	8.7	6.3	6.8	6.3
Tuscaloosa	69.7	70.9	70.9	3.9	4.3	3.8	5.6	6.0	5.3
Alaska	240.0	235.5	234.6	26.7	24.4	23.6	11.1	10.4	10.1
Arizona	1,613.1	1,662.2	1,684.9	90.1	95.2	98.7	5.6	5.7	5.9
Phoenix	1,002.6	1,030.0	1,043.0	46.4	49.4	50.3	4.6	4.8	4.8
Tucson	305.5	314.3	319.0	14.3	14.8	16.1	4.7	4.7	5.1
Arkansas	1,113.0	1,130.9	1,133.7	101.9	89.3	92.9	9.2	7.9	8.2
Fayetteville-Springdale	60.9	61.7	62.1	2.9	2.6	2.7	4.8	4.3	4.4
Fort Smith	92.2	93.5	92.6	6.6	7.8	7.6	7.1	8.4	8.2
Little Rock-North Little Rock	264.0	272.1	270.1	19.5	16.4	16.9	7.4	6.0	6.3
Pine Bluff	37.5	37.9	38.1	3.5	3.1	3.2	9.4	8.3	8.5
California¹	13,909.7	14,168.2	14,083.2	808.1	761.4	774.2	5.8	5.4	5.5
Anaheim-Santa Ana	1,310.3	1,367.3	1,364.8	40.9	41.3	41.5	3.1	3.0	3.0
Bakersfield	219.8	228.4	229.5	24.1	24.1	28.0	11.0	10.6	12.2
Fresno	286.3	303.7	301.4	35.2	33.6	37.7	12.3	11.1	12.5
Los Angeles-Long Beach	4,400.0	4,168.1	4,139.0	249.0	184.3	181.8	5.7	4.4	4.4
Modesto	148.8	157.3	158.5	20.3	19.5	22.2	13.6	12.4	14.0
Oakland	1,034.1	1,087.7	1,082.0	49.9	49.0	48.2	4.8	4.5	4.5
Oxnard-Ventura	338.0	357.4	355.0	17.0	19.1	18.9	5.0	5.3	5.3
Riverside-San Bernardino	914.6	960.1	949.0	51.9	56.1	57.1	5.7	5.8	6.0
Sacramento	671.3	719.0	715.7	39.3	40.8	40.1	5.9	5.7	5.6
San Diego	1,073.2	1,142.7	1,135.6	47.8	46.2	45.3	4.5	4.0	4.0
San Francisco	852.9	889.3	878.0	31.1	31.5	30.2	3.6	3.5	3.4
San Jose	817.5	850.2	844.1	33.7	33.9	33.3	4.1	4.0	3.9
Santa Barbara-Santa Maria-Lompoc	173.9	180.6	179.8	8.8	8.5	8.8	5.0	4.7	4.9
Santa Rosa-Petaluma	186.7	192.7	191.5	9.5	10.2	10.1	5.1	5.3	5.3
Stockton	186.0	194.8	193.8	20.8	21.2	22.6	11.2	10.9	11.7
Vallejo-Fairfield-Napa	181.2	192.3	191.0	10.8	11.2	10.8	6.0	5.8	5.7
Colorado	1,690.8	1,678.4	1,675.1	131.2	123.0	124.8	7.8	7.3	7.4
Boulder-Longmont	129.3	130.1	129.7	7.3	7.4	7.6	5.7	5.7	5.9
Denver	872.3	865.1	862.5	60.5	57.1	58.2	6.9	6.6	6.7
Connecticut	1,689.9	1,677.3	1,713.5	55.9	61.8	59.3	3.3	3.7	3.5
Bridgeport-Milford	225.2	222.0	226.2	9.1	10.4	10.1	4.0	4.7	4.5
Hartford	411.5	409.3	417.6	12.3	13.9	13.0	3.0	3.4	3.1
New Britain	70.1	69.0	70.6	2.6	2.9	2.9	3.7	4.2	4.1
New Haven-Meriden	264.0	264.4	269.7	8.2	9.2	8.7	3.1	3.5	3.2
Stamford	110.3	110.3	111.9	2.5	2.4	2.4	2.2	2.2	2.1
Waterbury	97.5	97.0	99.6	4.4	4.7	4.5	4.5	4.8	4.5
Delaware	341.1	352.1	351.7	13.7	12.1	12.4	4.0	3.4	3.5
Wilmington	298.6	303.8	304.1	13.2	11.6	11.7	4.4	3.8	3.9
District of Columbia	334.9	330.3	331.7	19.5	17.6	19.7	5.8	5.3	5.9
Washington	2,165.7	2,212.4	2,206.5	65.7	61.6	65.1	3.0	2.8	2.9
Florida¹	5,965.6	6,051.5	6,013.4	298.4	358.3	311.5	5.0	5.9	5.2
Daytona Beach	149.9	147.9	150.4	6.9	8.4	8.3	4.6	5.7	5.5
Fort Lauderdale-Hollywood-Pompano Beach	624.3	631.1	626.4	27.9	32.7	30.6	4.5	5.2	4.9
Fort Myers-Cape Coral	136.7	144.0	143.4	4.6	6.0	4.9	3.4	4.2	3.4
Jacksonville	443.3	448.9	444.8	24.4	28.5	25.4	5.5	6.4	5.7
Melbourne-Titusville-Palm Bay	177.4	181.6	180.9	8.3	10.6	9.6	4.7	5.8	5.3
Miami-Hialeah	921.5	929.5	918.0	49.3	58.2	47.7	5.3	6.3	5.2
Orlando	562.9	567.3	566.0	26.1	32.4	27.5	4.6	5.7	4.9
Pensacola	144.1	143.4	142.1	8.9	10.7	9.8	6.2	7.5	6.9
Sarasota	118.6	121.4	120.6	4.2	4.9	3.8	3.5	4.0	3.1
Tallahassee	125.7	125.3	126.0	4.7	6.0	5.1	3.8	4.8	4.0
Tampa-St. Petersburg-Clearwater	975.7	980.8	977.1	46.0	53.8	50.7	4.7	5.5	5.2
West Palm Beach-Boca Raton-Delray Beach	402.1	416.9	416.8	17.7	22.9	20.1	4.4	5.5	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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P
Georgia	3,132.7	3,250.3	3,242.2	199.3	183.1	168.4	6.4	5.6	5.2
Athens	74.3	77.1	77.4	3.8	3.6	2.9	5.1	4.6	3.8
Atlanta	1,483.8	1,521.5	1,528.0	79.9	74.1	71.3	5.4	4.9	4.7
Augusta	181.1	183.3	182.8	11.7	10.6	10.1	6.5	5.8	5.5
Columbus	101.3	101.3	101.2	7.5	6.2	5.6	7.4	6.1	5.5
Macon-Warner Robins	129.9	132.9	132.4	8.3	7.1	6.1	6.4	5.3	4.6
Savannah	113.4	114.1	113.2	8.5	6.2	5.9	7.5	5.4	5.2
Hawaii	517.6	515.1	514.3	14.8	17.8	17.5	2.9	3.5	3.4
Honolulu	384.5	379.2	379.6	9.8	11.5	11.3	2.6	3.0	3.0
Idaho	462.0	479.7	485.2	37.6	34.4	33.8	8.1	7.2	7.0
Boise City	105.1	112.1	113.3	5.4	5.1	4.8	5.1	4.5	4.2
Illinois ¹	5,716.7	5,791.5	5,902.6	467.4	372.2	359.4	8.2	6.4	6.1
Aurora-Elgin	174.2	182.1	185.5	11.9	10.6	10.1	6.8	5.8	5.4
Bloomington-Normal	67.6	70.0	72.2	3.9	3.3	3.2	5.8	4.7	4.5
Champaign-Urbana-Rantoul	90.1	88.0	93.8	4.7	4.0	3.9	5.3	4.6	4.2
Chicago	3,143.0	3,181.2	3,249.7	225.9	180.1	173.1	7.2	5.7	5.3
Davenport-Rock Island-Moline	179.4	182.1	183.5	14.9	12.9	11.9	8.3	7.1	6.5
Decatur	58.9	59.2	60.1	6.1	5.1	4.6	10.3	8.6	7.7
Joliet	194.4	194.7	200.1	18.8	14.0	13.9	9.6	7.2	7.0
Kankakee	44.5	44.1	45.3	5.2	3.9	4.0	11.8	8.7	8.8
Lake County	265.3	281.5	287.9	13.7	12.2	11.5	5.2	4.4	4.0
Peoria	153.2	157.3	160.9	12.5	10.2	10.1	8.1	6.5	6.3
Rockford	149.0	147.7	151.3	13.4	9.4	9.4	9.0	6.3	6.2
Springfield	108.3	110.2	112.2	7.1	6.1	5.9	6.6	5.6	5.3
Indiana	2,746.0	2,801.2	2,820.2	190.8	141.5	153.4	6.9	5.1	5.4
Anderson	59.4	59.3	60.1	5.0	3.2	3.6	8.4	5.4	6.1
Bloomington	59.6	63.9	63.1	2.6	2.2	2.5	4.4	3.5	4.0
Elkhart-Goshen	92.9	97.3	97.8	4.6	4.0	4.1	5.0	4.1	4.1
Evansville	140.5	142.2	144.4	10.8	7.6	9.3	7.7	5.3	6.5
Fort Wayne	194.0	199.3	200.5	11.2	8.8	9.4	5.8	4.4	4.7
Gary-Hammond	251.8	255.9	258.7	21.9	14.3	15.7	8.7	5.6	6.1
Indianapolis	653.0	672.5	676.3	36.7	27.7	29.6	5.6	4.1	4.4
Lafayette	66.3	67.5	68.6	2.5	2.0	2.3	3.7	2.9	3.3
Muncie	60.4	60.7	61.2	4.7	3.3	3.4	7.8	5.4	5.5
South Bend-Mishawaka	127.9	131.6	132.0	7.2	5.9	6.3	5.6	4.5	4.8
Terre Haute	59.9	58.9	58.8	4.8	3.5	3.6	8.1	5.9	6.1
Iowa	1,448.0	1,515.2	1,512.9	81.4	73.9	69.2	5.6	4.9	4.6
Cedar Rapids	93.3	98.6	98.3	4.5	3.8	3.6	4.8	3.8	3.7
Des Moines	224.1	238.6	237.8	9.6	8.9	8.9	4.3	3.7	3.7
Dubuque	43.5	45.4	45.1	3.2	3.2	3.0	7.4	7.2	6.7
Sioux City	58.7	61.2	60.7	3.9	2.8	2.6	6.6	4.5	4.2
Waterloo-Cedar Falls	69.2	72.2	72.9	4.9	4.0	3.7	7.1	5.6	5.1
Kansas	1,275.8	1,275.1	1,287.1	65.8	66.4	65.4	5.2	5.2	5.1
Topeka	92.7	93.3	93.5	4.9	4.9	4.8	5.2	5.2	5.1
Wichita	254.1	256.6	259.7	13.0	12.9	12.3	5.1	5.0	4.7
Kentucky	1,666.1	1,697.3	1,701.9	148.4	138.3	136.0	8.9	8.1	8.0
Lexington-Fayette	185.2	193.2	197.1	9.0	9.2	9.1	4.8	4.8	4.6
Louisville	491.4	504.7	503.7	32.7	31.3	31.0	6.7	6.2	6.1
Owensboro	42.9	43.8	43.4	4.0	3.6	3.4	9.4	8.2	7.8
Louisiana	1,904.3	1,887.9	1,875.1	226.1	224.0	220.1	11.9	11.9	11.7
Alexandria	59.5	59.6	58.7	6.5	6.8	6.6	10.9	11.4	11.3
Baton Rouge	265.0	265.7	264.3	26.4	27.3	25.1	9.9	10.3	9.5
Houma-Thibodaux	70.8	68.6	68.3	9.4	8.0	8.1	13.3	11.7	11.8
Lafayette	98.6	97.3	97.2	10.9	10.2	10.1	11.0	10.5	10.4
Monroe	69.4	66.6	66.3	7.7	7.4	7.5	11.1	11.2	11.4
New Orleans	590.1	584.8	581.2	57.3	57.1	56.6	9.7	9.8	9.7
Shreveport	162.2	158.7	157.6	18.8	18.2	18.4	11.6	11.5	11.7
Maine	576.6	596.3	594.0	27.8	27.6	27.5	4.8	4.6	4.6
Lewiston-Auburn	41.5	42.7	42.1	2.1	2.4	2.3	5.0	5.6	5.3
Portland	122.9	129.3	128.6	3.0	3.0	3.2	2.5	2.3	2.5

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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P
Maryland	2,436.2	2,487.7	2,477.1	119.3	100.7	102.9	4.9	4.0	4.2
Baltimore	1,174.8	1,188.9	1,183.2	62.8	51.7	53.4	5.3	4.4	4.5
Massachusetts¹	3,098.0	3,139.1	3,162.4	116.3	119.3	124.1	3.8	3.8	3.9
Boston	1,539.5	1,554.3	1,566.4	47.2	47.8	49.4	3.1	3.1	3.2
Brockton	97.2	99.0	99.7	4.0	4.2	4.4	4.1	4.3	4.4
Fall River	76.5	76.1	76.5	5.3	5.3	5.3	6.9	6.9	6.9
Fitchburg-Leominster	47.4	46.5	47.0	2.0	2.4	2.4	4.2	5.1	5.1
Lawrence-Haverhill	185.7	185.2	187.1	8.1	8.3	8.7	4.4	4.5	4.7
Lowell	150.5	153.6	154.6	5.3	6.0	6.2	3.5	3.9	4.0
New Bedford	85.0	87.3	87.5	5.6	5.5	5.8	6.6	6.4	6.6
Springfield	251.0	250.6	252.4	9.5	9.6	10.1	3.8	3.8	4.0
Worcester	219.9	226.1	228.5	7.6	7.9	8.1	3.4	3.5	3.5
Michigan¹	4,482.1	4,588.5	4,611.9	399.4	358.3	312.2	8.9	7.8	6.8
Ann Arbor	158.9	163.8	166.9	7.1	6.1	5.7	4.5	3.7	3.4
Battle Creek	63.7	64.9	65.3	5.6	5.2	4.0	8.8	7.9	6.2
Benton Harbor	76.5	79.2	79.4	5.7	6.3	5.5	7.5	8.0	6.9
Detroit	2,158.1	2,206.6	2,212.6	189.5	163.6	142.2	8.8	7.4	6.4
Flint	191.7	188.2	187.6	30.1	23.8	18.5	15.7	12.7	9.9
Grand Rapids	349.8	361.5	366.1	21.1	20.0	17.4	6.0	5.5	4.8
Jackson	64.3	66.2	66.7	5.2	5.1	4.3	8.0	7.8	6.4
Kalamazoo	114.7	118.4	120.7	5.9	5.9	5.4	5.2	5.0	4.5
Lansing-East Lansing	239.7	246.5	247.2	17.2	14.3	13.4	7.2	5.8	5.4
Muskegon	66.9	67.5	67.2	6.5	6.5	5.6	9.7	9.7	8.4
Saginaw-Bay City-Midland	180.3	183.8	184.6	17.5	14.3	13.0	9.7	7.8	7.0
Minnesota	2,283.1	2,324.0	2,312.2	113.7	119.0	112.1	5.0	5.1	4.9
Duluth	105.2	107.7	106.6	8.4	7.6	7.4	7.9	7.1	6.9
Minneapolis-St.Paul	1,368.1	1,389.1	1,383.9	52.8	54.8	53.2	3.9	3.9	3.8
Rochester	58.6	61.8	61.2	2.0	2.0	1.9	3.4	3.2	3.2
St. Cloud	94.2	97.4	97.3	5.6	6.1	5.9	6.0	6.3	6.0
Mississippi	1,142.7	1,143.4	1,148.6	96.0	107.8	100.1	8.4	9.4	8.7
Jackson	197.4	196.6	197.8	11.2	12.1	11.1	5.7	6.1	5.6
Missouri	2,583.8	2,581.8	2,579.5	177.2	169.0	168.4	6.9	6.5	6.5
Kansas City	846.1	849.4	854.2	48.8	49.7	51.2	5.8	5.8	6.0
St. Louis	1,252.1	1,256.0	1,257.2	87.7	78.7	75.9	7.0	6.3	6.0
Springfield	122.9	123.9	124.9	6.4	6.4	6.3	5.2	5.1	5.0
Montana	392.3	395.3	396.7	32.8	29.0	29.9	8.4	7.3	7.5
Nebraska	798.5	810.5	803.5	34.9	28.4	25.3	4.4	3.5	3.1
Lincoln	123.3	125.6	126.2	3.5	2.9	3.1	2.8	2.3	2.5
Omaha	322.5	330.6	327.1	14.4	12.3	10.8	4.5	3.7	3.3
Nevada	565.9	595.0	599.3	36.5	35.2	38.8	6.5	5.9	6.5
Las Vegas	331.5	351.2	352.9	21.1	19.9	21.4	6.4	5.7	6.1
Reno	136.9	139.6	141.0	8.6	8.3	9.3	6.2	5.9	6.6
New Hampshire	587.5	614.0	608.5	15.6	17.6	17.3	2.7	2.9	2.8
Manchester	84.0	84.4	83.9	2.1	2.2	2.4	2.5	2.6	2.8
Nashua	98.7	99.9	98.7	2.4	2.9	2.8	2.5	2.9	2.9
Portsmouth-Dover-Rochester	127.6	132.4	131.1	3.2	3.2	3.2	2.5	2.4	2.4
New Jersey¹	3,969.0	4,008.7	4,030.8	160.5	183.7	180.1	4.0	4.6	4.5
Atlantic City	169.3	174.3	175.6	11.5	13.1	11.9	6.8	7.5	6.8
Bergen-Passaic	721.0	726.3	732.0	24.5	28.3	29.2	3.4	3.9	4.0
Jersey City	270.6	272.1	274.3	17.3	20.2	19.1	6.4	7.4	7.0
Middlesex-Somerset-Hunterdon	559.5	571.2	575.1	15.4	17.6	17.5	2.8	3.1	3.1
Monmouth-Ocean	465.0	476.6	475.5	17.6	21.5	20.5	3.8	4.5	4.3
Newark	961.1	961.6	967.8	38.2	43.7	43.4	4.0	4.5	4.5
Trenton	172.6	175.1	175.4	5.5	6.1	6.0	3.2	3.5	3.4
Vineland-Millville-Bridgeton	58.2	60.1	60.5	5.0	5.5	5.3	8.5	9.2	8.8
New Mexico	673.8	673.0	691.3	56.6	47.9	50.8	8.4	7.1	7.3
Albuquerque	259.1	257.8	265.4	15.5	13.6	14.5	6.0	5.3	5.4
Las Cruces	53.8	53.6	55.3	3.9	3.4	3.9	7.2	6.4	7.1
Santa Fe	64.7	64.3	65.2	3.8	3.1	3.1	5.8	4.8	4.8

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P	Feb. 1988	Jan. 1989	Feb. 1989 ^P
New York¹	8,437.0	8,652.1	8,624.4	372.1	482.1	472.8	4.4	5.6	5.5
Albany-Schenectady-Troy	419.4	433.9	433.6	17.6	22.8	22.2	4.2	5.3	5.1
Binghamton	127.3	130.5	129.8	5.3	7.0	7.0	4.1	5.3	5.4
Buffalo	446.0	457.7	455.7	26.1	32.3	31.8	5.8	7.1	7.0
Elmira	41.3	43.4	43.5	1.9	2.3	2.4	4.5	5.2	5.5
Nassau-Suffolk	1,413.1	1,449.7	1,444.1	48.0	61.1	62.2	3.4	4.2	4.3
New York	3,883.8	3,949.8	3,928.4	155.7	210.6	201.6	4.0	5.3	5.1
New York City	3,216.0	3,264.1	3,249.3	136.0	184.6	174.6	4.2	5.7	5.4
Orange County	130.7	138.1	137.5	5.4	7.5	7.7	4.1	5.4	5.6
Poughkeepsie	127.1	130.5	131.2	3.8	5.3	5.4	3.0	4.1	4.1
Rochester	498.3	517.0	516.6	22.3	25.9	26.1	4.5	5.0	5.1
Syracuse	315.0	323.8	323.7	17.4	19.7	19.1	5.5	6.1	5.9
Utica-Rome	133.5	140.3	140.2	7.9	10.3	9.9	6.0	7.4	7.1
North Carolina¹	3,293.5	3,381.3	3,380.8	137.9	150.4	125.4	4.2	4.4	3.7
Asheville	86.2	89.0	88.5	3.5	3.6	3.0	4.0	4.1	3.3
Charlotte-Gastonia-Rock Hill	626.0	648.9	651.9	20.8	23.7	20.9	3.3	3.7	3.2
Greensboro-Winston-Salem-High Point	522.9	535.8	532.8	17.2	20.3	16.5	3.3	3.8	3.1
Raleigh-Durham	396.7	404.7	409.4	11.3	11.8	9.5	2.8	2.9	2.3
North Dakota	323.2	320.3	317.8	18.5	18.4	16.9	5.7	5.8	5.3
Bismarck	44.7	45.2	44.8	2.8	2.6	2.4	6.3	5.7	5.5
Fargo-Moorhead	84.4	85.2	84.9	3.2	3.3	3.1	3.8	3.9	3.7
Grand Forks	35.0	34.7	34.7	1.5	1.5	1.3	4.4	4.4	3.7
Ohio¹	5,298.2	5,383.9	5,379.6	375.8	369.3	317.0	7.1	6.9	5.9
Akron	326.0	329.4	332.3	24.6	23.2	20.0	7.6	7.0	6.0
Canton	190.3	193.0	192.3	15.1	13.9	12.3	7.9	7.2	6.4
Cincinnati	751.1	771.2	771.0	42.6	40.3	35.1	5.7	5.2	4.6
Cleveland	929.6	940.3	939.6	57.4	56.4	47.3	6.2	6.0	5.0
Columbus	705.9	724.3	724.4	38.1	41.7	34.8	5.4	5.8	4.8
Dayton-Springfield	469.1	475.4	475.8	28.7	27.5	23.4	6.1	5.8	4.9
Toledo	309.2	317.1	315.7	21.6	22.3	19.4	7.0	7.0	6.1
Youngstown-Warren	221.5	224.9	223.9	19.3	18.7	16.3	8.7	8.3	7.3
Oklahoma	1,535.8	1,524.8	1,515.0	114.7	101.2	102.9	7.5	6.6	6.8
Enid	29.1	28.6	27.9	2.0	1.7	1.7	6.7	6.0	6.0
Lawton	48.9	47.7	47.4	2.9	2.6	2.6	5.9	5.4	5.4
Oklahoma City	499.3	491.3	488.6	31.1	26.3	26.4	6.2	5.3	5.4
Tulsa	342.1	338.1	337.2	28.2	23.1	24.7	8.3	6.8	7.3
Oregon	1,383.5	1,422.9	1,435.8	96.1	89.9	89.3	6.9	6.3	6.2
Eugene-Springfield	138.7	143.7	146.1	8.7	8.5	9.2	6.3	5.9	6.3
Portland	634.0	653.9	660.9	34.3	30.1	30.8	5.4	4.6	4.7
Salem	128.7	131.9	133.5	9.6	8.6	8.6	7.5	6.5	6.4
Pennsylvania¹	5,671.9	5,884.4	5,814.3	335.2	292.1	281.1	5.9	5.0	4.8
Allentown-Bethlehem	318.3	330.2	329.2	16.0	15.0	14.4	5.0	4.6	4.4
Altoona	58.3	60.0	59.4	4.6	4.4	4.3	8.0	7.4	7.3
Beaver County	60.0	60.4	59.7	6.5	5.2	5.0	10.8	8.6	8.4
Erie	128.1	133.8	131.6	9.3	7.4	7.3	7.3	5.5	5.5
Harrisburg-Lebanon-Carlisle	312.6	326.0	322.7	13.8	12.3	12.2	4.4	3.8	3.8
Johnstown	93.6	97.4	95.9	8.7	7.3	7.3	9.3	7.5	7.6
Lancaster	211.3	222.0	221.0	7.6	7.7	7.0	3.6	3.5	3.2
Philadelphia	2,399.6	2,465.0	2,439.0	106.8	99.2	94.9	4.5	4.0	3.9
Pittsburgh	954.1	975.0	967.1	68.6	52.8	51.9	7.2	5.4	5.4
Reading	167.6	178.3	176.4	8.0	7.6	7.4	4.8	4.3	4.2
Scranton-Wilkes-Barre	350.2	365.4	361.2	24.4	22.3	21.1	7.0	6.1	5.8
Williamsport	58.3	60.7	60.3	4.0	3.9	4.0	6.9	6.4	6.7
York	212.7	225.5	221.6	9.4	10.3	8.5	4.4	4.6	3.9
Rhode Island	508.8	525.0	527.6	17.4	16.8	19.3	3.4	3.2	3.7
Pawtucket-Woonsocket-Attleboro	164.1	165.9	169.8	7.4	7.3	8.2	4.5	4.4	4.8
Providence	333.2	344.3	342.9	10.9	10.2	12.3	3.3	3.0	3.6
South Carolina	1,657.8	1,696.3	1,689.0	87.8	77.4	80.6	5.3	4.6	4.8
Charleston	225.0	231.3	230.1	9.9	9.0	9.1	4.4	3.9	4.0
Columbia	231.6	236.7	235.7	7.4	7.6	7.6	3.2	3.2	3.2
Greenville-Spartanburg	331.4	339.4	339.1	13.0	11.0	11.6	3.9	3.3	3.4
South Dakota	349.6	347.1	350.9	16.2	16.6	15.7	4.6	4.8	4.5
Rapid City	38.6	38.3	38.7	1.9	1.9	1.9	4.8	5.0	4.9
Sioux Falls	73.9	72.9	73.9	4.1	3.3	3.3	5.6	4.5	4.5

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		
	Feb. 1988	Jan. 1989	Feb. 1989 ^p	Feb. 1988	Jan. 1989	Feb. 1989 ^p	Feb. 1988	Jan. 1989	Feb. 1989 ^p
Tennessee	2,314.0	2,341.7	2,337.0	131.3	153.2	130.8	5.7	6.5	5.6
Chattanooga	208.5	213.4	213.5	10.6	12.5	11.2	5.1	5.9	5.3
Johnson City-Kingsport-Bristol	212.9	212.6	214.6	12.8	12.4	11.2	5.9	5.8	5.2
Knoxville	279.2	283.3	280.5	15.6	21.6	18.4	5.6	7.6	6.6
Memphis LMA	434.0	443.4	442.8	21.3	25.0	21.0	4.9	5.6	4.8
Nashville	518.6	516.9	517.2	21.7	23.9	21.3	4.2	4.6	4.1
Texas¹	8,184.4	8,188.2	8,150.4	715.5	621.8	594.0	8.7	7.6	7.3
Abilene	52.9	53.5	53.0	4.2	3.7	3.6	8.0	6.9	6.8
Amarillo	97.1	96.1	96.1	8.9	6.4	6.0	7.1	6.7	6.3
Austin	425.3	418.1	417.0	30.4	25.3	23.5	7.1	6.1	5.6
Beaumont-Port Arthur	162.0	161.1	159.1	20.4	17.6	15.9	12.6	10.9	10.0
Brazoria	80.7	82.0	81.3	7.9	6.6	6.0	9.8	8.0	7.3
Brownsville-Harlingen	97.4	97.3	97.4	16.0	12.6	12.2	16.5	12.9	12.6
Bryan-College Station	57.4	56.7	58.9	3.1	3.2	2.9	5.3	5.7	4.9
Corpus Christi	157.8	155.1	154.5	18.6	14.0	13.7	11.8	9.1	8.9
Dallas	1,432.6	1,432.5	1,420.7	96.3	84.4	80.1	6.7	5.9	5.8
El Paso	238.3	239.3	238.3	29.4	26.3	25.7	12.3	11.0	10.8
Fort Worth-Arlington	675.5	676.1	672.8	49.5	42.1	40.7	7.3	6.2	6.1
Galveston-Texas City	108.3	103.5	103.4	11.4	9.0	8.2	10.5	8.7	7.9
Houston	1,593.5	1,607.6	1,599.2	131.8	106.0	99.8	8.3	6.6	6.2
Killeen-Temple	92.3	94.3	94.3	8.0	8.1	7.7	8.7	8.5	8.2
Laredo	47.7	48.8	48.2	8.5	7.5	6.9	17.8	15.3	14.4
Longview-Marshall	78.6	78.5	77.7	8.6	7.6	7.3	11.0	9.6	9.4
Lubbock	111.5	112.5	112.8	7.1	6.1	6.1	6.3	5.5	5.4
McAllen-Edinburg-Mission	154.0	163.3	162.5	31.4	30.5	29.6	20.4	18.7	18.2
Midland	49.4	48.5	48.2	3.8	3.2	3.1	7.7	6.5	6.5
Odessa	53.6	52.4	51.7	4.8	4.6	4.5	9.0	8.8	8.7
San Angelo	44.7	44.3	44.3	2.9	3.0	2.6	6.4	6.8	5.9
San Antonio	599.2	599.1	596.6	53.9	48.0	45.8	9.0	8.0	7.7
Sherman-Denison	48.7	47.6	46.9	4.0	3.3	3.1	8.2	7.0	6.7
Texarkana	57.3	57.3	56.7	5.3	4.8	4.7	9.2	8.3	8.3
Tyler	74.8	73.8	73.7	6.6	5.6	5.5	8.9	7.6	7.4
Victoria	36.2	35.2	35.1	3.1	2.4	2.2	8.4	6.9	6.4
Waco	92.6	91.4	91.2	8.1	5.9	5.4	8.7	6.5	6.0
Wichita Falls	56.7	57.0	58.8	4.8	3.7	3.7	8.4	6.5	6.6
Utah	743.7	765.3	765.4	45.5	33.6	35.9	6.1	4.4	4.7
Provo-Orem	101.1	107.0	107.2	5.8	4.1	4.4	5.7	3.8	4.1
Salt Lake City-Ogden	488.1	500.9	500.8	27.7	20.5	22.2	5.7	4.1	4.4
Vermont	290.6	304.1	303.7	9.9	9.9	10.6	3.4	3.3	3.5
Burlington	73.3	72.8	73.8	1.6	1.6	1.7	2.1	2.2	2.3
Virginia	3,044.7	3,057.4	3,053.9	121.5	132.1	137.8	4.0	4.3	4.5
Charlottesville	67.5	65.0	67.9	1.9	2.1	2.2	2.9	3.2	3.3
Danville	51.5	52.3	51.8	3.6	3.5	3.6	7.0	6.7	6.9
Lynchburg	70.5	70.3	70.2	3.6	3.7	4.0	5.1	5.3	5.7
Norfolk-Virginia Beach-Newport News	600.8	596.7	596.2	26.1	29.7	31.2	4.3	5.0	5.2
Richmond-Petersburg	441.5	443.5	445.4	14.5	16.3	17.2	3.3	3.7	3.9
Roanoke	121.0	120.9	119.6	4.7	5.2	5.2	3.9	4.3	4.3
Washington	2,250.4	2,333.1	2,319.0	163.3	161.7	157.4	7.3	6.9	6.8
Seattle	1,009.4	1,057.2	1,051.2	54.3	52.8	51.2	5.4	5.0	4.9
West Virginia	731.0	736.3	740.9	79.9	61.6	67.9	10.9	8.4	9.2
Charleston	114.6	115.1	116.1	10.4	8.2	9.3	9.1	7.1	8.0
Huntington-Ashland	125.8	126.1	126.5	12.7	10.4	10.5	10.1	8.3	8.3
Parkersburg-Marietta	70.8	72.0	72.3	6.2	5.4	5.8	8.8	7.5	8.0
Wheeling	71.7	71.1	71.4	7.0	5.7	5.8	9.7	8.1	8.1
Wisconsin	2,505.0	2,570.7	2,587.1	144.2	119.6	127.0	5.8	4.7	4.9
Appleton-Oshkosh-Neenah	165.9	172.6	173.0	8.8	7.7	7.9	5.3	4.5	4.6
Eau Claire	71.3	72.2	73.7	4.1	3.5	3.7	5.8	4.8	5.0
Green Bay	105.5	107.3	108.0	6.1	4.8	5.0	5.8	4.5	4.6
Janesville-Beloit	71.6	74.0	74.0	4.2	3.1	3.3	5.9	4.2	4.4
Kenosha	56.1	55.3	55.7	3.0	3.5	3.9	5.4	6.3	7.1
La Crosse	54.6	57.9	58.7	2.5	2.4	2.4	4.6	4.1	4.1
Madison	216.4	221.0	222.3	7.6	6.3	6.4	3.5	2.9	2.9
Milwaukee	747.1	770.0	770.5	34.4	28.2	28.8	4.6	3.7	3.7
Racine	88.3	91.2	91.4	5.0	4.1	4.5	5.6	4.5	4.9
Wausau	80.2	62.2	63.1	4.2	3.2	3.5	7.0	5.2	5.6
Wyoming	228.0	227.2	225.8	19.2	18.2	18.0	8.4	8.0	8.0

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

² Not available.

^p = preliminary.

NOTE: Data refer to place of residence. Estimates for 1988 have been

benchmarked to 1988 Current Population Survey annual averages. Except in the 11 States designated by footnote 1, estimates for 1989 are provisional and will be revised when new benchmark information becomes available. Area definitions are published annually in the May issue of this publication.

Explanatory Notes

Introduction

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

Data based on household interviews are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed, and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of over about 55,800 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 over 300,000 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 HOUSEHOLD DATA WITH OTHER SERIES

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

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

unemployed in the household survey.

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

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

COMPARABILITY OF PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

Statistics on manufactures and business, Bureau of the Census. BLS establishment statistics on employment differ from employment counts derived by the Bureau of 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 through a scientifically selected sample designed to represent the civilian noninstitutional population. Respondents are interviewed to obtain information about the employment status of each member of the household 16 years of age and over. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, which includes the 12th of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

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

Each month about 55,800 occupied units are eligible for interview. About 2,600 of these households are visited but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of between 4 and 5 percent. In addition to the 55,800 occupied units, there are 11,500 sample units in an average month which are visited but found to be vacant or otherwise not enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from one month to the next, and one-half to be common with the same month a year earlier.

CONCEPTS AND DEFINITIONS

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

Employed persons are (a) all civilians who, during the survey week, did any work at all as paid employees, in their own business, profession, or on their own farm, or who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family; and (b) all those who

were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management disputes, or personal reasons, whether they were paid for the time off or were seeking other jobs. Members of the Armed Forces stationed in the United States are also included in the employed total.

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

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

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

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

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

Jobseekers are all unemployed persons who made

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

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

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

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

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

Employment-population ratios represent the proportion of the noninstitutional population that is employed. The *total employment-population ratio* is total employment, including the resident Armed Forces, as a percent of the noninstitutional population. The *civilian employment-population ratio* is the percentage of all employed civilians in the civilian noninstitutional population.

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

For persons not in the labor force, data on previous work experience, intentions to seek work, desire for a job at the

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

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

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

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

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

Data on employment "at work" differ from data on total employment because they exclude persons in the zero-hours-

worked category, "with a job but not at work." These are persons who were absent from their jobs for the entire week for such reasons as bad weather, vacation, illness, or involvement in a labor dispute.

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

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

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

White, black, and other are terms used to describe the race of workers. Included in the "other" group are American Indians, Alaskan Natives, and Asians and Pacific Islanders. All tables in this publication which contain racial data, with the exception of A-5 and its annual counterpart, present data for the black population group. Because of their relatively small sample size, data for "other" races are not published. In the enumeration process, race is determined by the household respondent.

Hispanic origin refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American, or of other Hispanic origin or descent. Persons of Hispanic ori-

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

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

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

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

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

Family refers to a group of two or more persons residing together who are related by birth, marriage, or adoption; all such persons are considered as members of one family even though they may include a related subfamily, that is, a married couple or a parent-child group related by birth or marriage to the householder and sharing the living quarters. The

count of families used in this publication excludes unrelated subfamilies such as lodgers, guests, or resident employees living in a household but not related to the householder. Families are classified either as married-couple families or as families maintained by women or men without spouses. A family maintained by a woman or a man is one in which the householder is either single, widowed, divorced, or married, spouse absent. Data on the earnings of families exclude all those in which there is no wage or salary earner or in which the husband, wife, or other persons maintaining the family is either self-employed or in the Armed Forces.

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

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

The *urban population*, as defined for the 1980 census, comprises all persons living in urbanized areas and in places of 2,500 or more inhabitants outside urbanized areas. More specifically, the urban population consists of all persons living in (1) places of 2,500 or more inhabitants incorporated as cities, villages, boroughs (except in Alaska and New York), and towns (except in the New England States, New York, and Wisconsin), but excluding those persons living in the rural portions of extended cities; 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 were derived from information obtained from the 1980 census, rather than the 1970 census. This change caused substantial increases in total population and estimates of persons in all labor force categories. Rates for labor force characteristics, however, remained virtually unchanged. Some 30,000 labor force series were adjusted back to 1970 to avoid major breaks in series. The adjustment procedure used is also described in the February 1982 article cited above. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979 that are described above, and data users should make allowances for them in making certain data comparisons.

Beginning in January 1983, the first-stage ratio adjustment methodology was updated to account for results obtained from the 1980 census. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in "Revisions in the Current Population Survey Beginning in January 1983" in the February 1983 issue of *Employment and Earnings*. There were only slight differences between the old and new procedures in estimates of levels for the various labor force characteristics and virtually no differences in estimates of participation rates.

Beginning in January 1985, most of the steps of the CPS estimation procedure—the noninterview adjustment, the first and second-stage ratio adjustments, and the composite

estimator—were revised. These procedures are described in the Estimating Methods section. A description of the changes and an indication of their effect on national estimates of labor force characteristics appear in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1985" in the February 1985 issue of this publication. Overall, the revisions had only a slight effect on most estimates. The greatest impact was on estimates of persons of Hispanic origin. Major estimates were revised back to January 1980.

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

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

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

The 1980 census occupational classification system evolved

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

The industrial classification system used in the 1980 census is based on the 1972 Standard Industrial Classification system (SIC), as modified in 1977. The adoption of the new system had a much less 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 mo-

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. Sample households are chosen from 729 sample areas, which represent 1,973 geographic areas in the United States. This current number of sample areas is not completely comparable to the old number of sample areas since many of the sample areas have been redefined. (See pp. 7-10 of the May 1984 issue of *Employment and Earnings*, for an overview of these new definitions and the introduction of the new sample.) A sample reduction of about 4,000 households was implemented in April 1988.

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

ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. The estimation procedure involves weighting the data from each sample person by the inverse of the probability of the person being in the sample. This gives a rough measure of the number of actual persons that the sample person represents. Beginning in 1985, almost all sample persons within the same State have the same probability of selection. These estimates are then adjusted for noninterviews, and the ratio estimation procedure is applied.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was 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

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

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

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.

each combination of sample areas there is a further breakdown by residence. MSA sample areas are categorized by "central city" and "balance of the MSA". Residence categories of non-MSA areas are "urban" and "rural". The proportion of sample households not interviewed varies from 4 to 5 percent, depending on weather, vacation, etc.

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

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

b. *Second-stage ratio estimate.* In this stage, the sample proportions of persons in specific categories are adjusted to the distribution of independent current estimates of the civilian noninstitutional population in the same categories. The second-stage ratio adjustment, which is performed to

further reduce variability of the estimates and to correct to some extent for CPS undercoverage relative to the decennial census, is carried out in three steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over. The second step involves an adjustment by Hispanic origin to a national estimate for eight age-sex categories by Hispanic and non-Hispanic. In the third step, a national adjustment is made by the race categories of white, black, and other races to independent estimates by age and sex. The white and black categories contain 32 age-sex groups each; 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 the Estimation Procedure in the Current Population Survey Beginning in January 1985" in the February 1985 issue of *Employment and Earnings*.

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

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

and emigrants to yield an estimate of the Hispanic population by age and sex.

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

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

Beginning in January 1986, two changes were introduced into the estimation of the independent population controls. For the first time, an explicit allowance for net undocumented immigration since April 1, 1980 (the census date) was added to the estimated level of legal immigration. In addition, an increase in the estimate of emigration of legal foreign-born residents has been incorporated into the 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*.

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3. *Composite estimate procedure.* In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent), as well as the sample results for the current month. Also included is an additional term which is an estimate of the net difference between incoming and continuing parts of the current month's sample. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of level are also improved, but to a lesser extent.

Rounding of estimates

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

Reliability of the estimates

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

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

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

Nonsampling errors occurring in the interview phase of the survey have been studied by means of a reinterview program. This program is used to estimate various sources of error as well as to evaluate and control the work of the interviewers. A random sample of each interviewer's work is inspected through reinterview at regular intervals. The results indicate, among other things, that the data published from the CPS are subject to moderate systematic biases. A description of the CPS reinterview program and some of the other results may be found in the *Current Population Survey Reinterview Program*,

January 1961 Through December 1966, Technical Paper No. 19, Bureau of the Census, U.S. Department of Commerce.

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

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Compared to the level of the decennial census, undercoverage is about 6 percent. It is known that the CPS undercoverage varies with age, sex, race, and Hispanic origin. Generally, undercoverage is larger for men than for women, and larger for blacks, Hispanics, and other races combined than for whites. Ratio estimation to independent age-sex-race-Hispanic 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-Hispanic 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 errors above the estimate would include the average of all possible samples.

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

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

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

Tables D through H provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table I contains factors for use with table H for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the table may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between 2 consecutive months. Estimates of change for non-consecutive 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

Table B. Standard errors for major employment status categories

(in thousands)

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

errors for quarterly estimates of persons and families for use with the CPS earnings data.

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

Illustration. Assume that in a given month the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table D shows that the standard error on an estimate of 12,000,000 is about 174,000. The 68-percent confidence interval as shown by these data is from 11,826,000 to 12,174,000. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in the first column of table E, the standard error on a month-to-month change of 400,000, when the monthly level is approximately 12,000,000, is about 129,000.

Standard errors for rates and percentages. The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends upon both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more

Table C. Standard errors for unemployment rates by major characteristics

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

reliable than the corresponding estimates of the numerator of the rates or percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are not published when the monthly base is less than 75,000, the quarterly average base is less than 60,000, or the annual average base is less than 35,000.

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

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

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

Illustration. Suppose that one is interested in the year-to-year change of a monthly unemployment rate. Assume that for a certain month the unemployment rate is 6.2 percent, based on a total of 119,865,000 in the civilian labor force, and that

Table D. Standard errors for estimates of monthly level

(in thousands)

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

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

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

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

(in thousands)

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

¹ See footnote 1, table D.

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

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

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

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

Standard error of year-to-year change =

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

X is the estimate for one quarter and Y is the estimate for another quarter. The coefficient, P, is a measure of the corre-

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

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

$$(216,000)^2 + (221,000)^2 - 2(.30) (216,000) (221,000),$$

or about 259,000.

Table F. Standard errors for unemployment rates

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

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

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

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

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

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

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

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

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

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

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

(In thousands)

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

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

COLLECTION

Payroll reports provide current information on wage and salary employment 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 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 also are excluded.

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

Indexes of diffusion of employment change (table B-7). These indexes measure the dispersion among industries of the change in employment over the specified time span. The overall indexes are calculated from 349 seasonally adjusted employment series (three-digit industries) covering all nonagricultural payroll employment in the private sector. The manufacturing diffusion indexes are based on 143 three-digit industries.

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

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

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

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

Industry hours and earnings

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

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

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

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

Payroll covers the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds, or union dues; also included is pay for overtime, holidays, vacation, and sick leave paid directly by the firm. Bonuses (unless

earned and paid regularly each pay period); other pay not earned in the pay period reported (e.g., retroactive pay); tips; and the value of free rent, fuel, meals, or other payment in kind are excluded. "Fringe benefits" (such as health and other types of insurance, contributions to retirement, etc., paid by the employer) are also excluded.

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

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

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

Indexes of aggregate weekly hours. The indexes of aggregate weekly hours are prepared by dividing the current month's aggregate by the average of the 12 monthly figures for 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 work 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 production worker, construction worker, or nonsupervisory employee definitions.

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

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

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

Railroad hours and earnings. The figures for Class I railroads (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC

group I) who received pay during the month. Average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

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

Long-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 establish-

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

Benchmark adjustments

Employment estimates are compared periodically with

benchmarks (comprehensive counts of employment) for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1987 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 98 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

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

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

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

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

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

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 1987 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.

THE SAMPLE

Design

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

Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1987

Industry	Benchmark	Estimate	Percent difference
Total	100,427	100,462	(¹)
Mining	696	718	-3.2
Construction	4,531	4,599	-1.5
Manufacturing	18,810	18,897	-5
Transportation and public utilities	5,274	5,275	(¹)
Wholesale trade	5,763	5,725	.7
Retail trade	17,902	17,737	.9
Finance, insurance, and real estate	6,443	6,478	-5
Services	23,754	23,723	.1
Government	17,254	17,310	-3

¹Less than 0.05 percent.

in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to design samples for these industries with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

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

Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1987¹

Industry	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	246,256	37,530,000	37
Mining	3,434	265,000	38
Construction	22,567	808,000	18
Manufacturing	49,214	9,522,000	51
Transportation and public utilities	11,820	2,377,000	45
Wholesale trade	21,802	956,000	17
Retail trade	44,982	3,509,000	20
Finance, insurance, and real estate	17,699	2,140,000	33
Services	54,782	5,495,000	23
Government:			
Federal	(²)	2,916,000	100
State	4,795	3,298,000	81
Local	15,161	6,244,000	61

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

² Total Federal employment counts for use in national estimates are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 4,600 reports covering about 55 percent of employment in Federal establishments.

Reliability

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

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 error ²	
		Average weekly hours	Average hourly earnings
Total	0.2	—	—
Total private . . . . .	.2	0.1	0.2
Mining	2.9	1.0	1.3
Construction	1.4	.2	.5
Manufacturing . . . . .	.8	.1	.2
Durable goods . . . . .	.9	.1	.3
Nondurable goods . . . . .	.8	.1	.2
Transportation and public utilities . . . . .	.3	.7	.6
Wholesale trade . . . . .	.8	.2	.4
Retail trade . . . . .	.9	.2	.4
Finance, insurance, and real estate . . . . .	.3	.2	.4
Services . . . . .	.2	.4	.6
Government ³ . . . . .	.5	—	—

¹ The average percent revision in employment for the 1983-87 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.

STATISTICS FOR STATES AND AREAS

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

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

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

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to 1982 data.

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.

Table Q. Errors of preliminary employment estimates

Industry	Root-mean-square error of—		Industry	Root-mean-square error of—	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Total	89,600	89,100	Nondurable goods—Continued		
Total private	62,700	60,000	Chemicals and allied products	2,700	2,900
Goods-producing industries	22,400	20,800	Petroleum and coal products	1,200	1,100
Mining	4,700	4,400	Rubber and misc. plastics products	1,600	1,700
Oil and gas extraction	4,000	3,400	Leather and leather products	1,800	1,700
Construction	14,800	15,700	Service-producing industries	86,300	85,700
General building contractors	5,000	5,200	Transportation and public utilities	15,500	13,900
Manufacturing	19,200	19,300	Transportation	17,800	17,300
Durable goods	14,400	12,700	Communication and public utilities	6,800	6,400
Lumber and wood products	2,300	2,100	Wholesale trade	9,400	8,200
Furniture and fixtures	1,700	1,700	Durable goods	6,100	5,500
Stone, clay, and glass products	1,600	1,600	Nondurable goods	5,400	4,600
Primary metal industries	4,700	4,700	Retail trade	40,700	36,100
Blast furnaces and basic steel products	3,600	3,400	General merchandise stores	23,900	21,400
Fabricated metal products	2,500	2,300	Food stores	6,900	6,200
Machinery, except electrical	6,000	7,300	Automotive dealers and service stations	3,300	3,200
Electrical and electronic equipment	5,100	5,100	Eating and drinking places	10,900	10,300
Transportation equipment	8,100	7,400	Finance, insurance, and real estate	8,400	7,500
Motor vehicles and equipment	7,000	7,000	Finance	4,000	3,900
Instruments and related products	2,000	2,200	Insurance	3,800	3,100
Miscellaneous manufacturing	1,900	1,800	Real estate	4,800	3,800
Nondurable goods	8,900	8,500	Services	34,700	31,700
Food and kindred products	5,600	5,700	Business services	11,000	10,500
Tobacco manufactures	1,600	1,500	Health services	10,300	10,100
Textile mill products	1,800	1,700	Government	62,800	54,500
Apparel and other textile products	4,700	4,100	Federal	16,900	11,700
Paper and allied products	1,600	1,400	State	22,600	20,600
Printing and publishing	2,200	2,100	Local	34,900	32,400

NOTE: Data are based on differences from December 1982 through December 1987.

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 com-

puted 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 for determining eligibility of an area for benefits under Federal programs such as the Job Training Partnership Act, the Economic Dislocation and Worker Adjustment Assistance Act, and the Urban Development Action Grant program.

Annual average data for the States and areas shown in table D are published in *Employment and Earnings* (usually the May issue). For regions, States, selected metropolitan areas, and central cities, annual average data classified by selected

demographic, social, and economic characteristics are published in the BLS bulletin, *Geographic Profile of Employment and Unemployment*.

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

ESTIMATING METHODS

Monthly labor force, employment, and unemployment estimates are prepared for the 50 States, the District of Columbia, and over 2,600 labor market areas. The

estimation methods are described below for States (and the District of Columbia) and for sub-State areas. A more detailed description of the estimation procedure is contained in the BLS document, "Manual for Developing Local Area Unemployment Statistics."

Estimates for States

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

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

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

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

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

In both the employment and unemployment rate models, an important feature is the use of a technique that allows the equations to adjust automatically to structural changes that occur. The models are termed "variable coefficient models" because they include a built-in tuning mechanism, known as the Kalman Filter, which revises a model's coefficients when

the new data that become available each month indicate that changes in the data relationships have taken place. Once the estimates are developed from the models, the unemployment level and labor force estimates are calculated.

Benchmark correction procedures. Once each year, monthly estimates for the 39 non-direct-use States and the District of Columbia are adjusted, or benchmarked, by BLS to the annual average CPS estimates. The benchmarking technique employs a procedure (called the Denton method) which adjusts the annual average of the models to equal the CPS annual average, while preserving, as much as possible, the original monthly seasonal pattern of the model estimates.

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

Estimates for sub-State areas

Sub-State monthly labor force and unemployment estimates in over 2,600 labor market areas (LMA's) are prepared in several stages.

Preliminary estimate—employment. The total civilian employment estimates are based on CES data. These "place-of-work" estimates must be adjusted to refer to place-of-residence as used in the CPS. Factors for adjusting from place-of-work to place-of-residence have been developed for several categories of employment on the basis of employment relationships at the time of the 1980 decennial census. These factors are applied to the CES estimates for the current period to obtain adjusted employment estimates, to which are added estimates for employment not represented in the CES—agriculture, nonagricultural self-employed and unpaid family workers, and private household workers.

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

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

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

Seasonal Adjustment

Over the course of a year, the size of the Nation's labor force, the levels of employment and unemployment, and other measures of labor market activity undergo sharp fluctuations due to such seasonal events as changes in weather, reduced or expanded production, harvests, major holidays, and the opening and closing of schools. Because these seasonal events follow a more or less regular pattern each year, their influence on statistical trends can be eliminated by adjusting the statistics from month to month. These adjustments make it easier to observe the cyclical and other nonseasonal movements in the series. In evaluating changes in a seasonally adjusted series, it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors but are also affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment-based data are published 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, January 1983. 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 1988 and projected data through March 1989. 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 nonsupervisory 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 unadjust-

ed 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 1988. Seasonal adjustment factors to be used for current adjustment appear in the June 1988 issue of *Employment and Earnings*.

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