



EMPLOYMENT AND EARNINGS

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

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Industry detail (final)	Mar.
Women employees detail (final)	Mar.
National data revised to reflect new benchmarks and new seasonal factors	June ¹
Revised historical national data	Supplement ²
State and area annual averages	May
Area definitions	May

State and area unemployment data

Annual averages	May
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¹ Issue varies. Latest revised data introduced June 1983.

² Month of publication varies. The latest supplement was published in July 1983.

Employment and Earnings

Vol. 30 No. 10 October 1983

Editors: Gloria Peterson Green, Rosalie K. Epstein

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Employment and Unemployment Developments, September 1983

Unemployment declined in September and total employment continued to increase. The overall unemployment rate which includes the resident Armed Forces in the labor force base was 9.1 percent, down from 9.4 percent in August, while the unemployment rate for civilian workers fell from 9.5 to 9.3 percent. Both measures have declined by about 1½ percentage points from last December's highs.

Total employment—as measured by the monthly survey of households—rose by nearly 400,000 to 103.6 million in September, continuing a strong upward trend. Nonfarm payroll employment—as measured by the monthly survey of establishments—increased by 735,000, largely reflecting the return to work of persons on strike in August. The factory workweek, a leading indicator of business activity, rose 0.4 hour in September to 40.7 hours.

Unemployment

Unemployment fell by 275,000 in September, after adjustment for seasonality, to 10.4 million, and the civilian worker unemployment rate dropped from 9.5 to 9.3 percent. Unemployment has declined by 1.6 million since last December, when 10.8 percent of the labor force was jobless.

Among the major demographic groups, the unemployment rate declined for teenagers (21.8 percent) and blacks (19.0 percent) but remained essentially unchanged for whites (8.1 percent), adult men (8.7 percent), adult women (7.8 percent), and Hispanics (13.1 percent). The improvement for black workers occurred primarily among adult men, whose rate was reduced from 18.4 to 16.9 percent. Jobless rates for blacks continued to be more than twice those of whites; the differential is greatest for teenagers, where the unemployment rate of 52.0 percent among blacks was nearly three times that for whites. (See tables A-32 and A-33.)

The median duration of unemployment was about unchanged in September, with half of the unemployed jobless for less than 9 weeks. The number of workers experiencing long-term unemployment (15 weeks and over) edged downward over the month to 3.9 million, well below the high of 4.7 million reached last December. Very long-term unemployment (27 weeks and over) held about steady, following declines in the

previous 2 months. (See table A-39.)

The number of persons who lost their last job fell 200,000 to 6.0 million in September, the lowest level since May 1982. Job losers accounted for 57 percent of the unemployed; this proportion had been as high as 62 percent last fall. Unemployment among full-time workers also continued to decline, falling from 9.4 percent in August to 9.2 percent in September, considerably below last December's recessionary high of 10.8 percent. (See tables A-40 and A-38.)

Civilian employment and the labor force

Total civilian employment (as measured through the household survey) continued to increase, rising by nearly 400,000 in September to 101.9 million (seasonally adjusted). Agricultural employment fell by 200,000, in part a reflection of the impact of drought conditions that affected many areas of the country. (See table A-31.)

Since December 1982's recession low, employment has grown by 2.9 million. This gain was about evenly divided between adult men and women with no appreciable rise for teenagers. Over the same time period, the proportion of the population with jobs (the civilian employment-population ratio) has increased by more than a percentage point to 58.4 percent.

The civilian labor force, at 112.4 million, was about unchanged in September. Over the past year, the labor force has grown by 1.7 million—about 800,000 adult men and 1.2 million adult women. The number of teenagers working or looking for work declined by about 300,000, primarily the result of a reduction in their population.

Discouraged workers

The number of discouraged workers—persons who report that they want to work but are not looking for jobs because they believe that they cannot find any—edged downward in the third quarter of 1983 to 1.6 million; this was 240,000 below the recessionary high of 1.8 million in the fourth quarter of 1982. Whites accounted for most of this improvement, as blacks continued to account for a disproportionate share of the discouraged total (31 percent). (See table A-52.)

Industry payroll employment

Nonagricultural payroll employment rose by 735,000 in September to 90.5 million, seasonally adjusted. About 675,000 of this increase, however, represented the return of employees to payrolls following settlement of strikes, chiefly that of communications workers. About 60 percent of the 186 industries in the BLS index of diffusion showed job growth in September, somewhat below the proportions of the previous 2 months. (See tables B-4 and B-7.)

Employment continued to increase in construction (30,000) and in manufacturing (70,000). Factory job pickups were essentially limited to three durable goods industries—electrical and electronic equipment (35,000, including a return to work of 20,000 strikers) and machinery and primary metals (10,000 each). Service industry employment sustained its strong growth with an increase of 60,000, the same amount as in August. Employment declined by 105,000 in retail trade, as seasonal job gains did not materialize.

Weekly hours

The average workweek of production or nonsupervisory workers on private nonfarm payrolls rose 0.2 hour in September to 35.2 hours, seasonally adjusted. Led by a large increase in transportation equipment, the manufacturing workweek rose 0.4 hour to 40.7 hours, its highest level since April 1978. Overtime hours, up 0.2 hour to 3.3 hours, were at their highest point since July 1979. (See table C-6.)

The index of aggregate weekly hours increased by 1.9 percent to 107.2 (1977=100), reflecting both the

lengthening of the average workweek and the return of striking workers. The manufacturing index advanced 1.7 percent to 91.8, due largely to the increase in the workweek. The factory index was 10.5 percent above last December's low point but still 7.9 percent below July 1981, the pre-recession peak month. (See table C-7.)

Hourly and weekly earnings

Average hourly and weekly earnings both increased substantially in September, 1.3 and 1.8 percent, respectively, seasonally adjusted. These movements are somewhat exaggerated by the return to payrolls of striking workers in high-wage industries. Prior to seasonal adjustment, average hourly earnings, which had declined 6 cents in August, rose 17 cents in September to \$8.11, up 35 cents over the year. Average weekly earnings were up \$5.20 over the month and \$16.23 since September 1982. (See tables C-1 and C-8.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 155.9 (1977=100) in September, seasonally adjusted, 0.6 percent higher than in August. For the 12 months ended in September, the increase (before seasonal adjustment) was 3.9 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in overtime in manufacturing and interindustry employment shifts. In dollars of constant purchasing power, the HEI increased 1.2 percent during the 12-month period ended in August. (See table C-8.)

**HOUSEHOLD DATA
HISTORICAL**

A-1. Employment status of the noninstitutional population 16 years and over, 1950 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												
1950	106,164	63,377	59.7	60,087	1,169	58,918	7,160	51,758	3,288	5.2	42,787	
1951	106,784	64,160	60.1	82,104	2,143	59,961	6,726	53,235	2,055	3.2	42,604	
1952	107,617	64,524	60.0	62,636	2,386	60,250	8,500	53,749	1,883	2.9	43,093	
1953 ¹	109,287	65,246	59.7	63,410	2,231	61,179	6,280	54,919	1,834	2.8	44,041	
1954	110,483	65,785	59.6	62,251	2,142	60,109	6,205	53,904	3,532	5.4	44,678	
1955	111,747	67,087	60.0	84,234	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	8,283	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	45,338	
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	67,839	1,861	65,778	5,458	60,318	3,852	5.4	47,817	
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	68,726	3,366	4.4	52,058	
1966	130,180	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288	
1967	132,092	79,565	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527	
1968	134,281	80,990	60.3	78,173	2,253	75,920	3,617	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	78,889	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	62.8	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	60,808	
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	62,087	
Monthly data, seasonally adjusted²												
1982:												
September	174,360	112,528	64.5	101,213	1,670	99,543	3,363	96,180	11,315	10.1	61,832	
October	174,549	112,420	64.4	100,844	1,668	99,176	3,413	95,763	11,576	10.3	62,129	
November	174,718	112,702	64.5	100,796	1,660	99,136	3,466	95,670	11,906	10.6	62,016	
December	174,864	112,794	64.5	100,758	1,665	99,093	3,411	95,682	12,036	10.7	62,070	
1983:												
January	175,021	112,215	64.1	100,770	1,667	99,103	3,412	95,691	11,446	10.2	62,808	
February	175,169	112,217	64.1	100,727	1,664	99,063	3,393	95,670	11,490	10.2	62,952	
March	175,320	112,148	64.0	100,767	1,664	99,103	3,375	95,729	11,381	10.1	63,172	
April	175,465	112,457	64.1	101,129	1,671	99,458	3,371	96,088	11,328	10.1	63,008	
May	175,622	112,418	64.0	101,226	1,669	99,557	3,367	96,190	11,192	10.0	63,204	
June	175,793	113,600	64.6	102,454	1,668	100,786	3,522	97,264	11,148	9.8	62,193	
July	175,970	113,539	64.5	102,949	1,664	101,285	3,527	97,758	10,590	9.3	62,431	
August	176,122	113,943	64.7	103,245	1,682	101,563	3,489	98,074	10,699	9.4	62,179	
September	176,297	114,063	64.7	103,640	1,695	101,945	3,290	98,655	10,423	9.1	62,234	

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

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

**HOUSEHOLD DATA
HISTORICAL**

A-2. Employment status of the noninstitutional population 16 years and over by sex, 1972 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											
1972 ¹	69,807	55,327	79.5	52,668	1,772	50,896	2,849	48,047	2,859	4.8	14,280
1973 ¹	71,017	56,349	79.3	54,074	1,725	52,349	2,847	49,502	2,275	4.0	14,667
1974	72,466	57,397	79.2	54,682	1,858	53,024	2,919	50,105	2,714	4.7	15,069
1975	73,891	57,899	78.4	53,457	1,800	51,657	2,624	49,032	4,442	7.7	15,993
1976	75,341	58,756	78.0	54,720	1,562	53,138	2,744	50,394	4,036	6.9	16,565
1977	76,756	59,959	78.1	56,291	1,563	54,728	2,671	52,057	3,667	6.1	16,797
1978 ¹	78,107	61,151	78.3	58,010	1,531	56,479	2,718	53,761	3,142	5.1	16,956
1979	79,509	62,215	78.2	59,096	1,469	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	6.6	17,945
1981	82,023	63,466	77.4	58,909	1,512	57,397	2,700	54,697	4,577	7.2	16,537
1982	83,052	63,979	77.0	57,800	1,529	56,271	2,738	53,534	6,179	9.7	18,073
Monthly data, seasonally adjusted²											
1982:											
September	83,231	64,301	77.3	57,596	1,526	56,072	2,707	53,365	6,703	10.4	18,930
October	83,323	64,300	77.2	57,456	1,524	55,932	2,764	53,168	8,844	10.6	19,023
November	83,402	64,414	77.2	57,408	1,518	55,892	2,793	53,099	7,006	10.9	18,988
December	83,581	64,384	77.0	57,338	1,529	55,809	2,710	53,099	7,046	10.9	19,197
1983:											
January	83,652	63,918	76.4	57,283	1,531	55,752	2,728	53,024	6,633	10.4	19,736
February	83,720	63,996	76.4	57,234	1,528	55,706	2,852	53,054	6,782	10.6	19,724
March	83,789	63,957	76.3	57,300	1,528	55,772	2,871	53,101	6,657	10.4	19,832
April	83,858	64,207	76.6	57,478	1,530	55,946	2,683	53,283	6,731	10.5	19,649
May	83,931	64,278	76.6	57,558	1,528	56,128	2,718	53,411	6,820	10.3	19,655
June	84,014	64,818	77.1	58,464	1,525	56,939	2,824	54,115	6,351	9.8	19,198
July	84,099	64,864	77.1	58,625	1,521	57,104	2,844	54,260	8,238	9.6	19,235
August	84,173	64,814	77.0	58,570	1,536	57,032	2,796	54,234	8,244	9.6	19,359
September	84,261	64,944	77.1	58,826	1,549	57,277	2,667	54,610	6,116	9.4	19,317
Annual averages											
WOMEN											
1972 ¹	76,331	33,520	43.9	31,298	41	31,257	635	30,622	2,222	6.8	42,811
1973 ¹	77,853	34,853	44.8	32,764	49	32,715	622	32,093	2,089	6.0	43,000
1974	79,375	36,274	45.7	33,832	63	33,769	596	33,173	2,441	6.7	43,101
1975	80,938	37,553	46.4	34,067	78	33,989	584	33,404	3,486	9.3	43,366
1976	82,478	39,069	47.4	35,701	86	35,615	588	35,027	3,369	8.6	43,406
1977	83,932	40,705	48.5	37,381	92	37,289	612	36,677	3,324	8.2	43,227
1978 ¹	85,434	42,731	50.0	39,669	100	39,569	669	38,900	3,061	7.2	42,703
1979	86,951	44,343	51.0	41,325	108	41,217	661	40,558	3,018	6.8	42,808
1980	88,472	45,811	51.8	42,241	124	42,117	658	41,461	3,370	7.4	42,881
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
Monthly data, seasonally adjusted²											
1982:											
September	91,129	46,227	52.9	43,615	144	43,471	856	42,815	4,612	9.6	42,902
October	91,226	46,120	52.7	43,388	144	43,244	649	42,595	4,732	9.8	43,108
November	91,316	46,288	52.9	43,388	144	43,244	873	42,571	4,900	10.1	43,028
December	91,263	46,410	53.0	43,420	136	43,284	701	42,583	4,990	10.3	42,873
1983:											
January	91,369	46,299	52.9	43,486	136	43,350	684	42,666	4,813	10.0	43,070
February	91,449	46,220	52.7	43,493	136	43,357	740	42,617	4,727	9.8	43,229
March	91,532	46,191	52.8	43,467	136	43,331	704	42,627	4,724	9.8	43,341
April	91,809	46,251	52.7	43,653	141	43,512	688	42,824	4,597	9.5	43,358
May	91,891	46,142	52.5	43,589	141	43,426	649	42,779	4,572	9.5	43,549
June	91,779	46,784	53.2	43,990	143	43,847	898	43,149	4,795	9.8	42,995
July	91,871	46,675	53.0	44,324	143	44,181	683	43,498	4,351	8.9	43,196
August	91,949	46,130	53.4	44,875	144	44,531	891	43,640	4,455	9.1	42,819
September	92,038	46,119	53.4	44,814	146	44,666	823	44,046	4,305	8.8	42,917

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-3. Employment status of the civilian noninstitutional population by age, sex, and race

(Numbers in thousands)

Age, sex, and race	September 1983										
	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	174,602	112,197	64.3	102,386	9,830	8.8	62,405	31,297	9,307	2,422	19,379
18 to 19 years	15,154	7,776	51.3	6,075	1,700	21.9	7,378	470	8,222	19	668
18 to 17 years	7,322	2,828	38.6	2,170	657	23.2	4,495	99	4,133	8	254
18 to 19 years	7,832	4,948	83.2	3,905	1,043	21.1	2,884	370	2,089	11	414
20 to 24 years	20,775	18,011	77.1	13,887	2,124	13.3	4,764	1,871	2,013	70	810
25 to 54 years	90,655	73,173	80.7	87,857	5,316	7.3	17,483	12,928	1,044	788	2,721
25 to 34 years	39,298	32,150	81.8	29,333	2,817	8.8	7,148	5,186	746	199	1,016
25 to 29 years	20,581	18,846	81.9	15,263	1,583	9.4	3,734	2,582	507	90	554
30 to 34 years	18,716	15,304	81.8	14,070	1,233	8.1	3,413	2,804	239	109	462
35 to 44 years	29,199	24,018	82.3	22,427	1,592	6.6	5,181	4,049	222	216	694
35 to 39 years	18,105	13,211	82.0	12,237	974	7.4	2,893	2,279	138	102	386
40 to 44 years	13,094	10,807	82.5	10,190	617	5.7	2,287	1,782	83	114	308
45 to 54 years	22,159	17,005	78.7	16,097	908	5.3	5,154	3,693	77	374	1,011
45 to 49 years	11,120	8,879	79.8	8,415	484	5.2	2,240	1,667	41	135	398
50 to 54 years	11,039	8,125	73.6	7,882	443	5.5	2,914	2,025	36	238	614
55 to 64 years	22,017	12,009	54.5	11,454	555	4.6	10,008	5,880	14	631	3,702
55 to 59 years	11,362	7,229	63.6	6,929	300	4.1	4,133	2,617	13	307	1,196
60 to 64 years	10,654	4,780	44.9	4,525	255	5.3	5,874	3,044	1	324	2,506
65 years and over	26,001	3,228	12.4	3,093	135	4.2	22,773	10,367	12	914	11,480
85 to 89 years	8,893	1,847	20.8	1,758	89	4.8	7,045	3,287	7	242	3,508
70 years and over	17,108	1,381	8.1	1,334	46	3.3	15,728	7,080	4	672	7,972
Men											
16 years and over	82,712	63,017	78.2	57,609	5,408	8.6	19,695	418	4,730	1,459	13,088
16 to 19 years	7,597	4,064	53.5	3,165	899	22.1	3,534	19	3,133	10	372
16 to 17 years	3,719	1,438	38.7	1,110	328	22.8	2,281	2	2,141	5	132
18 to 19 years	3,879	2,626	67.7	2,055	571	21.7	1,253	16	992	5	239
20 to 24 years	10,130	8,483	83.7	7,324	1,159	13.7	1,647	9	1,126	45	468
25 to 54 years	44,104	41,444	94.0	38,522	2,922	7.1	2,662	111	463	554	1,533
25 to 34 years	19,220	18,112	94.2	16,575	1,537	8.5	1,108	54	382	123	549
25 to 29 years	10,080	9,451	93.8	8,546	905	9.6	629	23	273	50	282
30 to 34 years	9,140	8,661	94.8	8,029	832	7.3	479	31	109	73	266
35 to 44 years	14,198	13,555	95.5	12,686	868	6.4	644	29	58	157	400
35 to 39 years	7,835	7,485	95.5	6,946	539	7.2	349	19	36	74	221
40 to 44 years	6,364	6,070	95.4	5,740	329	5.4	294	10	22	83	179
45 to 54 years	10,686	9,777	91.5	9,261	517	5.3	909	27	23	275	584
45 to 49 years	5,388	5,049	93.7	4,785	264	5.2	338	16	14	96	212
50 to 54 years	5,299	4,728	89.2	4,476	252	5.3	571	11	9	178	372
55 to 64 years	10,267	7,094	69.1	6,744	349	4.9	3,173	79	4	445	2,646
55 to 59 years	5,349	4,309	80.5	4,127	182	4.2	1,040	28	4	205	804
60 to 64 years	4,917	2,785	56.6	2,618	167	6.0	2,133	51	-	240	1,841
65 years and over	10,613	1,933	18.2	1,853	80	4.1	8,680	200	4	404	8,071
65 to 69 years	3,961	1,070	27.0	1,022	48	4.5	2,891	51	4	132	2,703
70 years and over	6,652	863	13.0	831	32	3.7	5,789	149	-	272	5,368
Women											
16 years and over	91,890	49,179	53.5	44,758	4,422	9.0	42,711	30,879	4,576	964	6,291
16 to 19 years	7,557	3,712	49.1	2,910	802	21.6	3,845	451	3,089	8	296
16 to 17 years	3,804	1,390	36.6	1,060	329	23.7	2,214	97	1,992	3	121
18 to 19 years	3,953	2,322	58.7	1,850	472	20.3	1,631	354	1,097	5	175
20 to 24 years	10,645	7,528	70.7	6,563	965	12.8	3,117	1,862	887	26	342
25 to 54 years	46,551	31,729	68.2	29,335	2,393	7.5	14,621	12,817	581	234	1,188
25 to 34 years	20,077	14,038	69.9	12,758	1,279	9.1	6,039	5,132	364	76	468
25 to 29 years	10,501	7,395	70.4	6,717	678	9.2	3,105	2,559	234	40	272
30 to 34 years	9,576	6,643	69.4	6,041	601	9.1	2,934	2,573	130	36	196
35 to 44 years	15,001	10,464	69.8	9,740	723	6.9	4,537	4,020	163	60	294
35 to 39 years	6,270	5,726	69.2	5,291	435	7.6	2,544	2,248	102	28	165
40 to 44 years	6,730	4,737	70.4	4,450	288	6.1	1,993	1,772	61	31	129
45 to 54 years	11,473	7,227	63.0	6,836	391	5.4	4,245	3,666	54	99	427
45 to 49 years	5,732	3,830	66.6	3,630	200	5.2	1,902	1,651	27	39	184
50 to 54 years	5,740	3,997	59.2	3,206	191	5.6	2,343	2,014	27	60	242
55 to 64 years	11,750	4,915	41.8	4,710	205	4.2	6,835	5,582	10	166	1,056
55 to 59 years	6,013	2,920	48.6	2,803	118	4.0	3,093	2,589	10	103	392
60 to 64 years	5,737	1,995	34.8	1,907	88	4.4	3,742	2,993	-	83	665
65 years and over	15,388	1,295	8.4	1,239	56	4.3	14,093	10,167	8	509	3,409
65 to 69 years	4,932	777	15.8	736	41	5.3	4,154	3,236	3	110	605
70 years and over	10,456	516	4.9	503	14	2.8	9,939	6,931	4	400	2,604

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-3. Employment status of the civilian noninstitutional population by age, sex, and race—Continued

(Numbers in thousands)

Age, sex, and race	September 1983										
	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	151,021	97,485	64.6	90,158	7,327	7.5	53,536	27,587	7,151	1,871	16,928
18 to 19 years	12,498	6,840	54.7	5,811	1,229	18.0	5,658	348	4,794	12	504
16 to 17 years	6,022	2,574	42.7	2,051	523	20.3	3,448	83	3,164	8	196
18 to 19 years	6,475	4,266	65.9	3,560	705	16.5	2,210	265	1,830	8	308
20 to 24 years	17,457	13,803	79.1	12,258	1,546	11.2	3,653	1,485	1,570	45	573
25 to 54 years	77,930	63,189	81.1	59,186	4,004	6.3	14,742	11,202	762	615	2,162
25 to 34 years	33,364	27,441	82.2	25,388	2,054	7.5	5,923	4,442	532	148	800
25 to 29 years	17,434	14,363	82.4	13,223	1,140	7.9	3,071	2,196	378	67	429
30 to 34 years	15,930	13,076	82.1	12,185	914	7.0	2,852	2,246	154	81	371
35 to 44 years	25,215	20,797	82.5	19,544	1,252	6.0	4,419	3,561	163	171	524
35 to 39 years	13,895	11,449	82.4	10,698	751	9.2	2,448	1,988	106	78	292
40 to 44 years	11,320	9,347	82.6	8,645	501	5.4	1,973	1,801	57	92	232
45 to 54 years	19,351	14,952	77.3	14,254	698	4.7	4,399	3,198	68	296	837
45 to 49 years	9,643	7,756	80.4	7,414	342	4.4	1,887	1,447	38	97	319
50 to 54 years	9,708	7,195	74.1	6,840	358	4.8	2,512	1,771	31	199	519
55 to 64 years	19,625	10,712	54.6	10,252	460	4.3	8,913	5,109	12	461	3,311
55 to 59 years	10,097	6,445	63.8	6,201	244	3.8	3,651	2,360	10	223	1,058
60 to 64 years	9,528	4,287	44.8	4,051	216	5.1	5,261	2,749	1	258	2,253
65 years and over	23,512	2,940	12.5	2,851	89	3.0	20,572	9,463	13	718	10,378
65 to 69 years	8,035	1,674	20.8	1,619	58	3.3	6,361	2,984	7	200	3,169
70 years and over	15,476	1,265	8.2	1,232	33	2.6	14,211	6,478	5	518	7,209
Men											
16 years and over	71,976	55,388	77.0	51,265	4,123	7.4	16,588	325	3,639	1,141	11,483
16 to 19 years	6,283	3,559	56.6	2,922	637	17.9	2,724	16	2,430	6	272
16 to 17 years	3,059	1,307	42.7	1,048	261	20.0	1,752	6	1,645	4	97
18 to 19 years	3,224	2,252	69.8	1,876	376	16.7	972	11	785	2	175
20 to 24 years	8,567	7,319	85.4	6,435	883	12.1	1,249	8	895	27	319
25 to 54 years	38,323	36,325	94.8	34,073	2,253	6.2	1,998	71	305	443	1,179
25 to 34 years	16,528	15,724	95.1	14,564	1,160	7.4	804	34	259	99	412
25 to 29 years	8,654	8,196	94.7	7,508	688	8.4	458	14	198	41	207
30 to 34 years	7,874	7,528	95.6	7,056	473	6.3	346	20	83	58	205
35 to 44 years	12,381	11,913	96.2	11,223	690	5.8	468	22	30	119	297
35 to 39 years	6,839	6,588	96.3	6,162	426	6.5	251	14	19	52	166
40 to 44 years	5,542	5,325	96.1	5,080	264	5.0	217	8	11	67	131
45 to 54 years	9,414	8,688	92.3	8,286	402	4.6	725	15	16	225	469
45 to 49 years	4,700	4,444	94.6	4,249	195	4.4	256	8	11	77	161
50 to 54 years	4,714	4,244	90.0	4,037	208	4.9	469	7	6	148	309
55 to 64 years	9,197	6,398	69.6	6,103	295	4.6	2,799	64	4	355	2,375
55 to 59 years	4,789	3,889	81.2	3,735	153	3.9	900	21	4	164	711
60 to 64 years	4,408	2,509	56.9	2,368	142	5.6	1,898	44	-	191	1,664
65 years and over	9,606	1,787	18.6	1,732	55	3.1	7,819	168	5	310	7,339
65 to 69 years	3,801	999	27.7	969	31	3.1	2,602	42	4	109	2,448
70 years and over	6,005	787	13.1	763	24	3.1	5,218	123	-	201	4,893
Women											
16 years and over	79,045	42,097	53.3	38,893	3,204	7.6	36,948	27,262	3,512	730	5,445
16 to 19 years	6,215	3,281	52.8	2,690	591	18.0	2,934	332	2,364	6	232
16 to 17 years	2,964	1,267	42.8	1,005	262	20.7	1,696	77	1,518	2	99
18 to 19 years	3,251	2,014	61.9	1,684	329	16.4	1,237	254	845	5	133
20 to 24 years	8,889	6,485	73.0	5,822	662	10.2	2,405	1,458	675	18	254
25 to 54 years	39,607	26,864	67.8	25,113	1,751	6.5	12,744	11,131	457	172	983
25 to 34 years	16,836	11,717	69.6	10,824	893	7.6	5,119	4,408	274	49	388
25 to 29 years	8,780	6,167	70.2	5,715	452	7.3	2,613	2,182	182	28	222
30 to 34 years	8,056	5,550	68.9	5,109	441	7.9	2,506	2,226	91	23	166
35 to 44 years	12,834	8,883	69.2	8,321	562	6.3	3,951	3,539	133	52	227
35 to 39 years	7,056	4,861	68.9	4,536	325	6.7	2,195	1,956	87	26	126
40 to 44 years	5,778	4,022	69.6	3,785	237	5.9	1,756	1,584	46	25	101
45 to 54 years	9,937	6,264	63.0	5,968	295	4.7	3,674	3,183	51	71	368
45 to 49 years	4,943	3,312	67.0	3,165	147	4.4	1,631	1,426	27	20	158
50 to 54 years	4,994	2,951	59.1	2,803	148	5.0	2,043	1,757	25	51	210
55 to 64 years	10,428	4,314	41.4	4,149	165	3.8	6,114	5,045	7	126	936
55 to 59 years	5,308	2,557	48.2	2,466	91	3.6	2,751	2,339	7	58	347
60 to 64 years	5,120	1,757	34.3	1,683	74	4.2	3,363	2,705	1	68	589
65 years and over	13,906	1,153	8.3	1,119	34	2.9	12,753	9,297	8	408	3,039
65 to 69 years	4,434	675	15.2	650	25	3.6	3,759	2,942	3	91	723
70 years and over	9,471	478	5.0	469	9	2.0	8,993	6,355	5	317	2,316

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

A-3. Employment status of the civilian noninstitutional population by age, sex, and race—Continued

(Numbers in thousands)

Age, sex, and race	Civilian noninstitutional population	September 1983									
		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	18,994	11,754	61.9	9,553	2,201	18.7	7,241	3,014	1,668	502	2,059
16 to 19 years	2,211	753	34.1	335	419	55.6	1,458	95	1,207	6	150
16 to 17 years	1,082	201	18.6	84	117	58.4	881	9	811	3	59
18 to 19 years	1,129	553	48.9	251	301	54.5	576	86	396	3	91
20 to 24 years	2,743	1,834	66.9	1,301	533	29.1	909	356	321	22	210
25 to 54 years	9,931	7,860	79.1	6,734	1,125	14.3	2,072	1,297	137	159	479
25 to 34 years	4,639	3,758	81.0	3,089	668	17.8	882	535	99	49	199
25 to 29 years	2,488	2,016	81.0	1,613	403	20.0	473	281	52	22	116
30 to 34 years	2,152	1,742	80.9	1,476	266	15.3	409	254	47	26	82
35 to 44 years	3,029	2,465	81.4	2,189	276	11.2	564	360	34	39	131
35 to 39 years	1,662	1,343	80.8	1,157	186	13.8	319	214	18	19	69
40 to 44 years	1,367	1,122	82.1	1,033	90	8.0	244	146	16	20	62
45 to 54 years	2,263	1,637	72.3	1,455	181	11.1	626	402	4	71	149
45 to 49 years	1,170	880	75.2	778	103	11.7	290	184	2	35	69
50 to 54 years	1,093	756	69.2	677	79	10.4	337	218	2	36	80
55 to 64 years	1,966	1,062	54.0	979	82	7.8	905	456	3	139	307
55 to 59 years	1,044	648	62.1	601	48	7.3	395	204	3	80	109
60 to 64 years	922	413	44.8	378	35	8.4	509	252	-	60	198
65 years and over	2,143	245	11.4	204	42	16.9	1,898	810	-	176	913
65 to 69 years	732	146	19.9	114	32	21.9	584	261	-	39	283
70 years and over	1,413	99	7.0	89	9	9.1	1,314	548	-	136	629
Men											
16 years and over	8,478	5,960	70.3	4,847	1,113	18.7	2,519	84	796	284	1,357
16 to 19 years	1,080	396	36.6	170	226	57.1	685	3	584	4	95
16 to 17 years	538	95	17.7	38	57	59.6	443	-	406	2	39
18 to 19 years	543	300	55.3	131	169	56.3	243	6	178	2	56
20 to 24 years	1,261	961	76.2	706	254	26.5	300	1	153	14	132
25 to 54 years	4,433	3,934	88.7	3,371	562	14.3	500	39	59	98	304
25 to 34 years	2,084	1,872	89.8	1,548	324	17.3	212	20	45	24	124
25 to 29 years	1,121	1,010	90.1	815	195	19.3	111	7	27	9	67
30 to 34 years	964	862	89.5	733	129	15.0	101	13	18	14	56
35 to 44 years	1,347	1,217	90.4	1,075	142	11.6	130	7	12	31	80
35 to 39 years	741	671	90.6	577	94	14.1	70	4	7	17	42
40 to 44 years	606	546	90.0	499	47	8.7	60	3	5	14	38
45 to 54 years	1,002	844	84.3	747	97	11.4	157	12	2	43	100
45 to 49 years	520	449	86.4	393	56	12.4	71	8	1	16	45
50 to 54 years	482	395	82.0	354	41	10.4	87	4	-	27	55
55 to 64 years	856	550	64.2	502	48	8.7	307	10	-	82	215
55 to 59 years	454	341	75.2	317	25	7.2	113	5	-	37	71
60 to 64 years	402	208	51.8	185	23	11.2	194	5	-	45	145
65 years and over	849	121	14.3	98	23	19.3	728	31	-	86	611
65 to 69 years	307	56	18.4	41	15	(¹)	250	8	-	21	220
70 years and over	543	65	11.9	56	8	(¹)	478	23	-	64	391
Women											
16 years and over	10,515	5,794	55.1	4,706	1,088	18.8	4,722	2,929	872	218	701
16 to 19 years	1,131	358	31.7	165	193	53.9	773	92	623	2	55
16 to 17 years	544	106	19.4	45	61	57.3	439	12	405	1	20
18 to 19 years	586	252	43.0	120	132	52.4	334	80	218	1	35
20 to 24 years	1,482	873	58.9	594	279	31.9	609	355	168	8	78
25 to 54 years	5,498	3,926	71.4	3,363	563	14.3	1,572	1,258	78	61	175
25 to 34 years	2,555	1,885	73.8	1,541	344	18.3	669	515	54	25	75
25 to 29 years	1,367	1,006	73.6	798	208	20.6	362	274	25	13	49
30 to 34 years	1,188	880	74.1	743	137	15.6	308	241	29	12	26
35 to 44 years	1,682	1,248	74.2	1,114	134	10.8	434	353	22	8	51
35 to 39 years	921	672	72.9	580	92	13.6	249	210	11	2	27
40 to 44 years	761	576	75.8	534	43	7.4	184	143	11	6	24
45 to 54 years	1,261	793	62.8	708	85	10.7	469	390	2	28	49
45 to 49 years	650	431	66.3	385	47	10.8	219	176	1	19	24
50 to 54 years	611	361	59.1	323	38	10.5	250	214	2	9	25
55 to 64 years	1,110	512	46.1	478	34	6.7	598	446	3	57	92
55 to 59 years	590	307	52.1	284	23	7.5	283	199	3	43	38
60 to 64 years	520	205	39.4	194	12	5.6	315	247	-	15	53
65 years and over	1,294	124	9.6	106	18	14.7	1,170	779	-	90	302
65 to 69 years	425	90	21.2	73	17	18.6	334	253	-	18	63
70 years and over	870	34	3.9	33	1	(¹)	836	525	-	72	238

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-4. Employment status of the black-and-other civilian noninstitutional population by age and sex

(Numbers in thousands)

Age and sex	September 1983								Not in labor force	
	Civilian noninstitutional population	Civilian labor force						Percent of labor force		
		Total	Percent of population	Employed			Unemployed			
				Total	Agriculture	Nonagricultural industries	Number			
TOTAL										
16 years and over	23,581	14,712	62.4	12,209	311	11,898	2,503	17.0	8,869	
18 to 19 years	2,856	936	35.2	464	20	444	472	50.4	1,721	
16 to 17 years	1,300	254	19.5	119	4	115	134	52.9	1,047	
18 to 19 years	1,356	682	50.3	345	15	330	338	49.5	674	
20 to 24 years	3,319	2,208	66.5	1,630	39	1,590	578	26.2	1,111	
25 to 54 years	12,724	9,983	78.5	8,871	160	8,511	1,312	13.1	2,742	
25 to 34 years	5,933	4,709	79.4	3,945	49	3,896	763	16.2	1,225	
25 to 29 years	3,146	2,483	78.9	2,041	30	2,010	444	17.9	663	
30 to 34 years	2,787	1,205	43.2	1,905	18	1,886	320	26.6	561	
35 to 44 years	3,984	3,222	80.9	2,683	65	2,818	339	10.5	762	
35 to 39 years	2,209	1,762	79.8	1,539	31	1,507	223	12.7	448	
40 to 44 years	1,775	1,460	82.3	1,345	34	1,311	116	7.9	314	
45 to 54 years	2,808	2,053	73.1	1,843	45	1,797	210	10.2	756	
45 to 49 years	1,477	1,123	76.0	1,001	25	976	122	10.9	355	
50 to 54 years	1,331	930	69.9	842	20	822	88	9.5	401	
55 to 84 years	2,392	1,297	54.2	1,202	61	1,142	95	7.3	1,095	
55 to 59 years	1,266	784	61.9	728	37	691	55	7.0	482	
60 to 64 years	1,126	513	45.6	474	24	450	39	7.7	613	
65 years and over	2,489	288	11.6	242	32	210	47	18.1	2,201	
65 to 89 years	857	174	20.3	140	18	124	34	19.5	684	
70 years and over	1,832	115	7.0	103	16	86	16	13.9	1,517	
Men										
16 years and over	10,736	7,629	71.1	6,344	258	8,088	1,285	16.8	3,107	
18 to 19 years	1,315	505	38.4	243	14	230	261	51.8	810	
16 to 17 years	860	131	19.9	64	3	81	67	50.9	529	
18 to 19 years	855	374	57.1	179	10	169	195	52.1	281	
20 to 24 years	1,563	1,164	74.5	889	37	853	275	23.8	399	
25 to 54 years	5,782	5,118	88.5	4,449	134	4,315	669	13.1	664	
25 to 34 years	2,692	2,388	88.7	2,010	40	1,970	377	15.8	304	
25 to 29 years	1,426	1,255	88.0	1,038	25	1,012	218	17.3	171	
30 to 34 years	1,266	1,133	89.5	973	14	958	160	14.1	133	
35 to 44 years	1,817	1,642	90.3	1,464	60	1,404	178	10.8	176	
35 to 39 years	995	897	90.1	784	31	752	113	12.8	99	
40 to 44 years	822	745	90.6	680	28	652	65	8.7	77	
45 to 54 years	1,273	1,089	85.8	975	34	941	114	10.5	184	
45 to 49 years	688	605	88.0	536	22	514	69	11.4	83	
50 to 54 years	585	484	82.7	439	11	428	45	9.3	101	
55 to 64 years	1,070	895	83.6	841	47	794	54	7.8	374	
55 to 59 years	560	420	75.0	391	28	363	29	6.8	140	
60 to 64 years	509	275	54.0	250	19	231	26	9.3	234	
65 years and over	1,007	148	14.5	121	26	95	25	16.9	680	
65 to 69 years	360	71	19.7	54	10	44	17	(¹)	289	
70 years and over	647	75	11.6	68	16	51	7	9.8	571	
Women										
16 years and over	12,845	7,083	55.1	5,864	54	5,810	1,218	17.2	5,762	
18 to 19 years	1,342	431	32.1	221	6	215	210	48.8	911	
16 to 17 years	640	122	19.1	55	1	54	67	55.0	518	
18 to 19 years	702	309	44.0	168	5	181	143	46.3	393	
20 to 24 years	1,756	1,043	59.4	740	3	738	303	29.0	712	
25 to 54 years	6,842	4,865	70.1	4,222	26	4,196	643	13.2	2,078	
25 to 34 years	3,241	2,321	71.8	1,935	9	1,926	366	16.6	920	
25 to 29 years	1,720	1,228	71.4	1,003	5	998	226	18.4	492	
30 to 34 years	1,521	1,093	71.9	932	4	928	160	14.7	428	
35 to 44 years	2,166	1,580	72.9	1,419	5	1,414	161	10.2	586	
35 to 39 years	1,214	865	71.2	755	-	755	110	12.7	349	
40 to 44 years	953	715	75.1	665	6	659	51	7.1	237	
45 to 54 years	1,535	964	62.8	868	12	856	96	9.9	572	
45 to 49 years	789	518	65.6	465	3	462	53	10.2	272	
50 to 54 years	746	446	59.8	403	9	394	43	9.7	300	
55 to 64 years	1,322	601	45.5	561	14	547	40	6.7	721	
55 to 59 years	705	363	51.5	337	9	328	26	7.3	342	
60 to 64 years	617	238	38.6	224	5	219	14	5.8	379	
65 years and over	1,482	142	9.6	120	6	114	22	15.3	1,340	
65 to 69 years	497	103	20.6	86	6	80	17	16.3	395	
70 years and over	985	40	4.0	35	-	35	5	(¹)	946	

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

A-5. Employment status of the civilian noninstitutional population by race, sex, and age

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sépt. 1982	Sept. 1983	Sept. 1982	Sept. 1983
TOTAL								
Civilian noninstitutional population	172,690	174,602	73,867	75,115	83,152	84,333	15,871	15,154
Civilian labor force	110,546	112,197	58,149	58,954	44,308	45,467	8,089	7,776
Percent of population	64.0	64.3	78.7	78.5	53.3	53.9	51.6	51.3
Employed	99,851	102,366	53,212	54,444	40,487	41,847	6,152	6,075
Agriculture	3,612	3,542	2,579	2,587	663	643	370	312
Nonagricultural industries	96,239	98,825	50,633	51,857	39,824	41,204	5,782	5,764
Unemployed	10,695	9,830	4,937	4,510	3,821	3,620	1,937	1,700
Unemployment rate	9.7	8.8	8.5	7.6	8.6	8.0	23.9	21.9
Not in labor force	62,144	62,405	15,718	16,161	38,844	38,868	7,582	7,378
White								
Civilian noninstitutional population	149,652	151,021	64,801	65,693	71,869	72,830	12,982	12,498
Civilian labor force	96,346	97,485	51,315	51,829	37,904	38,816	7,127	6,840
Percent of population	64.4	64.6	79.2	78.9	52.7	53.3	54.9	54.7
Employed	88,175	90,158	47,493	48,343	35,035	36,203	5,647	5,611
Agriculture	3,385	3,231	2,402	2,344	635	595	348	292
Nonagricultural industries	84,790	86,927	45,091	45,999	34,400	35,609	5,298	5,319
Unemployed	8,171	7,327	3,822	3,486	2,869	2,612	1,480	1,229
Unemployment rate	8.5	7.5	7.4	6.7	7.6	6.7	20.8	18.0
Not in labor force	53,306	53,538	13,486	13,864	33,964	34,015	5,855	5,658
Black								
Civilian noninstitutional population	18,659	18,994	7,222	7,398	9,194	9,385	2,243	2,211
Civilian labor force	11,433	11,754	5,388	5,565	5,255	5,436	790	753
Percent of population	61.3	61.9	74.6	75.2	57.2	57.9	35.2	34.1
Employed	9,199	9,553	4,416	4,677	4,400	4,541	382	335
Agriculture	165	219	127	178	16	24	21	17
Nonagricultural industries	9,034	9,334	4,289	4,499	4,384	4,517	361	318
Unemployed	2,235	2,201	972	888	855	895	408	419
Unemployment rate	19.5	18.7	18.0	16.0	16.3	16.5	51.6	55.6
Not in labor force	7,225	7,241	1,833	1,834	3,939	3,949	1,453	1,458

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-6. Employment status of the civilian noninstitutional population 16 to 21 years of age by major activity, sex, and race

(Numbers in thousands)

Employment status and major activity	September 1983								
	Total			White			Black		
	Both sexes	Men	Women	Both sexes	Men	Women	Both sexes	Men	Women
TOTAL									
Civilian noninstitutional population	23,194	11,513	11,680	19,228	9,569	9,659	3,310	1,591	1,719
Civilian labor force	13,670	7,119	6,551	11,908	6,173	5,735	1,446	761	685
Percent of population	58.9	61.8	56.1	61.9	64.5	59.4	43.7	47.8	39.9
Employed	11,044	5,713	5,331	10,020	5,167	4,852	781	404	377
Agriculture	519	437	81	479	403	76	33	30	3
Nonagricultural industries	10,526	5,275	5,250	9,541	4,764	4,777	747	373	374
Unemployed	2,626	1,406	1,220	1,889	1,006	882	665	357	308
Looking for full-time work	1,632	922	710	1,089	619	471	502	276	227
Looking for part-time work	993	484	509	799	388	412	163	81	82
Percent of labor force	19.2	19.8	18.6	15.9	16.3	15.4	46.0	46.9	45.0
Not in labor force	9,524	4,394	5,129	7,320	3,396	3,924	1,864	830	1,034
Major activity: Going to school									
Civilian noninstitutional population	11,407	5,757	5,651	9,340	4,736	4,604	1,689	812	877
Civilian labor force	3,976	1,974	2,002	3,589	1,782	1,807	286	136	150
Percent of population	34.9	34.3	35.4	38.4	37.6	39.3	16.9	16.8	17.0
Employed	3,068	1,507	1,562	2,856	1,403	1,453	138	61	77
Agriculture	122	109	13	118	105	13	4	4	-
Nonagricultural industries	2,946	1,397	1,549	2,737	1,297	1,440	134	57	77
Unemployed	907	467	440	733	379	354	148	76	73
Looking for full-time work	75	43	32	57	32	25	18	11	7
Looking for part-time work	832	424	408	676	347	329	130	64	66
Percent of labor force	22.8	23.7	22.0	20.4	21.3	19.6	51.9	55.9	48.7
Not in labor force	7,431	3,783	3,649	5,751	2,954	2,797	1,404	677	727
Major activity: Other									
Civilian noninstitutional population	11,787	5,757	6,030	9,888	4,833	5,055	1,620	778	842
Civilian labor force	9,694	5,145	4,549	8,319	4,392	3,928	1,160	624	536
Percent of population	82.2	89.4	75.4	84.1	90.9	77.7	71.6	80.2	63.6
Employed	7,976	4,206	3,770	7,164	3,764	3,400	643	343	300
Agriculture	396	328	68	360	298	63	29	26	3
Nonagricultural industries	7,579	3,878	3,702	6,804	3,467	3,337	614	317	297
Unemployed	1,719	939	780	1,155	627	528	517	281	235
Looking for full-time work	1,557	879	679	1,032	587	445	484	265	219
Looking for part-time work	161	60	101	123	40	83	33	17	16
Percent of labor force	17.7	18.2	17.1	13.9	14.3	13.4	44.5	45.0	43.9
Not in labor force	2,092	612	1,480	1,569	442	1,127	460	154	306

A-7. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	Sept. 1982	Sept. 1983	Total		Employed		Unemployed			
			Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Number		Percent of labor force	
							Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983
VETERANS										
Total, 25 years and over	8,711	7,853	8,210	7,350	7,589	6,867	621	483	7.6	6.6
25 to 39 years	7,088	5,781	6,790	5,536	6,245	5,137	545	399	8.0	7.2
25 to 29 years	1,152	635	1,090	596	965	527	125	69	11.5	11.6
30 to 34 years	2,847	2,063	2,719	1,959	2,490	1,810	229	149	8.4	7.6
35 to 39 years	3,089	3,083	2,981	2,981	2,790	2,800	191	181	6.4	6.1
40 years and over	1,623	2,072	1,420	1,814	1,344	1,730	76	84	5.4	4.6
NONVETERANS										
Total, 25 to 39 years	18,415	20,223	17,440	19,070	15,843	17,522	1,597	1,548	9.2	8.1
25 to 29 years	8,225	8,751	7,748	8,211	6,926	7,471	822	740	10.6	9.0
30 to 34 years	6,079	6,902	5,782	6,532	5,298	6,071	484	461	8.4	7.1
35 to 39 years	4,111	4,570	3,910	4,327	3,619	3,980	291	347	7.4	8.0

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 have never served in the Armed Forces; published data

are limited to those 25 to 39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-8. Full- and part-time status of the civilian labor force by sex, age, and race

(Numbers in thousands)

Sex, age, and race	September 1983								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Total, 16 years and over	96,034	82,139	5,841	8,055	8.4	16,162	14,387	1,776	11.0
16 to 19 years	3,728	2,131	719	878	23.5	4,047	3,225	823	20.3
16 to 17 years	454	219	105	129	28.5	2,374	1,846	528	22.2
18 to 19 years	3,275	1,912	614	748	22.9	1,673	1,379	295	17.6
20 years and over	92,306	80,008	5,121	7,177	7.8	12,115	11,162	953	7.9
20 to 24 years	13,611	10,482	1,288	1,841	13.5	2,400	2,117	283	11.8
25 years and over	78,696	69,526	3,834	5,337	6.8	9,715	9,045	669	6.9
25 to 54 years	66,618	58,606	3,217	4,796	7.2	8,558	6,035	521	7.9
55 years and over	12,078	10,921	616	541	4.5	3,159	3,011	148	4.7
Men, 16 years and over	57,876	50,517	2,657	4,702	8.1	5,141	4,435	707	13.7
16 to 19 years	2,124	1,268	356	500	23.5	1,940	1,541	399	20.5
20 years and over	55,752	49,249	2,301	4,202	7.5	3,202	2,894	308	9.6
20 to 24 years	7,492	5,825	641	1,027	13.7	991	859	131	13.3
25 years and over	48,259	43,425	1,660	3,174	6.6	2,211	2,034	177	8.0
25 to 54 years	40,545	36,327	1,402	2,817	6.9	899	793	106	11.8
55 years and over	7,714	7,098	258	357	4.6	1,312	1,241	71	5.4
Women, 16 years and over	38,158	31,622	3,184	3,353	8.8	11,021	9,952	1,069	9.7
16 to 19 years	1,604	863	364	377	23.5	2,108	1,684	424	20.1
20 years and over	36,554	30,759	2,820	2,975	8.1	8,913	8,268	645	7.2
20 to 24 years	6,118	4,657	648	814	13.3	1,410	1,258	152	10.8
25 years and over	30,435	26,101	2,172	2,161	7.1	7,504	7,011	493	6.6
25 to 54 years	26,072	22,279	1,815	1,978	7.6	5,657	5,241	415	7.3
55 years and over	4,363	3,823	357	183	4.2	1,848	1,769	77	4.2
White									
Men, 16 years and over	50,825	45,086	2,185	3,554	7.0	4,562	3,993	569	12.5
16 to 19 years	1,808	1,163	326	318	17.6	1,751	1,432	319	18.2
20 years and over	49,018	43,923	1,859	3,236	6.6	2,811	2,561	251	8.9
20 to 24 years	6,456	5,176	512	768	11.9	862	746	116	13.4
25 years and over	42,562	38,747	1,347	2,468	5.8	1,949	1,815	134	6.9
25 to 54 years	35,578	32,275	1,132	2,171	6.1	748	667	81	10.8
55 years and over	6,984	6,472	215	296	4.2	1,201	1,148	53	4.4
Women, 16 years and over	32,048	27,177	2,574	2,298	7.2	10,049	9,142	906	9.0
16 to 19 years	1,357	803	305	249	18.3	1,924	1,581	342	17.8
20 years and over	30,691	26,373	2,269	2,049	6.7	8,125	7,561	564	6.9
20 to 24 years	5,240	4,170	537	533	10.2	1,245	1,116	129	10.4
25 years and over	25,451	22,204	1,732	1,515	6.0	6,880	6,445	435	6.3
25 to 54 years	21,649	18,819	1,452	1,378	6.4	5,215	4,841	373	7.2
55 years and over	3,803	3,385	280	137	3.6	1,665	1,604	62	3.7
Black									
Men, 16 years and over	5,530	4,128	400	1,001	18.1	430	318	112	26.1
16 to 19 years	262	77	25	160	61.1	134	68	66	49.3
20 years and over	5,268	4,051	375	841	16.0	297	250	47	15.7
20 to 24 years	869	518	108	243	28.0	92	80	11	12.4
25 years and over	4,399	3,532	267	598	13.6	204	170	38	18.6
25 to 54 years	3,825	3,050	229	544	14.2	108	91	20	18.5
55 years and over	574	482	38	54	9.4	96	79	18	18.8
Women, 16 years and over	5,060	3,564	541	955	18.9	733	601	132	18.0
16 to 19 years	222	48	50	124	56.1	136	68	68	50.2
20 years and over	4,839	3,517	491	831	17.2	597	533	64	10.7
20 to 24 years	751	387	106	259	34.4	122	102	20	16.6
25 years and over	4,089	3,130	387	554	13.6	474	431	44	9.3
25 to 54 years	3,612	2,758	322	533	14.8	314	283	31	9.9
55 years and over	477	372	65	21	4.5	160	148	13	8.1

¹ Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-9. Employment status of the civilian noninstitutional population by family relationship

(Numbers in thousands)

Family relationship	September 1983									
	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	112,197	64.3	102,366	9,830	8.8	62,405	31,297	9,307	2,422	19,379
Husbands	39,908	79.7	37,889	2,019	5.1	10,175	156	178	842	8,998
With employed wife	22,836	91.8	21,801	1,034	4.5	2,046	76	87	288	1,594
With unemployed wife	1,613	91.7	1,370	244	15.1	146	-	8	23	114
With wife not in labor force	15,459	65.9	14,718	741	4.8	7,983	80	83	531	7,290
Wives	26,640	53.2	24,881	1,759	6.6	23,443	20,596	365	252	2,230
With employed husband	23,171	61.2	21,801	1,370	5.9	14,718	13,394	305	75	943
With unemployed husband	1,278	63.3	1,034	244	19.1	741	668	17	8	48
With husband not in labor force	2,191	21.5	2,046	146	8.8	7,983	6,534	42	188	1,239
Relatives in married-couple families	13,585	60.8	11,354	2,231	16.4	8,765	886	5,955	304	1,621
16 to 19 years	5,273	50.9	4,287	987	18.7	5,080	118	4,561	7	395
20 to 24 years	5,349	74.6	4,538	812	15.2	1,824	168	1,251	35	371
25 years and over	2,962	61.4	2,529	433	14.6	1,861	600	143	263	855
Women who maintain families	5,833	60.5	5,139	694	11.9	3,805	2,894	155	126	631
Relatives in families maintained by women	5,113	59.1	3,929	1,184	23.2	3,535	782	1,541	260	952
16 to 19 years	1,296	46.1	844	451	34.8	1,517	85	1,213	9	210
20 to 24 years	1,665	75.3	1,272	393	23.6	546	128	265	21	135
25 years and over	2,153	59.4	1,813	340	15.8	1,472	571	64	230	607
Men who maintain families	1,756	73.2	1,598	158	9.0	642	30	39	72	500
Relatives in families maintained by men	1,576	60.1	1,298	278	17.6	1,047	379	351	62	255
16 to 19 years	297	50.4	207	90	30.2	293	19	249	-	24
20 to 24 years	481	76.6	397	83	17.4	146	37	76	2	31
25 years and over	798	56.8	693	105	13.2	608	322	26	60	200
Persons living alone	10,502	53.4	9,772	729	6.9	9,175	4,985	212	409	3,570
Men	5,555	72.2	5,062	493	8.9	2,134	139	138	164	1,693
Women	4,947	41.3	4,710	236	4.8	7,041	4,846	74	245	1,877
All others ¹	7,284	80.0	6,506	778	10.7	1,818	589	511	95	622

¹ The majority of these persons are living with nonrelatives. Also included are persons in married-couple families where the husband is in

the Armed Forces, persons in secondary families, and some whose family status is unknown.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-10. Unemployed persons by marital status, sex, age, and race

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983
Total, 16 years and over	5,961	5,408	9.6	8.6	4,734	4,422	9.8	9.0
Married, spouse present	2,546	2,140	6.2	5.2	2,036	1,869	7.7	6.9
Widowed, divorced, or separated	677	676	12.1	11.6	912	895	9.8	9.5
Single (never married)	2,737	2,593	17.4	15.9	1,786	1,657	14.4	13.2
White, 16 years and over	4,610	4,123	8.4	7.4	3,561	3,204	8.6	7.6
Married, spouse present	2,122	1,773	5.7	4.8	1,682	1,573	7.1	6.5
Widowed, divorced, or separated	484	503	10.6	10.4	676	615	9.0	8.1
Single (never married)	2,004	1,848	15.0	13.5	1,203	1,015	11.7	9.9
Black, 16 years and over	1,189	1,113	20.5	18.7	1,046	1,088	18.6	18.8
Married, spouse present	338	291	11.4	9.7	284	233	13.0	10.5
Widowed, divorced, or separated	182	155	20.1	18.1	217	252	13.3	15.4
Single (never married)	668	668	34.8	31.6	546	603	29.8	31.3
Total, 25 years and over	3,594	3,351	7.2	6.6	2,815	2,655	7.6	7.0
Married, spouse present	2,241	1,939	5.8	5.0	1,642	1,520	7.0	6.3
Widowed, divorced, or separated	634	637	11.9	11.5	798	765	9.1	8.6
Single (never married)	718	775	12.0	12.1	375	371	8.2	7.8
White, 25 years and over	2,808	2,603	6.4	5.8	2,155	1,950	6.8	6.0
Married, spouse present	1,853	1,585	5.4	4.6	1,351	1,268	6.5	5.9
Widowed, divorced, or separated	449	467	10.3	10.2	594	513	8.5	7.1
Single (never married)	505	550	10.0	10.5	209	168	5.9	4.6
Black, 25 years and over	676	634	15.3	13.8	579	616	13.3	13.5
Married, spouse present	307	284	11.0	10.0	226	196	11.6	9.6
Widowed, divorced, or separated	173	149	19.8	17.9	192	231	12.3	14.5
Single (never married)	196	201	25.9	21.9	162	189	19.4	20.4

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983
Total, 16 years and over	10,695	9,830	9.7	8.8	9.6	8.6	9.8	9.0
Managerial and professional specialty	868	782	3.6	3.2	(¹)	3.0	(¹)	3.5
Executive, administrative, and managerial	408	382	3.7	3.4	(¹)	2.9	(¹)	4.3
Professional specialty	460	399	3.5	3.0	(¹)	3.0	(¹)	3.0
Technical, sales, and administrative support	2,097	1,986	6.4	5.9	(¹)	4.6	(¹)	6.6
Technicians and related support	149	154	4.8	4.8	(¹)	5.1	(¹)	4.6
Sales occupations	733	762	6.1	6.0	(¹)	3.7	(¹)	8.3
Administrative support, including clerical	1,215	1,070	6.8	6.1	(¹)	5.9	(¹)	6.1
Service occupations	1,668	1,712	11.0	10.8	(¹)	11.0	(¹)	10.7
Private household	72	77	6.5	7.2	(¹)	(¹)	(¹)	7.0
Protective service	117	118	6.8	6.7	(¹)	5.9	(¹)	10.8
Service, except private household and protective	1,480	1,517	12.0	11.7	(¹)	12.6	(¹)	11.2
Precision production, craft, and repair	1,328	1,236	10.1	8.9	(¹)	8.7	(¹)	10.9
Mechanics and repairers	297	296	7.2	6.4	(¹)	6.4	(¹)	8.3
Construction trades	669	563	14.3	11.2	(¹)	11.1	(¹)	19.7
Other precision production, craft, and repair	361	378	8.4	8.7	(¹)	8.1	(¹)	10.6
Operators, fabricators, and laborers	3,210	2,472	16.4	13.2	(¹)	12.9	(¹)	14.0
Machine operators, assemblers, and inspectors	1,696	1,168	18.3	12.9	(¹)	12.0	(¹)	14.1
Transportation and material moving occupations	531	477	10.9	10.0	(¹)	10.0	(¹)	10.0
Handlers, equipment cleaners, helpers, and laborers	983	828	18.0	17.0	(¹)	17.3	(¹)	15.4
Construction laborers	194	161	25.7	21.4	(¹)	20.9	(¹)	(¹)
Other handlers, equipment cleaners, helpers, and laborers	789	666	16.8	16.2	(¹)	16.5	(¹)	14.8
Farming, forestry, and fishing	271	344	6.3	8.2	(¹)	8.0	(¹)	9.2
No previous work experience	1,268	1,225	-	-	-	-	-	-
16 to 19 years	915	822	-	-	-	-	-	-
20 to 24 years	201	263	-	-	-	-	-	-
25 years and over	152	141	-	-	-	-	-	-

¹ Data for 1982 are not shown because they do not meet reliability standards for publication.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-12. Unemployed persons by industry and sex

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983
Total, 16 years and over	10,695	9,830	9.7	8.8	9.6	8.6	9.8	9.0
Nonagricultural private wage and salary workers	8,106	7,263	10.0	8.8	10.2	8.9	9.8	8.6
Mining	165	146	15.2	14.4	17.1	16.0	3.8	7.3
Construction	874	781	17.2	14.3	17.2	14.4	17.4	12.5
Manufacturing	2,867	2,051	12.8	9.5	11.7	8.8	15.1	10.7
Durable goods	1,865	1,297	14.0	10.2	13.2	9.9	16.0	11.0
Lumber and wood products	85	67	12.7	9.8	11.7	9.1	17.2	15.1
Furniture and fixtures	101	63	18.3	11.6	16.8	11.6	21.2	11.6
Stone, clay, and glass products	84	51	14.1	8.7	13.6	9.6	15.9	6.1
Primary metal industries	272	160	24.4	16.4	23.7	16.0	30.5	19.3
Fabricated metal products	224	194	16.4	13.2	16.0	13.6	17.7	11.8
Machinery, except electrical	390	254	13.8	9.8	13.8	9.6	14.1	10.7
Electrical machinery, equipment, and supplies	275	169	10.7	7.2	7.8	5.0	14.3	9.9
Transportation equipment	289	225	13.6	9.4	12.1	9.2	20.3	10.3
Automobiles	180	111	17.3	9.8	14.8	8.7	29.3	14.9
Other transportation equipment	110	114	10.2	9.1	9.6	9.7	12.6	6.4
Professional and photographic equipment	59	44	8.7	6.6	7.2	5.1	10.6	8.8
Other durable goods industries	86	71	10.2	14.4	6.9	12.8	15.3	15.8
Nondurable goods	1,002	754	11.1	8.5	8.8	6.9	14.1	10.5
Food and kindred products	234	191	11.7	10.3	9.9	8.2	14.9	14.6
Textile mill products	132	65	17.6	8.3	13.9	5.8	21.2	10.7
Apparel and other textile products	199	122	15.1	9.2	10.1	10.0	16.4	9.0
Paper and allied products	60	40	8.0	5.7	7.2	3.6	11.0	12.1
Printing and publishing	118	120	7.4	7.2	7.8	7.1	7.0	7.4
Chemicals and allied products	90	68	7.2	5.8	4.8	5.1	13.0	7.3
Rubber and miscellaneous plastics products	98	77	13.0	9.6	11.8	7.0	15.1	14.4
Other nondurable goods industries	69	71	11.6	11.6	9.4	9.6	14.1	15.2
Transportation and public utilities	376	372	6.5	6.6	6.9	7.2	5.3	4.7
Transportation	310	293	9.5	7.5	10.1	8.2	7.0	5.1
Communications and other public utilities	66	79	2.6	3.1	1.9	3.0	4.0	3.3
Wholesale and retail trade	1,983	1,940	9.6	9.1	8.4	7.7	10.9	10.6
Wholesale trade	302	282	7.3	6.4	6.8	5.6	8.7	8.5
Retail trade	1,681	1,658	10.1	9.8	8.9	8.6	11.2	10.8
Finance, insurance, and real estate	284	294	4.9	4.8	4.6	4.4	5.1	5.0
Service industries	1,558	1,678	7.7	7.9	8.1	8.7	7.5	7.4
Professional services	612	699	5.2	5.7	4.8	5.8	5.4	5.7
Other service industries	946	979	11.1	10.8	10.9	11.2	11.3	10.5
Agricultural wage and salary workers	207	259	11.1	13.1	11.2	12.8	10.8	14.4
Government, self-employed, and unpaid family workers	1,115	1,082	4.2	4.1	3.9	3.7	4.6	4.5
No previous work experience	1,268	1,225	-	-	-	-	-	-

NOTE: Data for 1982 are not fully comparable with 1983 data as a result of revisions in industrial classifications in 1983.

A-13. Unemployed persons by reason for unemployment, sex, and race

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983
NUMBER OF UNEMPLOYED												
Total unemployed	10,695	9,830	4,937	4,510	3,821	3,620	1,937	1,700	8,171	7,327	2,235	2,201
Job losers	6,083	5,270	3,815	3,321	1,849	1,613	419	336	4,752	3,973	1,328	1,257
On layoff	2,018	1,265	1,329	807	593	419	96	39	1,701	1,066	284	166
Other job losers	4,065	4,005	2,486	2,514	1,256	1,194	323	297	3,051	2,907	1,044	1,092
Job leavers	861	941	338	390	393	432	130	119	692	778	13	20
Reentrants	2,487	2,393	658	663	1,355	1,308	474	422	1,920	1,748	509	579
New entrants	1,264	1,226	126	136	224	268	914	822	807	828	385	345
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	56.9	53.6	77.3	73.6	48.4	44.9	21.6	19.8	58.1	54.2	59.4	57.1
On layoff	18.9	12.9	26.9	17.9	15.5	11.6	5.0	2.3	20.8	14.5	12.7	7.5
Other job losers	38.0	40.7	50.4	55.7	32.9	33.3	16.6	17.5	37.3	39.7	46.7	49.6
Job leavers	8.0	9.6	6.8	8.6	10.3	11.9	6.7	7.0	8.5	10.6	.6	.9
Reentrants	23.3	24.3	13.3	14.7	35.5	36.1	24.5	24.8	23.5	23.9	22.8	26.3
New entrants	11.8	12.5	2.6	3.0	5.9	7.4	47.2	48.4	9.9	11.3	17.2	15.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	5.5	4.7	6.6	5.7	4.1	3.5	5.2	4.3	5.0	4.1	11.6	10.7
Job leavers .....	.8	.8	.6	.7	.9	1.0	1.6	1.5	.7	.8	.1	.2
Reentrants	2.2	2.1	1.1	1.1	3.1	2.9	5.9	5.4	2.0	1.8	4.5	4.9
New entrants	1.1	1.1	.2	.2	.5	.6	11.3	10.6	.8	.8	3.4	2.9

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-14. Unemployed persons by reason for unemployment, sex, age, and duration of unemployment

(Percent distribution)

Reason, sex, and age	September 1983						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over	9,830	100.0	40.0	25.8	34.2	11.4	22.8
Job losers	5,270	100.0	30.0	24.5	45.5	13.3	32.2
On layoff	1,265	100.0	37.2	23.5	39.2	12.7	26.6
Other job losers	4,005	100.0	27.8	24.8	47.5	13.5	34.0
Job leavers	941	100.0	51.4	29.2	19.3	6.5	12.8
Reentrants	2,393	100.0	53.6	24.3	22.1	9.6	12.6
New entrants	1,226	100.0	48.0	31.8	20.3	10.4	9.8
Men, 20 years and over	4,510	100.0	31.4	23.8	44.8	12.1	32.7
Job losers	3,321	100.0	26.7	23.0	50.3	13.0	37.3
On layoff	807	100.0	33.8	23.3	42.9	12.3	30.6
Other job losers	2,514	100.0	24.5	22.9	52.6	13.2	39.5
Job leavers	390	100.0	45.5	29.9	24.6	5.1	19.5
Reentrants	663	100.0	43.3	25.4	31.3	11.4	19.8
New entrants	136	100.0	46.8	18.9	34.3	14.9	19.4
Women, 20 years and over	3,620	100.0	45.2	25.7	29.0	10.7	18.3
Job losers	1,613	100.0	31.4	27.7	41.0	14.4	26.6
On layoff	419	100.0	41.2	25.4	33.4	12.3	21.1
Other job losers	1,194	100.0	27.9	28.5	43.6	15.1	28.5
Job leavers	432	100.0	54.7	27.2	18.1	8.0	10.2
Reentrants	1,308	100.0	60.0	21.7	18.3	7.4	10.9
New entrants	268	100.0	41.1	31.4	27.5	9.8	17.7
Both sexes, 16 to 19 years	1,700	100.0	52.0	31.2	16.8	10.7	6.1
Job losers	336	100.0	56.2	24.0	19.9	11.0	8.9
On layoff	39	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Other job losers	297	100.0	54.9	26.1	19.0	9.3	9.7
Job leavers	119	100.0	59.0	34.3	6.7	5.8	.8
Reentrants	422	100.0	49.6	30.6	19.7	13.5	6.2
New entrants	822	100.0	50.4	34.0	15.6	9.9	5.7

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

A-15. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983
Total, 16 years and over	10,695	9,830	100.0	100.0	8,818	8,055	100.0	100.0
Less than 5 weeks	4,135	3,936	38.7	40.0	3,014	2,760	34.2	34.3
5 to 14 weeks	3,185	2,537	29.8	25.8	2,698	2,164	30.6	26.9
5 to 10 weeks	2,044	1,728	19.1	17.6	1,717	1,473	19.5	18.3
11 to 14 weeks	1,142	809	10.7	8.2	981	691	11.1	8.6
15 weeks and over	3,375	3,357	31.6	34.2	3,105	3,131	35.2	38.9
15 to 26 weeks	1,545	1,118	14.5	11.4	1,364	1,001	15.5	12.4
27 weeks and over	1,829	2,240	17.1	22.8	1,742	2,130	19.8	26.4
27 to 51 weeks	925	845	8.6	8.6	887	809	10.1	10.0
52 weeks and over	905	1,394	8.5	14.2	855	1,321	9.7	16.4
Average (mean) duration, in weeks	15.9	19.4	-	-	17.5	21.8	-	-
Median duration, in weeks	8.4	8.2	-	-	9.8	10.1	-	-

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-16. Unemployed persons by sex, age, race, marital status, and duration of unemployment

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983
	September 1983										
Total, 16 years and over	9,830	3,936	2,537	1,118	2,240	19.4	8.2	38.7	40.0	31.6	34.2
16 to 19 years	1,700	883	530	182	104	9.7	4.8	47.2	52.0	18.4	16.8
20 to 24 years	2,124	967	542	237	378	16.2	6.6	40.3	45.5	29.7	29.0
25 to 34 years	2,817	1,039	723	326	729	21.6	9.2	36.5	36.9	33.7	37.4
35 to 44 years	1,592	511	393	182	506	23.7	11.1	35.5	32.1	37.3	43.2
45 to 54 years	908	266	226	103	313	26.2	13.2	33.1	29.3	39.8	45.8
55 to 64 years	555	192	101	76	185	27.9	13.7	31.6	34.6	41.1	47.1
65 years and over	135	78	21	12	24	13.6	4.3	48.8	57.9	32.9	26.5
Men, 16 years and over	5,408	1,848	1,365	655	1,540	22.9	10.3	33.7	34.2	36.6	40.6
16 to 19 years	899	432	291	109	66	10.6	5.4	42.9	48.1	21.3	19.5
20 to 24 years	1,159	486	265	144	263	19.2	8.2	35.1	41.9	34.3	35.1
25 to 34 years	1,537	437	383	187	530	27.1	12.8	30.7	28.4	40.3	46.7
35 to 44 years	868	235	223	85	326	26.2	13.4	29.2	27.1	43.3	47.2
45 to 54 years	517	113	123	73	207	30.1	18.7	30.2	21.8	42.8	54.4
55 to 64 years	349	100	66	48	136	31.4	17.2	28.9	28.7	48.0	52.5
65 years and over	80	45	14	9	12	12.8	4.4	55.2	56.6	27.2	25.8
Women, 16 years and over	4,422	2,088	1,171	463	700	15.1	5.8	44.9	47.2	25.2	26.3
16 to 19 years	802	451	239	73	38	8.6	4.4	52.0	56.3	15.3	13.9
20 to 24 years	965	481	276	93	115	12.7	5.1	47.1	49.8	23.5	21.6
25 to 34 years	1,279	602	340	138	199	15.0	5.8	43.6	47.1	25.5	26.3
35 to 44 years	723	276	170	97	180	20.6	9.5	43.0	38.1	30.2	38.3
45 to 54 years	391	153	103	29	106	21.2	8.8	37.2	39.2	35.8	34.5
55 to 64 years	205	92	36	28	50	21.9	6.8	35.5	44.6	31.5	38.0
65 years and over	56	33	7	3	12	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	7,327	3,018	1,847	838	1,624	18.7	7.9	38.9	41.2	30.8	33.6
Men	4,123	1,446	1,017	506	1,153	22.3	10.1	33.4	35.1	36.2	40.3
Women	3,204	1,572	830	332	471	14.1	5.3	45.9	49.1	23.8	25.0
Black, 16 years and over	2,201	789	599	252	561	21.9	8.5	38.1	35.9	35.1	36.9
Men	1,113	332	296	139	346	25.4	10.9	35.5	29.8	39.2	43.6
Women	1,088	457	303	113	215	18.2	6.0	41.0	42.0	30.4	30.1
Men, 16 years and over:											
Married, spouse present	2,140	630	523	243	744	26.3	12.8	31.3	29.4	40.1	46.1
Widowed, divorced, or separated	676	209	141	79	247	26.6	13.8	33.8	30.9	38.1	48.2
Single (never married)	2,593	1,009	701	333	549	19.1	8.5	36.0	38.9	33.0	34.0
Women, 16 years and over:											
Married, spouse present	1,869	876	460	199	335	15.6	6.1	45.4	46.8	25.9	28.6
Widowed, divorced, or separated	895	377	243	92	183	18.0	7.5	39.7	42.1	31.6	30.8
Single (never married)	1,657	835	469	171	182	13.0	5.0	46.8	50.4	21.1	21.3

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-17. Unemployed persons by occupation, industry, and duration of unemployment

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983
	September 1983										
OCCUPATION											
Managerial and professional specialty	782	298	191	114	178	19.6	9.0	40.0	38.1	29.2	37.4
Technical, sales, and administrative support	1,986	864	477	237	408	17.4	6.9	42.9	43.5	27.3	32.5
Service occupations	1,712	807	441	182	284	15.5	6.0	44.0	47.1	25.6	27.2
Precision production, craft, and repair	1,236	411	309	134	383	23.6	10.9	35.7	33.2	37.1	41.8
Operators, fabricators, and laborers	2,472	785	597	289	801	25.7	11.8	33.2	31.8	39.2	44.1
Farming, forestry, and fishing	344	165	101	24	53	13.6	5.8	42.7	48.1	29.6	22.6
INDUSTRY¹											
Agriculture	259	115	78	27	38	13.4	7.1	45.2	44.7	26.8	25.3
Construction	817	307	226	72	212	19.4	8.3	32.7	37.6	37.8	34.7
Manufacturing	2,059	567	503	269	719	27.8	14.0	33.3	27.5	40.0	48.0
Durable goods	1,303	326	296	168	513	31.2	17.1	29.7	25.0	43.1	52.3
Nondurable goods	755	241	207	101	206	22.0	11.3	40.2	31.9	34.2	40.7
Transportation and public utilities	438	164	94	28	152	24.8	9.0	42.7	37.5	31.7	41.0
Wholesale and retail trade	1,961	845	491	225	401	17.2	7.8	39.4	43.1	28.8	31.9
Finance and service industries	2,373	1,057	595	277	444	17.2	6.7	44.6	44.5	26.3	30.4
Public administration	337	135	91	49	62	18.8	7.2	40.9	40.1	30.1	32.9
No previous work experience	1,225	587	389	128	121	12.4	5.5	40.3	47.9	22.9	20.3

¹ Includes wage and salary workers only.

A-18. Unemployed jobseekers by sex, age, race, and jobsearch methods used

Sex, age, and race	September 1983								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over	9,830	8,438	24.8	5.2	78.6	35.0	17.1	5.0	1.66
16 to 19 years	1,700	1,639	15.7	2.4	83.5	23.1	14.5	5.1	1.44
20 to 24 years	2,124	1,907	23.2	4.6	80.0	37.5	15.9	3.6	1.65
25 to 34 years	2,817	2,324	29.3	6.3	77.0	39.6	16.9	4.6	1.74
35 to 44 years	1,592	1,322	30.0	6.4	75.9	38.9	17.8	5.5	1.74
45 to 54 years	908	687	26.5	6.8	76.7	32.6	19.7	7.1	1.69
55 to 64 years	555	433	25.6	6.2	75.8	39.7	21.5	7.4	1.76
65 years and over	135	126	16.7	6.3	73.0	23.8	33.3	7.9	1.61
Men, 16 years and over	5,408	4,492	27.7	5.5	79.5	34.1	20.2	6.0	1.73
16 to 19 years	899	860	18.3	3.0	84.5	22.6	19.4	4.8	1.53
20 to 24 years	1,159	1,011	24.8	4.1	81.6	36.1	18.9	4.0	1.69
25 to 34 years	1,537	1,199	33.4	6.8	78.5	39.4	19.1	5.8	1.83
35 to 44 years	868	687	33.9	6.7	75.8	37.8	22.6	7.7	1.85
45 to 54 years	517	388	31.2	7.0	74.7	32.5	21.6	9.8	1.77
55 to 64 years	349	268	28.0	7.1	74.3	35.8	20.9	9.7	1.76
65 years and over	80	79	10.1	6.3	82.3	24.1	34.2	5.1	1.62
Women, 16 years and over	4,422	3,945	21.5	4.9	77.8	36.0	13.4	3.8	1.57
16 to 19 years	802	779	13.0	1.7	82.4	23.6	9.0	5.4	1.35
20 to 24 years	965	896	21.3	5.1	78.2	39.2	12.5	3.2	1.60
25 to 34 years	1,279	1,124	25.0	5.7	75.5	39.9	14.5	3.4	1.64
35 to 44 years	723	635	26.0	5.8	75.9	40.0	12.8	3.1	1.64
45 to 54 years	391	299	20.4	6.7	79.3	32.4	17.1	3.7	1.60
55 to 64 years	205	165	21.8	4.2	78.8	45.5	22.4	4.2	1.77
65 years and over	56	47	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	7,327	6,148	24.1	5.7	79.1	36.6	16.9	5.3	1.68
Men	4,123	3,338	26.9	6.1	79.7	35.7	20.0	6.4	1.75
Women	3,204	2,811	20.8	5.2	78.3	37.7	13.2	3.9	1.59
Black, 16 years and over	2,201	2,028	26.5	3.9	78.2	16.7	30.3	3.6	1.59
Men	1,113	1,011	29.6	3.9	79.1	20.6	29.5	4.2	1.67
Women	1,088	1,017	23.5	4.0	77.2	12.9	31.2	3.1	1.52

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

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or waiting to begin a new job within 30 days

are not actually seeking jobs. It should also be noted that 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-19. Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used

Sex and reason	September 1983								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over	9,830	8,438	24.8	5.2	78.6	35.0	17.1	5.0	1.66
Job losers ¹	5,270	4,013	29.8	6.3	80.0	38.4	20.1	5.0	1.80
Job leavers	941	928	21.2	5.7	78.3	39.1	14.9	4.2	1.63
Reentrants	2,393	2,278	22.2	4.8	74.9	32.4	14.3	6.2	1.55
New entrants	1,226	1,218	15.7	1.9	81.4	25.3	13.9	3.4	1.42
Men, 16 years and over	5,408	4,492	27.7	5.5	79.5	34.1	20.2	6.0	1.73
Job losers ¹	3,530	2,698	31.8	6.0	80.1	36.2	21.5	6.2	1.82
Job leavers	447	436	20.9	7.3	75.5	41.5	23.4	4.6	1.73
Reentrants	891	822	24.7	5.6	77.9	29.1	16.9	7.1	1.61
New entrants	540	535	17.4	1.5	81.9	25.2	16.6	4.5	1.47
Women, 16 years and over	4,422	3,945	21.5	4.9	77.8	36.0	13.4	3.8	1.57
Job losers ¹	1,740	1,315	25.8	7.1	79.8	43.0	17.3	2.4	1.75
Job leavers	494	491	21.6	4.3	81.1	37.1	7.1	3.9	1.55
Reentrants	1,502	1,456	20.8	4.3	73.2	34.3	12.8	5.6	1.51
New entrants	686	683	14.3	2.2	81.1	25.5	11.7	2.8	1.38

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-20. Employed civilians in agriculture and nonagricultural industries by age and sex

(In thousands)

Industry and age	Total		Men		Women	
	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983
All industries	99,851	102,366	56,335	57,609	43,516	44,758
16 to 19 years	6,152	6,075	3,124	3,165	3,029	2,910
16 to 17 years	2,274	2,170	1,119	1,110	1,155	1,060
18 to 19 years	3,878	3,905	2,004	2,055	1,874	1,850
20 to 24 years	13,614	13,887	7,126	7,324	6,487	6,563
25 to 54 years	65,402	67,857	37,362	38,522	28,039	29,335
25 to 34 years	28,284	29,333	16,087	16,575	12,196	12,758
35 to 44 years	21,172	22,427	12,047	12,686	9,126	9,740
45 to 54 years	15,946	16,097	9,228	9,261	6,717	6,836
55 to 64 years	11,684	11,454	6,925	8,744	4,759	4,710
55 to 59 years	7,147	6,929	4,246	4,127	2,901	2,803
60 to 64 years	4,537	4,525	2,680	2,618	1,858	1,907
65 years and over	3,000	3,093	1,798	1,853	1,202	1,239
Agriculture	3,612	3,542	2,676	2,845	736	696
16 to 19 years	370	312	297	258	73	53
16 to 17 years	151	120	120	100	31	20
18 to 19 years	219	192	177	159	42	33
20 to 24 years	524	503	416	425	108	79
25 to 54 years	1,693	1,877	1,460	1,459	433	419
25 to 34 years	788	817	637	663	151	154
35 to 44 years	585	547	427	433	158	115
45 to 54 years	519	512	396	362	123	150
55 to 64 years	509	545	422	430	87	114
55 to 59 years	278	266	224	227	54	58
60 to 64 years	231	259	198	203	33	56
65 years and over	316	305	281	274	36	31
Nonagricultural industries	96,239	98,825	53,459	54,764	42,780	44,061
16 to 19 years	5,782	5,764	2,826	2,907	2,956	2,857
16 to 17 years	2,123	2,050	999	1,010	1,124	1,040
18 to 19 years	3,659	3,714	1,827	1,896	1,832	1,817
20 to 24 years	13,089	13,384	6,710	6,900	6,379	6,484
25 to 54 years	63,509	65,980	35,903	37,064	27,606	28,917
25 to 34 years	27,495	28,516	15,450	15,911	12,045	12,605
35 to 44 years	20,587	21,880	11,620	12,254	8,967	9,626
45 to 54 years	15,426	15,585	8,832	8,899	6,594	6,686
55 to 64 years	11,176	10,910	6,503	6,314	4,672	4,596
55 to 59 years	6,869	6,644	4,022	3,899	2,847	2,744
60 to 64 years	4,307	4,266	2,481	2,415	1,825	1,851
65 years and over	2,683	2,788	1,517	1,579	1,166	1,208

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-21. Employed civilians by occupation, sex, and age

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983
Total	99,851	102,366	56,335	57,609	53,212	54,444	43,516	44,758	40,487	41,847
Managerial and professional specialty	23,241	23,865	13,773	14,008	13,679	13,944	9,468	9,857	9,372	9,797
Executive, administrative, and managerial	10,737	10,948	7,222	7,357	7,167	7,327	3,515	3,590	3,473	3,566
Officials and administrators, public administration	(¹)	501	(¹)	328	(¹)	328	(¹)	174	(¹)	174
Other executive, administrative, and managerial	(¹)	7,350	(¹)	5,194	(¹)	5,173	(¹)	2,156	(¹)	2,135
Management-related occupations	(¹)	3,096	(¹)	1,836	(¹)	1,827	(¹)	1,261	(¹)	1,257
Professional specialty	12,504	12,918	6,551	6,651	6,512	6,616	5,953	6,267	5,899	6,231
Engineers	1,538	1,552	1,439	1,452	1,439	1,451	100	100	100	100
Mathematical and computer scientists	532	487	397	368	397	368	134	119	135	119
Natural scientists	355	347	288	273	288	274	67	74	66	74
Health diagnosing occupations	655	712	582	610	582	610	73	102	73	99
Health assessment and treating occupations	1,850	1,974	274	272	274	272	1,577	1,703	1,567	1,699
Teachers, college and university	656	667	407	435	406	433	250	232	243	233
Teachers, except college and university	3,356	3,353	1,027	1,004	1,023	993	2,329	2,349	2,310	2,335
Lawyers and judges	617	646	513	536	513	535	105	110	104	110
Other professional specialty occupations	2,944	3,178	1,626	1,701	1,589	1,681	1,318	1,477	1,301	1,461
Technical, sales, and administrative support	30,871	31,610	10,986	11,278	10,467	10,721	19,885	20,333	18,391	18,911
Technicians and related support	2,928	3,031	1,578	1,600	1,555	1,572	1,349	1,432	1,318	1,404
Health technologists and technicians	970	1,102	155	178	157	171	815	924	801	910
Engineering and science technicians	1,138	990	884	807	861	791	255	182	245	176
Technicians, except health, engineering, and science	819	939	539	614	537	610	279	326	272	318
Sales occupations	11,358	12,038	6,166	6,329	5,872	5,997	5,191	5,709	4,357	4,926
Supervisors and proprietors	2,936	2,991	2,273	2,139	2,263	2,116	663	852	642	839
Sales representatives, finance and business services	1,720	1,894	1,122	1,197	1,121	1,196	598	697	582	679
Sales representatives, commodities, except retail	1,432	1,491	1,203	1,265	1,191	1,252	229	227	212	216
Sales workers, retail and personal services	5,247	5,599	1,560	1,695	1,289	1,399	3,687	3,904	2,906	3,166
Sales-related occupations	22	63	7	34	7	34	15	29	14	27
Administrative support, including clerical	16,586	16,541	3,242	3,349	3,040	3,151	13,344	13,192	12,716	12,581
Supervisors	(¹)	716	(¹)	339	(¹)	340	(¹)	377	(¹)	375
Computer equipment operators	612	588	248	226	235	218	364	362	355	341
Secretaries, stenographers, and typists	4,843	4,961	85	98	83	81	4,759	4,863	4,554	4,659
Financial records processing	2,381	2,414	265	257	250	254	2,115	2,157	2,056	2,107
Mail and message distributing	779	760	555	520	537	499	224	240	218	229
Other administrative support, including clerical	(¹)	7,102	(¹)	1,909	(¹)	1,759	(¹)	5,193	(¹)	4,871
Service occupations	13,516	14,084	5,299	5,528	4,481	4,608	8,217	8,556	7,102	7,420
Private household	1,034	995	40	35	23	25	994	960	822	765
Protective service	1,609	1,653	1,431	1,410	1,397	1,387	178	244	164	214
Service, except private household and protective	10,873	11,436	3,828	4,084	3,061	3,196	7,045	7,352	6,116	6,441
Food service	4,876	4,952	1,718	1,865	1,177	1,234	3,158	3,087	2,478	2,452
Health service	1,725	1,813	181	170	165	152	1,544	1,643	1,445	1,524
Cleaning and building service	2,566	2,818	1,581	1,705	1,410	1,505	985	1,113	927	1,028
Personal service	1,706	1,854	349	344	309	304	1,357	1,510	1,267	1,438
Precision production, craft, and repair	11,780	12,711	10,970	11,632	10,683	11,320	810	1,079	780	1,043
Mechanics and repairers	3,844	4,296	3,739	4,173	3,618	4,056	105	123	99	123
Construction trades	4,008	4,444	3,912	4,384	3,782	4,249	97	60	93	57
Other precision production, craft, and repair	3,927	3,970	3,319	3,075	3,283	3,015	609	896	588	863
Operators, fabricators, and laborers	16,394	16,236	11,945	11,930	10,967	10,999	4,449	4,306	4,228	4,108
Machine operators, assemblers, and inspectors	7,573	7,879	4,311	4,628	4,132	4,436	3,262	3,251	3,149	3,155
Manufacturing industries	6,395	6,630	3,500	3,819	3,389	3,685	2,895	2,811	2,792	2,737
Durable goods	3,550	3,577	2,254	2,499	2,188	2,409	1,295	1,078	1,263	1,049
Nondurable goods	2,845	3,054	1,246	1,320	1,200	1,276	1,600	1,733	1,529	1,687
Nonmanufacturing industries	1,178	1,249	811	809	743	751	367	440	356	418
Transportation and material moving occupations	4,348	4,313	4,014	3,987	3,874	3,881	334	326	318	310
Motor vehicle operators	3,021	3,024	2,738	2,756	2,624	2,680	283	268	269	253
Other transportation and material moving occupations	1,327	1,289	1,277	1,231	1,250	1,201	51	57	50	57
Handlers, equipment cleaners, helpers, and laborers	4,473	4,043	3,620	3,314	2,961	2,681	853	730	761	643
Construction laborers	559	595	542	573	474	523	18	22	17	22
Other handlers, equipment cleaners, helpers, and laborers	3,914	3,449	3,078	2,741	2,487	2,158	836	708	745	622
Farming, forestry, and fishing	4,005	3,860	3,350	3,233	2,927	2,853	655	627	588	569
Farm operators and managers	1,538	1,472	1,349	1,297	1,333	1,283	190	175	189	172
Other farming, forestry, and fishing occupations	2,467	2,389	2,002	1,937	1,594	1,569	465	452	399	397

¹ Data for 1982 are not shown because they do not meet reliability standards for publication.

A-22. Employed civilians by occupation, race, and sex

(Percent distribution)

Occupation and race	Total		Men		Women	
	September 1982	September 1983	September 1982	September 1983	September 1982	September 1983
TOTAL						
Total, 16 years and over (thousands)	99,851	102,366	56,335	57,609	43,516	44,758
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	23.3	23.3	24.5	24.3	21.8	22.0
Executive, administrative, and managerial	10.8	10.7	12.8	12.8	8.1	8.0
Professional specialty	12.5	12.6	11.6	11.5	13.7	14.0
Technical, sales, and administrative support	30.9	30.9	19.5	19.6	45.7	45.4
Technicians and related support	2.9	3.0	2.8	2.8	3.1	3.2
Sales occupations	11.4	11.8	10.9	11.0	11.9	12.8
Administrative support, including clerical	16.6	16.2	5.8	5.8	30.7	29.5
Service occupations	13.5	13.8	9.4	9.6	18.9	19.1
Private household	1.0	1.0	.1	.1	2.3	2.1
Protective service	1.6	1.6	2.5	2.4	.4	.5
Service, except private household and protective	10.9	11.2	6.8	7.1	16.2	16.4
Precision production, craft, and repair	11.8	12.4	19.5	20.2	1.9	2.4
Operators, fabricators, and laborers	16.4	15.9	21.2	20.7	10.2	9.6
Machine operators, assemblers, and inspectors	7.6	7.7	7.7	8.0	7.5	7.3
Transportation and material moving occupations	4.4	4.2	7.1	6.9	.8	.7
Handlers, equipment cleaners, helpers, and laborers	4.5	3.9	6.4	5.8	2.0	1.6
Farming, forestry, and fishing	4.0	3.8	5.9	5.6	1.5	1.4
White						
Total, 16 years and over (thousands)	88,175	90,158	50,354	51,265	37,821	38,893
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	24.3	24.3	25.6	25.4	22.6	22.8
Executive, administrative, and managerial	11.4	11.3	13.6	13.5	8.5	8.4
Professional specialty	12.9	13.0	12.0	12.0	14.1	14.4
Technical, sales, and administrative support	31.6	31.6	20.0	20.0	47.0	46.7
Technicians and related support	2.9	3.0	2.8	2.8	3.1	3.2
Sales occupations	12.0	12.4	11.5	11.6	12.7	13.4
Administrative support, including clerical	16.6	16.2	5.6	5.6	31.3	30.2
Service occupations	12.2	12.5	8.4	8.6	17.4	17.6
Private household .....	.8	.8	(¹)	.1	1.8	1.7
Protective service	1.5	1.5	2.4	2.3	.4	.5
Service, except private household and protective	9.9	10.2	5.9	6.2	15.2	15.4
Precision production, craft, and repair	12.2	12.7	20.0	20.6	1.9	2.4
Operators, fabricators, and laborers	15.5	15.0	20.0	19.6	9.5	9.0
Machine operators, assemblers, and inspectors	7.1	7.2	7.2	7.7	6.9	6.7
Transportation and material moving occupations	4.3	4.1	6.9	6.7	.8	.7
Handlers, equipment cleaners, helpers, and laborers	4.1	3.7	5.8	5.3	1.8	1.6
Farming, forestry, and fishing	4.2	3.9	6.1	5.7	1.6	1.5
Black						
Total, 16 years and over (thousands)	9,199	9,553	4,612	4,847	4,587	4,706
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	(²)	13.7	(²)	11.9	(²)	15.6
Executive, administrative, and managerial	(²)	5.5	(²)	5.9	(²)	5.0
Professional specialty	(²)	8.2	(²)	5.9	(²)	10.6
Technical, sales, and administrative support	(²)	25.5	(²)	14.4	(²)	36.9
Technicians and related support	(²)	2.7	(²)	2.1	(²)	3.4
Sales occupations	(²)	6.2	(²)	4.4	(²)	8.1
Administrative support, including clerical	(²)	16.6	(²)	8.0	(²)	25.4
Service occupations	(²)	24.7	(²)	18.6	(²)	31.1
Private household	(²)	3.1	(²)	(¹)	(²)	6.2
Protective service	(²)	2.4	(²)	4.0	(²)	.8
Service, except private household and protective	(²)	19.3	(²)	14.5	(²)	24.1
Precision production, craft, and repair	(²)	9.6	(²)	16.6	(²)	2.4
Operators, fabricators, and laborers	(²)	23.6	(²)	33.5	(²)	13.4
Machine operators, assemblers, and inspectors	(²)	11.3	(²)	12.1	(²)	10.5
Transportation and material moving occupations	(²)	5.8	(²)	10.5	(²)	.9
Handlers, equipment cleaners, helpers, and laborers	(²)	6.5	(²)	10.8	(²)	2.0
Farming, forestry, and fishing	(²)	2.8	(²)	5.0	(²)	.6

¹ Less than 0.05 percent.

² Data for 1982 are not shown because they do not meet reliability

standards for publication.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-23. Employed civilians by age, sex, and class of worker

(In thousands)

Age and sex	September 1983								
	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	90,728	1,285	15,409	74,034	7,714	382	1,710	1,580	252
16 to 19 years	5,652	305	264	5,083	85	26	231	35	46
16 to 17 years	1,996	200	71	1,725	44	9	78	15	27
18 to 19 years	3,856	105	193	3,358	41	17	153	20	18
20 to 24 years	13,002	138	1,221	11,643	361	20	374	101	28
25 to 34 years	26,579	171	4,414	21,994	1,873	64	463	315	40
35 to 44 years	19,781	156	4,134	15,492	1,997	102	254	258	36
45 to 54 years	13,940	174	3,016	10,751	1,550	95	160	309	44
55 to 64 years	9,826	190	2,004	7,432	1,231	53	161	340	44
55 to 59 years	5,933	89	1,257	4,587	679	31	87	170	29
60 to 64 years	3,692	100	747	2,845	552	22	74	171	14
65 years and over	2,147	151	357	1,639	618	22	68	222	15
Men, 16 years and over	49,517	216	7,568	41,733	5,204	43	1,385	1,382	78
16 to 19 years	2,823	98	105	2,620	67	17	186	35	37
16 to 17 years	969	65	20	883	34	8	62	14	23
18 to 19 years	1,854	33	84	1,736	33	9	124	20	14
20 to 24 years	6,648	32	546	6,069	241	11	312	93	20
25 to 34 years	14,606	35	2,062	12,509	1,300	5	385	270	9
35 to 44 years	10,946	17	2,047	8,882	1,310	-	205	228	-
45 to 54 years	7,835	8	1,574	6,254	1,062	2	113	246	3
55 to 64 years	5,498	12	1,050	4,436	809	6	127	297	6
55 to 59 years	3,451	7	653	2,791	446	3	69	155	4
60 to 64 years	2,048	5	397	1,645	363	4	58	143	2
65 years and over	1,161	15	184	963	415	3	57	213	4
Women, 16 years and over	41,211	1,069	7,841	32,301	2,510	340	325	198	174
16 to 19 years	2,830	207	159	2,464	18	10	44	1	8
16 to 17 years	1,028	135	51	842	11	2	15	1	4
18 to 19 years	1,802	71	108	1,622	7	8	29	-	4
20 to 24 years	6,355	106	674	5,574	120	9	62	8	9
25 to 34 years	11,973	136	2,352	9,485	573	59	78	44	31
35 to 44 years	8,835	139	2,086	6,610	687	103	49	30	36
45 to 54 years	6,105	166	1,442	4,497	488	93	47	63	40
55 to 64 years	4,127	178	954	2,996	421	47	34	43	38
55 to 59 years	2,483	82	604	1,796	233	28	18	15	26
60 to 64 years	1,645	95	350	1,199	188	19	16	28	12
65 years and over	986	137	173	676	203	19	10	9	12

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-24. Employed civilians by industry and occupation

(In thousands)

Industry	September 1983												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service ¹		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture	3,542	64	67	23	11	82	-	22	79	8	46	8	3,130
Mining	903	139	84	39	5	137	-	4	317	19	134	25	1
Construction	6,417	728	138	34	89	381	-	44	3,627	110	510	729	27
Manufacturing	20,211	1,987	1,535	672	688	2,431	-	406	3,953	6,630	862	931	114
Durable goods	11,829	1,172	1,065	464	283	1,427	-	199	2,711	3,577	428	403	101
Nondurable goods	8,382	815	471	209	405	1,004	-	207	1,242	3,054	434	528	13
Transportation and public utilities	7,039	702	371	250	224	1,996	-	215	1,250	90	1,532	391	18
Wholesale and retail trade	21,641	1,708	351	79	8,934	2,222	-	4,162	1,467	283	778	1,636	22
Wholesale trade	4,486	569	66	36	1,707	836	-	45	342	145	425	315	2
Retail trade	17,155	1,139	285	43	7,227	1,386	-	4,117	1,126	138	353	1,321	20
Finance, insurance, and real estate	6,623	1,518	132	114	1,485	2,857	-	298	133	17	6	20	42
Services	31,330	3,101	9,614	1,612	575	5,138	995	6,828	1,647	696	406	259	459
Private households	1,288	-	9	10	3	9	995	82	11	-	1	15	154
Other service industries	30,042	3,102	9,605	1,602	572	5,129	-	6,746	1,635	696	405	244	305
Professional services	20,915	1,782	8,779	1,388	93	3,862	-	4,077	385	149	236	72	90
Public administration	4,660	1,001	625	207	26	1,297	-	1,112	237	24	39	45	47

¹ Includes protective service, not shown separately.

NOTE: Detail may not add to totals because of changes in the estimation procedures.

A-25. Employed civilians with a job but not at work by reason, sex, and pay status

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	Sept. 1982	Sept. 1983	Total		Wage and salary workers ¹			
			Sept. 1982	Sept. 1983	Paid absences		Unpaid absences	
					Sept. 1982	Sept. 1983	Sept. 1982	Sept. 1983
Total, 16 years and over	4,922	4,704	4,825	4,563	2,578	2,447	1,632	1,617
Vacation	2,633	2,505	2,608	2,455	1,901	1,785	467	473
Illness	1,270	1,272	1,232	1,240	505	481	637	669
Bad weather	46	50	36	26	(²)	(²)	(²)	(²)
Industrial dispute	58	26	58	26	(²)	(²)	(²)	(²)
All other reasons	916	850	891	816	172	181	528	475
Men, 16 years and over	2,593	2,535	2,519	2,418	1,447	1,462	691	684
Vacation	1,429	1,417	1,407	1,381	1,099	1,088	174	190
Illness	673	693	643	665	282	300	295	318
All other reasons ³	491	425	468	372	65	74	222	175
Women, 16 years and over	2,329	2,169	2,306	2,144	1,131	985	940	933
Vacation	1,204	1,088	1,200	1,074	801	696	292	282
Illness	596	579	589	574	223	181	342	351
All other reasons ³	529	501	516	496	107	108	306	299

¹ Excludes private household workers.

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-26. Persons at work by hours of work and type of industry

Hours of work	September 1983					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	97,663	3,401	94,262	100.0	100.0	100.0
1 to 34 hours	23,557	991	22,568	24.1	29.1	23.9
1 to 4 hours	799	52	747	.8	1.5	.8
5 to 14 hours	4,486	222	4,265	4.6	6.5	4.5
15 to 29 hours	11,826	516	11,310	12.1	15.2	12.0
30 to 34 hours	6,446	201	6,246	6.6	5.9	6.6
35 hours and over	74,105	2,411	71,694	75.9	70.9	76.1
35 to 39 hours	6,818	99	6,718	7.0	2.9	7.1
40 hours	40,970	607	40,363	42.0	17.8	42.8
41 hours and over	26,317	1,705	24,613	26.9	50.1	26.1
41 to 48 hours	9,930	240	9,690	10.2	7.1	10.3
49 to 59 hours	9,404	478	8,926	9.6	14.1	9.5
60 hours and over	6,983	987	5,997	7.2	29.0	6.4
Average hours, total at work	38.8	44.9	38.6	-	-	-
Average hours, workers on full-time schedules	43.5	53.2	43.2	-	-	-

A-27. Persons at work 1 to 34 hours by reason for working less than 35 hours, type of industry, and usual status

(Numbers in thousands)

Reason for working less than 35 hours	September 1983					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	23,557	6,104	17,454	22,568	5,805	16,763
Economic reasons	5,841	1,752	4,089	5,594	1,643	3,951
Slack work	2,457	1,358	1,099	2,318	1,254	1,064
Material shortages or repairs to plant and equipment	79	79	-	76	76	-
New job started during week	198	198	-	198	198	-
Job terminated during week	118	118	-	115	115	-
Could find only part-time work	2,989	-	2,989	2,886	-	2,886
Other reasons	17,716	4,351	13,365	16,975	4,163	12,812
Does not want, or unavailable for, full-time work	11,147	-	11,147	10,731	-	10,731
Vacation	1,056	1,056	-	1,038	1,038	-
Illness	1,460	1,263	197	1,415	1,240	175
Bad weather	311	311	-	252	252	-
Industrial dispute	22	22	-	22	22	-
Legal or religious holiday	247	247	-	247	247	-
Full time for this job	1,519	-	1,519	1,464	-	1,464
All other reasons	1,955	1,454	501	1,805	1,364	441
Average hours:						
Economic reasons	21.5	24.2	20.3	21.5	24.3	20.4
Other reasons	20.7	26.7	18.7	20.7	26.7	18.8
Worked 30 to 34 hours:						
Economic reasons	1,641	747	894	1,586	711	875
Other reasons	4,805	2,487	2,318	4,660	2,394	2,266

A-28. Persons at work in nonagricultural industries by class of worker and full- or part-time status

(Numbers in thousands)

Industry	September 1983								
	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	94,262	5,594	12,812	75,856	51,243	9,690	14,923	38.6	43.2
Wage and salary workers	86,633	5,005	11,360	70,268	48,706	9,113	12,449	38.4	42.8
Mining	804	27	13	764	176	97	194	45.2	46.3
Construction	5,007	408	198	4,401	3,148	485	768	39.7	42.2
Manufacturing	18,865	656	578	17,631	11,971	2,799	2,861	41.4	42.7
Durable goods	11,035	254	264	10,517	7,165	1,647	1,705	41.7	42.7
Nondurable goods	7,831	402	314	7,115	4,808	1,152	1,155	40.9	42.7
Transportation and public utilities	6,294	229	309	5,756	3,843	836	1,077	41.5	43.4
Wholesale and retail trade	18,721	1,720	4,204	12,797	8,213	1,917	2,667	36.0	43.3
Finance, insurance, and real estate	5,722	149	545	5,028	3,747	511	770	39.1	41.7
Service industries	26,812	1,741	5,275	19,796	14,213	2,072	3,511	36.4	42.7
Private households	1,257	314	617	326	194	43	89	22.2	47.7
All other industries	25,555	1,427	4,658	19,470	14,019	2,029	3,422	37.1	42.6
Public administration	4,409	72	237	4,100	3,106	394	600	40.4	42.0
Self-employed workers	7,247	574	1,286	5,387	2,404	569	2,414	40.7	48.6
Unpaid family workers	382	14	166	202	133	8	61	33.9	44.5

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-29. Persons at work in nonagricultural industries by sex, age, race, marital status, and full- or part-time status

(Numbers in thousands)

Sex, age, race, and marital status	September 1983							
	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	94,262	5,594	12,812	75,856	51,243	24,613	38.6	43.2
16 to 19 years	5,613	681	2,991	1,941	1,538	403	24.9	40.3
16 to 17 years	2,005	93	1,719	193	160	33	17.0	37.9
18 to 19 years	3,608	588	1,273	1,747	1,378	369	29.2	40.5
20 years and over	88,649	4,913	9,821	73,915	49,704	24,211	39.4	43.2
20 to 24 years	12,984	1,239	1,942	9,803	7,157	2,646	36.6	41.9
25 years and over	75,664	3,672	7,879	64,113	42,548	21,565	40.0	43.4
25 to 44 years	48,191	2,408	4,119	41,664	27,280	14,384	40.5	43.6
45 to 64 years	24,896	1,136	2,537	21,223	14,442	6,781	39.9	43.3
65 years and over	2,576	128	1,223	1,225	825	400	29.6	43.5
Men, 16 years and over	52,345	2,469	3,747	46,129	27,966	18,161	41.6	44.6
16 to 19 years	2,837	326	1,380	1,131	864	267	26.1	40.6
16 to 17 years	987	46	808	133	100	33	17.7	38.5
18 to 19 years	1,850	280	572	998	765	233	30.7	40.9
20 years and over	49,508	2,144	2,367	44,997	27,103	17,894	42.5	44.7
20 to 24 years	6,717	599	771	5,347	3,546	1,801	38.6	43.3
25 years and over	42,791	1,545	1,596	39,650	23,556	16,094	43.1	44.9
25 to 44 years	27,062	1,044	546	25,472	14,736	10,736	43.8	45.1
45 to 64 years	14,266	444	412	13,410	8,337	5,073	43.0	44.4
65 years and over	1,463	57	637	769	483	286	31.3	44.3
Women, 16 years and over	41,917	3,125	9,064	29,728	23,275	6,453	34.8	41.0
16 to 19 years	2,776	356	1,611	809	673	136	23.6	39.8
16 to 17 years	1,018	48	910	60	55	5	16.3	(¹)
18 to 19 years	1,759	308	701	750	614	136	27.8	40.1
20 years and over	39,140	2,769	7,454	28,917	22,601	6,316	35.6	41.0
20 to 24 years	6,267	640	1,170	4,457	3,612	845	34.4	40.2
25 years and over	32,874	2,128	6,283	24,463	18,991	5,472	35.8	41.1
25 to 44 years	21,130	1,365	3,573	16,192	12,543	3,649	36.3	41.1
45 to 64 years	10,631	692	2,125	7,814	6,106	1,708	35.8	41.2
65 years and over	1,113	71	586	456	342	114	27.3	42.1
RACE								
White, 16 years and over	82,940	4,569	11,711	66,660	43,913	22,747	38.7	43.4
Men	46,530	2,043	3,388	41,099	24,223	16,876	41.9	44.8
Women	36,410	2,527	8,323	25,560	19,689	5,871	34.7	41.1
Black, 16 years and over	8,866	898	794	7,174	5,827	1,347	37.2	41.1
Men	4,448	366	250	3,832	2,904	928	39.3	42.2
Women	4,419	532	544	3,343	2,923	420	35.1	39.8
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	35,244	1,110	1,147	32,987	19,244	13,743	43.5	45.0
Widowed, divorced, or separated	4,676	277	240	4,159	2,537	1,622	42.1	44.8
Single (never married)	12,425	1,082	2,360	8,983	6,186	2,797	36.1	42.9
Women, 16 years and over:								
Married, spouse present	23,419	1,529	5,409	16,481	13,024	3,457	34.8	40.9
Widowed, divorced, or separated	8,053	627	992	6,434	4,882	1,552	37.1	41.4
Single (never married)	10,445	969	2,663	6,813	5,369	1,444	32.9	40.8

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

A-30. Persons at work in nonfarm occupations by sex and full- or part-time status

(Numbers in thousands)

Occupation and sex	September 1983								
	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	93,985	5,521	12,681	75,782	51,131	9,661	14,990	38.6	43.2
Managerial and professional specialty	22,826	470	2,086	20,270	11,995	2,543	5,731	41.9	44.8
Executive, administrative, and managerial	10,540	125	540	9,874	5,531	1,286	3,057	43.7	45.3
Professional specialty	12,287	344	1,546	10,396	6,464	1,257	2,675	40.4	44.3
Technical, sales, and administrative support	30,178	1,415	5,192	23,571	16,989	2,688	3,893	37.3	42.2
Technicians and related support	2,880	64	313	2,503	1,894	291	318	38.9	41.7
Sales occupations	11,488	812	2,397	8,280	4,513	1,143	2,623	38.2	45.4
Administrative support, including clerical	15,810	539	2,482	12,788	10,582	1,254	952	36.3	40.2
Service occupations	13,453	1,758	3,890	7,805	5,883	793	1,129	32.4	42.3
Private household	973	222	492	259	159	35	66	22.9	47.0
Protective service	1,545	49	172	1,323	836	182	305	41.1	45.2
Service, except private household and protective	10,935	1,487	3,225	6,223	4,889	576	758	32.0	41.5
Precision production, craft, and repair	12,074	716	396	10,961	7,297	1,640	2,025	41.2	43.2
Operators, fabricators, and laborers	15,453	1,161	1,117	13,175	8,967	1,996	2,211	39.8	42.9
Machine operators, assemblers, and inspectors	7,468	406	301	6,761	4,837	1,067	858	40.3	42.0
Transportation and material moving occupations	4,102	279	259	3,565	1,987	565	1,013	42.7	46.0
Handlers, equipment cleaners, helpers, and laborers	3,883	477	557	2,849	2,143	365	341	35.8	41.5
Men, 16 years and over	51,998	2,391	3,605	46,002	27,818	6,418	11,766	41.7	44.6
Managerial and professional specialty	13,482	192	609	12,681	6,657	1,600	4,424	44.7	46.3
Executive, administrative, and managerial	7,100	81	228	6,791	3,369	889	2,533	45.5	46.7
Professional specialty	6,382	111	382	5,889	3,288	711	1,890	43.8	45.9
Technical, sales, and administrative support	10,802	277	930	9,596	5,386	1,373	2,837	42.2	45.2
Technicians and related support	1,516	16	108	1,392	956	187	249	40.9	42.9
Sales occupations	6,074	182	550	5,342	2,400	787	2,154	43.9	47.3
Administrative support, including clerical	3,212	78	271	2,862	2,029	399	434	39.7	42.2
Service occupations	5,309	503	1,064	3,742	2,703	425	615	36.0	43.3
Private household	36	5	18	13	9	-	4	(¹)	(¹)
Protective service	1,308	22	85	1,202	746	168	288	43.3	45.4
Service, except private household and protective	3,966	477	961	2,527	1,947	257	323	33.6	42.3
Precision production, craft, and repair	11,040	652	284	10,104	6,672	1,508	1,924	41.5	43.4
Operators, fabricators, and laborers	11,364	767	719	9,878	6,400	1,512	1,966	40.7	43.7
Machine operators, assemblers, and inspectors	4,373	159	115	4,098	2,751	665	682	41.7	42.9
Transportation and material moving occupations	3,813	249	164	3,400	1,872	543	985	43.4	46.1
Handlers, equipment cleaners, helpers, and laborers	3,179	359	440	2,380	1,776	304	299	36.2	41.7
Women, 16 years and over	41,987	3,130	9,076	29,780	23,313	3,242	3,225	34.8	41.0
Managerial and professional specialty	9,345	278	1,477	7,589	5,338	943	1,308	38.0	42.3
Executive, administrative, and managerial	3,439	44	312	3,083	2,163	397	523	40.2	42.3
Professional specialty	5,905	234	1,165	4,507	3,176	546	785	36.8	42.3
Technical, sales, and administrative support	19,376	1,139	4,262	13,975	11,603	1,316	1,056	34.5	40.2
Technicians and related support	1,363	48	205	1,111	938	104	69	36.7	40.3
Sales occupations	5,414	629	1,847	2,938	2,113	356	469	31.8	41.8
Administrative support, including clerical	12,598	461	2,211	9,926	8,553	856	518	35.5	39.6
Service occupations	8,144	1,255	2,826	4,063	3,180	368	514	30.1	41.4
Private household	938	217	474	246	150	35	61	22.7	46.9
Protective service	237	27	88	121	90	14	18	29.3	43.0
Service, except private household and protective	6,970	1,010	2,264	3,695	2,941	319	435	31.1	41.0
Precision production, craft, and repair	1,033	64	112	857	624	132	101	38.2	41.5
Operators, fabricators, and laborers	4,089	395	398	3,296	2,567	484	245	37.1	40.7
Machine operators, assemblers, and inspectors	3,095	246	186	2,663	2,086	402	176	38.2	40.5
Transportation and material moving occupations	290	30	95	164	115	22	28	33.5	43.7
Handlers, equipment cleaners, helpers, and laborers	704	118	117	469	367	60	42	34.1	40.4

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-31. 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	1982				1983								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
TOTAL													
Noninstitutional population ¹	174,360	174,549	174,718	174,864	175,021	175,169	175,320	175,465	175,622	175,793	175,970	176,122	176,297
Labor force ¹	112,528	112,420	112,702	112,794	112,215	112,217	112,148	112,457	112,418	113,600	113,539	113,943	114,063
Percent of population ²	64.5	64.4	64.5	64.5	64.1	64.1	64.0	64.1	64.0	64.6	64.5	64.7	64.7
Total employed ¹	101,213	100,844	100,796	100,758	100,770	100,727	100,767	101,129	101,226	102,454	102,949	103,245	103,640
Employment-population ratio ³	58.0	57.8	57.7	57.6	57.6	57.5	57.5	57.6	57.6	58.3	58.5	58.6	58.8
Resident Armed Forces	1,670	1,668	1,660	1,665	1,667	1,664	1,664	1,671	1,669	1,668	1,664	1,682	1,695
Civilian employed	99,543	99,176	99,136	99,093	99,103	99,063	99,103	99,458	99,557	100,786	101,285	101,563	101,945
Agriculture	3,363	3,413	3,466	3,411	3,412	3,393	3,375	3,371	3,367	3,522	3,527	3,489	3,290
Nonagricultural industries	96,180	95,763	95,670	95,682	95,691	95,670	95,729	96,088	96,190	97,264	97,758	98,074	98,655
Unemployed	11,315	11,576	11,906	12,036	11,446	11,490	11,381	11,328	11,192	11,146	10,590	10,699	10,423
Unemployment rate ⁴	10.1	10.3	10.6	10.7	10.2	10.2	10.1	10.1	10.0	9.8	9.3	9.4	9.1
Not in labor force	61,832	62,129	62,016	62,070	62,806	62,952	63,172	63,008	63,204	62,193	62,431	62,179	62,234
Men													
Noninstitutional population ¹	83,231	83,323	83,402	83,581	83,652	83,720	83,789	83,856	83,931	84,014	84,099	84,173	84,261
Labor force ¹	64,301	64,300	64,414	64,384	63,916	63,996	63,957	64,207	64,276	64,816	64,864	64,814	64,944
Percent of population ²	77.3	77.2	77.2	77.0	76.4	76.4	76.3	76.6	76.6	77.1	77.1	77.0	77.1
Total employed ¹	57,598	57,456	57,408	57,338	57,283	57,234	57,300	57,476	57,656	58,464	58,625	58,570	58,826
Employment-population ratio ³	69.2	69.0	68.8	68.6	68.5	68.4	68.4	68.5	68.7	69.6	69.7	69.6	69.8
Resident Armed Forces	1,526	1,524	1,516	1,529	1,531	1,528	1,528	1,530	1,528	1,525	1,521	1,538	1,549
Civilian employed	56,072	55,932	55,892	55,809	55,752	55,706	55,772	55,946	56,128	56,939	57,104	57,032	57,277
Unemployed	6,703	6,844	7,006	7,046	6,633	6,762	6,657	6,731	6,620	6,351	6,238	6,244	6,118
Unemployment rate ⁴	10.4	10.6	10.9	10.9	10.4	10.6	10.4	10.5	10.3	9.8	9.6	9.6	9.4
Not in labor force	18,930	19,023	18,988	19,197	19,736	19,724	19,832	19,649	19,655	19,198	19,235	19,359	19,317
Women													
Noninstitutional population ¹	91,129	91,226	91,316	91,283	91,369	91,449	91,532	91,609	91,691	91,779	91,871	91,949	92,036
Labor force ¹	48,227	48,120	48,268	48,410	48,299	48,220	48,191	48,251	48,142	48,784	48,675	49,130	49,119
Percent of population ²	52.9	52.7	52.9	53.0	52.9	52.7	52.6	52.7	52.5	53.2	53.0	53.4	53.4
Total employed ¹	43,615	43,388	43,388	43,420	43,486	43,493	43,467	43,653	43,569	43,990	44,324	44,675	44,814
Employment-population ratio ³	47.9	47.6	47.5	47.6	47.6	47.6	47.5	47.7	47.5	47.9	48.2	48.6	48.7
Resident Armed Forces	144	144	144	136	136	136	136	141	141	143	143	144	146
Civilian employed	43,471	43,244	43,244	43,284	43,350	43,357	43,331	43,512	43,428	43,847	44,181	44,531	44,668
Unemployed	4,612	4,732	4,900	4,990	4,813	4,727	4,724	4,597	4,572	4,795	4,351	4,455	4,305
Unemployment rate ⁴	9.6	9.8	10.1	10.3	10.0	9.8	9.8	9.5	9.5	9.8	8.9	9.1	8.8
Not in labor force	42,902	43,106	43,028	42,873	43,070	43,229	43,341	43,358	43,549	42,995	43,196	42,819	42,917

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-31 through A-40 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-32. Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted

(Numbers in thousands)

Employment status, sex, and age	1982				1983								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
TOTAL													
Civilian noninstitutional population ¹	172,690	172,881	173,058	173,199	173,354	173,505	173,656	173,794	173,953	174,125	174,306	174,440	174,602
Civilian labor force	110,858	110,752	111,042	111,129	110,548	110,553	110,484	110,786	110,749	111,932	111,875	112,261	112,368
Percent of population	64.2	64.1	64.2	64.2	63.8	63.7	63.6	63.7	63.7	64.3	64.2	64.4	64.4
Employed	99,543	99,176	99,136	99,093	99,103	99,063	99,103	99,458	99,557	100,786	101,285	101,563	101,945
Employment-population ratio ²	57.6	57.4	57.3	57.2	57.2	57.1	57.1	57.2	57.2	57.9	58.1	58.2	58.4
Unemployed	11,315	11,576	11,906	12,036	11,446	11,490	11,381	11,328	11,192	11,146	10,590	10,699	10,423
Unemployment rate	10.2	10.5	10.7	10.8	10.4	10.4	10.3	10.2	10.1	10.0	9.5	9.5	9.3
Men, 20 years and over													
Civilian noninstitutional population ¹	73,867	73,984	74,094	74,236	74,339	74,434	74,528	74,611	74,712	74,814	74,927	75,012	75,115
Civilian labor force	58,354	58,363	58,454	58,443	58,048	58,177	58,170	58,454	58,506	58,804	59,016	58,945	59,053
Percent of population	79.0	78.9	78.9	78.7	78.1	78.2	78.1	78.3	78.3	78.6	78.8	78.6	78.6
Employed	52,776	52,649	52,589	52,534	52,452	52,428	52,589	52,752	52,901	53,516	53,808	53,771	53,928
Employment-population ratio ²	71.4	71.2	71.0	70.8	70.6	70.4	70.6	70.7	70.8	71.5	71.8	71.7	71.8
Agriculture	2,436	2,444	2,434	2,389	2,426	2,374	2,420	2,404	2,443	2,529	2,544	2,496	2,431
Nonagricultural industries	50,340	50,205	50,155	50,145	50,025	50,054	50,169	50,348	50,458	50,987	51,264	51,275	51,497
Unemployed	5,578	5,714	5,865	5,909	5,597	5,749	5,581	5,702	5,605	5,288	5,208	5,174	5,125
Unemployment rate	9.6	9.8	10.0	10.1	9.6	9.9	9.6	9.8	9.6	9.0	8.8	8.8	8.7
Not in labor force	15,513	15,621	15,640	15,793	16,291	16,257	16,358	16,157	16,206	16,010	15,911	16,067	16,062
Women, 20 years and over													
Civilian noninstitutional population ¹	83,152	83,271	83,385	83,383	83,490	83,593	83,699	83,794	83,899	84,008	84,122	84,224	84,333
Civilian labor force	43,996	43,936	44,112	44,286	44,201	44,216	44,166	44,238	44,228	44,648	44,685	45,003	45,132
Percent of population	52.9	52.8	52.9	53.1	52.9	52.9	52.8	52.8	52.7	53.1	53.4	53.4	53.5
Employed	40,286	40,112	40,123	40,215	40,238	40,291	40,277	40,509	40,484	40,789	41,164	41,394	41,614
Employment-population ratio ²	48.4	48.2	48.1	48.2	48.2	48.2	48.1	48.3	48.3	48.6	48.9	49.1	49.3
Agriculture	588	578	590	628	625	657	647	622	597	636	607	630	574
Nonagricultural industries	39,698	39,534	39,533	39,587	39,613	39,634	39,630	39,886	39,887	40,153	40,557	40,764	41,040
Unemployed	3,710	3,824	3,989	4,071	3,963	3,925	3,889	3,729	3,744	3,859	3,521	3,609	3,518
Unemployment rate	8.4	8.7	9.0	9.2	9.0	8.9	8.8	8.4	8.5	8.6	7.9	8.0	7.8
Not in labor force	39,156	39,335	39,273	39,097	39,289	39,377	39,533	39,556	39,671	39,360	39,437	39,221	39,201
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	15,671	15,625	15,579	15,580	15,525	15,478	15,429	15,389	15,342	15,303	15,257	15,204	15,154
Civilian labor force	8,508	8,453	8,476	8,400	8,299	8,160	8,148	8,094	8,015	8,480	8,173	8,313	8,184
Percent of population	54.3	54.1	54.4	53.9	53.5	52.7	52.8	52.6	52.2	55.4	53.6	54.7	54.0
Employed	6,481	6,415	6,424	6,344	6,413	6,345	6,237	6,197	6,172	6,481	6,313	6,397	6,404
Employment-population ratio ²	41.4	41.1	41.2	40.7	41.3	41.0	40.4	40.3	40.2	42.4	41.4	42.1	42.3
Agriculture	339	391	442	394	361	362	308	344	327	357	376	362	285
Nonagricultural industries	6,142	6,024	5,982	5,950	6,052	5,983	5,929	5,853	5,845	6,124	5,937	6,035	6,119
Unemployed	2,027	2,038	2,052	2,056	1,886	1,815	1,911	1,897	1,843	1,999	1,860	1,916	1,780
Unemployment rate	23.8	24.1	24.2	24.5	22.7	22.2	23.5	23.4	23.0	23.6	22.8	23.0	21.8
Not in labor force	7,163	7,172	7,103	7,180	7,226	7,318	7,281	7,295	7,327	6,823	7,084	6,891	6,970

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-33. 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	1982				1983								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
WHITE													
Civilian noninstitutional population ¹	149,652	149,838	149,887	150,056	150,129	150,187	150,382	150,518	150,671	150,810	150,959	151,003	151,021
Civilian labor force	96,640	96,453	96,719	96,864	96,176	95,987	95,996	96,287	96,362	97,250	97,341	97,602	97,605
Percent of population	64.6	64.4	64.5	64.6	64.1	63.9	63.8	64.0	64.0	64.5	64.5	64.6	64.6
Employed	87,872	87,477	87,435	87,443	87,466	87,194	87,324	87,709	87,777	88,880	89,382	89,573	89,719
Employment-population ratio ²	58.7	58.4	58.3	58.3	58.3	58.1	58.1	58.3	58.3	58.9	59.2	59.3	59.4
Unemployed	8,768	8,976	9,284	9,421	8,711	8,793	8,672	8,577	8,585	8,370	7,959	8,029	7,885
Unemployment rate	9.1	9.3	9.6	9.7	9.1	9.2	9.0	8.9	8.9	8.6	8.2	8.2	8.1
Men, 20 years and over													
Civilian labor force	51,517	51,499	51,531	51,562	51,033	51,151	51,214	51,459	51,589	51,771	51,919	51,888	51,913
Percent of population	79.5	79.4	79.4	79.3	78.4	78.5	78.4	78.7	78.7	78.9	79.0	79.0	79.0
Employed	47,100	46,987	46,837	46,823	46,752	46,682	46,883	47,049	47,150	47,710	47,935	47,892	47,864
Employment-population ratio ²	72.7	72.4	72.1	72.0	71.8	71.6	71.8	71.9	72.0	72.7	73.0	72.9	72.9
Unemployed	4,417	4,512	4,694	4,739	4,281	4,469	4,332	4,409	4,440	4,060	3,984	3,997	4,049
Unemployment rate	8.6	8.8	9.1	9.2	8.4	8.7	8.5	8.6	8.6	7.8	7.7	7.7	7.8
Women, 20 years and over													
Civilian labor force	37,676	37,532	37,762	37,934	37,794	37,588	37,509	37,683	37,703	38,124	38,242	38,433	38,540
Percent of population	52.4	52.1	52.4	52.6	52.4	52.1	51.9	52.1	52.0	52.6	52.6	52.8	52.9
Employed	34,865	34,663	34,749	34,847	34,834	34,695	34,723	34,972	34,961	35,287	35,668	35,843	35,987
Employment-population ratio ²	48.5	48.1	48.2	48.8	45.7	45.4	44.8	44.6	44.6	46.5	45.9	46.5	47.0
Unemployed	2,811	2,869	3,013	3,087	2,960	2,893	2,787	2,711	2,742	2,837	2,574	2,590	2,553
Unemployment rate	7.5	7.6	8.0	8.1	7.8	7.7	7.4	7.2	7.3	7.4	6.7	6.7	6.6
Both sexes, 16 to 19 years													
Civilian labor force	7,447	7,422	7,426	7,368	7,349	7,248	7,273	7,145	7,069	7,355	7,180	7,281	7,151
Percent of population	57.4	57.3	57.5	57.1	57.1	56.5	56.9	56.0	55.7	58.2	57.1	58.0	57.2
Employed	5,907	5,827	5,849	5,773	5,880	5,817	5,719	5,688	5,666	5,883	5,779	5,839	5,868
Employment-population ratio ²	45.5	45.0	45.3	44.8	45.7	45.4	44.8	44.6	44.6	46.5	45.9	46.5	47.0
Unemployed	1,540	1,595	1,577	1,595	1,469	1,431	1,554	1,457	1,403	1,472	1,401	1,442	1,283
Unemployment rate	20.7	21.5	21.2	21.6	20.0	19.7	21.4	20.4	19.8	20.0	19.5	19.8	17.9
Men	22.2	23.0	22.6	22.8	21.2	21.1	22.9	21.7	20.2	19.8	20.4	21.1	18.7
Women	19.1	19.9	19.8	20.4	18.7	18.2	19.7	19.0	19.4	20.2	18.5	18.4	17.1
BLACK													
Civilian noninstitutional population ¹	18,659	18,692	18,723	18,740	18,768	18,796	18,823	18,851	18,880	18,911	18,942	18,966	18,994
Civilian labor force	11,443	11,398	11,475	11,522	11,542	11,548	11,554	11,631	11,672	11,783	11,764	11,745	11,729
Percent of population	61.3	61.0	61.3	61.5	61.5	61.4	61.4	61.7	61.8	62.3	62.1	61.9	61.7
Employed	9,172	9,102	9,159	9,127	9,142	9,276	9,253	9,209	9,270	9,352	9,469	9,398	9,505
Employment-population ratio ²	49.2	48.7	48.9	48.7	48.7	49.4	49.2	48.8	49.1	49.5	50.0	49.6	50.0
Unemployed	2,271	2,296	2,316	2,395	2,400	2,271	2,302	2,423	2,402	2,432	2,295	2,347	2,224
Unemployment rate	19.8	20.1	20.2	20.8	20.8	19.7	19.9	20.8	20.6	20.6	19.5	20.0	19.0
Men, 20 years and over													
Civilian labor force	5,398	5,390	5,488	5,483	5,459	5,441	5,439	5,540	5,512	5,597	5,611	5,584	5,541
Percent of population	74.7	74.4	75.6	75.6	75.1	74.7	74.5	75.7	75.1	76.1	76.1	75.6	74.9
Employed	4,360	4,331	4,437	4,358	4,385	4,423	4,416	4,415	4,418	4,522	4,564	4,556	4,603
Employment-population ratio ²	60.4	59.8	61.1	60.1	60.3	60.7	60.5	60.3	60.2	61.5	61.9	61.7	62.2
Unemployed	1,038	1,059	1,051	1,125	1,075	1,018	1,023	1,125	1,094	1,075	1,047	1,028	938
Unemployment rate	19.2	19.6	19.2	20.5	19.7	18.7	18.8	20.3	19.8	19.2	18.7	18.4	16.9
Women, 20 years and over													
Civilian labor force	5,187	5,169	5,157	5,207	5,295	5,353	5,350	5,265	5,348	5,283	5,328	5,322	5,372
Percent of population	56.4	56.1	55.9	56.5	57.3	57.8	57.7	56.6	57.4	56.6	57.0	56.8	57.2
Employed	4,371	4,332	4,305	4,349	4,329	4,441	4,404	4,372	4,431	4,384	4,477	4,447	4,509
Employment-population ratio ²	47.5	47.0	46.6	47.1	46.8	48.0	47.5	47.0	47.6	47.0	47.9	47.5	48.0
Unemployed	816	837	852	858	965	912	946	893	917	900	851	874	862
Unemployment rate	15.7	16.2	16.5	16.5	18.2	17.0	17.7	17.0	17.1	17.0	16.0	16.4	16.1

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-33. 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	1982				1983								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	858	839	830	832	788	754	765	827	812	903	825	839	816
Percent of population	38.3	37.5	37.2	36.8	35.0	33.5	34.1	37.0	36.4	40.5	37.1	37.8	36.9
Employed	441	439	417	420	428	412	432	422	421	446	428	394	392
Employment-population ratio ²	19.7	19.6	18.7	18.6	19.0	18.3	19.3	18.9	18.9	20.0	19.2	17.8	17.7
Unemployed	417	400	413	412	360	342	333	405	391	457	397	445	424
Unemployment rate	48.6	47.7	49.8	49.5	45.7	45.4	43.5	49.0	48.2	50.6	48.1	53.0	52.0
Men	51.0	49.2	53.0	52.5	45.9	45.3	44.5	48.0	53.1	51.1	47.6	56.8	54.8
Women	45.9	45.9	46.2	46.2	45.5	45.4	42.3	50.0	42.3	50.0	48.8	48.9	48.7
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	9,464	9,474	9,355	9,301	9,328	9,368	9,551	9,665	9,747	9,738	9,640	9,690	9,700
Civilian labor force	5,961	5,973	5,923	5,898	5,981	5,992	6,074	6,206	6,167	6,253	6,079	6,124	6,200
Percent of population	63.0	63.0	63.3	63.4	64.1	64.0	63.6	64.2	63.3	64.2	63.1	63.2	63.9
Employed	5,097	5,075	5,012	4,998	5,053	5,042	5,088	5,304	5,318	5,379	5,331	5,333	5,390
Employment-population ratio ²	53.9	53.6	53.6	53.7	54.2	53.8	53.3	54.9	54.6	55.2	55.3	55.0	55.6
Unemployed	864	898	911	900	929	950	986	902	849	874	748	790	811
Unemployment rate	14.5	15.0	15.4	15.3	15.5	15.8	16.2	14.5	13.8	14.0	12.3	12.9	13.1

¹ The population figures are not adjusted for seasonal variation.

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

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

A-34. Employed civilians by selected social and economic categories, seasonally adjusted

(In thousands)

Category	1982				1983								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
CHARACTERISTIC													
Total	99,543	99,176	99,136	99,093	99,103	99,063	99,103	99,458	99,557	100,786	101,285	101,563	101,945
Married men, spouse present	37,998	37,852	37,641	37,507	37,450	37,428	37,452	37,523	37,560	37,925	38,293	38,308	38,253
Married women, spouse present	24,159	24,081	23,985	24,155	24,205	24,070	24,171	24,371	24,229	24,335	24,640	24,972	24,996
Women who maintain families	5,118	5,107	5,025	4,985	5,038	5,050	5,097	4,944	4,942	5,016	5,088	5,104	5,124
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,537	1,576	1,584	1,547	1,637	1,624	1,515	1,560	1,595	1,636	1,663	1,664	1,585
Self-employed workers	1,569	1,621	1,628	1,627	1,587	1,541	1,585	1,607	1,558	1,608	1,583	1,566	1,473
Unpaid family workers	254	229	241	224	231	223	260	208	229	263	259	245	237
Nonagricultural industries:													
Wage and salary workers	88,562	88,064	87,936	87,976	87,813	87,794	87,912	88,187	88,395	89,354	89,765	89,995	90,813
Government	15,681	15,436	15,514	15,477	15,386	15,501	15,452	15,518	15,523	15,498	15,615	15,697	15,549
Private industries	72,881	72,628	72,422	72,499	72,427	72,293	72,459	72,668	72,872	73,856	74,150	74,299	75,265
Private households	1,220	1,216	1,221	1,163	1,162	1,232	1,235	1,205	1,228	1,317	1,286	1,290	1,295
Other industries	71,661	71,412	71,201	71,336	71,265	71,061	71,225	71,463	71,644	72,539	72,864	73,009	73,969
Self-employed workers	7,422	7,332	7,349	7,335	7,465	7,385	7,453	7,528	7,408	7,493	7,598	7,658	7,660
Unpaid family workers	378	403	382	383	380	353	342	353	335	345	320	376	376
PERSONS AT WORK¹													
Nonagricultural industries	90,884	90,232	90,238	90,219	90,903	90,207	90,271	92,267	90,941	90,539	92,253	91,986	93,737
Full-time schedules	71,723	71,394	71,442	71,499	71,786	71,564	71,878	73,594	72,975	72,978	74,004	73,495	74,883
Part time for economic reasons	6,495	6,403	6,411	6,425	6,845	6,481	6,202	6,082	5,928	5,729	5,636	5,789	6,106
Usually work full time	2,519	2,381	2,228	2,153	2,200	2,097	1,927	1,871	1,685	1,702	1,809	1,718	1,798
Usually work part time	3,976	4,022	4,183	4,272	4,645	4,384	4,275	4,211	4,243	4,027	3,826	4,071	4,309
Part time for noneconomic reasons	12,666	12,435	12,385	12,295	12,271	12,162	12,191	12,592	12,038	11,833	12,614	12,701	12,748

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-35. Employed civilians by sex and age, seasonally adjusted

(In thousands)

Sex and age	1982				1983								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over	99,543	99,176	99,136	99,093	99,103	99,063	99,103	99,458	99,557	100,786	101,285	101,563	101,945
16 to 24 years	20,065	19,919	19,934	19,903	19,887	19,863	19,732	19,729	19,623	20,328	20,231	20,187	20,254
16 to 19 years	6,481	6,415	6,424	6,344	6,413	6,345	6,237	6,197	6,172	6,481	6,313	6,397	6,404
16 to 17 years	2,432	2,415	2,426	2,364	2,438	2,362	2,307	2,279	2,272	2,303	2,262	2,348	2,329
18 to 19 years	4,065	3,988	3,984	3,982	3,982	3,992	3,952	3,929	3,913	4,152	4,070	4,019	4,082
20 to 24 years	13,584	13,504	13,510	13,559	13,474	13,518	13,494	13,532	13,451	13,847	13,917	13,790	13,850
25 years and over	79,468	79,251	79,182	79,165	79,240	79,165	79,386	79,679	79,848	80,533	81,101	81,498	81,713
25 to 54 years	64,982	64,949	64,858	64,890	65,005	64,902	65,184	65,582	65,807	66,404	66,831	67,287	67,386
55 years and over	14,561	14,289	14,315	14,272	14,233	14,179	14,138	14,067	14,094	14,127	14,229	14,212	14,418
Men, 16 years and over	56,072	55,932	55,892	55,809	55,752	55,706	55,772	55,946	56,128	56,939	57,104	57,032	57,277
16 to 24 years	10,401	10,408	10,388	10,357	10,368	10,327	10,229	10,270	10,283	10,815	10,619	10,570	10,636
16 to 19 years	3,296	3,283	3,303	3,275	3,301	3,279	3,183	3,194	3,228	3,423	3,297	3,261	3,349
16 to 17 years	1,229	1,229	1,258	1,233	1,295	1,260	1,212	1,158	1,188	1,218	1,189	1,203	1,224
18 to 19 years	2,085	2,052	2,027	2,038	2,009	2,037	1,990	2,045	2,051	2,179	2,113	2,042	2,131
20 to 24 years	7,105	7,125	7,085	7,082	7,067	7,048	7,046	7,076	7,056	7,392	7,322	7,310	7,287
25 years and over	45,672	45,522	45,496	45,430	45,393	45,372	45,552	45,654	45,770	46,206	46,474	46,535	46,655
25 to 54 years	37,044	37,019	36,988	36,947	36,968	36,913	37,135	37,278	37,477	37,780	37,947	38,068	38,166
55 years and over	8,644	8,485	8,508	8,471	8,446	8,415	8,400	8,376	8,345	8,436	8,489	8,461	8,518
Women, 16 years and over	43,471	43,244	43,244	43,284	43,350	43,357	43,331	43,512	43,428	43,847	44,181	44,531	44,668
16 to 24 years	9,664	9,511	9,546	9,546	9,519	9,536	9,503	9,459	9,340	9,512	9,612	9,617	9,617
16 to 19 years	3,185	3,132	3,121	3,069	3,112	3,066	3,054	3,004	2,944	3,058	3,017	3,136	3,054
16 to 17 years	1,203	1,186	1,168	1,131	1,143	1,102	1,095	1,121	1,084	1,085	1,073	1,145	1,105
18 to 19 years	1,980	1,936	1,957	1,944	1,973	1,955	1,962	1,884	1,862	1,973	1,957	1,977	1,951
20 to 24 years	6,479	6,379	6,425	6,477	6,407	6,470	6,448	6,455	6,395	6,455	6,595	6,480	6,563
25 years and over	33,796	33,729	33,686	33,735	33,847	33,792	33,834	34,025	34,078	34,328	34,627	34,963	35,057
25 to 54 years	27,938	27,930	27,870	27,943	28,037	27,989	28,049	28,304	28,330	28,624	28,884	29,199	29,219
55 years and over	5,917	5,804	5,807	5,801	5,787	5,764	5,738	5,689	5,749	5,691	5,740	5,752	5,901

A-36. Unemployed persons by sex and age, seasonally adjusted

(In thousands)

Sex and age	1982				1983								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over	11,315	11,576	11,906	12,036	11,446	11,490	11,381	11,328	11,192	11,146	10,590	10,699	10,423
16 to 24 years	4,490	4,577	4,685	4,642	4,462	4,444	4,375	4,353	4,332	4,332	4,087	4,260	3,999
16 to 19 years	2,027	2,038	2,052	2,056	1,886	1,815	1,911	1,897	1,843	1,999	1,860	1,916	1,780
16 to 17 years	878	851	866	893	774	721	774	812	805	799	768	770	730
18 to 19 years	1,145	1,184	1,174	1,169	1,104	1,091	1,162	1,095	1,047	1,200	1,088	1,136	1,043
20 to 24 years	2,463	2,539	2,633	2,586	2,576	2,629	2,464	2,456	2,489	2,333	2,227	2,344	2,219
25 years and over	6,824	6,997	7,194	7,402	7,000	7,054	7,029	6,954	6,889	6,863	6,479	6,413	6,402
25 to 54 years	6,090	6,176	6,330	6,512	6,208	6,194	6,206	6,079	6,134	6,016	5,688	5,680	5,651
55 years and over	800	837	862	880	812	802	803	832	795	834	803	757	780
Men, 16 years and over	6,703	6,844	7,006	7,046	6,633	6,762	6,657	6,731	6,620	6,351	6,238	6,244	6,118
16 to 24 years	2,608	2,633	2,697	2,670	2,548	2,544	2,479	2,478	2,523	2,444	2,398	2,447	2,276
16 to 19 years	1,125	1,130	1,141	1,137	1,036	1,013	1,076	1,029	1,015	1,063	1,030	1,070	993
16 to 17 years	502	498	493	503	419	389	425	429	449	414	460	427	376
18 to 19 years	622	628	642	642	617	622	656	604	577	646	568	634	617
20 to 24 years	1,483	1,503	1,556	1,533	1,512	1,531	1,403	1,449	1,508	1,381	1,368	1,377	1,283
25 years and over	4,098	4,213	4,292	4,388	4,078	4,230	4,199	4,237	4,102	3,918	3,808	3,790	3,830
25 to 54 years	3,657	3,696	3,750	3,819	3,541	3,678	3,652	3,646	3,599	3,443	3,325	3,328	3,351
55 years and over	500	545	560	570	519	507	520	562	515	483	481	475	507
Women, 16 years and over	4,612	4,732	4,900	4,990	4,813	4,727	4,724	4,597	4,572	4,795	4,351	4,455	4,305
16 to 24 years	1,882	1,944	1,988	1,972	1,914	1,900	1,896	1,874	1,809	1,888	1,689	1,813	1,723
16 to 19 years	902	908	911	919	850	802	835	868	828	936	830	846	787
16 to 17 years	376	353	373	390	355	332	349	383	356	385	308	343	354
18 to 19 years	523	556	532	527	487	469	506	491	470	554	520	502	426
20 to 24 years	980	1,036	1,077	1,053	1,064	1,098	1,061	1,006	981	952	859	967	936
25 years and over	2,726	2,784	2,902	3,014	2,922	2,824	2,830	2,717	2,787	2,945	2,671	2,623	2,573
25 to 54 years	2,433	2,480	2,580	2,693	2,667	2,516	2,554	2,434	2,536	2,572	2,363	2,352	2,300
55 years and over	300	292	302	310	293	294	283	270	280	351	322	282	273

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-37. Unemployment rates by sex and age, seasonally adjusted

(Civilian workers)

Sex and age	1982				1983								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over	10.2	10.5	10.7	10.8	10.4	10.4	10.3	10.2	10.1	10.0	9.5	9.5	9.3
16 to 24 years	18.3	18.7	19.0	18.9	18.3	18.3	18.1	18.1	18.1	17.6	16.8	17.4	16.5
16 to 19 years	23.8	24.1	24.2	24.5	22.7	22.2	23.5	23.4	23.0	23.6	22.8	23.0	21.8
16 to 17 years	26.5	26.1	26.3	27.4	24.1	23.4	25.1	26.3	26.2	25.8	25.3	24.7	23.9
18 to 19 years	22.0	22.9	22.8	22.7	21.7	21.5	22.7	21.8	21.1	22.4	21.1	22.0	20.4
20 to 24 years	15.3	15.8	16.3	16.0	16.1	16.3	15.4	15.4	15.6	14.4	13.8	14.5	13.8
25 years and over	7.9	8.1	8.3	8.6	8.1	8.2	8.1	8.0	7.9	7.9	7.4	7.3	7.3
25 to 54 years	8.6	8.7	8.9	9.1	8.7	8.7	8.7	8.5	8.5	8.3	7.8	7.8	7.7
55 years and over	5.2	5.5	5.7	5.8	5.4	5.4	5.4	5.6	5.3	5.6	5.3	5.1	5.1
Men, 16 years and over	10.7	10.9	11.1	11.2	10.6	10.8	10.7	10.7	10.6	10.0	9.8	9.9	9.7
16 to 24 years	20.0	20.2	20.6	20.5	19.7	19.8	19.5	19.4	19.7	18.4	18.4	18.8	17.6
16 to 19 years	25.4	25.6	25.7	25.8	23.9	23.6	25.3	24.4	23.9	23.7	23.8	24.7	22.9
16 to 17 years	29.0	28.8	28.2	29.0	24.4	23.6	26.0	27.0	27.4	25.4	27.9	26.2	23.5
18 to 19 years	23.0	23.4	24.1	24.0	23.5	23.4	24.8	22.8	22.0	22.9	21.2	23.7	22.5
20 to 24 years	17.3	17.4	18.0	17.8	17.6	17.8	16.6	17.0	17.6	15.7	15.7	15.9	15.0
25 years and over	8.2	8.5	8.6	8.8	8.2	8.5	8.4	8.5	8.2	7.8	7.6	7.5	7.6
25 to 54 years	9.0	9.1	9.2	9.4	8.7	9.1	9.0	8.9	8.8	8.4	8.1	8.0	8.1
55 years and over	5.5	6.0	6.2	6.3	5.8	5.7	5.8	6.3	5.8	5.4	5.4	5.3	5.6
Women, 16 years and over	9.6	9.9	10.2	10.3	10.0	9.8	9.8	9.6	9.5	9.9	9.0	9.1	8.8
16 to 24 years	16.3	17.0	17.2	17.1	16.7	16.6	16.6	16.5	16.2	16.6	14.9	15.9	15.2
16 to 19 years	22.1	22.5	22.6	23.0	21.5	20.7	21.5	22.4	21.9	23.4	21.6	21.2	20.5
16 to 17 years	23.8	22.9	24.2	25.6	23.7	23.2	24.2	25.5	24.7	26.2	22.3	23.1	24.3
18 to 19 years	20.9	22.3	21.4	21.3	19.8	19.3	20.5	20.7	20.2	21.9	21.0	20.3	17.9
20 to 24 years	13.1	14.0	14.4	14.0	14.2	14.5	14.1	13.5	13.3	12.9	11.5	13.0	12.5
25 years and over	7.5	7.6	7.9	8.2	7.9	7.7	7.7	7.4	7.6	7.9	7.2	7.0	6.8
25 to 54 years	8.0	8.2	8.5	8.8	8.7	8.2	8.3	7.9	8.2	8.2	7.6	7.5	7.3
55 years and over	4.8	4.8	4.9	5.1	4.8	4.9	4.7	4.5	4.6	5.8	5.3	4.7	4.4

A-38. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1982				1983								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
CHARACTERISTIC													
Total (all civilian workers)	10.2	10.5	10.7	10.8	10.4	10.4	10.3	10.2	10.1	10.0	9.5	9.5	9.3
Men, 20 years and over	9.6	9.8	10.0	10.1	9.6	9.9	9.6	9.8	9.6	9.0	8.8	8.8	8.7
Women, 20 years and over	8.4	8.7	9.0	9.2	9.0	8.9	8.8	8.4	8.5	8.6	7.9	8.0	7.8
Both sexes, 16 to 19 years	23.8	24.1	24.2	24.5	22.7	22.2	23.5	23.4	23.0	23.6	22.8	23.0	21.8
White	9.1	9.3	9.6	9.7	9.1	9.2	9.0	8.9	8.9	8.6	8.2	8.2	8.1
Black and other	18.1	18.4	18.5	18.8	19.0	18.0	18.5	18.8	18.6	18.9	17.9	18.1	17.2
Black	19.8	20.1	20.2	20.8	20.8	19.7	19.9	20.8	20.6	20.6	19.5	20.0	19.0
Hispanic origin	14.5	15.0	15.4	15.3	15.5	15.8	16.2	14.5	13.8	14.0	12.3	12.9	13.1
Married men, spouse present	7.2	7.5	7.6	7.8	7.1	7.2	7.1	7.1	7.0	6.6	6.1	6.3	6.1
Married women, spouse present	7.6	7.9	8.2	8.2	7.8	7.6	7.5	7.3	7.5	7.8	7.0	6.9	6.8
Women who maintain families	12.4	11.3	12.5	13.2	13.2	13.0	13.5	13.2	12.9	12.8	11.6	11.6	12.2
Full-time workers	10.2	10.5	10.6	10.8	10.3	10.4	10.3	10.2	9.9	9.7	9.4	9.4	9.2
Part-time workers	10.6	10.3	11.3	11.1	10.6	10.1	10.5	10.6	11.0	12.1	10.2	10.1	10.0
Unemployed 15 weeks and over ¹	3.5	3.8	4.1	4.3	4.2	4.2	4.2	3.9	4.1	4.1	3.9	3.6	3.4
Labor force time lost ²	11.7	12.0	12.4	12.7	11.7	12.0	11.8	11.4	11.5	10.8	10.4	10.6	10.6
INDUSTRY													
Nonagricultural private wage and salary workers	10.7	11.0	11.4	11.6	10.8	10.8	10.8	10.5	10.5	10.0	9.6	9.8	9.4
Mining	18.5	17.9	18.1	18.1	17.1	18.4	18.6	20.3	22.7	18.2	16.6	14.8	17.2
Construction	22.0	22.3	21.8	22.0	20.0	19.7	20.3	20.3	20.4	18.1	18.0	18.1	18.2
Manufacturing	13.6	14.1	14.8	14.8	13.0	13.3	12.8	12.4	12.3	11.5	10.5	11.2	10.2
Durable goods	14.9	16.0	17.0	17.1	14.7	14.7	14.1	13.5	13.5	12.2	11.2	11.6	10.9
Nondurable goods	11.8	11.2	11.4	11.4	10.5	11.4	11.1	10.8	10.5	10.4	9.6	10.6	9.2
Transportation and public utilities	7.3	7.9	8.3	8.0	7.8	8.0	7.8	7.7	7.0	7.8	7.0	8.0	7.4
Wholesale and retail trade	10.0	10.4	10.6	11.0	10.8	10.9	11.2	10.4	10.1	10.2	9.7	9.8	9.6
Finance and service industries	7.0	7.1	7.7	7.9	7.6	7.3	7.2	7.3	7.5	7.2	7.3	7.2	7.1
Agricultural wage and salary workers	13.5	13.3	15.6	16.5	16.0	16.4	16.3	17.2	17.0	17.0	14.2	14.6	16.1

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**

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-39. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

Weeks of unemployment	1982				1983								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
DURATION													
Less than 5 weeks	4,004	3,930	3,963	4,019	3,536	3,731	3,440	3,547	3,519	3,655	3,498	3,660	3,774
5 to 14 weeks	3,549	3,511	3,549	3,460	3,328	3,106	3,140	3,154	2,979	2,915	2,794	3,026	2,810
15 weeks and over	3,856	4,167	4,524	4,732	4,634	4,618	4,615	4,356	4,517	4,589	4,417	4,020	3,850
15 to 26 weeks	1,830	1,951	2,191	2,125	1,928	1,928	1,875	1,662	1,731	1,638	1,830	1,573	1,344
27 weeks and over	2,026	2,216	2,333	2,607	2,706	2,689	2,740	2,694	2,786	2,951	2,587	2,447	2,506
Average (mean) duration, in weeks	16.6	17.1	17.3	18.0	19.4	19.0	19.1	19.0	20.4	22.0	21.7	19.9	20.2
Median duration, in weeks	9.4	9.6	10.0	10.1	11.5	9.6	10.3	11.3	12.3	11.8	9.9	8.9	9.1
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	35.1	33.9	32.9	32.9	30.8	32.6	30.7	32.1	31.9	32.8	32.7	34.2	36.2
5 to 14 weeks	31.1	30.2	29.5	28.3	28.9	27.1	28.1	28.5	27.0	26.1	26.1	28.3	26.9
15 weeks and over	33.8	35.9	37.6	38.8	40.3	40.3	41.2	39.4	41.0	41.1	41.2	37.5	36.9
15 to 26 weeks	16.0	16.8	18.2	17.4	16.8	16.8	16.7	15.0	15.7	14.7	17.1	14.7	12.9
27 weeks and over	17.8	19.1	19.4	21.3	23.5	23.5	24.5	24.4	25.3	26.4	24.2	22.9	24.0

A-40. Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reasons for unemployment	1982				1983								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
NUMBER OF UNEMPLOYED													
Job losers	6,979	7,325	7,369	7,295	6,704	6,809	6,823	6,750	6,766	6,513	6,193	6,202	6,002
On layoff	2,625	2,519	2,531	2,468	2,131	2,024	1,945	1,948	1,943	1,822	1,719	1,658	1,591
Other job losers	4,354	4,806	4,838	4,827	4,573	4,784	4,878	4,803	4,823	4,691	4,474	4,545	4,411
Job leavers	786	803	794	826	839	848	901	815	801	782	738	767	866
Reentrants	2,437	2,322	2,546	2,629	2,623	2,491	2,426	2,488	2,365	2,425	2,429	2,524	2,351
New entrants	1,303	1,296	1,244	1,288	1,174	1,161	1,155	1,245	1,251	1,440	1,225	1,214	1,247
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	60.7	62.4	61.6	60.6	59.1	60.2	60.4	59.7	60.5	58.4	58.5	57.9	57.3
On layoff	22.8	21.4	21.2	20.5	18.8	17.9	17.2	17.2	17.4	16.3	16.2	15.5	15.2
Other job losers	37.8	40.9	40.5	40.1	40.3	42.3	43.1	42.5	43.1	42.0	42.3	42.4	42.1
Job leavers	6.8	6.8	6.6	6.9	7.4	7.5	8.0	7.2	7.2	7.0	7.0	7.2	8.3
Reentrants	21.2	19.8	21.3	21.8	23.1	22.0	21.5	22.0	21.1	21.7	22.9	23.6	22.5
New entrants	11.3	11.0	10.4	10.7	10.4	10.3	10.2	11.0	11.2	12.9	11.6	11.3	11.9
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	6.3	6.6	6.6	6.6	6.1	6.2	6.2	6.1	6.1	5.8	5.5	5.5	5.3
Job leavers .....	.7	.7	.7	.7	.8	.8	.8	.7	.7	.7	.7	.7	.8
Reentrants	2.2	2.1	2.3	2.4	2.4	2.3	2.2	2.2	2.1	2.2	2.2	2.2	2.1
New entrants	1.2	1.2	1.1	1.2	1.1	1.1	1.0	1.1	1.1	1.3	1.1	1.1	1.1

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-41. 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	1980		1981				1982				1983		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
TOTAL													
Noninstitutional population ¹	169,728	170,327	170,912	171,467	172,071	172,649	173,161	173,686	174,200	174,710	175,170	175,626	176,129
Labor force ¹	108,761	109,127	109,852	110,432	110,238	110,775	110,956	111,754	112,307	112,638	112,193	112,825	113,849
Percent of population ²	64.1	64.1	64.3	64.4	64.1	64.2	64.1	64.3	64.5	64.5	64.0	64.2	64.6
Total employed ¹	100,533	101,149	101,837	102,419	102,178	101,746	101,324	101,386	101,283	100,799	100,755	101,603	103,278
Employment-population ratio ³	59.2	59.4	59.6	59.7	59.4	58.9	58.5	58.4	58.1	57.7	57.5	57.9	58.6
Resident Armed Forces	1,617	1,634	1,633	1,630	1,658	1,659	1,664	1,666	1,678	1,664	1,665	1,669	1,680
Civilian employed	98,916	99,515	100,204	100,789	100,520	100,087	99,660	99,720	99,605	99,135	99,090	99,933	101,598
Agriculture	3,342	3,412	3,372	3,417	3,358	3,327	3,371	3,391	3,412	3,430	3,393	3,420	3,435
Nonagricultural industries	95,574	96,103	96,832	97,372	97,162	96,760	96,289	96,329	96,192	95,705	95,696	96,514	98,162
Unemployed	8,228	7,979	8,016	8,013	8,058	9,029	9,632	10,369	11,025	11,839	11,439	11,222	10,571
Unemployment rate ⁴	7.6	7.3	7.3	7.3	7.3	8.2	8.7	9.3	9.8	10.5	10.2	9.9	9.3
Not in labor force	60,967	61,200	61,060	61,035	61,833	61,874	62,205	61,932	61,893	62,072	62,977	62,601	62,281
Men													
Noninstitutional population ¹	81,060	81,347	81,614	81,874	82,163	82,442	82,678	82,926	83,167	83,435	83,720	83,934	84,178
Labor force ¹	63,055	63,151	63,374	63,540	63,430	63,617	63,648	63,950	64,085	64,366	63,956	64,433	64,874
Percent of population ²	77.8	77.6	77.7	77.6	77.2	77.2	77.0	77.1	77.1	77.1	76.4	76.8	77.1
Total employed ¹	58,303	58,692	58,920	59,129	59,040	58,547	58,138	57,999	57,657	57,401	57,272	57,865	58,674
Employment-population ratio ³	71.9	72.1	72.2	72.2	71.9	71.0	70.3	69.9	69.3	68.8	68.4	68.9	69.7
Resident Armed Forces	1,490	1,505	1,503	1,499	1,521	1,525	1,526	1,527	1,538	1,523	1,529	1,528	1,536
Civilian employed	56,813	57,187	57,417	57,630	57,519	57,022	56,612	56,472	56,119	55,878	55,743	56,338	57,138
Unemployed	4,752	4,460	4,454	4,411	4,390	5,071	5,510	5,951	6,427	6,965	6,684	6,567	6,200
Unemployment rate ⁴	7.5	7.1	7.0	6.9	6.9	8.0	8.7	9.3	10.0	10.8	10.5	10.2	9.6
Not in labor force	18,004	18,196	18,240	18,334	18,733	18,825	19,030	18,976	19,082	19,069	19,764	19,501	19,304
Women													
Noninstitutional population ¹	88,668	88,980	89,298	89,593	89,908	90,207	90,482	90,759	91,033	91,274	91,450	91,693	91,952
Labor force ¹	45,706	45,976	46,479	46,892	46,808	47,158	47,307	47,803	48,223	48,272	48,237	48,392	48,975
Percent of population ²	51.5	51.7	52.0	52.3	52.1	52.3	52.3	52.7	53.0	52.9	52.7	52.8	53.3
Total employed ¹	42,230	42,457	42,918	43,290	43,138	43,199	43,185	43,385	43,625	43,398	43,482	43,737	44,604
Employment-population ratio ³	47.6	47.7	48.1	48.3	48.0	47.9	47.7	47.8	47.9	47.5	47.5	47.7	48.5
Resident Armed Forces	127	129	131	131	137	134	137	138	140	141	136	142	144
Civilian employed	42,103	42,328	42,787	43,159	43,001	43,065	43,048	43,247	43,485	43,257	43,346	43,596	44,460
Unemployed	3,476	3,519	3,562	3,602	3,670	3,958	4,122	4,418	4,597	4,874	4,755	4,655	4,371
Unemployment rate ⁴	7.6	7.7	7.7	7.7	7.8	8.4	8.7	9.2	9.5	10.1	9.9	9.6	8.9
Not in labor force	42,962	43,004	42,819	42,701	43,100	43,049	43,175	42,956	42,810	43,002	43,213	43,301	42,978

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-41 through A-51 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-42. Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted

(Numbers in thousands)

Employment status, sex, and age	1980		1981				1982				1983		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
TOTAL													
Civilian noninstitutional population ¹	168,111	168,693	169,279	169,837	170,413	170,990	171,497	172,020	172,522	173,046	173,505	173,957	174,449
Civilian labor force	107,144	107,493	108,219	108,802	108,580	109,116	109,292	110,088	110,629	110,974	110,528	111,156	112,168
Percent of population	63.7	63.7	63.9	64.1	63.7	63.8	63.7	64.0	64.1	64.1	63.7	63.9	64.3
Employed	98,916	99,515	100,204	100,789	100,520	100,087	99,660	99,720	99,605	99,135	99,090	99,933	101,598
Employment-population ratio ²	58.8	59.0	59.2	59.3	59.0	58.5	58.1	58.0	57.7	57.3	57.1	57.4	58.2
Unemployed	8,228	7,979	8,016	8,013	8,059	9,029	9,632	10,369	11,025	11,839	11,439	11,222	10,571
Unemployment rate	7.7	7.4	7.4	7.4	7.4	8.3	8.8	9.4	10.0	10.7	10.3	10.1	9.4
Men, 20 years and over													
Civilian noninstitutional population ¹	71,313	71,634	71,946	72,251	72,567	72,912	73,205	73,492	73,775	74,105	74,434	74,712	75,018
Civilian labor force	56,594	56,726	56,951	57,222	57,211	57,421	57,558	57,920	58,158	58,420	58,131	58,588	59,005
Percent of population	79.4	79.2	79.2	79.2	78.8	78.8	78.6	78.8	78.8	78.8	78.1	78.4	78.7
Employed	52,818	53,223	53,478	53,760	53,739	53,351	53,085	53,052	52,838	52,591	52,489	53,056	53,836
Employment-population ratio ²	74.1	74.3	74.3	74.4	74.1	73.2	72.5	72.2	71.6	71.0	70.5	71.0	71.8
Agriculture	2,366	2,392	2,372	2,404	2,386	2,370	2,389	2,429	2,444	2,422	2,407	2,459	2,490
Nonagricultural industries	50,452	50,832	51,106	51,357	51,353	50,981	50,696	50,623	50,394	50,168	50,083	50,598	51,345
Unemployed	3,776	3,503	3,473	3,462	3,472	4,069	4,473	4,868	5,320	5,829	5,642	5,532	5,169
Unemployment rate	6.7	6.2	6.1	6.0	6.1	7.1	7.8	8.4	9.1	10.0	9.7	9.4	8.8
Not in labor force	14,720	14,908	14,995	15,029	15,356	15,491	15,647	15,572	15,617	15,685	16,303	16,124	16,013
Women, 20 years and over													
Civilian noninstitutional population ¹	80,266	80,616	80,966	81,312	81,675	82,036	82,368	82,703	83,037	83,346	83,594	83,900	84,227
Civilian labor force	41,203	41,512	42,030	42,494	42,491	42,938	43,107	43,602	44,006	44,111	44,195	44,371	44,940
Percent of population	51.3	51.5	51.9	52.3	52.0	52.3	52.3	52.7	53.0	52.9	52.9	52.9	53.4
Employed	38,500	38,728	39,250	39,682	39,601	39,831	39,842	40,048	40,322	40,150	40,269	40,594	41,391
Employment-population ratio ²	48.0	48.0	48.5	48.8	48.5	48.6	48.4	48.4	48.6	48.2	48.2	48.4	49.1
Agriculture	582	618	607	595	606	611	624	600	592	599	643	618	604
Nonagricultural industries	37,918	38,110	38,643	39,087	38,995	39,220	39,218	39,448	39,730	39,551	39,626	39,976	40,787
Unemployed	2,703	2,784	2,780	2,812	2,890	3,107	3,266	3,554	3,684	3,961	3,926	3,777	3,550
Unemployment rate	6.6	6.7	6.6	6.6	6.8	7.2	7.6	8.2	8.4	9.0	8.9	8.5	7.9
Not in labor force	39,062	39,104	38,936	38,818	39,184	39,098	39,261	39,101	39,031	39,235	39,399	39,529	39,287
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	16,532	16,442	16,367	16,275	16,171	16,042	15,923	15,825	15,709	15,595	15,477	15,345	15,205
Civilian labor force	9,347	9,255	9,239	9,087	8,878	8,757	8,626	8,566	8,466	8,443	8,202	8,196	8,223
Percent of population	56.5	56.3	56.4	55.8	54.9	54.6	54.2	54.1	53.9	54.1	53.0	53.4	54.1
Employed	7,598	7,563	7,476	7,347	7,180	6,905	6,733	6,619	6,445	6,394	6,332	6,283	6,371
Employment-population ratio ²	46.0	46.0	45.7	45.1	44.4	43.0	42.3	41.8	41.0	41.0	40.9	40.9	41.9
Agriculture	394	402	393	418	365	346	359	362	377	409	344	343	341
Nonagricultural industries	7,204	7,161	7,083	6,929	6,815	6,559	6,375	6,257	6,069	5,985	5,988	5,941	6,030
Unemployed	1,749	1,692	1,763	1,740	1,698	1,852	1,893	1,947	2,020	2,049	1,871	1,913	1,852
Unemployment rate	18.7	18.3	19.1	19.1	19.1	21.2	21.9	22.7	23.9	24.3	22.8	23.3	22.5
Not in labor force	7,184	7,187	7,128	7,188	7,293	7,285	7,297	7,259	7,243	7,152	7,275	7,149	6,982

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
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A-43. 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	1980		1981				1982				1983		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
WHITE													
Civilian noninstitutional population ¹	146,439	146,889	147,148	147,671	148,164	148,650	148,943	149,309	149,586	149,927	150,233	150,666	150,994
Civilian labor force	93,689	94,016	94,648	95,188	94,986	95,422	95,450	96,170	96,467	96,679	96,053	96,633	97,516
Percent of population	64.0	64.0	64.3	64.5	64.1	64.2	64.1	64.4	64.5	64.5	63.9	64.1	64.6
Employed	87,312	87,874	88,455	89,021	88,889	88,471	88,064	88,150	87,957	87,452	87,328	88,122	89,558
Employment-population ratio ²	59.6	59.8	60.1	60.3	60.0	59.5	59.1	59.0	58.8	58.3	58.1	58.5	59.3
Unemployed	6,377	6,142	6,193	6,167	6,096	6,951	7,386	8,020	8,509	9,227	8,725	8,511	7,957
Unemployment rate	6.8	6.5	6.5	6.5	6.4	7.3	7.7	8.3	8.8	9.5	9.1	8.8	8.2
Men, 20 years and over													
Civilian labor force	50,131	50,279	50,432	50,730	50,676	50,869	50,889	51,207	51,343	51,531	51,133	51,606	51,907
Percent of population	79.7	79.7	79.7	79.8	79.3	79.3	79.1	79.3	79.3	79.3	78.4	78.8	79.0
Employed	47,161	47,500	47,697	48,014	48,006	47,664	47,438	47,375	47,145	46,882	46,772	47,303	47,897
Employment-population ratio ²	75.0	75.3	75.4	75.5	75.2	74.3	73.7	73.4	72.8	72.2	71.7	72.2	72.9
Unemployed	2,970	2,779	2,735	2,716	2,669	3,205	3,452	3,833	4,198	4,648	4,361	4,303	4,010
Unemployment rate	5.9	5.5	5.4	5.4	5.3	6.3	6.8	7.5	8.2	9.0	8.5	8.3	7.7
Women, 20 years and over													
Civilian labor force	35,292	35,544	36,025	36,432	36,426	36,797	36,923	37,357	37,695	37,743	37,630	37,837	38,405
Percent of population	50.6	50.8	51.3	51.7	51.4	51.7	51.7	52.2	52.5	52.4	52.1	52.2	52.8
Employed	33,243	33,486	33,948	34,342	34,319	34,493	34,476	34,689	34,927	34,753	34,751	35,073	35,833
Employment-population ratio ²	47.7	47.8	48.3	48.7	48.5	48.5	48.3	48.4	48.6	48.2	48.1	48.4	49.3
Unemployed	2,049	2,057	2,077	2,091	2,107	2,304	2,448	2,668	2,768	2,990	2,880	2,763	2,572
Unemployment rate	5.8	5.8	5.8	5.7	5.8	6.3	6.6	7.1	7.3	7.9	7.7	7.3	6.7
Both sexes, 16 to 19 years													
Civilian labor force	8,267	8,193	8,190	8,025	7,884	7,756	7,637	7,606	7,429	7,405	7,290	7,190	7,204
Percent of population	59.7	59.6	60.0	59.1	58.5	58.0	57.7	57.9	57.1	57.3	56.9	56.6	57.4
Employed	6,909	6,887	6,810	6,665	6,564	6,314	6,150	6,086	5,885	5,816	5,805	5,746	5,829
Employment-population ratio ²	49.9	50.1	49.9	49.1	48.7	47.3	46.5	46.3	45.2	45.0	45.3	45.3	46.5
Unemployed	1,358	1,306	1,380	1,360	1,320	1,441	1,487	1,520	1,544	1,589	1,485	1,444	1,375
Unemployment rate	16.4	15.9	16.9	17.0	16.7	18.6	19.5	20.0	20.8	21.5	20.4	20.1	19.1
Men	17.4	17.1	17.8	17.5	17.1	19.2	20.5	21.3	22.4	22.8	21.7	20.6	20.1
Women	15.3	14.7	15.8	16.4	16.4	17.8	18.4	18.5	19.0	20.0	18.9	19.6	18.0
BLACK													
Civilian noninstitutional population ¹	17,884	17,977	18,076	18,171	18,268	18,363	18,450	18,541	18,628	18,719	18,796	18,881	18,968
Civilian labor force	10,933	10,968	11,001	11,104	11,041	11,204	11,210	11,262	11,395	11,465	11,548	11,696	11,746
Percent of population	61.1	61.0	60.9	61.1	60.4	61.0	60.8	60.7	61.2	61.2	61.4	61.9	61.9
Employed	9,298	9,317	9,385	9,425	9,297	9,314	9,255	9,172	9,201	9,129	9,224	9,277	9,457
Employment-population ratio ²	52.0	51.8	51.9	51.9	50.9	50.7	50.2	49.5	49.4	48.8	49.1	49.1	49.9
Unemployed	1,635	1,651	1,616	1,679	1,744	1,891	1,956	2,090	2,194	2,336	2,324	2,419	2,289
Unemployment rate	15.0	15.1	14.7	15.1	15.8	16.9	17.4	18.6	19.3	20.4	20.1	20.7	19.5
Men, 20 years and over													
Civilian labor force	5,181	5,152	5,164	5,225	5,230	5,281	5,295	5,353	5,380	5,454	5,446	5,550	5,579
Percent of population	75.6	74.7	74.4	74.8	74.4	74.6	74.4	74.7	74.7	75.2	74.7	75.7	75.6
Employed	4,462	4,503	4,549	4,544	4,517	4,469	4,439	4,436	4,408	4,375	4,408	4,452	4,574
Employment-population ratio ²	65.1	65.3	65.5	65.1	64.3	63.1	62.3	61.9	61.2	60.3	60.5	60.7	62.0
Unemployed	719	648	615	681	713	811	856	917	973	1,078	1,038	1,098	1,004
Unemployment rate	13.9	12.6	11.9	13.0	13.6	15.4	16.2	17.1	18.1	19.8	19.1	19.8	18.0
Women, 20 years and over													
Civilian labor force	4,858	4,927	4,948	4,988	4,995	5,071	5,086	5,115	5,176	5,178	5,333	5,299	5,341
Percent of population	55.6	56.1	56.0	56.1	55.8	56.3	56.1	56.1	56.4	56.1	57.6	56.9	57.0
Employed	4,296	4,276	4,300	4,337	4,312	4,369	4,351	4,335	4,372	4,329	4,392	4,396	4,478
Employment-population ratio ²	49.2	48.7	48.6	48.8	48.2	48.5	48.0	47.5	47.7	46.9	47.4	47.2	47.8
Unemployed	562	651	648	651	683	701	735	780	804	849	941	903	863
Unemployment rate	11.6	13.2	13.1	13.1	13.7	13.8	14.5	15.2	15.5	16.4	17.6	17.0	16.2

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-43. 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	1980		1981				1982				1983		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	895	890	889	891	816	853	829	794	838	834	769	847	827
Percent of population	39.0	38.8	38.7	38.9	35.7	37.5	36.6	35.2	37.3	37.2	34.2	37.9	37.3
Employed	541	538	536	544	468	475	465	401	421	425	424	430	405
Employment-population ratio ²	23.6	23.5	23.3	23.7	20.5	20.9	20.5	17.8	18.8	19.0	18.9	19.2	18.2
Unemployed	354	352	353	347	348	378	365	393	417	408	345	418	422
Unemployment rate	39.6	39.6	39.7	39.0	42.6	44.3	44.0	49.5	49.7	49.0	44.9	49.3	51.0
Men	39.6	39.9	39.2	39.3	43.1	41.4	42.7	51.1	50.2	51.6	45.2	50.8	53.0
Women	39.6	39.1	40.4	38.6	42.1	47.5	45.4	47.7	49.2	46.1	44.4	47.6	48.8
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	9,144	9,132	9,113	9,199	9,383	9,545	9,346	9,320	9,558	9,377	9,416	9,717	9,677
Civilian labor force	5,785	5,844	5,925	5,937	5,926	6,097	6,038	5,978	5,993	5,931	6,016	6,209	6,134
Percent of population	63.3	64.0	65.0	64.5	63.2	63.9	64.6	64.1	62.7	63.3	63.9	63.9	63.4
Employed	5,153	5,250	5,273	5,352	5,346	5,421	5,292	5,183	5,132	5,028	5,061	5,334	5,351
Employment-population ratio ²	56.4	57.5	57.9	58.2	57.0	56.8	56.6	55.6	53.7	53.6	53.7	54.9	55.3
Unemployed	632	594	651	584	582	676	746	796	861	903	955	875	783
Unemployment rate	10.9	10.2	11.0	9.8	9.8	11.1	12.4	13.3	14.4	15.2	15.9	14.1	12.8

¹ The population figures are not adjusted for seasonal variation.

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

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-44. Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted

(Numbers in thousands)

Full- and part-time status, sex and age	1980		1981				1982				1983		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
FULL TIME													
Total:													
Civilian labor force	91,588	91,926	92,456	92,866	92,889	93,497	93,576	94,138	94,535	95,082	94,941	95,539	96,021
Employed ¹	84,735	85,295	85,869	86,323	86,335	85,974	85,520	85,424	85,246	84,964	85,130	86,081	87,086
Unemployed	6,854	6,631	6,588	6,542	6,554	7,523	8,056	8,714	9,289	10,118	9,811	9,478	8,934
Unemployment rate	7.5	7.2	7.1	7.0	7.1	8.0	8.6	9.3	9.8	10.6	10.3	9.9	9.3
Men, 20 years and over:													
Civilian labor force	53,779	53,895	54,009	54,380	54,315	54,554	54,559	54,923	55,082	55,396	54,990	55,547	55,873
Employed ¹	50,176	50,555	50,754	51,126	51,078	50,707	50,339	50,319	50,031	49,811	49,640	50,309	50,984
Unemployed	3,603	3,340	3,256	3,255	3,237	3,848	4,219	4,605	5,051	5,584	5,350	5,237	4,889
Unemployment rate	6.7	6.2	6.0	6.0	6.0	7.1	7.7	8.4	9.2	10.1	9.7	9.4	8.8
Women, 20 years and over:													
Civilian labor force	32,847	33,118	33,578	33,747	33,883	34,300	34,439	34,844	35,158	35,253	35,611	35,674	36,023
Employed ¹	30,609	30,808	31,253	31,453	31,526	31,694	31,716	31,871	32,092	31,911	32,272	32,511	33,031
Unemployed	2,238	2,309	2,325	2,294	2,357	2,606	2,724	2,974	3,066	3,342	3,338	3,163	2,992
Unemployment rate	6.8	7.0	6.9	6.8	7.0	7.6	7.9	8.5	8.7	9.5	9.4	8.9	8.3
Both sexes, 16 to 19 years:													
Civilian labor force	4,962	4,912	4,869	4,738	4,690	4,642	4,578	4,370	4,293	4,433	4,340	4,318	4,124
Employed ¹	3,950	3,931	3,862	3,744	3,731	3,573	3,465	3,234	3,122	3,242	3,217	3,241	3,071
Unemployed	1,013	982	1,006	994	960	1,069	1,113	1,135	1,171	1,192	1,122	1,077	1,053
Unemployment rate	20.4	20.0	20.7	21.0	20.5	23.0	24.3	26.0	27.3	26.9	25.9	24.9	25.5
PART TIME													
Total:													
Civilian labor force	15,682	15,537	15,701	15,928	15,768	15,623	15,690	15,964	16,175	15,890	15,589	15,600	16,199
Employed ¹	14,313	14,183	14,278	14,444	14,267	14,117	14,118	14,300	14,442	14,157	13,966	13,842	14,564
Unemployed	1,368	1,353	1,423	1,484	1,501	1,506	1,572	1,664	1,733	1,733	1,623	1,758	1,636
Unemployment rate	8.7	8.7	9.1	9.3	9.5	9.6	10.0	10.4	10.7	10.9	10.4	11.3	10.1
Men, 20 years and over:													
Civilian labor force	2,807	2,852	2,900	2,873	2,883	2,886	2,959	3,026	3,090	3,049	3,095	3,054	3,128
Employed ¹	2,630	2,671	2,697	2,666	2,648	2,649	2,717	2,764	2,820	2,777	2,822	2,760	2,856
Unemployed	177	180	202	208	235	237	241	262	270	272	273	294	273
Unemployment rate	6.3	6.3	7.0	7.2	8.2	8.2	8.2	8.6	8.7	8.9	8.8	9.6	8.7
Women, 20 years and over:													
Civilian labor force	8,405	8,365	8,451	8,725	8,663	8,610	8,667	8,732	8,904	8,823	8,602	8,674	8,936
Employed ¹	7,948	7,897	7,985	8,204	8,130	8,117	8,116	8,154	8,282	8,213	8,001	8,059	8,368
Unemployed	457	468	465	521	533	492	551	578	623	610	601	615	569
Unemployment rate	5.4	5.6	5.5	6.0	6.2	5.7	6.4	6.6	7.0	6.9	7.0	7.1	6.4
Both sexes, 16 to 19 years:													
Civilian labor force	4,470	4,320	4,351	4,329	4,223	4,127	4,064	4,206	4,181	4,018	3,892	3,872	4,134
Employed ¹	3,736	3,615	3,595	3,574	3,490	3,350	3,284	3,381	3,340	3,167	3,143	3,023	3,340
Unemployed	734	705	756	756	733	777	780	825	841	851	749	849	794
Unemployment rate	16.4	16.3	17.4	17.5	17.4	18.8	19.2	19.6	20.1	21.2	19.2	21.9	19.2

¹ Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether seeking full- or part-time work.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-45. Employed civilians by selected social and economic categories, seasonally adjusted

(In thousands)

Category	1980		1981				1982				1983		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
CHARACTERISTIC													
Total	98,916	99,515	100,204	100,789	100,520	100,087	99,660	99,720	99,605	99,135	99,090	99,933	101,598
Married men, spouse present	38,656	38,928	39,029	39,065	38,864	38,571	38,286	38,247	38,099	37,667	37,443	37,669	38,285
Married women, spouse present	23,455	23,574	23,890	24,066	23,896	23,825	23,848	24,111	24,189	24,074	24,149	24,311	24,869
Women who maintain families	4,785	4,820	4,919	5,028	4,979	5,065	5,115	5,068	5,175	5,039	5,062	4,967	5,105
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,380	1,434	1,439	1,509	1,472	1,426	1,420	1,476	1,536	1,569	1,592	1,597	1,637
Self-employed workers	1,660	1,655	1,643	1,650	1,625	1,634	1,640	1,665	1,615	1,625	1,571	1,591	1,540
Unpaid family workers	302	315	283	265	253	271	317	257	254	231	238	233	247
Nonagricultural industries:													
Wage and salary workers	88,195	88,610	89,310	89,919	89,712	89,242	88,716	88,625	88,543	87,992	87,840	88,645	90,191
Government	15,945	15,943	15,925	15,794	15,541	15,500	15,517	15,511	15,571	15,476	15,447	15,513	15,620
Private industries	72,251	72,667	73,385	74,125	74,171	73,743	73,198	73,114	72,972	72,516	72,393	73,132	74,571
Private households	1,207	1,172	1,218	1,210	1,186	1,222	1,213	1,202	1,216	1,200	1,210	1,250	1,290
Other industries	71,044	71,494	72,187	72,915	72,985	72,521	71,986	71,912	71,756	71,316	71,183	71,882	73,281
Self-employed workers	7,024	7,110	7,081	7,070	7,111	7,120	7,084	7,270	7,349	7,339	7,434	7,476	7,639
Unpaid family workers	420	405	395	354	393	422	419	400	393	389	358	344	357
PERSONS AT WORK¹													
Nonagricultural industries	89,738	90,562	91,407	91,414	91,550	91,243	90,582	90,918	90,595	90,230	90,460	91,249	92,659
Full-time schedules	72,910	73,885	74,490	74,592	74,555	73,756	72,880	72,659	72,019	71,445	71,743	73,182	74,127
Part time for economic reasons	4,312	4,212	4,290	4,160	4,497	5,093	5,389	5,681	5,964	6,413	6,510	5,913	5,844
Usually work full time	1,819	1,662	1,657	1,574	1,731	2,019	2,050	2,173	2,222	2,254	2,075	1,753	1,775
Usually work part time	2,494	2,550	2,634	2,586	2,766	3,074	3,339	3,508	3,742	4,159	4,435	4,160	4,069
Part time for noneconomic reasons	12,516	12,465	12,627	12,682	12,498	12,394	12,313	12,579	12,612	12,372	12,208	12,154	12,688

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

A-46. Employed civilians by sex and age, seasonally adjusted

(In thousands)

Sex and age	1980		1981				1982				1983		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
Total, 16 years and over	98,916	99,515	100,204	100,789	100,520	100,087	99,660	99,720	99,605	99,135	99,090	99,933	101,598
16 to 24 years	21,585	21,664	21,650	21,496	21,342	20,905	20,556	20,390	20,087	19,919	19,827	19,893	20,224
16 to 19 years	7,598	7,563	7,476	7,347	7,180	6,905	6,733	6,619	6,445	6,394	6,332	6,283	6,371
16 to 17 years	3,055	3,008	2,982	2,895	2,856	2,735	2,664	2,547	2,406	2,402	2,369	2,285	2,313
18 to 19 years	4,546	4,552	4,489	4,449	4,317	4,180	4,077	4,072	4,041	3,985	3,975	3,998	4,057
20 to 24 years	13,986	14,101	14,174	14,149	14,162	14,000	13,823	13,771	13,642	13,524	13,495	13,610	13,852
25 years and over	77,366	77,836	78,540	79,285	79,215	79,164	79,084	79,319	79,570	79,199	79,263	80,020	81,437
25 to 54 years	62,840	63,383	64,013	64,689	64,814	64,805	64,773	64,955	65,188	64,899	65,030	65,931	67,161
55 years and over	14,553	14,448	14,509	14,591	14,426	14,357	14,277	14,368	14,410	14,292	14,183	14,096	14,287
Men, 16 years and over	56,813	57,187	57,417	57,630	57,519	57,022	56,612	56,472	56,119	55,878	55,743	56,338	57,138
16 to 24 years	11,419	11,450	11,467	11,389	11,345	11,068	10,822	10,656	10,444	10,384	10,308	10,456	10,608
16 to 19 years	3,996	3,963	3,939	3,870	3,780	3,670	3,527	3,420	3,282	3,287	3,254	3,282	3,302
16 to 17 years	1,627	1,603	1,586	1,515	1,524	1,481	1,414	1,349	1,224	1,240	1,256	1,188	1,205
18 to 19 years	2,375	2,354	2,352	2,354	2,257	2,193	2,116	2,071	2,063	2,039	2,012	2,092	2,095
20 to 24 years	7,423	7,487	7,528	7,519	7,565	7,397	7,295	7,236	7,163	7,097	7,054	7,175	7,306
25 years and over	45,413	45,729	45,939	46,242	46,187	45,944	45,777	45,821	45,693	45,483	45,439	45,877	46,555
25 to 54 years	36,600	36,925	37,131	37,472	37,500	37,319	37,198	37,235	37,134	36,985	37,005	37,512	38,060
55 years and over	8,814	8,790	8,808	8,785	8,684	8,614	8,572	8,605	8,561	8,488	8,420	8,386	8
Women, 16 years and over	42,103	42,328	42,787	43,159	43,001	43,065	43,048	43,247	43,485	43,257	43,346	43,596	
16 to 24 years	10,166	10,214	10,183	10,107	9,997	9,837	9,734	9,735	9,643	9,534	9,519	9,437	9,61
16 to 19 years	3,603	3,600	3,537	3,477	3,400	3,235	3,206	3,199	3,164	3,107	3,077	3,002	3,069
16 to 17 years	1,427	1,405	1,396	1,380	1,332	1,254	1,250	1,199	1,182	1,162	1,113	1,097	1,108
18 to 19 years	2,171	2,198	2,137	2,095	2,060	1,987	1,961	2,001	1,978	1,946	1,963	1,906	1,962
20 to 24 years	6,563	6,614	6,647	6,630	6,597	6,603	6,528	6,536	6,479	6,427	6,442	6,435	6,546
25 years and over	31,953	32,107	32,601	33,044	33,028	33,220	33,307	33,499	33,877	33,717	33,824	34,144	34,882
25 to 54 years	26,240	26,458	26,882	27,217	27,314	27,486	27,575	27,720	28,054	27,914	28,025	28,419	29,101
55 years and over	5,739	5,659	5,701	5,806	5,742	5,743	5,706	5,762	5,849	5,804	5,763	5,710	5,798

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-47. Unemployed persons by sex and age, seasonally adjusted

(In thousands)

Sex and age	1980		1981				1982				1983		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
Total, 16 years and over	8,228	7,979	8,016	8,013	8,059	9,029	9,632	10,369	11,025	11,839	11,439	11,222	10,571
16 to 24 years	3,702	3,608	3,668	3,723	3,630	3,940	4,130	4,284	4,448	4,635	4,427	4,339	4,116
16 to 19 years	1,749	1,692	1,763	1,740	1,698	1,852	1,893	1,947	2,020	2,049	1,871	1,913	1,852
16 to 17 years	814	783	814	800	737	772	786	822	847	870	756	805	756
18 to 19 years	929	908	952	945	953	1,078	1,112	1,131	1,164	1,176	1,119	1,114	1,089
20 to 24 years	1,953	1,916	1,905	1,984	1,932	2,088	2,237	2,337	2,428	2,586	2,556	2,426	2,264
25 years and over	4,522	4,359	4,362	4,295	4,415	5,078	5,520	6,095	6,558	7,198	7,028	6,902	6,431
25 to 54 years	4,017	3,850	3,817	3,786	3,889	4,487	4,850	5,340	5,804	6,339	6,203	6,076	5,673
55 years and over	520	510	535	503	547	590	652	749	793	860	806	820	780
Men, 16 years and over	4,752	4,460	4,454	4,411	4,390	5,071	5,510	5,951	6,427	6,965	6,684	6,567	6,200
16 to 24 years	2,151	2,077	2,090	2,106	2,008	2,224	2,352	2,447	2,542	2,667	2,523	2,482	2,374
16 to 19 years	976	957	981	950	918	1,001	1,036	1,083	1,107	1,136	1,042	1,036	1,031
16 to 17 years	456	441	453	448	402	421	438	462	477	498	411	431	421
18 to 19 years	516	516	530	505	511	580	600	624	625	637	632	609	606
20 to 24 years	1,175	1,120	1,109	1,156	1,090	1,223	1,316	1,364	1,435	1,531	1,482	1,446	1,343
25 years and over	2,605	2,374	2,373	2,307	2,378	2,840	3,168	3,505	3,877	4,298	4,169	4,086	3,809
25 to 54 years	2,288	2,086	2,054	2,005	2,080	2,496	2,747	3,059	3,428	3,755	3,624	3,563	3,335
55 years and over	333	299	303	299	315	355	397	442	477	558	515	520	487
Women, 16 years and over	3,476	3,519	3,562	3,602	3,670	3,958	4,122	4,418	4,597	4,874	4,755	4,655	4,371
16 to 24 years	1,551	1,531	1,578	1,617	1,622	1,716	1,777	1,837	1,906	1,968	1,904	1,857	1,742
16 to 19 years	773	735	782	790	780	851	857	864	913	913	829	877	821
16 to 17 years	359	342	361	353	335	351	348	360	370	372	345	375	335
18 to 19 years	413	393	422	439	442	499	512	507	539	538	487	505	483
20 to 24 years	778	796	796	827	842	865	921	973	993	1,055	1,075	980	921
25 years and over	1,917	1,984	1,989	1,988	2,038	2,238	2,351	2,590	2,681	2,900	2,859	2,816	2,622
25 to 54 years	1,729	1,764	1,763	1,782	1,808	1,991	2,103	2,281	2,376	2,584	2,579	2,514	2,338
55 years and over	187	211	232	204	232	236	254	307	316	301	290	300	292

A-48. Unemployment rates by sex and age, seasonally adjusted

(Civilian workers)

Sex and age	1980		1981				1982				1983		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
Total, 16 years and over	7.7	7.4	7.4	7.4	7.4	8.3	8.8	9.4	10.0	10.7	10.3	10.1	9.4
16 to 24 years	14.6	14.3	14.5	14.8	14.5	15.9	16.7	17.4	18.1	18.9	18.3	17.9	16.9
16 to 19 years	18.7	18.3	19.1	19.1	19.1	21.2	21.9	22.7	23.9	24.3	22.8	23.3	22.5
16 to 17 years	21.0	20.6	21.4	21.7	20.5	22.0	22.8	24.4	26.0	26.6	24.2	26.1	24.6
18 to 19 years	17.0	16.6	17.5	17.5	18.1	20.5	21.4	21.7	22.4	22.8	22.0	21.8	21.2
20 to 24 years	12.3	12.0	11.8	12.3	12.0	13.0	13.9	14.5	15.1	16.1	15.9	15.1	14.0
25 years and over	5.5	5.3	5.3	5.1	5.3	6.0	6.5	7.1	7.6	8.3	8.1	7.9	7.3
25 to 54 years	6.0	5.7	5.6	5.5	5.7	6.5	7.0	7.6	8.2	8.9	8.7	8.4	7.8
55 years and over	3.5	3.4	3.6	3.3	3.7	3.9	4.4	5.0	5.2	5.7	5.4	5.5	5.2
Men, 16 years and over	7.7	7.2	7.2	7.1	7.1	8.2	8.9	9.5	10.3	11.1	10.7	10.4	9.8
16 to 24 years	15.8	15.4	15.4	15.6	15.0	16.7	17.9	18.7	19.6	20.4	19.7	19.2	18.3
16 to 19 years	19.6	19.4	19.9	19.7	19.5	21.4	22.7	24.1	25.2	25.7	24.2	24.0	23.8
16 to 17 years	21.9	21.6	22.2	22.8	20.9	22.1	23.7	25.5	28.1	28.7	24.7	26.6	25.9
18 to 19 years	17.9	18.0	18.4	17.7	18.5	20.9	22.1	23.2	23.3	23.8	23.9	22.5	22.4
20 to 24 years	13.7	13.0	12.8	13.3	12.6	14.2	15.3	15.9	16.7	17.7	17.4	16.8	15.5
25 years and over	5.4	4.9	4.9	4.8	4.9	5.8	6.5	7.1	7.8	8.6	8.4	8.2	7.6
25 to 54 years	5.9	5.3	5.2	5.1	5.3	6.3	6.9	7.6	8.5	9.2	8.9	8.7	8.1
55 years and over	3.6	3.3	3.3	3.3	3.5	4.0	4.4	4.9	5.3	6.2	5.8	5.8	5.4
Women, 16 years and over	7.6	7.7	7.7	7.7	7.9	8.4	8.7	9.3	9.6	10.1	9.9	9.6	9.0
16 to 24 years	13.2	13.0	13.4	13.8	14.0	14.9	15.4	15.9	16.5	17.1	16.7	16.4	15.3
16 to 19 years	17.7	17.0	18.1	18.5	18.7	20.8	21.1	21.3	22.4	22.7	21.2	22.6	21.1
16 to 17 years	20.1	19.6	20.5	20.4	20.1	21.9	21.8	23.1	23.8	24.3	23.7	25.5	23.2
18 to 19 years	16.0	15.2	16.5	17.3	17.7	20.1	20.7	20.2	21.4	21.7	19.9	20.9	19.7
20 to 24 years	10.6	10.7	10.7	11.1	11.3	11.6	12.4	13.0	13.3	14.1	14.3	13.2	12.3
25 years and over	5.7	5.8	5.8	5.7	5.8	6.3	6.6	7.2	7.3	7.9	7.8	7.6	7.0
25 to 54 years	6.2	6.2	6.2	6.1	6.2	6.8	7.1	7.6	7.8	8.5	8.4	8.1	7.4
55 years and over	3.2	3.6	3.9	3.4	3.9	3.9	4.3	5.1	5.1	4.9	4.8	5.0	4.8

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-49. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1980		1981				1982				1983		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
CHARACTERISTIC													
Total (all civilian workers)	7.7	7.4	7.4	7.4	7.4	8.3	8.8	9.4	10.0	10.7	10.3	10.1	9.4
Men, 20 years and over	6.7	6.2	6.1	6.0	6.1	7.1	7.8	8.4	9.1	10.0	9.7	9.4	8.8
Women, 20 years and over	6.6	6.7	6.6	6.6	6.8	7.2	7.6	8.2	8.4	9.0	8.9	8.5	7.9
Both sexes, 16 to 19 years	18.7	18.3	19.1	19.1	19.1	21.2	21.9	22.7	23.9	24.3	22.8	23.3	22.5
White	6.8	6.5	6.5	6.5	6.4	7.3	7.7	8.3	8.8	9.5	9.1	8.8	8.2
Black and other	13.7	13.7	13.3	13.7	14.4	15.3	16.0	17.0	17.7	18.6	18.5	18.8	17.7
Black	15.0	15.1	14.7	15.1	15.8	16.9	17.4	18.6	19.3	20.4	20.1	20.7	19.5
Hispanic origin	10.9	10.2	11.0	9.8	9.8	11.1	12.4	13.3	14.4	15.2	15.9	14.1	12.8
Married men, spouse present	4.8	4.3	4.2	4.0	4.1	5.1	5.4	6.2	6.9	7.6	7.1	6.9	6.2
Married women, spouse present	6.1	5.9	5.9	5.7	5.8	6.4	6.7	7.3	7.4	8.1	7.6	7.5	8.9
Women who maintain families	9.1	10.0	10.0	10.3	10.7	10.6	10.6	11.8	12.0	12.3	13.2	13.0	11.8
Full-time workers	7.5	7.2	7.1	7.0	7.1	8.0	8.6	9.3	9.8	10.6	10.3	9.9	9.3
Part-time workers	8.7	8.7	9.1	9.3	9.5	9.6	10.0	10.4	10.7	10.9	10.4	11.3	10.1
Unemployed 15 weeks and over ¹	2.0	2.2	2.2	2.1	2.0	2.2	2.5	3.0	3.3	4.0	4.2	4.0	3.7
Labor force time lost ²	8.3	8.3	8.3	8.2	8.2	9.5	10.0	10.5	11.1	12.4	11.8	11.2	10.5
INDUSTRY													
Nonagricultural private wage and salary workers	8.0	7.7	7.5	7.4	7.5	8.5	9.1	9.9	10.4	11.4	10.8	10.4	9.6
Mining	6.7	8.3	5.7	5.6	5.8	7.2	8.5	12.2	16.7	18.0	18.0	20.4	16.2
Construction	16.0	14.1	14.1	15.5	15.8	17.6	18.4	19.2	20.9	22.1	20.0	19.6	18.1
Manufacturing	9.4	8.9	8.4	7.6	7.5	9.6	10.5	11.7	12.7	14.6	13.0	12.1	10.6
Durable goods	10.2	9.1	8.3	7.3	7.2	9.8	11.0	12.4	13.7	16.7	14.5	13.1	11.2
Nondurable goods	8.3	8.6	8.4	8.1	7.9	9.2	9.9	10.7	11.3	11.4	11.0	10.6	9.8
Transportation and public utilities	5.8	5.1	5.7	5.3	4.6	5.4	5.9	6.6	7.0	8.1	7.9	7.5	7.5
Wholesale and retail trade	7.7	8.0	7.7	7.7	8.2	8.7	9.3	10.0	10.1	10.7	11.0	10.2	9.7
Finance and service industries	5.6	5.5	5.7	5.8	5.8	6.2	6.4	6.9	7.0	7.6	7.4	7.3	7.2
Agricultural wage and salary workers	11.9	10.7	11.8	11.0	11.6	13.9	14.3	16.0	13.9	15.1	16.2	17.1	15.0

¹ Unemployment as a percent of the civilian labor force.

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

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

A-50. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

Weeks of unemployment	1980		1981				1982				1983		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
DURATION													
Less than 5 weeks	3,350	3,189	3,280	3,297	3,391	3,852	3,823	3,802	3,965	3,971	3,569	3,574	3,644
5 to 14 weeks	2,696	2,446	2,381	2,471	2,469	2,851	3,082	3,311	3,381	3,507	3,191	3,016	2,877
15 weeks and over	2,142	2,356	2,336	2,242	2,205	2,352	2,705	3,288	3,687	4,474	4,622	4,488	4,095
15 to 26 weeks	1,221	1,241	1,092	1,101	1,093	1,204	1,431	1,633	1,806	2,089	1,911	1,677	1,583
27 weeks and over	921	1,115	1,244	1,141	1,112	1,149	1,274	1,655	1,881	2,385	2,712	2,810	2,513
Average (mean) duration, in weeks	12.4	13.5	14.1	13.8	14.0	13.2	13.8	15.2	16.1	17.5	19.2	20.5	20.6
Median duration, in weeks	7.3	7.5	7.2	7.1	6.9	6.8	7.5	8.9	8.7	9.9	10.5	11.8	9.3
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	40.9	39.9	41.0	41.2	42.0	42.5	39.8	36.6	35.9	33.2	31.4	32.3	34.3
5 to 14 weeks	32.9	30.6	29.8	30.9	30.6	31.5	32.1	31.8	30.6	29.3	28.0	27.2	27.1
15 weeks and over	26.2	29.5	29.2	28.0	27.3	26.0	28.1	31.6	33.4	37.4	40.6	40.5	38.6
15 to 26 weeks	14.9	15.5	13.7	13.7	13.6	13.3	14.9	15.7	16.4	17.5	16.8	15.1	14.9
27 weeks and over	11.2	13.9	15.6	14.2	13.8	12.7	13.3	15.9	17.1	20.0	23.8	25.4	23.7

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-51. Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reasons for unemployment	1980		1981				1982				1983		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
NUMBER OF UNEMPLOYED													
Job losers	4,500	4,231	4,036	4,032	4,171	4,859	5,372	6,003	6,583	7,330	6,779	6,676	6,133
On layoff	1,816	1,488	1,325	1,324	1,330	1,770	1,829	2,007	2,323	2,506	2,033	1,904	1,656
Other job losers	2,683	2,743	2,711	2,707	2,841	3,089	3,543	3,996	4,260	4,824	4,745	4,772	4,477
Job leavers	908	889	911	923	920	937	890	864	806	808	863	799	791
Reentrants	1,944	1,984	2,065	2,048	2,047	2,255	2,222	2,371	2,452	2,499	2,513	2,426	2,435
New entrants	899	911	986	977	944	1,015	1,071	1,115	1,279	1,276	1,163	1,312	1,229
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	54.5	52.8	50.5	50.5	51.6	53.6	56.2	58.0	59.2	61.5	59.9	59.5	57.9
On layoff	22.0	18.6	16.6	16.6	16.5	19.5	19.1	19.4	20.9	21.0	18.0	17.0	15.6
Other job losers	32.5	34.2	33.9	33.9	35.1	34.1	37.1	38.6	38.3	40.5	41.9	42.6	42.3
Job leavers	11.0	11.1	11.4	11.6	11.4	10.3	9.3	8.3	7.3	6.8	7.6	7.1	7.5
Reentrants	23.6	24.8	25.8	25.7	25.3	24.9	23.3	22.9	22.0	21.0	22.2	21.6	23.0
New entrants	10.9	11.4	12.3	12.2	11.7	11.2	11.2	10.8	11.5	10.7	10.3	11.7	11.6
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	4.2	3.9	3.7	3.7	3.8	4.5	4.9	5.5	6.0	6.6	6.1	6.0	5.5
Job leavers .....	.8	.8	.8	.8	.8	.9	.8	.8	.7	.7	.8	.7	.7
Reentrants	1.8	1.8	1.9	1.9	1.9	2.1	2.0	2.2	2.2	2.3	2.3	2.2	2.2
New entrants .....	.8	.8	.9	.9	.9	.9	1.0	1.0	1.2	1.1	1.1	1.2	1.1

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-52. Persons not in the labor force by reason, sex, and race, seasonally adjusted

(In thousands)

Reason, sex, and race	1980		1981				1982				1983		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
TOTAL													
Total not in labor force	60,967	61,200	61,060	61,035	61,833	61,874	62,205	61,932	61,893	62,072	62,977	62,801	62,281
Do not want a job now	55,484	55,551	55,221	55,586	56,064	55,922	56,016	55,678	55,258	55,322	56,171	56,053	55,564
Current activity:													
Going to school	6,734	6,335	6,337	6,588	6,516	6,485	6,368	6,746	6,309	6,400	6,635	6,402	6,419
Ill, disabled	4,190	4,337	4,198	4,265	4,345	4,270	4,055	4,069	4,040	3,978	3,946	4,106	3,792
Keeping house	29,329	29,474	28,817	28,812	28,977	28,533	28,982	28,325	28,212	28,127	28,432	28,283	28,238
Retired	11,136	11,170	11,515	11,771	11,901	12,108	12,104	12,206	12,442	12,576	13,025	13,015	12,852
Other activity	4,076	4,236	4,354	4,150	4,325	4,526	4,507	4,333	4,254	4,241	4,132	4,247	4,263
Want a job now	5,891	5,724	5,918	5,679	5,716	6,037	6,132	6,589	6,666	6,995	6,406	6,540	6,841
Reason not looking:													
School attendance	1,644	1,524	1,559	1,544	1,536	1,591	1,620	1,708	1,803	1,887	1,629	1,492	1,902
Ill health, disability	801	712	800	731	704	834	764	779	778	758	649	695	861
Home responsibilities	1,287	1,219	1,293	1,276	1,183	1,386	1,353	1,480	1,370	1,373	1,384	1,474	1,446
Think cannot get a job	1,014	1,061	1,094	1,042	1,108	1,191	1,331	1,487	1,638	1,849	1,764	1,709	1,605
Job-market factors	693	726	825	725	812	890	1,045	1,082	1,222	1,391	1,442	1,306	1,187
Personal factors	321	335	269	317	296	301	286	405	416	458	322	403	418
Other reasons ¹	1,145	1,208	1,172	1,086	1,185	1,035	1,063	1,135	1,078	1,128	980	1,171	1,027
Men													
Total not in labor force	18,004	18,196	18,240	18,334	18,733	18,825	19,030	18,976	19,082	19,069	19,764	19,501	19,304
Do not want a job now	16,150	16,384	16,331	16,613	16,875	16,883	16,827	16,972	16,939	16,893	17,250	17,194	16,910
Want a job now	1,956	1,853	1,934	1,867	1,830	2,014	2,074	2,166	2,298	2,390	2,187	2,215	2,447
Reason not looking:													
School attendance	860	754	797	771	731	801	879	899	964	1,022	868	763	1,127
Ill health, disability	362	294	376	334	318	409	322	334	342	299	285	305	389
Think cannot get a job	386	367	373	412	389	439	509	577	595	690	707	693	591
Other reasons ¹	349	438	388	351	392	366	363	356	397	380	327	454	340
Women													
Total not in labor force	42,962	43,004	42,819	42,701	43,100	43,049	43,175	42,956	42,810	43,002	43,213	43,301	42,978
Do not want a job now	39,314	39,167	38,890	38,973	39,189	39,039	39,190	38,706	38,319	38,429	38,921	38,859	38,654
Want a job now	3,935	3,871	3,984	3,812	3,886	4,023	4,058	4,423	4,369	4,605	4,219	4,325	4,394
Reason not looking:													
School attendance	785	770	762	773	805	791	741	809	839	866	761	729	775
Ill health, disability	440	418	424	397	387	425	442	445	436	459	364	390	472
Home responsibilities	1,287	1,219	1,293	1,276	1,183	1,386	1,353	1,480	1,370	1,373	1,384	1,474	1,446
Think cannot get a job	627	695	722	630	718	751	822	911	1,043	1,159	1,057	1,016	1,014
Other reasons ¹	796	770	784	735	793	670	700	778	681	748	653	716	687
White													
Total not in labor force	52,750	52,873	52,500	52,483	53,178	53,228	53,493	53,139	53,119	53,248	54,180	54,033	53,478
Do not want a job now	48,505	48,658	48,184	48,416	48,943	48,839	48,970	48,535	48,431	48,444	49,178	49,215	48,787
Want a job now	4,217	4,178	4,347	4,117	4,104	4,400	4,417	4,707	4,772	4,972	4,675	4,833	4,721
Reason not looking:													
School attendance	1,097	1,075	1,112	1,050	984	1,163	1,171	1,202	1,226	1,320	1,194	1,119	1,122
Ill health, disability	539	495	580	519	501	561	525	556	549	505	471	522	637
Home responsibilities	986	931	950	978	869	1,040	992	1,039	1,043	1,029	1,043	1,031	1,075
Think cannot get a job	698	681	750	705	747	800	875	995	1,072	1,247	1,193	1,261	1,063
Other reasons ¹	897	997	955	866	1,003	836	853	914	882	871	773	900	824
Black													
Total not in labor force	6,951	7,009	7,075	7,067	7,227	7,159	7,240	7,279	7,233	7,254	7,248	7,185	7,222
Do not want a job now	5,603	5,662	5,666	5,668	5,875	5,757	5,631	5,598	5,594	5,549	5,662	5,701	5,505
Want a job now	1,360	1,353	1,409	1,393	1,407	1,410	1,604	1,678	1,631	1,763	1,595	1,525	1,728
Reason not looking:													
School attendance	368	393	381	410	434	368	398	416	442	505	400	320	508
Ill health, disability	218	182	215	214	192	233	230	222	215	221	168	170	209
Home responsibilities	297	283	295	272	286	309	321	387	295	318	317	376	344
Think cannot get a job	273	307	330	316	326	339	455	449	502	529	543	409	492
Other reasons ¹	204	189	189	181	170	161	200	204	177	190	168	251	175

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

A-53. Persons not in the labor force by reason, sex, and age

(In thousands)

Reason and sex	Total		Age							
	III 1982	III 1983	16 to 19 years		20 to 24 years		25 to 59 years		60 years and over	
			III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983
TOTAL										
Total not in labor force	60,869	61,198	6,220	5,952	4,342	4,229	22,039	22,206	28,268	28,810
Do not want a job now	54,595	54,869	4,726	4,706	3,252	3,153	18,846	18,759	27,771	28,248
Current activity:										
Going to school	3,603	3,724	2,097	2,076	959	1,024	546	615	1	10
Ill, disabled	4,076	3,843	37	48	105	96	1,908	1,768	2,027	1,930
Keeping house	28,319	28,305	462	529	1,560	1,408	13,610	13,398	12,687	12,967
Retired	12,681	13,093	-	-	-	-	304	321	12,377	12,769
Other activity	5,916	5,904	2,130	2,053	628	625	2,478	2,657	679	572
Want a job now	6,275	6,328	1,495	1,245	1,088	1,075	3,193	3,447	500	560
Reason for not looking:										
School attendance	1,001	973	628	576	194	205	177	187	2	4
Ill health, disability	729	810	48	25	47	101	484	523	150	161
Home responsibilities	1,545	1,620	116	96	338	352	1,070	1,121	21	51
Think cannot get a job	1,687	1,661	408	310	269	247	833	926	177	179
Job-market factors	1,277	1,233	305	230	225	186	651	738	95	78
Personal factors	409	429	103	80	46	61	180	188	80	101
Other reasons ¹	1,313	1,263	295	238	240	170	629	690	150	165
Men										
Total not in labor force	18,304	18,475	2,895	2,723	1,297	1,223	3,479	3,680	10,632	10,849
Do not want a job now	16,351	16,537	2,208	2,129	950	883	2,789	2,898	10,400	10,630
Current activity:										
Going to school	1,860	1,811	1,064	1,022	551	522	243	264	-	3
Ill, disabled	2,184	2,103	19	21	80	45	1,082	1,027	1,003	1,012
Keeping house	329	315	13	25	11	6	76	87	227	196
Retired	8,970	9,275	-	-	-	-	248	266	8,721	9,007
Other activity	3,008	3,034	1,112	1,061	308	310	1,140	1,254	449	412
Want a job now	1,953	1,937	686	594	348	341	690	785	231	219
Reason for not looking:										
School attendance	493	515	322	319	95	115	75	82	2	-
Ill health, disability	315	358	25	6	15	56	209	231	66	64
Think cannot get a job	652	640	189	157	127	101	251	292	84	92
Other reasons ¹	494	424	150	112	111	69	155	180	79	63
Women										
Total not in labor force	42,565	42,723	3,325	3,229	3,045	3,006	18,560	18,527	17,636	17,960
Do not want a job now	38,244	38,332	2,517	2,579	2,303	2,270	16,056	15,862	17,366	17,618
Current activity:										
Going to school	1,743	1,914	1,033	1,054	408	501	302	350	1	8
Ill, disabled	1,892	1,740	17	29	25	52	826	741	1,022	918
Keeping house	27,990	27,989	448	504	1,549	1,402	13,534	13,312	12,458	12,771
Retired	3,712	3,819	-	-	-	-	56	56	3,655	3,762
Other activity	2,908	2,870	1,019	992	321	315	1,338	1,403	230	159
Want a job now	4,321	4,390	809	650	741	737	2,505	2,664	268	341
Reason not looking:										
School attendance	509	458	306	258	99	91	103	106	-	4
Ill health, disability	414	452	24	18	31	45	276	293	84	97
Home responsibilities	1,545	1,620	116	96	338	352	1,070	1,121	21	51
Think cannot get a job	1,035	1,021	219	152	143	147	581	634	92	87
Other reasons ¹	819	839	144	126	130	102	475	510	71	102

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-53 and A-54 may not add to not-in-labor-

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Reason, race, and Hispanic origin	Total		Age						Sex			
	III 1982	III 1983	16 to 24 years		25 to 59 years		60 years and over		Men		Women	
			III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983
WHITE												
Total not in labor force	52,359	52,646	8,113	7,732	18,755	18,927	25,492	25,988	15,452	15,627	36,907	37,019
Do not want a job now	47,809	48,117	6,339	6,208	16,366	16,404	25,100	25,501	14,068	14,267	33,739	33,851
Current activity:												
Going to school	2,732	2,837	2,345	2,369	387	454	1	11	1,449	1,388	1,283	1,449
Ill, disabled	3,303	3,106	111	115	1,512	1,430	1,678	1,559	1,785	1,721	1,518	1,385
Keeping house	25,492	25,485	1,708	1,613	12,159	12,020	11,625	11,853	270	254	25,222	25,231
Retired	11,447	11,870	-	-	271	285	11,174	11,581	8,151	8,464	3,296	3,406
Other activity	4,833	4,820	2,175	2,111	2,037	2,215	622	497	2,413	2,440	2,420	2,380
Want a job now	4,551	4,529	1,771	1,522	2,389	2,522	392	487	1,384	1,361	3,169	3,167
Reason for not looking:												
School attendance	684	623	574	508	108	112	2	4	339	328	346	295
Ill health, disability	515	599	72	83	341	389	102	127	243	261	272	338
Home responsibilities	1,192	1,216	302	286	870	883	21	47	-	-	1,192	1,216
Think cannot get a job	1,094	1,090	419	334	541	599	134	159	413	459	681	631
Other reasons ¹	1,066	1,001	404	311	529	539	133	150	389	313	678	687
BLACK												
Total not in labor force	7,017	6,989	2,038	2,046	2,577	2,525	2,402	2,418	2,380	2,322	4,637	4,667
Do not want a job now	5,468	5,395	1,289	1,321	1,878	1,727	2,300	2,345	1,878	1,822	3,591	3,575
Current activity:												
Going to school	567	643	516	562	51	80	-	-	251	286	316	357
Ill, disabled	721	661	32	29	364	305	323	327	369	335	352	326
Keeping house	2,236	2,208	264	273	1,053	966	920	969	56	46	2,180	2,163
Retired	1,068	1,020	-	-	28	27	1,040	992	717	676	352	344
Other activity	876	864	477	457	382	349	17	57	485	479	391	385
Want a job now	1,549	1,593	750	725	697	798	101	72	501	500	1,047	1,092
Reason for not looking:												
School attendance	270	289	217	237	53	52	-	-	129	153	141	135
Ill health, disability	202	194	23	35	135	125	45	34	65	87	137	107
Home responsibilities	316	363	148	152	169	206	-	5	-	-	316	363
Think cannot get a job	552	533	250	213	261	300	39	20	221	168	330	365
Other reasons ¹	209	215	112	88	79	115	17	13	86	92	123	122
HISPANIC ORIGIN												
Total not in labor force	3,457	3,421	1,022	974	1,648	1,658	788	788	931	867	2,525	2,553
Do not want a job now	3,001	2,926	813	737	1,424	1,420	766	772	786	719	2,215	2,206
Current activity:												
Going to school	260	261	230	231	29	29	-	-	132	114	127	147
Ill, disabled	243	223	28	12	160	160	56	53	136	133	107	90
Keeping house	1,704	1,698	263	264	1,089	1,079	353	356	18	12	1,686	1,686
Retired	360	343	-	-	18	7	342	336	248	246	112	96
Other activity	434	401	292	230	128	145	15	27	252	214	183	187
Want a job now	456	495	206	237	226	238	21	15	146	148	310	346
Reason for not looking:												
School attendance	72	83	62	73	10	10	-	-	38	41	34	42
Ill health, disability	34	62	10	12	23	42	-	6	18	26	16	36
Home responsibilities	151	138	53	51	97	85	-	-	-	-	151	138
Think cannot get a job	114	115	44	56	55	49	15	9	49	54	65	60
Other reasons ¹	85	97	37	45	41	52	6	-	41	27	44	70

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-55. Persons not in the labor force who desire work but think they cannot get jobs by reason, sex, age, race, and Hispanic origin

(In thousands)

Reason and sex	3rd Quarter 1983							
	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	157	43	-	29	85	124	26	2
Lacks education or training	182	26	48	100	6	113	60	17
Other personal handicap	91	9	11	61	10	80	6	3
Job-market factors:								
Could not find work	713	160	129	385	39	421	282	58
Thinks no job available	519	70	57	353	39	351	160	34
Men								
Personal factors:								
Employers think too young or old	80	19	-	12	48	68	12	-
Lacks education or training	55	14	19	22	-	35	20	7
Other personal handicap	39	3	4	30	2	32	5	-
Job-market factors:								
Could not find work	281	83	63	110	24	189	86	28
Thinks no job available	185	38	14	115	17	135	46	19
Women								
Personal factors:								
Employers think too young or old	76	24	-	14	37	56	14	2
Lacks education or training	127	13	31	78	6	78	41	9
Other personal handicap	52	6	6	32	8	48	1	3
Job-market factors:								
Could not find work	432	76	67	274	15	232	195	31
Thinks no job available	334	32	43	236	22	216	114	15

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

(In thousands)

Work-seeking intentions, work history, and sex	Total		Age						Race			
	III 1982	III 1983	16 to 24 years		25 to 59 years		60 years and over		White		Black	
			III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983
TOTAL												
Do not intend to seek work	51,950	52,019	6,000	5,709	18,143	18,067	27,806	28,243	45,442	45,614	5,300	6,405
Intend to seek work in the next 12 months	8,918	9,177	4,562	4,471	3,895	4,139	461	567	6,917	7,032	1,717	2,146
Never worked	1,575	1,551	1,429	1,367	138	180	8	4	1,065	1,035	426	516
Last worked over 5 years ago	1,106	1,168	43	75	945	912	118	180	813	868	267	300
Last worked 1 to 5 years ago	2,344	2,634	778	865	1,409	1,565	158	203	1,736	1,982	543	672
Worked during previous 12 months	3,893	3,824	2,312	2,165	1,403	1,480	178	179	3,303	3,166	481	658
Men												
Do not intend to seek work	15,286	15,408	2,232	1,991	2,649	2,797	10,403	10,619	13,101	13,272	1,828	2,136
Intend to seek work in the next 12 months	3,017	3,067	1,959	1,955	829	882	229	230	2,351	2,355	552	712
Never worked	646	688	603	650	42	37	-	-	440	478	166	210
Last worked over 5 years ago	161	192	5	16	102	109	54	67	113	135	40	57
Last worked 1 to 5 years ago	656	692	265	254	320	361	71	77	461	506	175	186
Worked during previous 12 months	1,554	1,495	1,086	1,034	364	376	104	86	1,337	1,236	170	259
Women												
Do not intend to seek work	36,664	36,611	3,767	3,719	15,494	15,270	17,403	17,624	32,341	32,342	3,472	4,269
Intend to seek work in the next 12 months	5,901	6,111	2,802	2,517	3,066	3,257	232	337	4,566	4,677	1,165	1,434
Never worked	929	863	826	714	96	143	8	4	625	557	260	306
Last worked over 5 years ago	945	976	38	59	842	803	64	113	700	733	227	243
Last worked 1 to 5 years ago	1,688	1,942	514	610	1,088	1,205	87	127	1,275	1,456	369	486
Worked during previous 12 months	2,339	2,329	1,226	1,133	1,039	1,104	74	93	1,966	1,930	310	399

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-57. 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	
	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983
TOTAL								
Civilian noninstitutional population	172,522	174,449	149,586	150,994	18,628	18,968	9,558	9,677
Civilian labor force	111,653	113,252	97,227	98,348	11,611	11,979	6,101	6,256
Percent of population	64.7	64.9	65.0	65.1	62.3	63.2	63.8	64.6
Employed	100,839	102,936	88,986	90,693	9,362	9,634	5,232	5,472
Agriculture	3,850	3,886	3,589	3,567	181	232	306	324
Nonagricultural industries	96,989	99,049	85,397	87,126	9,181	9,402	4,927	5,149
Unemployed	10,813	10,316	8,241	7,656	2,249	2,345	869	784
Unemployment rate	9.7	9.1	8.5	7.8	19.4	19.6	14.2	12.5
Not in labor force	60,869	61,198	52,359	52,646	7,017	6,989	3,457	3,421
Men, 16 years and over								
Civilian noninstitutional population	81,629	82,642	71,294	72,002	8,302	8,468	4,617	4,642
Civilian labor force	63,325	64,166	55,842	56,375	5,923	6,146	3,685	3,774
Percent of population	77.6	77.6	78.3	78.3	71.3	72.6	79.8	81.3
Employed	57,301	58,401	51,179	52,031	4,743	4,913	3,172	3,312
Agriculture	3,049	3,077	2,836	2,822	152	195	242	261
Nonagricultural industries	54,252	55,324	48,343	49,209	4,591	4,718	2,929	3,051
Unemployed	6,025	5,765	4,664	4,344	1,180	1,233	514	462
Unemployment rate	9.5	9.0	8.4	7.7	19.9	20.1	13.9	12.3
Not in labor force	18,304	18,475	15,452	15,627	2,380	2,322	931	867
Men, 20 years and over								
Civilian noninstitutional population	73,775	75,018	64,768	65,704	7,207	7,384	3,999	4,069
Civilian labor force	58,367	59,266	51,534	52,148	5,397	5,612	3,370	3,432
Percent of population	79.1	79.0	79.6	79.4	74.9	76.0	84.3	84.3
Employed	53,449	54,534	47,710	48,536	4,457	4,637	2,962	3,055
Agriculture	2,611	2,675	2,421	2,447	133	169	221	238
Nonagricultural industries	50,838	51,858	45,289	46,089	4,324	4,468	2,741	2,817
Unemployed	4,918	4,732	3,824	3,612	940	974	408	377
Unemployment rate	8.4	8.0	7.4	6.9	17.4	17.4	12.1	11.0
Not in labor force	15,408	15,752	13,234	13,556	1,810	1,772	628	638
Women, 16 years and over								
Civilian noninstitutional population	90,893	91,808	78,292	78,992	10,326	10,500	4,941	5,035
Civilian labor force	48,327	49,085	41,384	41,973	5,688	5,833	2,416	2,482
Percent of population	53.2	53.5	52.9	53.1	55.1	55.6	48.9	49.3
Employed	43,539	44,534	37,807	38,662	4,619	4,721	2,061	2,160
Agriculture	801	809	753	745	29	37	63	62
Nonagricultural industries	42,737	43,725	37,054	37,916	4,590	4,684	1,997	2,098
Unemployed	4,789	4,551	3,577	3,311	1,069	1,112	355	321
Unemployment rate	9.9	9.3	8.6	7.9	18.8	19.1	14.7	12.9
Not in labor force	42,565	42,723	36,907	37,019	4,637	4,667	2,525	2,553
Women, 20 years and over								
Civilian noninstitutional population	83,037	84,227	71,797	72,747	9,175	9,366	4,381	4,450
Civilian labor force	43,797	44,733	37,431	38,161	5,211	5,371	2,188	2,238
Percent of population	52.7	53.1	52.1	52.5	56.8	57.3	49.9	50.3
Employed	39,994	41,078	34,578	35,511	4,369	4,478	1,907	1,991
Agriculture	700	711	658	657	23	31	53	55
Nonagricultural industries	39,294	40,367	33,920	34,855	4,346	4,447	1,854	1,936
Unemployed	3,803	3,655	2,853	2,650	842	894	281	247
Unemployment rate	8.7	8.2	7.6	6.9	16.2	16.6	12.8	11.0
Not in labor force	39,241	39,493	34,366	34,586	3,964	3,995	2,193	2,212
Both sexes, 16 to 19 years								
Civilian noninstitutional population	15,709	15,205	13,021	12,543	2,246	2,218	1,178	1,158
Civilian labor force	9,489	9,253	8,262	8,039	1,003	996	542	586
Percent of population	60.4	60.9	63.5	64.1	44.7	44.9	46.0	50.6
Employed	7,396	7,324	6,698	6,645	536	519	363	426
Agriculture	540	500	510	463	25	31	31	30
Nonagricultural industries	6,856	6,824	6,189	6,182	511	488	331	396
Unemployed	2,093	1,929	1,564	1,394	467	477	180	160
Unemployment rate	22.1	20.8	18.9	17.3	46.5	47.9	33.1	27.3
Not in labor force	6,220	5,952	4,759	4,504	1,243	1,222	636	572

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-58. Employment status of civilians of Mexican, Puerto Rican, and Cuban origin by sex and age

(Numbers in thousands)

Employment status, sex, and age	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983
TOTAL								
Civilian noninstitutional population	9,558	9,677	5,788	5,767	1,219	1,198	787	784
Civilian labor force	6,101	6,256	3,820	3,843	622	591	511	540
Percent of population	63.8	64.6	66.0	66.6	51.0	49.3	64.9	68.9
Employed	5,232	5,472	3,252	3,322	508	506	458	479
Agriculture	306	324	278	294	8	4	2	4
Nonagricultural industries	4,927	5,149	2,974	3,028	500	502	456	475
Unemployed	869	784	567	521	115	85	53	61
Unemployment rate	14.2	12.5	14.9	13.6	18.4	14.3	10.3	11.3
Not in labor force	3,457	3,421	1,969	1,924	597	607	276	244
Men, 16 years and over								
Civilian noninstitutional population	4,617	4,642	2,898	2,854	548	501	367	377
Civilian labor force	3,685	3,774	2,387	2,370	384	366	288	302
Percent of population	79.8	81.3	81.7	83.0	70.1	73.1	78.5	80.1
Employed	3,172	3,312	2,033	2,049	316	315	255	273
Agriculture	242	261	219	232	7	4	2	4
Nonagricultural industries	2,929	3,051	1,814	1,817	309	311	253	289
Unemployed	514	462	334	321	68	51	33	28
Unemployment rate	13.9	12.3	14.1	13.6	17.8	13.9	11.6	9.4
Not in labor force	931	867	530	484	164	135	79	76
Men, 20 years and over								
Civilian noninstitutional population	3,999	4,069	2,505	2,500	449	424	337	332
Civilian labor force	3,370	3,432	2,152	2,141	351	336	272	271
Percent of population	84.3	84.3	85.9	85.6	78.2	79.2	80.7	81.6
Employed	2,962	3,055	1,886	1,876	296	297	246	249
Agriculture	221	238	200	211	7	4	2	4
Nonagricultural industries	2,741	2,817	1,686	1,665	290	293	244	245
Unemployed	408	377	266	265	54	39	27	22
Unemployment rate	12.1	11.0	12.4	12.4	15.4	11.5	9.7	8.2
Not in labor force	628	638	353	358	99	87	65	61
Women, 16 years and over								
Civilian noninstitutional population	4,941	5,035	2,891	2,913	671	697	420	406
Civilian labor force	2,416	2,482	1,452	1,473	238	225	223	238
Percent of population	48.9	49.3	50.2	50.6	35.5	32.3	53.1	58.6
Employed	2,061	2,160	1,220	1,273	192	191	203	205
Agriculture	63	62	59	62	1	-	-	-
Nonagricultural industries	1,997	2,098	1,180	1,210	190	191	203	205
Unemployed	355	321	233	200	46	34	19	33
Unemployment rate	14.7	12.9	18.0	13.6	19.5	15.0	8.7	13.8
Not in labor force	2,525	2,553	1,438	1,440	433	472	197	168
Women, 20 years and over								
Civilian noninstitutional population	4,381	4,450	2,526	2,557	590	606	388	367
Civilian labor force	2,188	2,238	1,291	1,307	214	206	205	221
Percent of population	49.9	50.3	51.1	51.1	36.3	34.0	52.8	60.2
Employed	1,907	1,991	1,112	1,159	176	179	190	192
Agriculture	53	55	50	55	1	-	-	-
Nonagricultural industries	1,854	1,936	1,062	1,104	175	179	190	192
Unemployed	281	247	179	147	38	27	14	29
Unemployment rate	12.8	11.0	13.9	11.3	17.7	13.3	7.0	12.9
Not in labor force	2,193	2,212	1,234	1,250	375	400	184	146
Both sexes, 16 to 19 years								
Civilian noninstitutional population	1,178	1,158	758	710	181	168	62	84
Civilian labor force	542	586	377	395	58	49	34	48
Percent of population	46.0	50.6	49.7	55.6	32.0	29.2	54.8	57.1
Employed	363	426	254	287	35	30	22	38
Agriculture	31	30	28	28	-	-	-	-
Nonagricultural industries	331	396	226	259	35	30	22	38
Unemployed	180	160	122	108	23	18	12	10
Unemployment rate	33.1	27.3	32.5	27.4	(²)	(²)	(²)	(²)
Not in labor force	636	572	381	315	123	120	28	36

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-59. Employed civilians by selected social and economic categories, race, and Hispanic origin

(In thousands)

Category	Total		White		Black		Hispanic origin	
	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983
CHARACTERISTIC								
Total (all civilian workers)	100,839	102,936	88,986	90,693	9,362	9,634	5,232	5,472
Men	57,301	58,401	51,179	52,031	4,743	4,913	3,172	3,312
Women	43,539	44,534	37,807	38,662	4,619	4,721	2,061	2,160
OCCUPATION								
Managerial and professional specialty	22,876	23,358	21,070	21,406	(¹)	1,324	(¹)	645
Executive, administrative, and managerial	10,728	10,834	10,062	10,081	(¹)	511	(¹)	314
Professional specialty	12,148	12,524	11,008	11,325	(¹)	814	(¹)	331
Technical, sales, and administrative support	31,051	31,746	27,944	28,546	(¹)	2,473	(¹)	1,363
Technicians and related support	3,060	3,088	2,675	2,713	(¹)	260	(¹)	90
Sales occupations	11,409	12,079	10,627	11,218	(¹)	597	(¹)	437
Administrative support, including clerical	16,582	16,578	14,643	14,616	(¹)	1,617	(¹)	836
Service occupations	13,705	14,250	10,973	11,441	(¹)	2,357	(¹)	969
Private household	1,050	1,005	740	692	(¹)	291	(¹)	90
Protective service	1,626	1,747	1,386	1,494	(¹)	224	(¹)	71
Service, except private household and protective	11,029	11,497	8,846	9,254	(¹)	1,842	(¹)	809
Precision production, craft, and repair	12,030	12,779	10,962	11,598	(¹)	893	(¹)	800
Mechanics and repairers	3,912	4,232	3,577	3,857	(¹)	301	(¹)	207
Construction trades	4,130	4,559	3,763	4,158	(¹)	312	(¹)	299
Other precision production, craft, and repair	3,989	3,987	3,622	3,583	(¹)	279	(¹)	293
Operators, fabricators, and laborers	16,725	16,442	13,961	13,770	(¹)	2,264	(¹)	1,337
Machine operators, assemblers, and inspectors	7,797	7,852	6,467	6,516	(¹)	1,074	(¹)	738
Transportation and material moving occupations	4,278	4,257	3,706	3,658	(¹)	543	(¹)	248
Handlers, equipment cleaners, helpers, and laborers	4,649	4,332	3,788	3,595	(¹)	648	(¹)	351
Construction laborers	608	658	500	556	(¹)	96	(¹)	62
Other handlers, equipment cleaners, helpers, and laborers	4,041	3,674	3,288	3,039	(¹)	551	(¹)	290
Farming, forestry, and fishing	4,401	4,362	4,002	3,931	(¹)	323	(¹)	358
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,801	1,923	1,599	1,687	153	178	279	295
Self-employed workers	1,742	1,663	1,687	1,594	27	44	24	26
Unpaid family workers	307	300	302	286	1	9	2	2
Nonagricultural industries:								
Wage and salary workers	89,179	90,979	78,096	79,617	8,847	9,059	4,644	4,901
Government	15,122	15,172	12,624	12,531	2,105	2,240	682	676
Private industries	74,057	75,806	65,471	67,086	6,742	6,819	3,962	4,225
Private households	1,272	1,351	901	973	344	354	100	102
Other industries	72,785	74,455	64,570	66,113	6,398	6,465	3,862	4,123
Self-employed workers	7,405	7,703	6,926	7,160	324	338	271	237
Unpaid family workers	406	368	377	349	10	6	13	11
FULL- AND PART-TIME STATUS²								
Full-time schedules	81,052	83,176	71,471	73,291	7,526	7,743	4,292	4,484
Part time for economic reasons	6,721	6,579	5,558	5,400	983	1,011	499	476
Part time for noneconomic reasons	13,067	13,180	11,957	12,001	853	881	441	512

¹ Data for 1982 are not shown because they do not meet reliability standards for publication.

² Employed persons "with a job but not at work" are distributed proportionately among the full- and part-time employed categories.

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-60. Employed civilians of Mexican, Puerto Rican, and Cuban origin by selected social and economic categories

(In thousands)

Category	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983
CHARACTERISTIC								
Total (all civilian workers)	5,232	5,472	3,252	3,322	508	506	458	479
Men	3,172	3,312	2,033	2,049	316	315	255	273
Women	2,061	2,160	1,220	1,273	192	191	203	205
OCCUPATION								
Managerial and professional specialty	(²)	645	(²)	320	(²)	74	(²)	81
Executive, administrative, and managerial	(²)	314	(²)	165	(²)	24	(²)	46
Professional specialty	(²)	331	(²)	155	(²)	51	(²)	35
Technical, sales, and administrative support	(²)	1,363	(²)	771	(²)	143	(²)	155
Technicians and related support	(²)	90	(²)	46	(²)	10	(²)	8
Sales occupations	(²)	437	(²)	243	(²)	40	(²)	49
Administrative support, including clerical	(²)	836	(²)	482	(²)	93	(²)	97
Service occupations	(²)	969	(²)	549	(²)	102	(²)	63
Private household	(²)	90	(²)	46	(²)	4	(²)	3
Protective service	(²)	71	(²)	32	(²)	15	(²)	5
Service, except private household and protective	(²)	809	(²)	470	(²)	83	(²)	55
Precision production, craft, and repair	(²)	800	(²)	530	(²)	64	(²)	51
Mechanics and repairers	(²)	207	(²)	121	(²)	22	(²)	21
Construction trades	(²)	299	(²)	224	(²)	20	(²)	13
Other precision production, craft, and repair	(²)	293	(²)	184	(²)	23	(²)	18
Operators, fabricators, and laborers	(²)	1,337	(²)	841	(²)	115	(²)	124
Machine operators, assemblers, and inspectors	(²)	736	(²)	440	(²)	64	(²)	79
Transportation and material moving occupations	(²)	248	(²)	172	(²)	17	(²)	15
Handlers, equipment cleaners, helpers, and laborers	(²)	351	(²)	230	(²)	34	(²)	29
Construction laborers	(²)	62	(²)	47	(²)	3	(²)	5
Other handlers, equipment cleaners, helpers, and laborers	(²)	290	(²)	183	(²)	31	(²)	24
Farming, forestry, and fishing	(²)	358	(²)	312	(²)	7	(²)	4
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	279	295	266	276	6	4	-	2
Self-employed workers	24	26	12	17	2	-	2	2
Unpaid family workers	2	2	-	1	-	-	-	-
Nonagricultural industries:								
Wage and salary workers	4,644	4,901	2,824	2,894	486	487	410	441
Government	682	676	442	446	84	77	46	31
Private industries	3,962	4,225	2,382	2,449	402	410	364	411
Private households	100	102	65	55	5	5	-	4
Other industries	3,862	4,123	2,317	2,394	397	405	364	407
Self-employed workers	271	237	144	128	12	15	44	29
Unpaid family workers	13	11	7	6	1	-	2	4
FULL- AND PART-TIME STATUS³								
Full-time schedules	4,292	4,484	2,639	2,700	431	427	387	402
Part time for economic reasons	499	476	354	319	45	32	22	28
Part time for noneconomic reasons	441	512	259	303	31	47	49	49

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

² Data for 1982 are not shown because they do not meet reliability

standards for publication.

³ Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-61. Employed civilians by sex, age, race, and Hispanic origin

(In thousands)

Sex and age	Total		White		Black		Hispanic origin	
	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983
Total, 16 years and over	100,839	102,936	88,986	90,693	9,362	9,634	5,232	5,472
16 to 19 years	7,396	7,324	6,698	6,645	536	519	363	426
16 to 17 years	2,931	2,833	2,658	2,586	210	189	121	132
18 to 19 years	4,465	4,491	4,040	4,059	326	330	242	295
20 to 24 years	14,099	14,340	12,424	12,702	1,342	1,333	840	891
25 years and over	79,344	81,272	69,864	71,346	7,483	7,782	4,030	4,156
25 to 54 years	64,946	66,990	56,874	58,485	6,314	6,617	3,594	3,728
55 years and over	14,398	14,282	12,991	12,861	1,169	1,164	435	427
Men, 16 years and over	57,301	58,401	51,179	52,031	4,743	4,913	3,172	3,312
16 to 19 years	3,852	3,868	3,468	3,495	286	276	209	257
16 to 17 years	1,541	1,517	1,401	1,376	103	100	64	72
18 to 19 years	2,311	2,351	2,068	2,119	183	176	145	185
20 to 24 years	7,482	7,659	6,604	6,776	700	721	482	525
25 years and over	45,967	46,874	41,106	41,760	3,756	3,916	2,480	2,530
25 to 54 years	37,364	38,339	33,254	33,987	3,158	3,311	2,190	2,266
55 years and over	8,602	8,536	7,853	7,773	598	605	290	265
Women, 16 years and over	43,539	44,534	37,807	38,662	4,619	4,721	2,061	2,160
16 to 19 years	3,544	3,456	3,230	3,150	250	243	153	169
16 to 17 years	1,390	1,316	1,257	1,210	107	89	57	60
18 to 19 years	2,154	2,140	1,972	1,940	143	154	97	110
20 to 24 years	6,617	6,681	5,820	5,928	642	612	358	366
25 years and over	33,377	34,397	28,758	29,586	3,727	3,866	1,550	1,625
25 to 54 years	27,581	28,651	23,620	24,498	3,156	3,306	1,403	1,462
55 years and over	5,795	5,747	5,138	5,088	571	559	146	162

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-62. Unemployment rates by sex, age, race, and Hispanic origin

(Civilian workers)

Sex and age	Total		White		Black		Hispanic origin	
	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983
Total, 16 years and over	9.7	9.1	8.5	7.8	19.4	19.6	14.2	12.5
16 to 19 years	22.1	20.8	18.9	17.3	46.5	47.9	33.1	27.3
16 to 17 years	23.3	22.1	21.0	19.5	43.1	45.3	38.5	34.3
18 to 19 years	21.2	20.0	17.5	15.9	48.5	49.2	30.1	23.6
20 to 24 years	14.5	13.4	12.5	11.1	29.7	30.5	18.0	14.0
25 years and over	7.4	7.1	6.6	6.2	14.0	14.2	11.1	10.3
25 to 54 years	7.9	7.5	7.0	6.6	15.1	14.9	11.4	10.5
55 years and over	4.8	4.8	4.6	4.2	7.3	9.7	9.0	9.6
Men, 16 years and over	9.5	9.0	8.4	7.7	19.9	20.1	13.9	12.3
16 to 19 years	22.3	21.1	19.5	17.3	45.6	48.4	33.5	25.0
16 to 17 years	24.0	22.3	21.9	19.2	44.6	47.8	43.6	33.2
18 to 19 years	21.1	20.3	17.8	16.1	45.9	48.7	27.8	21.2
20 to 24 years	15.3	14.1	13.4	12.0	29.1	29.5	18.7	14.4
25 years and over	7.2	6.9	6.4	6.1	14.8	14.7	10.7	10.3
25 to 54 years	7.7	7.3	6.8	6.4	15.9	15.3	10.8	10.3
55 years and over	4.8	4.9	4.5	4.3	9.0	11.2	9.9	9.6
Women, 16 years and over	9.9	9.3	8.6	7.9	18.8	19.1	14.7	12.9
16 to 19 years	21.8	20.6	18.3	17.4	47.6	47.3	32.7	30.5
16 to 17 years	22.5	21.9	19.9	19.8	41.5	42.3	31.6	35.6
18 to 19 years	21.3	19.7	17.3	15.8	51.5	49.9	33.3	27.3
20 to 24 years	13.6	12.6	11.4	10.0	30.4	31.6	17.0	13.3
25 years and over	7.6	7.3	6.8	6.3	13.1	13.7	11.8	10.5
25 to 54 years	8.2	7.8	7.3	6.7	14.3	14.5	12.2	10.6
55 years and over	4.8	4.6	4.7	4.2	5.5	8.1	7.0	9.6

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-63. Unemployed persons by duration of unemployment, race, and Hispanic origin

(Numbers in thousands)

Weeks of unemployment	Total		White		Black		Hispanic origin	
	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983
DURATION								
Total, 16 years and over	10,813	10,316	8,241	7,656	2,249	2,345	869	784
Less than 5 weeks	4,037	3,721	3,124	2,804	778	795	326	318
5 to 14 weeks	3,474	2,949	2,649	2,177	713	672	303	240
15 weeks and over	3,303	3,646	2,467	2,675	758	877	239	226
15 to 26 weeks	1,456	1,189	1,114	890	304	269	126	88
27 weeks and over	1,847	2,456	1,353	1,785	454	608	113	138
Average (mean) duration, in weeks	15.3	19.6	14.8	19.3	17.7	20.9	13.6	15.6
Median duration, in weeks	8.2	8.8	8.0	8.7	8.1	8.5	8.2	7.4
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	37.3	36.1	37.9	36.6	34.6	33.9	37.6	40.5
5 to 14 weeks	32.1	28.6	32.1	28.4	31.7	28.7	34.9	30.6
15 weeks and over	30.5	35.3	29.9	34.9	33.7	37.4	27.5	28.8
15 to 26 weeks	13.5	11.5	13.5	11.6	13.5	11.5	14.5	11.2
27 weeks and over	17.1	23.8	16.4	23.3	20.2	25.9	13.0	17.7

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-64. Unemployed persons by reason for unemployment, race, and Hispanic origin

(Numbers in thousands)

Reasons for unemployment	Total		White		Black		Hispanic origin	
	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983
NUMBER OF UNEMPLOYED								
Total, 16 years and over	10,813	10,316	8,241	7,656	2,249	2,345	869	784
Job losers	6,068	5,651	4,748	4,302	1,278	1,299	523	478
On layoff	2,017	1,455	1,681	1,217	295	210	122	90
Other job losers	4,051	4,196	3,067	3,086	983	1,090	401	388
Job leavers	876	857	725	712	18	19	75	55
Reentrants	2,468	2,439	1,871	1,724	515	628	161	156
New entrants	1,403	1,369	897	917	438	399	110	94
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	56.1	54.8	57.6	56.2	56.8	55.4	60.2	61.0
On layoff	18.7	14.1	20.4	15.9	13.1	8.9	14.0	11.5
Other job losers	37.5	40.7	37.2	40.3	43.7	46.5	46.1	49.5
Job leavers	8.1	8.3	8.8	9.3	.8	.8	8.6	7.1
Reentrants	22.8	23.6	22.7	22.5	22.9	26.8	18.5	19.9
New entrants	13.0	13.3	10.9	12.0	19.5	17.0	12.7	12.0
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	5.4	5.0	4.9	4.4	11.0	10.8	8.6	7.6
Job leavers .....	.8	.8	.7	.7	.2	.2	1.2	.9
Reentrants	2.2	2.2	1.9	1.8	4.4	5.2	2.6	2.5
New entrants	1.3	1.2	.9	.9	3.8	3.3	1.8	1.5

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-65. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	III 1982	III 1983	Total		Employed		Unemployed			
			III 1982	III 1983	III 1982	III 1983	Number		Percent of labor force	
							III 1982	III 1983	III 1982	III 1983
VETERANS										
Total, 25 years and over	8,703	7,850	8,208	7,360	7,566	6,810	641	551	7.8	7.5
25 to 39 years	7,109	5,814	6,816	5,571	6,245	5,120	571	452	8.4	8.1
25 to 29 years	1,177	652	1,113	611	965	539	148	72	13.3	11.8
30 to 34 years	2,882	2,099	2,759	2,007	2,530	1,824	229	183	8.3	9.1
35 to 39 years	3,050	3,063	2,944	2,953	2,750	2,757	194	196	6.6	6.6
40 years and over	1,595	2,036	1,392	1,789	1,321	1,690	71	99	5.1	5.5
NONVETERANS										
Total, 25 to 39 years	18,339	20,136	17,390	18,999	15,797	17,429	1,593	1,570	9.2	8.3
25 to 29 years	8,204	8,731	7,752	8,195	6,912	7,433	840	762	10.8	9.3
30 to 34 years	6,032	6,855	5,739	6,498	5,275	6,016	464	482	8.1	7.4
35 to 39 years	4,102	4,551	3,899	4,306	3,611	3,980	288	326	7.4	7.6

NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces; published data are limited to those 25 to 39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

A-66. Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin

(Numbers in thousands)

Employment status and age	Veterans						Nonveterans					
	White		Black		Hispanic origin		White		Black		Hispanic origin	
	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983
TOTAL, 25 to 39 years												
Civilian noninstitutional population	6,306	5,153	710	576	305	229	15,826	17,356	1,867	2,067	1,429	1,512
Civilian labor force	6,088	4,966	638	530	295	219	15,154	16,539	1,668	1,841	1,343	1,420
Employed	5,637	4,617	528	437	266	203	13,963	15,335	1,335	1,534	1,178	1,265
Unemployed	451	350	111	92	29	16	1,191	1,205	333	307	165	155
Unemployment rate	7.4	7.0	17.4	17.4	9.8	7.3	7.9	7.3	20.0	16.7	12.3	10.9
25 to 29 years												
Civilian noninstitutional population	998	537	164	101	51	28	7,138	7,586	823	884	625	659
Civilian labor force	954	511	145	91	51	27	6,817	7,199	736	780	591	615
Employed	850	466	105	66	44	26	6,176	6,610	568	629	506	540
Unemployed	104	46	41	24	7	1	641	590	168	151	85	75
Unemployment rate	10.9	9.0	28.3	26.4	(¹)	(¹)	9.4	8.2	22.8	19.4	14.4	12.2
30 to 34 years												
Civilian noninstitutional population	2,554	1,857	292	219	122	90	5,187	5,884	609	712	467	488
Civilian labor force	2,458	1,776	266	209	117	87	4,983	5,631	539	637	440	460
Employed	2,268	1,630	228	173	102	83	4,647	5,265	438	543	387	417
Unemployed	190	145	38	37	15	4	336	366	101	94	53	43
Unemployment rate	7.7	8.2	14.3	17.7	12.8	4.6	6.7	6.5	18.7	14.8	12.0	9.3
35 to 39 years												
Civilian noninstitutional population	2,754	2,759	254	256	132	111	3,501	3,886	435	471	337	365
Civilian labor force	2,676	2,679	227	230	127	105	3,354	3,709	393	424	312	345
Employed	2,519	2,521	195	198	120	94	3,140	3,460	329	362	285	308
Unemployed	157	159	32	31	7	11	214	249	64	62	27	37
Unemployment rate	5.9	5.9	14.1	13.5	5.5	10.5	6.4	6.7	16.3	14.6	8.7	10.7

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-67. Employment status of the civilian noninstitutional population in metropolitan and nonmetropolitan areas by sex, age, race, and Hispanic origin

(Numbers in thousands)

Employment status, sex, age, and race	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983
TOTAL												
Civilian noninstitutional population	117,847	119,079	48,319	49,043	69,528	70,036	54,675	55,370	4,211	4,294	50,464	51,076
Civilian labor force	77,455	78,474	30,636	31,189	46,819	47,305	34,197	34,778	2,822	2,838	31,375	31,942
Percent of population	65.7	65.9	63.4	63.8	67.3	67.5	62.5	62.5	67.0	66.1	62.2	62.5
Employed	70,011	71,390	27,156	27,606	42,855	43,584	30,829	31,545	2,701	2,723	28,128	28,822
Unemployed	7,445	7,084	3,481	3,363	3,964	3,721	3,368	3,232	121	114	3,247	3,118
Unemployment rate	9.6	9.0	11.4	10.8	8.5	7.9	9.9	9.3	4.3	4.0	10.3	9.8
Not in labor force	40,391	40,605	17,683	17,874	22,708	22,731	20,478	20,593	1,389	1,457	19,089	19,136
Men, 20 years and over												
Civilian noninstitutional population	50,264	51,008	20,198	20,578	30,066	30,430	23,511	24,010	1,944	1,981	21,567	22,029
Civilian labor force	40,221	40,823	15,611	15,904	24,610	24,919	18,147	18,443	1,819	1,833	16,528	16,810
Percent of population	80.0	80.0	77.3	77.3	81.9	81.9	77.2	78.8	83.3	82.5	76.6	76.3
Employed	36,825	37,538	13,983	14,339	22,842	23,199	16,625	16,996	1,587	1,590	15,058	15,406
Unemployed	3,396	3,285	1,828	1,565	1,768	1,720	1,522	1,447	52	43	1,470	1,404
Unemployment rate	8.4	8.0	10.4	9.8	7.2	6.9	8.4	7.8	3.2	2.6	8.9	8.4
Not in labor force	10,044	10,185	4,588	4,673	5,456	5,512	5,365	5,568	325	347	5,040	5,221
Women, 20 years and over												
Civilian noninstitutional population	56,973	57,893	23,959	24,401	33,014	33,492	26,065	26,334	1,829	1,889	24,236	24,445
Civilian labor force	30,823	31,477	12,729	13,046	18,094	18,431	12,974	13,256	904	917	12,070	12,339
Percent of population	54.1	54.4	53.1	53.5	54.8	55.0	49.8	50.3	49.4	48.5	49.8	50.5
Employed	28,199	28,981	11,513	11,861	16,686	17,120	11,795	12,097	863	872	10,932	11,225
Unemployed	2,623	2,496	1,216	1,184	1,407	1,312	1,179	1,159	41	45	1,138	1,114
Unemployment rate	8.5	7.9	9.6	9.1	7.8	7.1	9.1	8.7	4.5	4.9	9.4	9.0
Not in labor force	26,150	26,416	11,229	11,355	14,921	15,061	13,091	13,078	925	973	12,166	12,105
Both sexes, 16 to 19 years												
Civilian noninstitutional population	10,610	10,178	4,162	4,064	6,448	6,114	5,099	5,828	438	424	4,661	5,202
Civilian labor force	6,412	6,174	2,296	2,219	4,116	3,955	3,077	3,079	299	288	2,778	2,793
Percent of population	60.4	60.7	55.2	54.6	63.8	64.7	60.3	52.3	68.1	67.5	59.6	53.7
Employed	4,987	4,872	1,659	1,605	3,328	3,267	2,409	2,452	271	261	2,138	2,191
Unemployed	1,426	1,302	637	614	789	688	667	627	28	26	639	601
Unemployment rate	22.2	21.1	27.7	27.7	19.2	17.4	21.7	20.4	9.4	8.9	23.0	21.5
Not in labor force	4,198	4,005	1,866	1,846	2,332	2,159	2,022	1,947	140	137	1,882	1,810
White												
Civilian noninstitutional population	99,921	101,062	36,118	36,837	63,803	64,225	49,665	49,932	4,033	4,081	45,632	45,851
Civilian labor force	66,046	66,633	23,188	23,605	42,858	43,228	31,181	31,515	2,726	2,724	28,455	28,791
Percent of population	66.1	66.1	64.2	64.1	67.2	67.3	62.8	63.1	67.6	66.7	62.4	62.8
Employed	60,601	61,801	21,130	21,718	39,471	40,083	28,385	28,891	2,619	2,627	25,766	26,264
Unemployed	5,445	5,032	2,058	1,888	3,387	3,144	2,796	2,624	107	97	2,689	2,527
Unemployment rate	8.2	7.5	8.9	8.0	7.9	7.3	9.0	8.3	3.9	3.5	9.5	8.8
Not in labor force	33,875	34,229	12,929	13,232	20,946	20,997	18,484	18,417	1,307	1,358	17,177	17,059
Black												
Civilian noninstitutional population	14,421	14,479	10,432	10,423	3,989	4,056	4,207	4,488	130	159	4,077	4,329
Civilian labor force	9,096	9,299	6,307	6,424	2,789	2,875	2,515	2,880	70	85	2,445	2,595
Percent of population	63.1	64.2	60.5	61.6	69.9	70.9	59.8	59.7	53.8	53.6	60.0	59.9
Employed	7,347	7,463	5,016	5,061	2,331	2,402	2,015	2,172	59	73	1,956	2,099
Unemployed	1,750	1,836	1,291	1,364	459	472	500	509	12	12	488	497
Unemployment rate	19.2	19.7	20.5	21.2	18.5	16.4	19.9	19.0	17.1	13.7	20.0	19.2
Not in labor force	5,325	5,180	4,126	3,999	1,199	1,181	1,692	1,608	59	74	1,633	1,734
Hispanic origin												
Civilian noninstitutional population	8,140	8,260	4,827	4,879	3,313	3,381	1,418	1,416	63	56	1,355	1,360
Civilian labor force	5,188	5,332	3,014	3,009	2,174	2,323	913	924	41	38	872	886
Percent of population	63.7	64.5	62.4	61.7	65.6	68.7	64.4	65.3	65.1	(¹)	64.4	65.1
Employed	4,459	4,683	2,542	2,655	1,917	2,028	773	789	39	36	734	753
Unemployed	728	649	472	355	256	294	140	135	2	2	138	133
Unemployment rate	14.0	12.2	15.7	11.8	11.8	12.7	15.4	14.6	(¹)	(¹)	15.8	15.0
Not in labor force	2,952	2,929	1,812	1,869	1,140	1,060	505	492	23	18	482	474

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-68. Employment status of the civilian noninstitutional population in poverty and nonpoverty areas by race and Hispanic origin

(Numbers in thousands)

Employment status and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983	III 1982	III 1983
TOTAL												
Civilian noninstitutional population	30,480	30,338	142,042	144,112	11,586	11,196	106,261	107,883	18,894	19,142	35,781	36,229
Civilian labor force	17,455	17,427	94,198	95,825	6,452	6,235	71,004	72,219	11,003	11,172	23,194	23,606
Percent of population	57.3	57.4	66.3	66.5	55.7	55.9	66.8	66.9	58.2	58.4	64.8	65.2
Employed	15,118	15,031	85,721	87,905	5,311	5,128	64,700	66,262	9,807	9,903	21,022	21,642
Unemployed	2,337	2,396	8,476	7,920	1,141	1,127	6,304	5,957	1,196	1,269	2,172	1,964
Unemployment rate	13.4	13.7	9.0	8.3	17.7	18.0	8.9	8.2	10.9	11.4	9.4	8.6
Men, 20 years and over	11.7	11.8	7.8	7.3	16.6	16.4	7.7	7.3	9.0	9.4	8.1	7.1
Women, 20 years and over	12.0	12.5	8.1	7.4	14.7	15.2	7.9	7.3	10.2	10.8	8.6	7.8
Both sexes, 16 to 19 years	29.5	31.0	20.6	18.8	37.7	39.8	20.7	19.2	24.7	25.8	20.3	17.9
Men	28.4	29.7	21.0	19.3	39.3	39.0	21.2	19.9	22.3	24.5	20.5	17.7
Women	31.0	32.5	20.2	18.4	35.7	40.7	20.3	18.4	28.1	27.6	20.1	18.1
Not in labor force	13,025	12,911	47,844	48,287	5,134	4,941	35,257	35,664	7,890	7,970	12,587	12,623
White												
Civilian noninstitutional population	21,594	21,281	127,992	129,714	6,003	5,738	93,919	95,325	15,591	15,543	34,073	34,389
Civilian labor force	12,621	12,413	84,606	85,935	3,482	3,246	62,564	63,588	9,139	9,167	22,042	22,348
Percent of population	58.4	58.3	66.1	66.2	58.0	56.6	66.6	66.7	58.6	59.0	64.7	65.0
Employed	11,340	11,131	77,646	79,562	3,030	2,834	57,571	58,967	8,310	8,297	20,075	20,595
Unemployed	1,280	1,282	6,960	6,374	452	412	4,993	4,620	829	871	1,967	1,753
Unemployment rate	10.1	10.3	8.2	7.4	13.0	12.7	8.0	7.3	9.1	9.5	8.9	7.8
Men, 20 years and over	8.9	9.1	7.2	6.6	11.8	11.9	7.0	6.5	7.8	8.1	7.8	6.7
Women, 20 years and over	9.2	9.1	7.4	6.7	11.5	10.2	7.2	6.4	8.4	8.7	8.0	7.3
Both sexes, 16 to 19 years	21.8	23.6	18.5	16.4	27.6	28.1	18.1	16.3	19.8	22.0	19.4	16.7
Men	21.0	22.9	19.2	16.4	30.8	29.5	19.0	16.4	17.9	20.5	19.9	16.4
Women	23.0	24.5	17.7	16.4	24.0	26.3	17.2	16.1	22.6	23.8	19.0	17.1
Not in labor force	8,973	8,868	43,386	43,779	2,521	2,492	31,355	31,737	6,453	6,376	12,031	12,042
Black												
Civilian noninstitutional population	8,255	8,337	10,373	10,631	5,283	5,173	9,138	9,306	2,972	3,164	1,235	1,325
Civilian labor force	4,473	4,604	7,138	7,375	2,787	2,828	6,310	6,471	1,686	1,777	829	903
Percent of population	54.2	55.2	68.8	69.4	52.7	54.7	69.1	69.5	56.7	56.2	67.1	68.2
Employed	3,474	3,565	5,888	6,069	2,122	2,135	5,224	5,328	1,352	1,430	664	742
Unemployed	999	1,040	1,250	1,305	664	693	1,085	1,143	335	347	165	162
Unemployment rate	22.3	22.6	17.5	17.7	23.8	24.5	17.2	17.7	19.9	19.5	19.9	17.9
Men, 20 years and over	20.7	19.9	15.4	15.8	24.0	22.9	15.4	16.0	15.6	15.3	15.6	14.1
Women, 20 years and over	18.3	20.0	14.8	14.6	18.4	20.2	14.3	14.3	18.1	19.6	19.4	17.1
Both sexes, 16 to 19 years	48.6	48.8	44.9	47.2	49.1	53.4	45.8	48.3	47.9	41.2	40.1	41.0
Men	47.5	46.4	43.8	49.8	48.8	51.5	44.6	51.4	45.1	38.8	(¹)	(¹)
Women	50.2	51.4	46.0	44.2	49.4	55.5	47.0	44.6	51.2	44.2	(¹)	(¹)
Not in labor force	3,783	3,732	3,235	3,256	2,497	2,346	2,828	2,835	1,286	1,387	407	422
Hispanic origin												
Civilian noninstitutional population	2,762	2,521	6,796	7,156	2,059	1,878	6,081	6,382	703	643	715	773
Civilian labor force	1,557	1,400	4,544	4,856	1,141	1,017	4,046	4,315	415	383	498	541
Percent of population	56.4	55.5	66.9	67.9	55.4	54.2	66.5	67.6	59.1	59.6	69.6	70.0
Employed	1,292	1,175	3,940	4,297	933	838	3,526	3,845	359	337	414	452
Unemployed	264	225	604	558	208	179	520	470	56	46	84	89
Unemployment rate	17.0	16.1	13.3	11.5	18.3	17.6	12.8	10.9	13.5	12.1	17.0	16.4
Men, 20 years and over	14.3	13.0	11.4	10.4	16.3	14.8	11.4	10.1	9.3	8.6	10.8	12.9
Women, 20 years and over	14.8	14.7	12.3	10.1	16.3	14.6	11.4	9.0	9.4	14.8	20.3	19.9
Both sexes, 16 to 19 years	35.3	33.3	32.0	24.7	33.4	37.1	31.4	25.2	(¹)	(¹)	35.1	22.3
Men	34.7	32.3	32.8	21.5	33.4	37.6	32.2	22.9	(¹)	(¹)	(¹)	(¹)
Women	36.0	35.0	30.8	28.8	33.3	(¹)	30.1	28.2	(¹)	(¹)	(¹)	(¹)
Not in labor force	1,205	1,121	2,252	2,300	917	861	2,035	2,068	288	260	217	232

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

(Numbers in thousands)

Type of family, race, and Hispanic origin	III 1982					III 1983				
	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	61,889	8,141	29.3	70.7	61.2	62,194	7,739	29.3	70.7	61.4
With children under 18 years of age	31,202	5,014	31.5	68.5	59.1	31,129	4,696	30.5	69.5	59.9
Married-couple families	49,915	6,076	22.5	77.5	68.3	50,079	5,664	21.6	78.4	69.0
With children under 18 years of age	24,587	3,836	23.0	77.0	67.5	24,470	3,502	20.9	79.1	69.2
Families maintained by women	9,607	1,701	51.5	48.5	38.0	9,719	1,680	52.0	48.0	38.1
With children under 18 years of age	5,775	1,055	80.5	39.5	29.5	5,814	1,057	59.5	40.5	31.1
Families maintained by men	2,367	365	39.3	60.7	51.1	2,396	394	42.2	57.8	51.4
With children under 18 years of age	841	123	48.8	51.2	48.0	845	137	50.7	49.3	45.7
White										
Total families	53,786	6,313	27.0	73.0	63.6	53,919	5,853	27.1	72.9	63.5
With children under 18 years of age	26,241	3,829	28.7	71.3	61.5	26,053	3,442	27.6	72.4	62.5
Married-couple families	45,209	5,042	22.3	77.7	68.4	45,253	4,629	22.0	78.0	68.6
With children under 18 years of age	21,801	3,151	22.8	77.2	67.4	21,626	2,789	21.4	78.6	68.6
Families maintained by women	6,676	1,004	48.0	52.0	41.3	6,735	940	47.8	52.2	42.0
With children under 18 years of age	3,767	584	57.7	42.3	31.0	3,747	548	54.8	45.2	34.4
Families maintained by men	1,901	267	36.8	63.2	55.3	1,931	284	41.9	58.1	52.5
With children under 18 years of age	674	94	46.8	53.2	51.1	680	104	51.0	49.0	45.2
Black										
Total families	6,743	1,595	37.6	62.4	52.7	6,811	1,672	36.5	63.5	54.1
With children under 18 years of age	4,105	1,027	41.1	58.9	50.6	4,143	1,102	38.8	61.2	52.8
Married-couple families	3,624	650	22.0	78.0	69.1	3,662	877	19.3	80.7	71.1
With children under 18 years of age	2,075	552	22.1	77.9	69.8	2,076	593	17.7	82.3	73.1
Families maintained by women	2,725	659	56.4	43.6	33.4	2,770	700	57.4	42.6	33.4
With children under 18 years of age	1,885	448	63.9	36.1	27.4	1,928	482	64.5	35.5	27.8
Families maintained by men	394	86	46.5	53.5	39.5	379	95	41.1	58.9	49.5
With children under 18 years of age	146	26	(¹)	(¹)	(¹)	139	26	(¹)	(¹)	(¹)
Hispanic origin										
Total families	3,449	648	32.9	67.1	57.3	3,518	602	32.6	67.4	58.1
With children under 18 years of age	2,309	454	36.6	63.4	55.8	2,337	413	35.8	64.2	55.7
Married-couple families	2,570	479	27.3	72.7	63.5	2,548	442	25.5	74.5	65.2
With children under 18 years of age	1,740	359	29.5	70.5	62.7	1,697	315	27.6	72.4	64.4
Families maintained by women	719	131	55.0	45.0	32.8	767	126	52.4	47.6	35.7
With children under 18 years of age	512	83	66.3	33.7	24.1	568	84	61.9	38.1	27.4
Families maintained by men	161	38	(¹)	(¹)	(¹)	183	34	(¹)	(¹)	(¹)
With children under 18 years of age	57	12	(¹)	(¹)	(¹)	72	14	(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-70. Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	III 1982				III 1983			
	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	10,813	41.3	58.7	50.6	10,316	41.4	58.6	50.6
In families	9,322	31.9	68.1	58.7	8,833	31.5	68.5	59.1
Husbands	2,428	45.3	54.7	41.0	2,167	43.6	56.4	42.3
With children under 18 years of age	1,580	50.5	49.5	34.6	1,424	46.2	53.8	39.2
Wives	1,900	20.4	79.6	72.3	1,810	18.4	81.6	74.5
With children under 18 years of age	1,239	18.2	81.8	74.8	1,155	16.9	83.1	76.3
Relatives in married-couple families	2,594	10.9	89.1	83.0	2,462	11.6	88.4	81.1
Women who maintain families	713	84.0	16.0	9.2	889	80.6	19.4	11.9
With children under 18 years of age	598	89.6	10.4	4.7	578	87.7	12.3	5.2
Relatives in families maintained by women	1,249	33.8	66.2	53.9	1,245	37.2	62.8	51.7
Men who maintain families	150	65.8	34.2	20.3	170	68.0	32.0	23.8
With children under 18 years of age	58	(¹)	(¹)	(¹)	75	81.3	18.7	14.2
Relatives in families maintained by men	287	29.5	70.5	60.7	290	29.9	70.1	65.3
Not in families ²	1,491	-	-	-	1,483	-	-	-
White								
Total unemployed	8,241	39.4	60.6	52.5	7,656	39.7	60.3	52.0
In families	7,081	29.5	70.5	61.1	6,529	29.3	70.7	61.0
Husbands	2,023	45.2	54.8	40.4	1,780	44.5	55.5	40.7
With children under 18 years of age	1,292	50.3	49.7	33.6	1,136	47.2	52.8	36.6
Wives	1,591	19.0	81.0	74.3	1,518	17.8	82.2	75.4
With children under 18 years of age	1,025	18.7	83.3	76.6	944	16.1	83.9	77.5
Relatives in married-couple families	2,048	10.2	89.8	83.9	1,885	11.5	88.5	81.5
Women who maintain families	412	79.2	20.8	11.6	347	76.2	23.8	14.5
With children under 18 years of age	337	86.7	13.3	5.4	284	83.4	16.6	7.0
Relatives in families maintained by women	705	31.0	69.0	57.4	681	33.9	66.1	54.7
Men who maintain families	102	69.8	30.2	20.2	123	69.6	30.4	22.5
With children under 18 years of age	43	(¹)	(¹)	(¹)	56	(¹)	(¹)	(¹)
Relatives in families maintained by men	201	24.3	75.7	68.0	196	29.2	70.8	66.2
Not in families ²	1,160	-	-	-	1,127	-	-	-
Black								
Total unemployed	2,249	47.7	52.3	43.9	2,345	46.0	54.0	46.2
In families	1,957	39.9	60.1	50.5	2,044	38.1	61.9	53.0
Husbands	322	43.0	57.0	47.1	315	39.3	60.7	49.5
With children under 18 years of age	224	47.3	52.7	43.1	226	41.4	58.6	49.4
Wives	252	28.0	72.0	61.7	243	21.4	78.6	68.6
With children under 18 years of age	171	25.4	74.6	84.3	174	18.8	81.2	71.2
Relatives in married-couple families	455	12.3	87.7	80.2	510	11.7	88.3	80.4
Women who maintain families	291	91.1	8.9	5.9	319	86.2	13.8	9.0
With children under 18 years of age	254	93.8	6.2	3.8	276	92.6	7.4	3.5
Relatives in families maintained by women	519	36.9	63.1	49.6	533	40.8	59.4	48.7
Men who maintain families	42	(¹)	(¹)	(¹)	41	(¹)	(¹)	(¹)
With children under 18 years of age	14	(¹)	(¹)	(¹)	15	(¹)	(¹)	(¹)
Relatives in families maintained by men	76	43.5	56.5	45.5	84	30.0	70.0	64.2
Not in families ²	292	-	-	-	301	-	-	-
Hispanic origin								
Total unemployed	869	41.8	58.2	49.1	784	41.6	58.4	50.9
In families	774	34.7	65.3	55.2	691	33.7	66.3	57.8
Husbands	206	51.2	48.8	39.9	192	53.7	46.3	37.2
With children under 18 years of age	168	54.2	45.8	37.9	145	56.7	43.3	36.0
Wives	140	19.1	80.9	70.8	133	20.2	79.8	71.2
With children under 18 years of age	102	21.0	79.0	70.8	100	17.4	82.6	73.2
Relatives in married-couple families	230	15.9	84.1	75.0	183	5.3	94.7	87.9
Women who maintain families	52	(¹)	(¹)	(¹)	42	(¹)	(¹)	(¹)
With children under 18 years of age	45	(¹)	(¹)	(¹)	37	(¹)	(¹)	(¹)
Relatives in families maintained by women	106	42.0	58.0	41.8	102	38.7	61.3	49.0
Men who maintain families	13	(¹)	(¹)	(¹)	21	(¹)	(¹)	(¹)
With children under 18 years of age	5	(¹)	(¹)	(¹)	11	(¹)	(¹)	(¹)
Relatives in families maintained by men	27	(¹)	(¹)	(¹)	18	(¹)	(¹)	(¹)
Not in families ²	95	-	-	-	93	-	-	-

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

² The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families, and some whose status is unknown.

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. Employed civilians by family relationship, race, Hispanic origin, and presence of additional employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	III 1982				III 1983			
	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	100,839	37.9	82.1	52.6	102,936	37.0	63.0	53.7
In families	85,364	26.8	73.4	62.1	86,922	25.3	74.7	63.6
Husbands	37,549	37.0	63.0	45.9	37,712	35.5	64.5	47.3
With children under 18 years of age	21,952	40.0	60.0	40.5	22,031	38.0	62.0	42.2
Wives	23,559	10.6	89.4	83.7	24,179	10.1	89.9	84.7
With children under 18 years of age	12,515	7.1	92.9	87.9	12,956	6.6	93.4	89.0
Relatives in married-couple families	12,409	8.4	93.6	89.1	12,858	6.3	93.7	89.2
Women who maintain families	5,137	64.8	35.2	23.5	5,067	63.0	37.0	20.1
With children under 18 years of age	3,331	77.3	22.7	11.8	3,282	76.8	23.2	12.7
Relatives in families maintained by women	3,879	26.3	73.7	61.9	4,160	25.5	74.5	63.0
Men who maintain families	1,634	58.0	42.0	32.1	1,623	53.4	46.6	35.3
With children under 18 years of age	696	74.3	25.7	16.4	674	70.0	30.0	19.1
Relatives in families maintained by men	1,198	18.3	81.7	71.9	1,322	17.9	82.1	74.5
Not in families ¹	15,475	-	-	-	16,014	-	-	-
White								
Total employed	88,986	37.4	62.6	52.9	90,693	36.5	63.5	54.0
In families	75,416	26.1	73.9	62.4	76,634	24.9	75.1	63.9
Husbands	34,161	37.4	62.6	45.0	34,225	38.0	64.0	46.4
With children under 18 years of age	19,681	40.7	59.3	39.0	19,703	38.8	61.2	40.7
Wives	21,036	10.2	89.8	84.3	21,531	9.7	90.3	85.3
With children under 18 years of age	10,910	6.6	93.4	88.7	11,260	5.9	94.1	90.0
Relatives in married-couple families	11,215	6.4	93.6	89.4	11,589	6.1	93.9	89.6
Women who maintain families	3,740	61.9	38.1	25.4	3,736	59.9	40.1	27.2
With children under 18 years of age	2,370	75.3	24.7	12.6	2,351	74.5	25.5	13.5
Relatives in families maintained by women	2,952	26.0	74.0	62.6	3,139	25.8	74.2	63.3
Men who maintain families	1,381	57.7	42.3	31.9	1,342	52.0	48.0	36.5
With children under 18 years of age	575	73.5	26.5	16.9	555	69.3	30.7	19.4
Relatives in families maintained by men	952	16.8	83.2	72.8	1,071	15.9	84.1	76.9
Not in families ¹	13,570	-	-	-	14,059	-	-	-
Black								
Total employed	9,382	43.4	56.6	48.2	9,634	41.4	58.6	50.1
In families	7,833	32.4	67.6	57.6	8,104	30.3	69.7	59.6
Husbands	2,550	32.0	68.0	56.4	2,587	29.0	71.0	58.3
With children under 18 years of age	1,671	32.6	67.4	55.7	1,690	30.2	69.8	57.2
Wives	1,919	15.7	84.3	76.1	2,019	15.3	84.7	77.4
With children under 18 years of age	1,199	12.1	87.9	80.6	1,274	12.0	88.0	80.8
Relatives in married-couple families	829	6.8	93.2	84.5	933	9.1	90.9	84.3
Women who maintain families	1,279	73.6	26.4	17.8	1,220	72.1	27.9	18.8
With children under 18 years of age	686	62.6	37.4	9.5	656	62.3	37.7	10.7
Relatives in families maintained by women	634	27.7	72.3	58.9	926	24.9	75.1	61.6
Men who maintain families	228	60.9	39.1	31.6	234	62.1	37.9	20.8
With children under 18 years of age	106	76.5	23.5	14.9	106	73.5	26.5	16.9
Relatives in families maintained by men	194	27.0	73.0	65.7	166	29.4	70.6	60.9
Not in families ¹	1,529	-	-	-	1,530	7.1	92.9	85.3
Hispanic origin								
Total employed	5,232	40.4	59.6	50.8	5,472	38.4	61.8	52.9
In families	4,511	30.9	69.1	58.9	4,742	28.9	71.1	61.0
Husbands	2,011	43.8	56.2	43.3	2,020	42.0	58.0	45.6
With children under 18 years of age	1,459	46.3	53.7	40.2	1,454	45.0	55.0	42.2
Wives	1,087	10.8	89.2	82.5	1,130	9.0	91.0	84.4
With children under 18 years of age	740	9.7	90.3	84.3	782	7.5	92.5	86.8
Relatives in married-couple families	617	8.0	92.0	85.1	728	7.1	92.9	85.3
Women who maintain families	311	65.9	34.1	24.7	322	66.0	34.0	20.2
With children under 18 years of age	204	80.8	19.2	11.4	226	73.0	27.0	16.6
Relatives in families maintained by women	272	24.7	75.3	61.6	288	30.6	69.4	52.2
Men who maintain families	116	54.8	45.2	37.1	130	43.7	56.3	47.7
With children under 18 years of age	40	(²)	(²)	(²)	50	(²)	(²)	(²)
Relatives in families maintained by men	97	11.0	89.0	78.3	125	7.5	92.5	82.8
Not in families ¹	721	-	-	-	730	-	-	-

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families, and some whose status is unknown.

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-72. Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin

Type of family, number of earners, race, and Hispanic origin	Number of families (in thousands)		Median weekly earnings			
	II 1982	II 1983	II 1982	II 1983	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Total families with earners ¹	40,931	40,533	\$455	\$471	3.5	0.3
Married-couple families	33,235	32,997	500	517	3.4	.2
One earner	14,490	14,558	345	354	2.7	-.6
Husband	11,426	11,230	393	410	4.2	.9
Wife	2,404	2,584	201	209	4.0	.7
Other family member	660	745	190	202	6.0	2.7
Two or more earners	18,746	18,438	618	646	4.5	1.2
Husband and wife	15,930	15,624	622	657	5.6	2.3
Husband and other family member(s)	2,235	2,110	646	640	-1.0	-4.1
Wife and other family member(s)	446	548	375	394	4.9	1.6
Other family members only	134	156	396	333	-15.8	-18.4
Families maintained by women	5,891	5,828	253	271	7.1	3.7
One earner	4,185	4,126	207	226	9.5	6.0
Householder	3,328	3,179	214	234	9.5	6.1
Other family member	857	947	185	200	8.3	4.9
Two or more earners	1,706	1,702	417	429	2.8	-.4
Families maintained by men	1,805	1,708	419	419	.0	-3.1
One earner	1,098	1,073	346	344	-.7	-3.8
Two or more earners	707	635	556	609	9.5	6.1
White						
Total families with earners ¹	35,523	34,931	471	488	3.6	.4
Married-couple families	29,709	29,318	507	526	3.6	.4
One earner	13,039	13,015	355	366	3.0	-.2
Husband	10,422	10,183	401	417	4.0	.8
Wife	2,028	2,173	200	208	4.2	.9
Two or more earners	16,670	16,303	624	654	4.8	1.5
Husband and wife	14,079	13,757	628	664	5.7	2.4
Families maintained by women	4,344	4,239	264	284	7.5	4.1
Families maintained by men	1,469	1,374	433	437	.9	-2.3
Black						
Total families with earners ¹	4,475	4,612	344	341	-.9	-4.0
Married-couple families	2,747	2,856	418	416	-.4	-3.5
One earner	1,137	1,207	248	256	3.4	.2
Husband	759	796	289	295	2.2	-1.0
Wife	322	331	207	207	.3	-2.8
Two or more earners	1,610	1,648	551	566	2.8	-.4
Husband and wife	1,448	1,439	560	590	5.4	2.1
Families maintained by women	1,446	1,470	219	229	4.5	1.2
Families maintained by men	282	286	377	301	-20.2	-22.7
Hispanic origin						
Total families with earners ¹	2,406	2,488	374	369	-1.3	-4.4
Married-couple families	1,905	1,930	404	399	-1.3	-4.4
One earner	867	998	266	267	.2	-2.9
Husband	740	835	286	298	3.9	.6
Wife	88	111	(²)	183	(²)	(²)
Two or more earners	1,038	932	\$527	537	1.9	-1.3
Husband and wife	825	716	529	550	4.1	.8
Families maintained by women	352	431	247	272	10.0	6.6
Families maintained by men	150	126	387	394	1.8	-1.4

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.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate quarterly earnings data published in tables A-72 through A-75. Because the Index for the most

recent quarter is not available at the time *Employment and Earnings* is published, it is necessary to lag the publication of these tables by 1 quarter. 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-73. Families with unemployed members and wage and salary workers by type of family and median weekly earnings

Type of family and relationship of unemployed members to wage and salary earners	Number of families (in thousands)		Median weekly earnings			
	II 1982	II 1983	II 1982	II 1983	Percent change over the year in:	
					Current dollars	Constant dollars
Married-couple families ¹	3,978	4,256	\$354	\$352	-0.5	-3.6
Husband unemployed	1,214	1,404	207	214	3.7	.5
Wife only earner	934	1,068	196	209	6.6	3.3
Wife and other earner(s)	142	165	378	376	-.4	-3.5
Other earner(s) only	139	171	170	165	-3.4	-6.5
Wife unemployed	1,233	1,217	351	342	-2.6	-5.7
Husband only earner	1,040	1,042	327	326	.1	-3.1
Husband and other earner(s)	176	156	639	589	-7.9	-10.8
Other earner(s) only	16	19	(²)	(²)	(²)	(²)
Other member(s) unemployed	1,530	1,635	\$548	\$561	2.5	-.7
Husband or wife earner	639	760	438	448	2.3	-.9
Both husband and wife earners	841	625	624	691	10.7	7.3
Other combinations of earners	50	51	(²)	(²)	(²)	(²)
Families maintained by women ¹	742	802	\$234	\$243	3.8	.5
Householder unemployed	89	114	(²)	161	(²)	(²)
Other member(s) unemployed	653	688	\$250	254	1.7	-1.5
Families maintained by men ¹	224	236	312	287	-7.8	-10.7

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.

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

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	II 1982	II 1983	II 1982	II 1983	Percent change over the year in:	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 16 years and over	70,653	70,312	\$308	\$320	3.9	0.7
Men, 16 years and over	42,635	42,011	370	383	3.6	.3
16 to 24 years	6,916	6,712	234	229	-2.1	-5.2
25 years and over	35,719	35,299	402	414	3.0	-.3
Women, 16 years and over	28,018	28,301	240	253	5.1	1.8
16 to 24 years	5,445	5,260	196	198	1.0	-2.2
25 years and over	22,573	23,041	254	272	7.1	3.7
FAMILY RELATIONSHIP						
Husbands	29,150	28,559	405	418	3.4	.2
Wives	14,543	14,684	247	261	5.7	2.4
Others in married-couple families	6,025	6,477	211	209	-.9	-4.0
Women who maintain families	4,002	3,834	241	259	7.3	4.0
Others in such families	2,319	2,404	213	221	4.1	.8
Men who maintain families	1,447	1,318	377	401	6.2	2.9
Others in such families	918	857	232	233	.3	-2.8
All other men ¹	6,532	6,519	346	354	2.5	-.7
All other women ¹	5,717	5,661	262	278	6.3	3.0
RACE AND HISPANIC ORIGIN						
White	61,581	61,199	316	327	3.5	.2
Men	37,778	37,208	380	393	3.4	.2
Women	23,803	23,991	243	254	4.8	1.5
Black	7,323	7,336	248	264	6.5	3.1
Men	3,888	3,831	290	294	1.3	-1.8
Women	3,436	3,505	221	240	8.5	5.1
Hispanic origin	4,038	4,126	248	253	2.2	-1.0
Men	2,560	2,574	276	280	1.4	-1.7
Women	1,477	1,553	209	225	7.2	3.8

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families, and some whose family status is unknown.

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 part-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	II 1982	II 1983	II 1982	II 1983	Percent change over the year in:	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 16 years and over	16,943	17,199	\$83	\$86	3.3	0.1
Men, 16 years and over	5,301	5,615	80	81	2.0	-1.2
16 to 24 years	3,263	3,299	67	68	1.0	-2.2
25 years and over	2,038	2,316	107	112	4.9	1.6
Women, 16 years and over	11,642	11,584	86	89	3.5	.3
16 to 24 years	3,975	3,887	68	68	-1.1	-4.2
25 years and over	7,667	7,697	100	102	1.8	-1.4
FAMILY RELATIONSHIP						
Husbands	1,454	1,453	103	113	9.1	5.7
Wives	6,119	6,119	101	103	1.2	-1.9
Others in married-couple families	4,768	4,885	65	66	1.8	-1.4
Women who maintain families	839	850	99	100	1.0	-2.2
Others in such families	1,228	1,190	68	68	-2	-3.3
Men who maintain families	83	122	(¹)	111	(¹)	(¹)
Others in such families	345	334	\$76	71	-6.4	-9.3
All other men ²	708	831	103	107	3.6	.3
All other women ²	1,400	1,415	93	90	-3.6	-6.7
RACE AND HISPANIC ORIGIN						
White	15,182	15,262	83	87	5.3	2.0
Men	4,662	4,855	79	81	2.8	-.4
Women	10,520	10,407	86	91	5.3	2.0
Black	1,395	1,549	83	77	-7.0	-9.9
Men	467	600	83	80	-3.9	-6.9
Women	927	950	82	76	-8.3	-11.2
Hispanic origin	781	822	86	93	8.5	5.1
Men	288	343	83	93	12.1	8.6
Women	493	480	89	93	4.8	1.5

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

² The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families, and some whose family status is unknown.

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-76. 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
TOTAL		
Managerial and professional specialty	17,347	\$440
Executive, administrative, and managerial	8,008	459
Professional specialty	9,340	431
Technical, sales, and administrative support	21,307	286
Technicians and related support	2,377	367
Sales occupations	6,317	319
Administrative support, including clerical	12,613	266
Service occupations	7,184	212
Private household	300	120
Protective service	1,464	343
Service, except private household and protective	5,420	198
Precision production, craft and repair	9,707	385
Mechanics and repairers	3,445	377
Construction trades	2,934	381
Other precision production, craft, and repair	3,328	399
Operators, fabricators, and laborers	13,292	275
Machine operators, assemblers, and inspectors	6,918	259
Transportation and material moving occupations	3,382	333
Handlers, equipment cleaners, helpers, and laborers	2,992	242
Farming, forestry, and fishing	1,475	198
Men		
Managerial and professional specialty	10,248	537
Executive, administrative, and managerial	5,276	550
Professional specialty	4,972	524
Technical, sales, and administrative support	8,113	392
Technicians and related support	1,391	430
Sales occupations	3,926	394
Administrative support, including clerical	2,795	367
Service occupations	3,667	260
Private household	11	(¹)
Protective service	1,324	\$356
Service, except private household and protective	2,331	227
Precision production, craft and repair	8,983	398
Mechanics and repairers	3,331	379
Construction trades	2,884	384
Other precision production, craft, and repair	2,768	425
Operators, fabricators, and laborers	9,685	312
Machine operators, assemblers, and inspectors	3,959	329
Transportation and material moving occupations	3,217	336
Handlers, equipment cleaners, helpers, and laborers	2,509	248
Farming, forestry, and fishing	1,315	203
Women		
Managerial and professional specialty	7,099	362
Executive, administrative, and managerial	2,731	343
Professional specialty	4,367	372
Technical, sales, and administrative support	13,194	248
Technicians and related support	986	295
Sales occupations	2,391	210
Administrative support, including clerical	9,817	249
Service occupations	3,517	180
Private household	289	118
Protective service	139	240
Service, except private household and protective	3,088	183
Precision production, craft and repair	724	250
Mechanics and repairers	113	349
Construction trades	50	(¹)
Other precision production, craft, and repair	561	\$236
Operators, fabricators, and laborers	3,607	210
Machine operators, assemblers, and inspectors	2,959	207
Transportation and material moving occupations	165	268
Handlers, equipment cleaners, helpers, and laborers	484	216
Farming, forestry, and fishing	160	159

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

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

B-1. Employees on nonagricultural payrolls by industry division, 1932 to date

(In thousands)

Year and month	Goods-producing											Service-producing						
	Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government						
							Total	Wholesale trade	Retail trade			Total	Federal	State and local				
Annual averages																		
1932.....	23,615	8,647	731	985	6,931	14,968	2,816	4,683	-	-	1,326	2,918	3,225	559	2,666			
1933.....	23,699	8,965	744	824	7,397	14,734	2,672	4,755	-	-	1,280	2,861	3,166	565	2,601			
1934.....	25,940	10,261	883	877	8,501	15,679	2,750	5,281	-	-	1,304	3,045	3,299	652	2,647			
1935.....	27,039	10,893	897	927	9,069	16,146	2,786	5,431	-	-	1,320	3,128	3,481	753	2,728			
1936.....	29,068	11,933	946	1,160	9,827	17,135	2,973	5,809	-	-	1,373	3,312	3,668	826	2,842			
1937.....	31,011	12,936	1,015	1,127	10,794	18,075	3,134	6,265	-	-	1,417	3,503	3,756	833	2,923			
1938.....	29,194	11,401	891	1,070	9,440	17,793	2,863	6,179	-	-	1,410	3,458	3,883	829	3,054			
1939.....	30,603	12,297	854	1,165	10,278	18,306	2,936	6,426	1,762	4,664	1,447	3,502	3,995	905	3,090			
1940.....	32,361	13,221	925	1,311	10,985	19,140	3,038	6,750	1,835	4,914	1,485	3,665	4,202	996	3,206			
1941.....	36,539	15,963	957	1,814	13,192	20,574	3,274	7,210	1,960	5,251	1,525	3,905	4,660	1,340	3,329			
1942.....	40,106	18,470	992	2,198	15,280	21,636	3,460	7,118	1,906	5,212	1,509	4,066	5,483	2,213	3,270			
1943.....	42,434	20,114	925	1,587	17,602	22,320	3,647	6,982	1,822	5,160	1,481	4,130	6,080	2,905	3,175			
1944.....	41,864	19,328	892	1,108	17,328	22,536	3,829	7,058	1,845	5,214	1,461	4,145	6,043	2,928	3,116			
1945.....	40,374	17,507	836	1,147	15,524	22,867	3,906	7,314	1,949	5,365	1,481	4,222	5,944	2,808	3,137			
1946.....	41,652	17,248	862	1,683	14,703	24,404	4,061	8,376	2,291	6,084	1,675	4,697	5,595	2,254	3,341			
1947.....	43,857	18,509	955	2,009	15,545	25,348	4,166	8,955	2,471	6,485	1,728	5,025	5,474	1,892	3,582			
1948.....	44,866	18,774	994	2,198	15,582	26,092	4,189	9,272	2,605	6,667	1,800	5,181	5,650	1,863	3,787			
1949.....	43,754	17,565	930	2,194	14,441	26,189	4,001	9,264	2,602	6,662	1,828	5,240	5,856	1,906	3,948			
1950.....	45,197	18,506	901	2,364	15,241	26,691	4,034	9,386	2,635	6,751	1,888	5,357	6,026	1,928	4,098			
1951.....	47,819	19,959	929	2,637	16,393	27,860	4,226	9,742	2,727	7,015	1,956	5,547	6,389	2,302	4,087			
1952.....	48,793	20,198	898	2,668	16,632	28,595	4,248	10,004	2,812	7,192	2,035	5,699	6,609	2,420	4,188			
1953.....	50,202	21,074	866	2,659	17,549	29,128	4,290	10,247	2,854	7,393	2,111	5,835	6,645	2,305	4,340			
1954.....	48,990	19,751	791	2,646	16,314	29,239	4,084	10,235	2,867	7,368	2,200	5,969	6,751	2,188	4,563			
1955.....	50,641	20,513	792	2,839	16,882	30,128	4,141	10,535	2,926	7,610	2,298	6,240	6,914	2,187	4,727			
1956.....	52,369	21,104	822	3,039	17,243	31,266	4,244	10,858	3,018	7,840	2,389	6,497	7,278	2,209	5,069			
1957.....	52,853	20,964	828	2,962	17,174	31,889	4,241	10,886	3,028	7,858	2,438	6,708	7,616	2,217	5,399			
1958.....	51,324	19,513	751	2,817	15,945	31,811	3,976	10,750	2,980	7,770	2,481	6,765	7,839	2,191	5,648			
1959.....	53,268	20,411	732	3,004	16,675	32,857	4,011	11,127	3,082	8,045	2,549	7,087	8,083	2,233	5,850			
1960.....	54,189	20,434	712	2,926	16,796	33,755	4,004	11,391	3,143	8,248	2,629	7,378	8,353	2,270	6,083			
1961.....	53,999	19,857	672	2,859	16,326	34,142	3,903	11,337	3,133	8,204	2,688	7,620	8,594	2,279	6,315			
1962.....	55,549	20,451	650	2,948	16,853	35,098	3,906	11,566	3,198	8,368	2,754	7,982	8,890	2,340	6,550			
1963.....	56,653	20,640	635	3,010	16,995	36,013	3,903	11,778	3,248	8,530	2,830	8,277	9,225	2,358	6,868			
1964.....	58,283	21,005	634	3,097	17,274	37,278	3,951	12,160	3,337	8,823	2,911	8,660	9,596	2,348	7,248			
1965.....	60,765	21,926	632	3,232	18,062	38,839	4,036	12,716	3,466	9,250	2,977	9,036	10,074	2,373	7,696			
1966.....	63,901	23,158	627	3,317	19,214	40,743	4,158	13,245	3,597	9,648	3,058	9,498	10,784	2,564	8,220			
1967.....	65,803	23,308	613	3,248	19,447	42,495	4,268	13,606	3,689	9,917	3,185	10,045	11,391	2,719	8,672			
1968.....	67,897	23,737	606	3,350	19,781	44,160	4,318	14,099	3,779	10,320	3,337	10,567	11,839	2,737	9,102			
1969.....	70,384	24,361	619	3,575	20,167	46,023	4,442	14,705	3,907	10,798	3,512	11,169	12,195	2,758	9,437			
1970.....	70,880	23,978	623	3,588	19,367	47,302	4,515	15,040	3,993	11,047	3,645	11,548	12,554	2,731	9,823			
1971.....	71,214	22,935	609	3,704	18,623	48,278	4,476	15,352	4,001	11,351	3,772	11,797	12,881	2,696	10,185			
1972.....	73,675	23,668	628	3,889	19,151	50,007	4,541	15,949	4,113	11,836	3,908	12,276	13,334	2,684	10,649			
1973.....	76,790	24,893	642	4,097	20,154	51,897	4,656	16,607	4,277	12,329	4,046	12,857	13,732	2,663	11,068			
1974.....	78,265	24,794	697	4,020	20,077	53,471	4,725	16,987	4,433	12,554	4,148	13,441	14,170	2,724	11,444			
1975.....	76,945	22,600	752	3,525	18,323	54,345	4,542	17,060	4,415	12,645	4,165	13,892	14,686	2,748	11,900			
1976.....	79,382	23,352	779	3,576	18,997	56,030	4,582	17,755	4,546	13,209	4,271	14,551	14,871	2,733	12,100			
1977.....	82,471	24,346	813	3,851	19,682	58,125	4,713	18,516	4,708	13,808	4,467	15,303	15,127	2,727	12,399			
1978.....	86,697	25,585	851	4,229	20,505	61,113	4,923	19,542	4,969	14,573	4,724	16,252	15,672	2,753	12,919			
1979.....	89,823	26,461	958	4,463	21,040	63,363	5,136	20,192	5,204	14,989	4,975	17,112	15,947	2,773	13,174			
1980.....	90,406	25,658	1,027	4,346	20,285	64,748	5,146	20,310	5,275	15,035	5,160	17,890	16,241	2,866	13,375			
1981.....	91,156	25,497	1,139	4,188	20,170	65,659	5,165	20,547	5,358	15,189	5,298	18,619	16,031	2,772	13,259			
1982.....	89,596	23,907	1,143	3,911	18,853	65,689	5,081	20,401	5,280	15,122	5,340	19,064	15,803	2,739	13,064			
Monthly data, seasonally adjusted																		
1982:																		
September...	89,235	23,530	1,100	3,875	18,555	65,705	5,054	20,380	5,252	15,128	5,351	19,136	15,784	2,735	13,049			
October.....	88,938	23,287	1,082	3,847	18,358	65,651	5,033	20,344	5,237	15,107	5,350	19,144	15,780	2,742	13,038			
November....	88,785	23,131	1,066	3,843	18,222	65,654	5,019	20,320	5,212	15,108	5,356	19,187	15,772	2,746	13,026			
December....	88,665	23,061	1,053	3,815	18,193	65,604	5,008	20,256	5,192	15,064	5,367	19,215	15,758	2,747	13,011			
1983:																		
January.....	88,885	23,186	1,037	3,905	18,244	65,699	4,979	20,355	5,185	15,170	5,374	19,238	15,753	2,748	13,005			
February....	88,746	23,049	1,014	3,790	18,245	65,697	4,966	20,343	5,181	15,162	5,384	19,262	15,742	2,742	13,000			
March.....	88,814	23,030	1,006	3,757	18,267	65,784	4,963	20,350	5,176	15,174	5,391	19,356	15,724	2,742	12,982			
April.....	89,090	23,159	997	3,786	18,376	65,931	4,988	20,329	5,180	15,149	5,423	19,478	15,713	2,738	12,975			
May.....	89,421	23,347	994	3,860	18,493	66,074	4,993	20,356	5,197	15,159	5,435	19,546	15,744	2,756	12,988			
June.....	89,844	23,518	1,003	3,933	18,582	66,326	4,992	20,494	5,222	15,272	5,451	19,668	15,721	2,742	12,979			
July.....	90,152	23,724	1,017	3,974	18,733	66,428	4,984	20,529	5,229	15,300	5,465	19,770	15,680	2,738	12,942			
August..P...	89,735	23,832	1,025	4,022	18,785	65,903	4,343	20,591	5,246	15,345	5,488	19,829	15,652	2,733	12,919			
September..P	90,468	23,927	1,023	4,050	18,854	66,541	5,015	20,494	5,254	15,240	5,485	19,889	15,658	2,741	12,917			

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

p = preliminary.

NOTE: Data from April 1982 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" under the Establishment Data section of the Explanatory Notes.

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
-	TOTAL	89,088	89,562	89,946	89,599	90,833	-	-	-	-	-
-	PRIVATE SECTOR	74,211	74,161	74,933	74,754	75,557	59,922	59,919	60,576	60,347	61,143
-	MINING	1,124	1,104	1,030	1,034	1,027	811	797	730	733	729
10	METAL MINING	63.5	62.3	61.5	62.6	-	44.7	44.4	45.1	45.8	-
101	Iron ores	6.2	6.1	8.5	9.2	-	3.7	3.8	5.7	6.4	-
102	Copper ores	20.6	20.3	19.3	19.1	-	14.4	14.4	13.9	13.4	-
11, 12	COAL MINING	232.1	235.0	208.3	211.6	-	187.6	190.7	167.9	170.3	-
12	BITUMINOUS COAL AND LIGNITE MINING	228.7	231.5	205.6	209.0	-	184.6	187.6	165.6	168.0	-
13	OIL AND GAS EXTRACTION	711.8	689.2	642.7	642.3	-	488.6	472.3	427.0	426.9	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	286.4	280.8	285.5	284.5	-	133.7	131.6	132.5	132.2	-
138	Oil and gas field services	425.4	408.4	357.2	357.8	-	354.9	340.7	294.5	294.7	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	116.9	117.0	117.2	117.6	-	89.6	89.9	89.6	90.2	-
142	Crushed and broken stone	38.7	38.5	41.0	40.9	-	31.1	31.0	32.6	32.6	-
144	Sand and gravel	35.5	35.4	37.1	37.3	-	-	-	-	-	-
147	Chemical and fertilizer minerals	23.2	23.5	19.7	20.1	-	-	-	-	-	-
-	CONSTRUCTION	4,164	4,109	4,208	4,304	4,293	3,246	3,195	3,278	3,371	3,359
15	GENERAL BUILDING CONTRACTORS	1,046.1	1,021.9	1,101.3	1,119.9	-	789.3	765.1	826.0	846.1	-
152	Residential building construction	482.2	470.4	530.9	538.7	-	353.0	341.1	386.9	395.0	-
153	Operative builders	47.5	46.5	61.5	62.5	-	23.2	21.7	34.7	35.2	-
154	Nonresidential building construction	516.4	505.0	508.9	518.7	-	413.1	402.3	408.4	415.9	-
16	HEAVY CONSTRUCTION CONTRACTORS	896.9	894.4	854.6	876.3	-	723.4	721.2	692.3	714.1	-
161	Highway and street construction	260.1	259.2	260.5	270.1	-	221.6	220.8	222.3	231.3	-
162	Heavy construction, except highway	636.8	635.2	594.1	606.2	-	501.8	500.4	470.0	482.8	-
17	SPECIAL TRADE CONTRACTORS	2,220.6	2,192.9	2,252.1	2,307.3	-	1,733.1	1,708.9	1,759.8	1,810.5	-
171	Plumbing, heating, air conditioning	505.0	500.9	497.4	510.1	-	368.0	364.4	359.6	368.4	-
172	Painting, paper hanging, decorating	138.4	134.6	140.3	141.6	-	116.4	112.9	118.1	119.9	-
173	Electrical work	412.4	409.8	400.5	410.1	-	315.0	313.7	302.4	312.8	-
174	Masonry, stonework, and plastering	323.4	322.6	345.8	358.3	-	273.7	272.8	294.1	306.4	-
175	Carpentering and flooring	107.7	107.4	120.4	123.7	-	80.6	79.6	91.1	93.8	-
176	Roofing and sheet metal work	167.2	166.6	164.3	170.6	-	134.3	133.6	131.2	137.5	-
-	MANUFACTURING	18,751	18,811	18,646	18,880	19,126	12,693	12,790	12,646	12,867	13,131
24, 25, 32-39	DURABLE GOODS	10,925	10,971	10,920	10,990	11,195	7,184	7,251	7,223	7,285	7,494
20-23, 28-31	NONDURABLE GOODS	7,826	7,840	7,726	7,890	7,931	5,509	5,539	5,423	5,582	5,637
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	621.5	623.0	706.4	724.0	727.2	510.4	512.1	592.0	607.9	611.5
241	Logging camps and logging contractors	82.5	84.2	91.2	94.5	-	63.8	65.5	72.1	75.0	-
242	Sawmills and planing mills	184.2	184.1	211.2	214.8	-	161.5	161.7	187.6	190.7	-
2421	Sawmills and planing mills, general	154.9	154.6	178.0	179.8	-	136.3	136.1	158.5	159.0	-
2426	Hardwood dimension and flooring	25.7	25.8	28.6	30.0	-	22.1	22.2	25.0	26.3	-
243	Millwork, plywood, and structural members	181.7	181.9	210.9	217.2	-	147.5	147.7	175.1	181.1	-
2431	Millwork	68.8	68.9	81.5	84.1	-	54.2	54.2	65.8	68.2	-
2434	Wood kitchen cabinets	42.0	42.1	48.9	50.9	-	32.9	32.8	39.0	41.0	-
2435	Hardwood veneer and plywood	22.1	21.8	23.1	23.8	-	19.1	19.0	20.2	21.0	-
2436	Softwood veneer and plywood	35.2	35.4	38.7	38.8	-	31.1	31.3	34.8	34.9	-
244	Wood containers	37.8	38.4	41.2	41.5	-	31.8	32.5	34.8	35.3	-
245	Wood buildings and mobile homes	63.5	63.0	79.1	80.9	-	46.7	45.8	62.0	63.6	-
2451	Mobile homes	45.6	44.9	56.5	58.4	-	35.4	34.4	46.0	47.7	-
249	Miscellaneous wood products	71.8	71.4	72.8	75.1	-	59.1	58.9	60.4	62.2	-
25	FURNITURE AND FIXTURES	431.5	433.1	446.6	456.6	462.3	340.5	342.8	353.7	363.3	369.1
261	Household furniture	264.3	268.4	274.7	280.6	-	217.1	221.1	227.0	232.7	-
2511	Wood household furniture	120.0	122.0	122.2	125.3	-	102.9	104.7	105.4	108.3	-
2512	Upholstered household furniture	82.7	83.1	88.7	91.0	-	66.5	67.1	71.6	73.8	-
2514	Metal household furniture	22.8	24.1	26.7	25.7	-	17.6	18.8	20.8	20.4	-
2515	Mattresses and bedspreads	28.2	28.3	28.5	29.5	-	21.1	21.2	21.5	22.5	-
252	Office furniture	54.9	55.1	56.8	59.1	-	42.2	42.6	43.5	45.9	-
253	Public building and related furniture	22.4	20.3	21.4	21.5	-	16.7	14.8	15.8	15.8	-
254	Partitions and fixtures	59.0	58.3	60.5	61.9	-	43.4	43.0	44.8	46.0	-
259	Miscellaneous furniture and fixtures	30.9	31.0	33.2	33.5	-	21.1	21.3	22.6	22.9	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
32	STONE, CLAY, AND GLASS PRODUCTS	587.1	585.3	588.5	596.7	601.0	446.5	446.2	450.6	458.9	464.5
321	Flat glass	16.8	16.7	16.7	17.0	-	13.4	13.2	13.0	13.2	-
322	Glass and glassware, pressed or blown	110.1	109.9	103.6	104.2	-	92.3	92.3	87.1	88.3	-
3221	Glass containers	62.6	62.1	57.5	58.0	-	55.0	54.7	50.6	51.2	-
3229	Pressed and blown glass, nec	47.5	47.8	46.1	46.2	-	37.3	37.6	36.5	37.1	-
323	Products of purchased glass	42.2	41.3	42.4	43.6	-	28.2	27.5	27.9	29.1	-
324	Cement, hydraulic	27.4	27.5	26.6	26.2	-	21.6	21.7	21.2	20.7	-
325	Structural clay products	34.1	34.2	37.6	38.7	-	24.6	25.0	28.6	28.9	-
326	Pottery and related products	38.8	39.2	38.2	39.1	-	31.1	31.6	29.7	30.7	-
327	Concrete, gypsum, and plaster products	191.0	190.0	199.3	202.2	-	146.7	145.7	154.7	157.7	-
3271	Concrete block and brick	18.1	18.2	19.3	19.4	-	12.2	12.4	13.0	13.4	-
3272	Concrete products, nec	61.6	61.4	62.0	63.6	-	46.2	45.8	46.6	48.0	-
3273	Ready-mixed concrete	93.6	92.6	99.6	100.5	-	74.1	73.2	80.3	81.2	-
329	Misc. nonmetallic mineral products	115.8	115.6	113.9	115.8	-	80.1	80.6	80.4	82.2	-
3291	Abrasive products	22.3	22.7	22.5	22.7	-	13.8	14.1	14.8	14.7	-
3292	Asbestos products	13.1	13.2	12.9	13.3	-	9.6	9.9	9.5	9.9	-
3296	Mineral wool	27.1	27.1	26.4	26.8	-	-	-	-	-	-
33	PRIMARY METAL INDUSTRIES	890.8	873.9	835.7	840.4	855.0	657.3	644.8	621.5	626.8	641.4
331	Blast furnace and basic steel products	375.5	360.1	339.1	338.2	-	276.9	264.8	254.9	254.4	-
3312	Blast furnaces and steel mills	309.8	294.8	278.7	276.8	-	229.4	217.6	211.1	209.5	-
3317	Steel pipe and tubes	25.5	25.5	22.2	22.7	-	18.4	18.5	15.6	16.2	-
332	Iron and steel foundries	153.4	151.7	141.8	144.4	-	117.4	116.2	108.1	110.3	-
3321	Gray iron foundries	93.6	93.4	91.3	93.9	-	73.9	73.8	72.0	74.4	-
3322	Malleable iron foundries	11.3	11.2	10.3	10.6	-	8.3	8.2	7.3	7.5	-
3325	Steel foundries, nec	38.7	36.9	31.0	30.8	-	29.1	27.7	22.4	22.1	-
333	Primary nonferrous metals	53.1	52.7	49.5	50.5	-	37.9	37.7	35.6	36.6	-
3334	Primary aluminum	28.0	27.9	26.2	27.0	-	20.6	20.6	19.8	20.6	-
335	Nonferrous rolling and drawing	186.3	187.1	182.4	180.7	-	131.0	132.0	128.3	127.5	-
3351	Copper rolling and drawing	26.1	26.4	26.1	26.5	-	19.3	19.7	19.0	19.5	-
3353	Aluminum sheet, plate, and foil	30.3	30.1	30.4	30.2	-	23.1	23.1	23.6	23.4	-
3357	Nonferrous wire drawing and insulating	78.3	78.6	75.0	72.5	-	54.8	55.3	52.4	50.6	-
336	Nonferrous foundries	79.8	79.9	82.3	85.1	-	62.6	62.9	65.2	67.8	-
3361	Aluminum foundries	46.7	46.4	49.4	51.0	-	37.5	37.4	40.1	41.5	-
34	FABRICATED METAL PRODUCTS	1,411.0	1,416.6	1,378.2	1,408.3	1,431.2	1,012.8	1,022.5	996.2	1,022.5	1,045.2
341	Metal cans and shipping containers	64.9	64.8	63.3	63.4	-	54.9	54.9	53.7	53.2	-
3411	Metal cans	53.1	52.7	51.0	51.3	-	45.9	45.5	44.1	43.9	-
342	Cutlery, hand tools, and hardware	136.7	137.4	136.3	139.7	-	98.6	99.6	99.5	102.5	-
3423.5	Hand and edge tools, and hand saws and blades	45.2	45.4	43.4	44.5	-	32.7	33.0	31.2	32.2	-
3429	Hardware, nec	78.3	79.0	80.8	82.6	-	56.8	57.8	60.3	61.9	-
343	Plumbing and heating, except electric	58.7	60.9	61.6	64.0	-	40.3	42.4	42.6	45.0	-
3432	Plumbing fittings and brass goods	22.6	22.7	23.4	23.9	-	17.6	17.8	17.5	17.9	-
3433	Heating equipment, except electric	27.0	29.1	29.2	30.9	-	17.0	18.8	19.0	20.7	-
344	Fabricated structural metal products	451.8	450.5	433.0	442.2	-	302.3	303.4	291.0	299.1	-
3441	Fabricated structural metal	87.4	86.6	77.0	78.5	-	61.1	60.5	52.8	54.5	-
3442	Metal doors, sash, and trim	76.5	76.3	85.3	87.1	-	55.8	55.7	62.7	64.4	-
3443	Fabricated plate work (boiler shops)	127.8	126.8	108.0	110.5	-	74.8	75.1	61.9	63.3	-
3444	Sheet metal work	99.1	99.5	102.4	104.7	-	70.7	71.4	73.5	75.9	-
3446	Architectural metal work	27.6	27.9	27.7	28.2	-	18.7	19.0	19.0	19.5	-
345	Screw machine products, bolts, etc.	89.2	87.7	84.9	86.2	-	66.5	65.5	62.8	64.2	-
3451	Screw machine products	41.6	40.9	40.7	41.2	-	32.5	31.9	31.9	32.4	-
3452	Bolts, nuts, rivets, and washers	47.6	46.8	44.2	45.0	-	34.0	33.6	30.9	31.8	-
346	Metal forgings and stampings	226.2	231.0	227.3	233.5	-	175.6	180.6	179.0	184.7	-
3462	Iron and steel forgings	36.6	36.1	32.2	32.9	-	27.0	26.8	23.9	24.5	-
3465	Automotive stampings	80.3	84.9	85.2	87.8	-	66.7	71.3	72.0	74.7	-
3469	Metal stampings, nec	97.9	98.6	99.3	101.8	-	73.4	74.0	75.1	77.2	-
347	Metal services, nec	92.7	92.5	91.1	93.4	-	72.8	72.7	72.3	74.1	-
3471	Plating and polishing	64.5	64.6	64.5	66.4	-	51.9	52.1	52.2	52.5	-
3479	Metal coating and allied services	28.2	27.9	26.6	27.0	-	20.9	20.6	20.1	20.6	-
348	Ordinance and accessories, nec	64.9	65.5	65.4	65.9	-	40.9	41.6	41.9	42.2	-
3483	Ammunition, exc. for small arms, nec	27.6	27.9	28.9	29.2	-	17.4	17.6	18.6	19.1	-
349	Misc. fabricated metal products	225.9	226.3	215.3	220.0	-	160.9	161.8	153.4	157.5	-
3494	Valves and pipe fittings	89.7	89.2	80.8	81.7	-	58.5	58.4	52.1	52.5	-
3498	Misc. fabricated wire products	50.1	50.1	50.7	52.5	-	37.7	38.0	38.3	39.9	-
35	MACHINERY, EXCEPT ELECTRICAL	2,186.7	2,183.8	2,079.3	2,078.5	2,114.1	1,293.1	1,298.7	1,212.4	1,211.5	1,250.0
351	Engines and turbines	106.5	106.9	100.6	93.5	-	64.0	64.5	58.6	53.1	-
3511	Turbines and turbine generator sets	40.9	40.9	36.7	36.1	-	22.1	22.2	18.2	17.3	-
3519	Internal combustion engines, nec	65.6	66.0	63.9	57.4	-	41.9	42.3	40.4	35.8	-
352	Farm and garden machinery	128.5	133.8	124.5	122.1	-	79.3	85.5	80.7	76.6	-
3523	Farm machinery and equipment	113.8	118.5	107.8	105.1	-	69.8	75.4	68.7	64.8	-
353	Construction and related machinery	315.5	308.2	267.1	265.1	-	190.7	185.6	149.6	149.6	-
3531	Construction machinery	98.2	100.3	91.0	90.3	-	56.7	58.9	46.8	46.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
	MACHINERY, EXCEPT ELECTRICAL—Continued										
3532	Mining machinery	31.1	29.1	23.5	22.2	-	18.4	16.9	13.2	12.6	-
3533	Oil field machinery	105.5	97.7	75.3	74.6	-	69.6	63.3	45.3	45.2	-
3535	Conveyers and conveying equipment	30.4	30.7	27.5	28.1	-	16.1	16.2	14.1	14.8	-
3537	Industrial trucks and tractors	26.6	26.1	27.2	27.1	-	15.8	15.6	16.4	16.5	-
354	Metalworking machinery	301.8	301.3	276.9	279.1	-	208.0	207.9	191.2	194.0	-
3541	Machine tools, metal cutting types	60.5	58.4	48.2	48.2	-	35.5	34.3	27.2	27.4	-
3542	Machine tools, metal forming types	20.0	19.2	16.4	16.4	-	11.9	11.3	9.5	9.5	-
3544	Special dies, tools, jigs, and fixtures	122.4	122.7	119.8	120.7	-	94.7	94.9	92.3	93.1	-
3545	Machine tool accessories	56.6	56.5	50.8	51.7	-	37.3	36.9	34.1	35.3	-
3546	Power driven hand tools	21.7	24.3	23.8	24.6	-	15.5	17.6	17.1	17.9	-
355	Special industry machinery	173.0	171.8	158.7	160.2	-	104.3	104.1	91.9	93.0	-
3551	Food products machinery	38.9	39.0	35.4	35.8	-	24.5	24.7	21.5	21.7	-
3552	Textile machinery	20.9	20.9	19.6	19.7	-	13.8	13.8	13.0	13.2	-
3555	Printing trades machinery	35.8	35.6	33.7	33.9	-	21.3	21.0	19.2	19.3	-
356	General industrial machinery	277.1	272.4	251.9	252.6	-	170.4	169.0	154.1	155.5	-
3561	Pumps and pumping equipment	55.1	54.2	49.0	49.5	-	30.8	30.9	26.7	27.1	-
3562	Ball and roller bearings	46.2	45.9	44.7	44.9	-	33.8	33.9	32.7	33.0	-
3563	Air and gas compressors	27.9	27.5	23.7	23.1	-	15.0	14.8	11.8	11.4	-
3564	Blowers and fans	37.2	36.4	34.1	34.2	-	27.7	27.4	20.6	20.9	-
3566	Speed changers, drives, and gears	21.6	20.1	18.9	19.2	-	13.6	12.5	11.8	12.3	-
3568	Power transmission equipment, nec	18.5	18.5	16.9	17.0	-	12.2	12.3	11.1	11.2	-
357	Office and computing machines	476.4	478.2	492.7	496.8	-	186.1	187.6	194.1	195.4	-
3573	Electronic computing equipment	410.5	410.3	427.7	431.9	-	153.3	153.1	162.7	164.1	-
358	Refrigeration and service machinery	152.0	154.9	158.5	158.6	-	100.6	104.1	108.5	108.8	-
3585	Refrigeration and heating equipment	101.8	103.8	110.6	110.3	-	68.0	71.0	77.1	77.2	-
359	Misc. machinery, except electrical	255.9	256.3	248.4	250.5	-	189.7	190.4	184.2	185.5	-
3592	Carburetors, pistons, rings, valves	34.0	34.5	33.6	34.2	-	26.2	26.6	26.6	27.0	-
3599	Machinery, except electrical, nec	221.9	221.8	214.8	216.3	-	163.5	163.8	157.6	158.5	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	2,003.2	2,005.1	2,038.6	2,039.7	2,090.6	1,198.0	1,204.0	1,229.2	1,230.8	1,278.5
361	Electric distributing equipment	109.1	109.2	107.0	108.7	-	76.0	76.7	76.4	77.9	-
3612	Transformers	49.0	48.6	46.4	47.8	-	35.0	34.9	32.4	33.5	-
3613	Switchgear and switchboard apparatus	60.1	60.6	60.6	60.9	-	41.0	41.8	44.0	44.4	-
362	Electrical industrial apparatus	198.4	196.7	191.0	192.3	-	136.4	135.1	131.6	133.1	-
3621	Motors and generators	96.4	96.3	96.5	97.1	-	72.2	72.5	73.5	74.2	-
3622	Industrial controls	63.3	61.5	57.7	58.3	-	38.1	36.4	33.7	34.4	-
363	Household appliances	138.4	142.7	148.9	149.8	-	106.1	110.4	115.7	116.8	-
3632	Household refrigerators and freezers	25.2	25.0	27.0	25.8	-	19.9	19.6	21.8	20.6	-
3633	Household laundry equipment	17.3	19.1	23.4	23.8	-	12.2	14.7	14.2	18.6	-
3634	Electric housewares and fans	44.4	46.0	41.8	44.7	-	34.3	35.6	31.3	34.1	-
364	Electric lighting and wiring equipment	184.5	184.8	183.5	185.5	-	133.5	134.2	134.3	136.0	-
3641	Electric lamps	30.3	29.4	26.9	26.0	-	26.4	25.6	23.5	22.4	-
3643	Current-carrying wiring devices	77.4	77.0	78.3	79.1	-	51.0	50.5	52.5	53.4	-
3644	Noncurrent-carrying wiring devices	17.3	17.8	16.8	16.9	-	12.3	12.9	12.1	12.3	-
3645	Residential lighting fixtures	21.8	22.4	23.7	25.0	-	16.2	16.8	17.9	19.2	-
365	Radio and TV receiving equipment	89.6	91.0	83.7	85.3	-	60.8	62.4	56.5	58.1	-
3651	Radio and TV receiving sets	70.2	70.6	64.4	66.1	-	47.4	47.6	42.6	44.1	-
366	Communication equipment	572.6	572.2	585.3	565.9	-	264.0	262.4	264.1	246.8	-
3661	Telephone and telegraph apparatus	146.2	145.5	139.8	119.6	-	93.6	92.2	88.0	69.4	-
3662	Radio and TV communication equipment	426.4	426.7	445.5	446.3	-	170.4	170.2	176.1	177.4	-
367	Electronic components and accessories	566.3	561.6	593.1	602.0	-	320.1	318.4	347.6	355.3	-
3671-3	Electronic tubes	42.6	42.6	44.1	44.3	-	25.9	25.9	27.9	27.7	-
3674	Semiconductors and related devices	231.5	227.8	238.5	240.9	-	90.3	90.6	100.6	101.7	-
3679	Electronic components, nec	223.0	222.8	239.3	243.4	-	152.3	151.1	165.5	170.4	-
369	Misc. electrical equipment and supplies	144.3	146.9	146.1	150.2	-	101.1	104.4	103.0	106.8	-
3691	Storage batteries	29.5	30.7	28.5	30.2	-	22.7	24.0	22.2	23.8	-
3694	Engine electrical equipment	55.4	56.3	56.9	57.3	-	42.4	43.5	43.8	44.1	-
37	TRANSPORTATION EQUIPMENT	1,692.2	1,748.2	1,779.9	1,762.3	1,823.9	1,037.5	1,091.7	1,113.1	1,092.9	1,151.5
371	Motor vehicles and equipment	678.6	724.2	769.8	763.2	-	492.1	534.6	578.2	567.8	-
3711	Motor vehicles and car bodies	301.5	338.1	366.1	354.8	-	205.1	239.3	265.0	251.4	-
3713	Truck and bus bodies	28.7	31.1	32.3	32.7	-	20.9	23.5	24.6	24.9	-
3714	Motor vehicle parts and accessories	323.1	329.8	337.5	340.6	-	248.1	253.7	262.4	264.9	-
3715	Truck trailers	19.7	18.4	23.3	25.0	-	14.0	12.9	17.5	18.8	-
372	Aircraft and parts	584.5	591.2	575.5	569.8	-	289.8	297.4	276.8	272.2	-
3721	Aircraft	311.8	312.9	306.2	306.1	-	137.1	139.5	130.0	129.3	-
3724	Aircraft engines and engine parts	142.9	147.7	139.4	134.2	-	78.4	82.9	73.1	69.5	-
3728	Aircraft equipment, nec	129.8	130.6	129.9	129.5	-	73.3	75.0	73.7	73.4	-
373	Ship and boat building and repairing	206.5	209.7	201.0	194.1	-	157.4	160.0	152.5	145.7	-
3731	Ship building and repairing	170.9	173.3	156.9	149.9	-	128.9	130.5	116.2	109.5	-
3732	Boat building and repairing	35.6	36.4	44.1	44.2	-	28.5	29.5	36.3	36.2	-
374	Railroad equipment	35.7	35.0	29.5	29.7	-	22.0	21.7	18.5	19.3	-
376	Guided missiles, space vehicles, parts	133.6	134.4	143.9	144.6	-	40.5	41.4	46.5	46.8	-
3761	Guided missiles and space vehicles	106.2	106.6	114.1	114.6	-	30.7	31.4	35.8	36.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
	TRANSPORTATION EQUIPMENT—Continued										
379	Miscellaneous transportation equipment	40.4	42.3	46.3	46.8	-	26.8	28.7	30.5	30.8	-
3792	Travel trailers and campers	16.3	15.8	19.2	20.8	-	12.5	12.1	15.0	16.4	-
38	INSTRUMENTS AND RELATED PRODUCTS	713.8	710.8	689.1	694.8	695.1	407.8	404.6	382.0	387.9	393.0
381	Engineering and scientific instruments	80.9	80.2	80.7	80.9	-	37.1	36.9	36.8	36.5	-
382	Measuring and controlling devices	243.7	242.8	235.6	236.5	-	146.5	145.9	137.2	138.6	-
3822	Environmental controls	41.9	42.1	44.2	44.8	-	27.5	27.3	28.5	29.8	-
3823	Process control instruments	59.1	57.8	54.1	54.0	-	29.7	28.9	25.7	25.6	-
3825	Instruments to measure electricity	102.5	101.5	99.1	99.1	-	62.2	61.5	57.4	57.6	-
383	Optical instruments and lenses	33.0	33.0	33.8	33.7	-	17.8	17.9	16.9	17.5	-
384	Medical instruments and supplies	158.3	158.3	159.7	161.9	-	96.4	96.5	97.0	98.7	-
3841	Surgical and medical instruments	76.5	76.4	77.5	78.6	-	43.9	44.0	45.3	46.2	-
3842	Surgical appliances and supplies	66.7	67.2	68.5	69.3	-	43.5	43.7	43.8	44.5	-
385	Ophthalmic goods	38.0	37.7	36.6	37.3	-	26.4	26.6	24.6	25.4	-
386	Photographic equipment and supplies	141.9	140.1	127.1	127.2	-	70.8	68.5	59.0	59.1	-
387	Watches, clocks, and watchcases	18.0	18.7	15.6	17.4	-	12.8	13.3	10.5	12.1	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	387.0	391.1	377.4	388.4	394.3	280.4	283.6	271.8	282.0	298.8
391	Jewelry, silverware, and plated ware	55.9	57.3	51.7	55.7	-	39.7	40.7	36.0	39.4	-
3911	Jewelry, precious metal	36.3	37.6	33.7	36.8	-	25.8	26.7	23.4	26.0	-
393	Musical instruments	18.8	18.9	19.3	19.9	-	14.7	14.9	15.0	15.6	-
394	Toys and sporting goods	113.5	113.9	113.3	115.2	-	83.9	84.1	82.3	84.1	-
3942, 4	Dolls, games, toys, and children's vehicles	62.0	62.1	60.7	62.1	-	44.6	44.5	42.9	44.2	-
3949	Sporting and athletic goods, nec	51.5	51.8	52.6	53.1	-	39.3	39.6	39.4	39.9	-
395	Pens, pencils, office and art supplies	31.5	31.2	30.7	30.6	-	21.6	21.2	21.3	21.3	-
396	Costume jewelry and notions	38.9	39.6	35.9	38.4	-	29.8	30.4	27.2	29.5	-
3961	Costume jewelry	20.4	21.2	18.5	19.8	-	16.1	16.8	14.1	15.3	-
399	Miscellaneous manufactures	128.4	130.2	126.5	128.6	-	90.7	92.3	90.0	92.1	-
3993	Signs and advertising displays	47.2	47.4	48.2	48.6	-	33.4	33.5	33.9	34.3	-
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	1,730.9	1,735.1	1,666.2	1,718.1	1,730.8	1,215.4	1,222.3	1,155.0	1,206.7	1,221.1
201	Meat products	347.2	347.9	347.8	347.5	-	290.1	290.4	290.6	291.1	-
2011	Meat packing plants	143.5	144.8	141.6	141.8	-	117.5	118.8	115.2	115.5	-
2013	Sausages and other prepared meats	72.2	71.7	72.0	71.2	-	53.9	53.1	53.5	53.1	-
2016	Poultry dressing plants	115.5	115.9	118.0	118.3	-	104.6	104.9	107.6	108.1	-
202	Dairy products	170.5	167.3	168.8	169.9	-	96.7	94.1	97.5	98.2	-
2022	Cheese, natural and processed	36.6	35.8	36.1	35.9	-	27.6	27.3	27.9	27.6	-
2026	Fluid milk	94.3	93.3	92.2	92.4	-	43.0	42.2	43.1	43.2	-
203	Preserved fruits and vegetables	318.9	322.9	256.8	306.4	-	274.7	278.2	213.6	262.2	-
2032	Canned specialties	26.0	27.1	23.1	24.7	-	19.6	20.5	17.2	18.5	-
2033	Canned fruits and vegetables	159.0	156.1	96.8	140.4	-	140.4	137.2	80.3	123.3	-
2037	Frozen fruits and vegetables	52.9	58.4	51.0	53.9	-	46.6	52.4	44.2	46.9	-
204	Grain mill products	134.6	134.2	136.1	136.6	-	91.3	91.5	91.6	92.0	-
2041	Flour and other grain mill products	25.8	25.8	27.2	27.2	-	15.5	15.9	16.2	16.2	-
2048	Prepared feeds, nec	50.9	50.5	49.7	49.5	-	32.6	32.2	31.8	31.6	-
205	Bakery products	219.8	219.5	220.6	219.5	-	129.0	129.3	130.9	130.2	-
2051	Bread, cake, and related products	176.9	175.9	176.3	175.5	-	94.9	94.2	95.3	94.8	-
2052	Cookies and crackers	42.9	43.6	44.3	44.0	-	34.1	35.1	35.6	35.4	-
206	Sugar and confectionery products	97.0	102.8	100.0	102.0	-	74.2	79.9	77.3	78.5	-
2061-3	Cane and beet sugar	24.3	26.7	24.2	24.2	-	17.9	20.2	18.3	18.1	-
2065	Confectionery products	52.2	55.4	55.2	56.7	-	42.4	45.5	45.0	46.0	-
207	Fats and oils	37.8	38.4	35.6	35.5	-	28.0	28.4	26.5	26.1	-
208	Beverages	234.1	232.8	230.7	229.3	-	101.2	101.8	98.1	97.8	-
2082	Malt beverages	50.9	50.5	48.6	47.8	-	32.2	32.2	29.7	29.1	-
2086	Bottled and canned soft drinks	138.2	135.2	137.0	136.3	-	45.6	44.2	45.0	44.9	-
209	Misc. foods and kindred products	171.0	169.3	169.8	171.4	-	130.2	128.7	128.9	130.6	-
21	TOBACCO MANUFACTURES	70.5	70.7	60.6	65.4	68.2	55.8	55.9	45.5	50.2	52.7
211	Cigarettes	46.2	45.7	45.0	44.3	-	35.3	34.7	33.9	33.4	-
22	TEXTILE MILL PRODUCTS	738.2	740.6	733.1	755.5	760.7	631.3	635.4	630.7	653.1	659.0
221	Weaving mills, cotton	122.8	124.0	120.9	123.4	-	107.6	109.1	107.4	110.1	-
222	Weaving mills, synthetics	93.1	94.0	89.4	92.1	-	82.2	83.7	79.9	82.5	-
223	Weaving and finishing mills, wool	16.0	16.0	16.4	17.4	-	13.2	13.3	13.7	14.6	-
224	Narrow fabric mills	22.5	22.2	20.6	22.2	-	19.4	19.2	17.5	19.1	-
225	Knitting mills	205.6	206.4	206.2	209.9	-	177.8	178.5	177.9	182.1	-
2251	Women's hosiery, except socks	31.8	31.7	33.2	34.1	-	28.5	28.4	29.8	30.7	-
2252	Hosiery, nec	31.7	31.5	32.6	33.2	-	28.7	28.5	29.4	29.9	-
2253	Knit outerwear mills	67.9	68.0	63.3	64.7	-	58.3	58.5	53.9	55.9	-
2254	Knit underwear mills	28.8	29.2	30.3	30.8	-	24.3	24.6	25.5	26.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
TEXTILE MILL PRODUCTS—Continued											
2257	Circular knit fabric mills	25.4	25.9	26.6	26.7	-	21.2	21.7	22.5	22.6	-
226	Textile finishing, except wool	64.2	63.5	63.6	65.4	-	52.6	52.1	53.0	54.6	-
2261	Finishing plants, cotton	26.8	26.3	26.8	27.7	-	21.6	21.3	22.2	23.0	-
2282	Finishing plants, synthetics	23.4	23.0	22.5	22.8	-	19.4	19.0	18.7	19.0	-
227	Floor covering mills	46.0	46.0	48.2	49.9	-	36.0	36.2	38.1	39.9	-
228	Yarn and thread mills	109.1	109.9	108.7	114.1	-	96.7	97.5	96.8	101.9	-
2281	Yarn mills, except wool	74.4	74.6	74.5	77.7	-	67.2	67.5	66.9	70.0	-
2282	Throwing and winding mills	17.0	17.3	17.1	18.4	-	14.8	15.1	15.4	16.4	-
229	Miscellaneous textile goods	58.9	58.6	59.1	61.1	-	45.8	45.8	46.4	48.3	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,158.1	1,167.5	1,136.3	1,182.5	1,194.1	978.6	988.2	958.1	1,002.5	1,014.2
231	Men's and boys' suits and coats	73.9	74.8	67.3	68.2	-	64.6	65.5	58.8	59.6	-
232	Men's and boys' furnishings	321.1	322.4	316.7	330.9	-	272.5	273.8	270.0	283.8	-
2321	Men's and boys' shirts and nightwear	91.4	91.3	91.1	93.3	-	78.1	78.1	78.3	80.2	-
2327	Men's and boys' separate trousers	65.0	64.4	60.6	63.9	-	56.3	55.9	53.2	55.7	-
2328	Men's and boys' work clothing	90.4	92.1	93.0	98.9	-	75.1	76.6	77.7	84.0	-
233	Women's and misses' outerwear	387.3	389.7	376.5	392.9	-	330.2	332.5	317.2	332.6	-
2331	Women's and misses' blouses and waists	63.9	63.2	61.6	63.6	-	54.9	54.4	52.1	53.9	-
2335	Women's and misses' dresses	128.5	129.9	122.5	128.9	-	111.7	112.9	104.7	110.5	-
2337	Women's and misses' suits and coats	59.9	59.9	58.6	62.5	-	50.7	51.0	49.3	53.0	-
2339	Women's and misses' outerwear, nec	135.0	136.7	133.8	137.9	-	112.9	114.2	111.1	115.2	-
234	Women's and children's undergarments	81.9	83.4	81.3	85.9	-	69.4	70.7	68.2	72.8	-
2341	Women's and children's underwear	67.5	69.0	66.9	70.9	-	58.6	59.9	57.5	61.6	-
2342	Brassieres and allied garments	14.4	14.4	14.4	15.0	-	10.8	10.8	10.7	11.2	-
236	Children's outerwear	61.2	60.6	61.6	61.4	-	51.8	51.1	52.6	52.3	-
2361	Children's dresses and blouses	26.5	26.3	25.6	25.9	-	23.6	23.4	22.6	23.0	-
238	Misc. apparel and accessories	49.9	49.8	44.7	47.8	-	41.8	41.8	36.8	39.6	-
239	Misc. fabricated textile products	163.5	167.5	168.8	175.3	-	132.3	136.9	138.3	144.9	-
2391	Curtains and draperies	23.8	24.4	24.1	25.2	-	19.3	19.9	19.7	20.7	-
2392	House furnishings, nec	47.6	48.5	49.8	52.5	-	39.4	40.5	41.8	44.5	-
2396	Automotive and apparel trimmings	30.0	31.6	30.7	31.9	-	23.7	25.9	25.2	26.3	-
26	PAPER AND ALLIED PRODUCTS	660.3	661.8	658.8	663.7	664.3	492.2	495.7	493.7	496.9	500.8
261, 2, 8	Paper and pulp mills	198.5	197.2	196.3	195.6	-	149.1	149.1	148.0	147.1	-
262	Paper mills, except building paper	172.1	171.1	169.3	169.0	-	127.9	128.0	126.0	125.5	-
263	Paperboard mills	59.3	60.4	59.1	59.1	-	45.7	47.0	45.3	45.4	-
264	Misc. converted paper products	213.8	213.8	216.3	219.3	-	154.7	154.9	158.2	159.8	-
2641	Paper coating and glazing	57.2	56.8	58.0	58.3	-	36.1	36.0	37.2	37.4	-
2642	Envelopes	25.1	25.2	25.4	25.9	-	19.2	19.4	19.8	20.1	-
2643	Bags, except textile bags	47.8	48.5	48.2	48.6	-	37.0	37.8	37.3	37.8	-
265	Paperboard containers and boxes	188.7	190.4	187.1	189.7	-	142.7	144.7	142.2	144.6	-
2651	Folding paperboard boxes	40.6	41.1	40.0	40.4	-	31.5	32.1	31.2	31.3	-
2653	Corrugated and solid fiber boxes	97.8	99.0	97.5	98.9	-	71.8	73.3	72.2	73.5	-
2654	Sanitary food containers	22.6	22.3	23.0	23.0	-	18.1	17.8	18.6	18.6	-
27	PRINTING AND PUBLISHING	1,261.9	1,263.1	1,279.0	1,281.6	1,286.1	691.6	695.1	698.4	701.0	706.5
271	Newspapers	415.8	415.5	422.8	422.8	-	157.1	157.4	158.3	157.4	-
272	Periodicals	97.9	97.8	99.7	99.3	-	21.0	21.1	20.9	20.7	-
273	Books	99.4	97.1	95.1	94.6	-	50.1	47.8	48.4	48.0	-
2731	Book publishing	70.6	69.4	67.5	67.2	-	26.8	25.7	25.8	25.7	-
2732	Book printing	28.8	27.7	27.6	27.4	-	23.3	22.1	22.6	22.3	-
274	Miscellaneous publishing	49.5	49.1	51.8	52.1	-	25.0	25.2	27.9	28.0	-
275	Commercial printing	420.2	424.8	428.6	430.3	-	307.6	312.1	311.7	314.2	-
2751	Commercial printing, letterpress	149.3	151.6	151.2	152.5	-	110.6	112.9	111.3	112.8	-
2752	Commercial printing, lithographic	248.1	250.5	255.1	255.1	-	178.9	181.1	182.5	183.3	-
276	Manifold business forms	47.4	47.6	47.9	48.2	-	33.1	33.5	33.1	33.4	-
278	Blankbooks and bookbinding	61.1	60.7	62.1	63.1	-	49.7	49.4	50.3	51.1	-
279	Printing trade services	45.1	45.5	46.7	46.8	-	33.2	33.7	34.3	34.6	-
28	CHEMICALS AND ALLIED PRODUCTS	1,079.8	1,071.1	1,064.0	1,063.3	1,061.7	598.9	596.3	590.0	589.3	593.0
281	Industrial inorganic chemicals	160.1	158.1	151.9	152.8	-	84.0	83.7	76.9	77.2	-
2819	Industrial inorganic chemicals, nec	106.1	105.2	103.0	103.7	-	55.7	56.5	52.7	52.8	-
282	Plastics materials and synthetics	183.6	182.6	181.3	181.2	-	118.2	118.0	117.8	117.9	-
2821	Plastics materials and resins	74.8	73.8	76.2	76.3	-	43.6	43.0	44.1	44.6	-
2824	Organic fibers, noncellulosic	77.2	77.2	74.0	73.9	-	53.4	53.8	52.1	52.0	-
283	Drugs	200.4	198.4	203.3	203.0	-	98.9	97.5	99.4	98.9	-
2834	Pharmaceutical preparations	157.3	155.7	159.6	159.7	-	76.5	75.3	76.8	76.4	-
284	Soap, cleaners, and toilet goods	150.1	149.3	153.3	153.5	-	94.5	94.8	95.9	96.5	-
2841	Soap and other detergents	44.7	44.5	45.6	45.2	-	29.2	29.1	29.5	28.8	-
2844	Toilet preparations	65.8	65.1	68.3	68.7	-	43.7	44.2	45.0	46.1	-
2842, 3	Polishing, sanitation, and finishing preparations	39.6	39.7	39.4	39.6	-	21.6	21.5	21.4	21.6	-
285	Paints and allied products	61.5	60.6	62.9	63.5	-	30.0	29.4	31.2	31.5	-
286	Industrial organic chemicals	170.4	168.9	162.4	161.0	-	85.6	84.9	82.6	82.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
2865	Cyclic crudes and intermediates	34.1	33.8	31.4	31.5	-	20.8	20.7	18.8	18.7	-
2861,8	Gum, wood, and industrial organic chemicals, nec.	136.3	135.1	131.0	129.5	-	64.8	64.2	63.8	63.3	-
287	Agricultural chemicals	62.9	62.6	59.2	58.3	-	37.2	37.2	35.4	34.3	-
289	Miscellaneous chemical products	90.8	90.6	89.7	90.0	-	50.5	50.8	50.4	51.0	-
	PETROLEUM AND COAL PRODUCTS	203.3	205.0	200.1	199.0	196.9	122.0	124.2	121.7	121.0	121.4
291	Petroleum refining	163.2	165.2	159.5	158.2	-	93.2	95.7	92.1	91.5	-
295	Paving and roofing materials	28.4	28.2	29.3	29.4	-	21.7	21.5	22.6	22.4	-
	RUBBER AND MISC. PLASTICS PRODUCTS	699.5	703.8	724.6	740.5	748.9	535.6	540.6	560.5	575.8	583.3
301	Tires and inner tubes	102.1	104.1	101.7	102.0	-	72.5	74.5	74.3	73.8	-
302	Rubber and plastics footwear	19.0	19.1	18.1	19.0	-	16.4	16.6	15.0	16.2	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting	21.3	21.7	20.9	21.8	-	14.8	15.0	14.3	15.1	-
306	Fabricated rubber products, nec	97.7	98.1	98.8	101.0	-	74.1	74.7	75.2	77.3	-
307	Miscellaneous plastics products	459.4	460.8	485.1	496.7	-	357.8	359.8	381.7	393.4	-
	LEATHER AND LEATHER PRODUCTS	223.6	221.3	203.0	220.8	219.6	187.4	185.3	169.2	185.4	184.7
311	Leather tanning and finishing	19.0	18.7	17.8	19.6	-	15.5	15.4	14.6	16.4	-
314	Footwear, except rubber	138.8	137.8	123.6	136.0	-	118.8	117.7	105.0	116.6	-
3143	Men's footwear, except athletic	54.9	54.8	48.9	54.0	-	45.5	45.1	39.3	44.0	-
3144	Women's footwear, except athletic	54.6	53.8	49.0	52.5	-	48.1	47.4	43.4	46.7	-
316	Luggage	13.8	13.4	13.1	14.3	-	10.0	9.6	9.5	10.4	-
317	Handbags and personal leather goods	28.5	28.0	26.8	28.0	-	23.4	23.0	21.9	22.9	-
-	TRANSPORTATION AND PUBLIC UTILITIES	5,070	5,102	4,999	4,356	5,065	4,178	4,216	4,115	3,472	4,174
	RAILROAD TRANSPORTATION	427.0	422.5	389.0	385.3	-	-	-	-	-	-
4011	Class I railroads ²	395.8	391.6	356.7	355.3	-	-	-	-	-	-
	LOCAL AND INTERURBAN PASSENGER TRANSIT	221.5	278.7	219.8	217.1	-	203.8	260.4	200.8	198.4	-
411	Local and suburban transportation	84.6	85.6	85.2	84.7	-	78.2	79.0	78.1	77.7	-
412	Taxicabs	40.9	40.7	38.4	38.3	-	-	-	-	-	-
413	Intercity highway transportation	39.7	39.5	36.3	36.5	-	36.5	36.6	33.4	33.5	-
415	School buses	36.4	93.9	40.6	38.7	-	-	-	-	-	-
	TRUCKING AND WAREHOUSING	1,220.7	1,225.6	1,233.2	1,236.6	-	1,060.8	1,065.8	1,074.3	1,077.5	-
421,3	Trucking and trucking terminals	1,137.9	1,141.7	1,154.7	1,155.6	-	991.4	995.4	1,009.1	1,009.6	-
422	Public warehousing	82.8	83.9	78.5	81.0	-	69.4	70.4	65.2	67.9	-
	WATER TRANSPORTATION	200.2	204.2	196.2	192.4	-	-	-	-	-	-
	TRANSPORTATION BY AIR	448.1	446.5	457.9	460.5	-	-	-	-	-	-
451,2	Air transportation	398.1	395.5	404.7	406.3	-	-	-	-	-	-
	PIPE LINES, EXCEPT NATURAL GAS	22.6	22.1	22.6	22.5	-	15.5	15.3	15.9	15.8	-
	TRANSPORTATION SERVICES	220.4	217.4	223.2	221.7	-	-	-	-	-	-
	COMMUNICATION	1,420.0	1,407.5	1,380.2	743.4	-	1,078.5	1,070.5	1,049.5	412.2	-
481	Telephone communication	1,071.5	1,056.7	1,066.0	366.0	-	790.3	780.5	750.7	110.7	-
483	Radio and television broadcasting	220.9	221.5	231.2	232.1	-	180.1	180.6	183.9	184.8	-
	ELECTRIC, GAS, AND SANITARY SERVICES	889.2	877.3	876.9	876.9	-	719.7	707.9	703.0	702.4	-
481	Electric services	428.2	424.5	439.2	439.2	-	341.5	336.8	349.0	349.2	-
482	Gas production and distribution	182.9	178.2	177.8	177.8	-	188.5	143.5	142.8	142.2	-
483	Combination utility services	200.7	198.0	183.3	183.4	-	163.7	161.7	144.6	144.4	-
485	Sanitary services	52.2	52.0	51.6	51.8	-	45.3	45.7	46.4	46.3	-
-	WHOLESALE AND RETAIL TRADE	20,492	20,501	20,586	20,684	20,627	17,900	17,910	17,997	18,083	18,009
	WHOLESALE TRADE	5,281	5,262	5,255	5,262	5,265	4,266	4,249	4,232	4,239	4,239
	WHOLESALE TRADE - DURABLE GOODS	3,084	3,065	3,075	3,082	-	2,474	2,456	2,460	2,466	-
501	Motor vehicles and automotive equipment	405.5	402.7	408.3	409.6	-	376.7	324.0	327.8	328.9	-
502	Furniture and home furnishing	112.3	112.5	113.9	115.9	-	92.4	92.6	92.6	94.8	-
503	Lumber and construction materials	180.3	179.8	193.9	195.7	-	146.9	146.6	160.2	161.3	-
504	Sporting goods, toys, and hobby goods	72.1	72.7	73.3	73.5	-	58.3	58.6	59.3	59.2	-
505	Metals and minerals, except petroleum	137.5	135.7	130.6	131.6	-	108.7	107.0	104.0	105.2	-
506	Electrical goods	430.2	428.3	432.4	429.5	-	344.2	342.4	343.9	340.3	-
507	Hardware, plumbing, and heating equipment	234.7	234.4	237.7	238.9	-	189.2	188.8	192.1	193.4	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
	WHOLESALE TRADE-DURABLE GOODS—										
	Continued										
508	Machinery, equipment, and supplies	1,336.7	1,324.5	1,309.3	1,309.7	-	1,063.6	1,052.1	1,034.3	1,034.8	-
509	Miscellaneous durable goods	174.5	174.1	176.0	177.4	-	144.3	143.7	146.2	148.0	-
51	WHOLESALE TRADE-NONDURABLE GOODS ..	2,197	2,197	2,180	2,180	-	1,792	1,791	1,772	1,773	-
511	Paper and paper products	158.9	158.4	162.0	162.4	-	128.0	127.6	131.6	132.5	-
512	Drugs, proprietaries, and sundries	154.8	154.2	154.0	154.3	-	130.5	130.1	128.5	129.3	-
513	Apparel, piece goods, and notions	170.2	169.8	167.6	169.6	-	133.0	132.4	127.5	129.0	-
514	Groceries and related products	674.1	672.2	667.3	662.7	-	578.2	577.0	573.3	568.3	-
516	Chemicals and allied products	134.1	133.3	134.4	135.1	-	95.5	94.2	91.1	93.9	-
517	Petroleum and petroleum products	225.4	222.4	221.2	219.2	-	169.7	167.3	168.1	166.9	-
518	Beer, wine, and distilled beverages	147.0	145.6	148.8	148.8	-	122.5	121.1	124.3	124.1	-
519	Miscellaneous nondurable goods	391.9	392.5	389.8	388.4	-	319.7	320.2	315.4	314.7	-
52-59	RETAIL TRADE	15,211	15,239	15,331	15,422	15,362	13,634	13,661	13,765	13,844	13,770
52	BUILDING MATERIALS AND GARDEN										
	SUPPLIES	590.9	587.0	615.9	616.4	-	497.3	493.4	520.7	521.4	-
521	Lumber and other building materials	303.4	300.9	324.9	326.3	-	256.4	253.7	276.7	278.0	-
525	Hardware stores	148.4	146.7	153.7	153.1	-	126.8	125.0	130.3	130.1	-
53	GENERAL MERCHANDISE STORES	2,153.7	2,163.6	2,165.0	2,176.1	-	1,996.7	2,009.2	2,028.4	2,036.1	-
531	Department stores	1,813.8	1,823.7	1,842.3	1,849.1	-	1,690.0	1,701.9	1,736.8	1,740.9	-
533	Variety stores	223.5	224.6	207.5	210.2	-	205.9	207.3	191.4	193.3	-
539	Misc. general merchandise stores	116.4	115.3	115.2	116.8	-	100.8	100.0	100.2	101.9	-
54	FOOD STORES	2,477.7	2,488.6	2,497.3	2,498.9	-	2,205.6	2,307.0	2,320.6	2,321.4	-
541	Grocery stores	2,173.0	2,183.6	2,188.0	2,189.3	-	2,019.6	2,031.0	2,041.6	2,041.8	-
542	Meat markets and freezer provisioners	57.4	57.7	59.6	59.8	-	-	-	-	-	-
548	Retail bakeries	128.5	129.5	134.2	135.0	-	117.8	118.9	122.4	123.3	-
55	AUTOMOTIVE DEALERS AND SERVICE										
	STATIONS	1,632.1	1,622.9	1,635.9	1,643.4	-	1,377.6	1,367.0	1,377.4	1,385.8	-
551.2	New and used car dealers	738.7	737.9	755.1	759.2	-	607.0	605.5	621.2	625.6	-
553	Auto and home supply stores	262.4	261.8	262.3	263.8	-	226.2	225.1	226.7	227.9	-
554	Gasoline service stations	551.7	547.6	536.8	539.5	-	480.5	476.3	463.5	466.5	-
56	APPAREL AND ACCESSORY STORES	929.9	929.8	934.7	946.1	-	788.2	787.1	790.5	800.8	-
561	Men's and boys' clothing and furnishings	116.2	116.2	114.8	114.4	-	98.0	97.9	96.5	95.9	-
562	Women's ready-to-wear stores	337.9	337.8	343.9	347.6	-	289.2	289.6	292.9	295.3	-
565	Family clothing stores	174.4	172.6	172.0	173.4	-	152.1	150.1	150.2	151.6	-
568	Shoe stores	200.8	200.3	196.1	201.4	-	163.1	161.8	158.9	164.7	-
57	FURNITURE AND HOME FURNISHINGS										
	STORES	572.3	571.2	583.7	589.9	-	471.2	470.7	482.8	489.8	-
571	Furniture and home furnishings stores	343.2	343.1	350.8	354.9	-	283.0	283.0	291.3	295.6	-
572	Household appliance stores	77.5	74.6	74.8	75.5	-	66.0	63.6	63.9	64.7	-
573	Radio, television, and music stores	151.6	153.5	158.1	159.5	-	122.2	124.1	127.6	129.5	-
58	EATING AND DRINKING PLACES	4,961.3	4,971.7	5,008.7	5,047.0	-	4,561.5	4,570.3	4,610.0	4,639.5	-
59	MISCELLANEOUS RETAIL	1,893.5	1,904.0	1,889.8	1,904.6	-	1,646.2	1,655.8	1,634.3	1,649.5	-
591	Drug stores and proprietary stores	489.6	488.6	487.6	490.8	-	438.4	437.0	432.8	436.2	-
592	Liquor stores	126.7	127.0	126.3	124.8	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	607.9	616.4	615.4	623.5	-	518.5	526.5	521.1	525.4	-
596	Nonstore retailers	248.3	253.1	245.8	251.6	-	229.2	234.5	226.0	231.6	-
598	Fuel and ice dealers	98.2	98.4	95.7	96.0	-	81.1	81.0	79.0	78.9	-
599	Retail stores, nec.	260.3	259.3	255.0	253.8	-	218.2	217.3	213.3	212.9	-
-	FINANCE, INSURANCE, AND REAL										
	ESTATE ²	5,402	5,355	5,536	5,548	5,490	4,045	4,001	4,140	4,144	4,085
60	BANKING	1,666.8	1,651.1	1,675.6	1,675.3	-	1,248.2	1,234.9	1,251.4	1,249.9	-
602	Commercial and stock savings banks	1,516.9	1,502.4	1,520.5	1,520.5	-	1,128.5	1,116.7	1,128.8	1,127.4	-
61	CREDIT AGENCIES OTHER THAN BANKS	580.5	578.6	620.4	622.6	-	438.3	436.4	472.1	474.1	-
612	Savings and loan associations	269.8	269.4	296.1	297.7	-	205.9	205.4	227.2	228.8	-
614	Personal credit institutions	194.5	194.1	196.4	196.9	-	148.5	147.7	150.4	150.8	-
62	SECURITY, COMMODITY BROKERS, AND										
	SERVICES	274.2	271.7	315.0	317.0	-	-	-	-	-	-
621	Security brokers and dealers	223.7	221.7	254.0	256.0	-	-	-	-	-	-
63	INSURANCE CARRIERS	1,240.1	1,233.3	1,235.3	1,236.9	-	846.3	839.2	840.4	838.5	-
631	Life insurance	548.6	545.8	538.0	538.9	-	337.6	334.4	329.0	327.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
	INSURANCE CARRIERS—Continued										
632	Medical service and health insurance	141.8	141.5	146.6	146.8	-	112.9	112.6	117.1	117.1	-
633	Fire, marine, and casualty insurance	479.0	475.4	471.0	470.5	-	341.5	337.6	331.2	329.9	-
64	INSURANCE AGENTS, BROKERS, AND SERVICE	476.4	474.8	483.5	484.5	-	-	-	-	-	-
65	REAL ESTATE	1,007.3	990.0	1,048.9	1,053.1	-	-	-	-	-	-
651	Real estate operators and lessors	497.4	491.1	517.2	521.6	-	-	-	-	-	-
653	Real estate agents and managers	366.9	360.0	377.8	379.5	-	-	-	-	-	-
655	Subdividers and developers	123.8	119.7	132.0	129.6	-	-	-	-	-	-
66	COMBINED REAL ESTATE, INSURANCE, ETC.	17.9	17.8	16.9	17.0	-	-	-	-	-	-
67	HOLDING AND OTHER INVESTMENT OFFICES	138.5	138.0	140.0	141.4	-	-	-	-	-	-
-	SERVICES	19,208	19,179	19,928	19,948	19,929	17,049	17,010	17,670	17,677	17,656
70	HOTELS AND OTHER LODGING PLACES	1,233.4	1,143.2	1,222.5	1,237.4	-	-	-	-	-	-
701	Hotels, motels, and tourist courts	1,154.1	1,100.6	1,148.1	1,158.1	-	1,059.8	1,006.1	1,047.1	1,057.0	-
72	PERSONAL SERVICES	909.4	926.1	911.3	912.8	-	-	-	-	-	-
721	Laundry, cleaning, and garment services	345.3	346.4	346.4	347.6	-	307.6	308.6	308.1	308.4	-
723	Beauty shops	283.4	286.7	297.6	296.5	-	260.6	264.7	275.3	274.9	-
726	Funeral service and crematories	72.1	72.1	72.8	72.6	-	-	-	-	-	-
73	BUSINESS SERVICES	3,335.7	3,336.8	3,653.9	3,684.0	-	2,910.2	2,908.9	3,179.6	3,204.4	-
731	Advertising	161.1	162.1	167.4	168.4	-	124.0	124.0	125.4	126.0	-
732	Credit reporting and collection	74.4	74.7	80.3	79.8	-	-	-	-	-	-
733	Mailing, reproduction, stenographic	132.4	134.3	139.9	141.2	-	-	-	-	-	-
734	Services to buildings	528.6	524.6	555.5	555.1	-	481.7	476.9	505.3	505.6	-
736	Personnel supply services	580.0	586.3	743.9	761.2	-	-	-	-	-	-
737	Computer and data processing services	360.9	362.3	402.4	403.8	-	294.3	296.6	333.6	334.5	-
75	AUTO REPAIR, SERVICES, AND GARAGES	586.1	584.1	593.8	594.0	-	494.9	492.6	503.0	502.3	-
753	Automotive repair shops	368.4	366.1	369.5	368.6	-	307.7	305.3	310.2	308.1	-
76	MISCELLANEOUS REPAIR SERVICES	280.0	279.5	270.7	273.9	-	236.5	235.3	224.7	227.8	-
78	MOTION PICTURES	222.5	212.3	220.8	222.9	-	192.8	181.8	192.0	193.2	-
781	Motion picture production and services	82.0	80.7	83.1	87.9	-	66.8	65.0	68.8	73.3	-
783	Motion picture theaters	130.2	121.1	127.4	124.7	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	927.6	861.9	991.2	987.5	-	848.1	781.6	911.2	906.4	-
80	HEALTH SERVICES	5,858.0	5,847.0	5,995.2	5,996.4	-	5,241.6	5,236.2	5,377.0	5,376.7	-
801	Offices of physicians	834.2	831.3	866.5	867.5	-	680.7	680.8	729.9	728.4	-
802	Offices of dentists	386.2	386.7	412.1	412.7	-	339.9	342.8	364.3	365.3	-
805	Nursing and personal care facilities	1,076.0	1,074.8	1,106.2	1,110.4	-	974.3	973.1	1,000.7	1,004.4	-
806	Hospitals	3,039.8	3,032.0	3,044.7	3,039.2	-	2,793.0	2,788.2	2,793.6	2,789.3	-
81	LEGAL SERVICES	577.2	570.0	618.4	616.3	-	488.8	481.6	523.7	521.3	-
82	EDUCATIONAL SERVICES	993.4	1,150.1	1,009.6	994.9	-	-	-	-	-	-
821	Elementary and secondary schools	277.7	315.8	271.1	268.8	-	-	-	-	-	-
822	Colleges and universities	600.4	717.4	616.8	603.2	-	-	-	-	-	-
83	SOCIAL SERVICES	1,168.6	1,178.4	1,268.5	1,268.3	-	-	-	-	-	-
86	MEMBERSHIP ORGANIZATIONS	1,522.2	1,517.6	1,534.3	1,523.1	-	-	-	-	-	-
89	MISCELLANEOUS SERVICES	1,059.0	1,045.5	1,075.2	1,081.2	-	863.5	850.2	881.8	888.5	-
891	Engineering and architectural services	580.2	571.1	585.0	589.2	-	476.7	467.9	488.1	493.3	-
893	Accounting, auditing, and bookkeeping	348.1	349.4	358.2	361.0	-	277.5	277.7	285.5	287.8	-
-	GOVERNMENT	14,877	15,401	15,013	14,845	15,276	-	-	-	-	-
-	FEDERAL GOVERNMENT	2,773	2,701	2,796	2,766	2,708	-	-	-	-	-
-	Executive, by agency ⁴	2,716.9	2,646.0	2,738.6	-	-	-	-	-	-	-
-	Department of Defense	954.1	910.3	964.7	-	-	-	-	-	-	-
-	Postal Service	663.9	656.6	661.6	-	-	-	-	-	-	-
-	Other executive agencies	1,098.9	1,079.1	1,112.3	-	-	-	-	-	-	-
-	Legislative	40.3	38.7	41.6	-	-	-	-	-	-	-
-	Judicial	15.8	15.8	16.2	-	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
	FEDERAL GOVERNMENT—Continued										
	Federal Government, by industry										
-	Manufacturing activities	135.0	126.9	138.6	138.1	-	-	-	-	-	-
3731	Shipbuilding and repairing	82.1	76.4	83.5	83.1	-	-	-	-	-	-
-	Transportation and public utilities, except										
-	Postal Service	41.8	40.7	39.7	39.0	-	-	-	-	-	-
-	Services	403.1	393.5	402.5	401.3	-	-	-	-	-	-
806	Federal government hospitals	238.8	233.7	238.4	238.5	-	-	-	-	-	-
	STATE AND LOCAL GOVERNMENT	12,104	12,700	12,217	12,079	12,568	-	-	-	-	-
	State government	3,415.5	3,545.5	3,445.0	3,442.2	-	-	-	-	-	-
806	State government hospitals	496.1	493.0	478.6	477.3	-	-	-	-	-	-
82	State education	1,179.4	1,362.3	1,226.4	1,227.5	-	-	-	-	-	-
-	General administration including executive, legislative, and judicial functions	1,106.2	1,074.7	1,112.7	1,107.8	-	-	-	-	-	-
-	Local government	8,688.1	9,154.4	8,771.6	8,637.2	-	-	-	-	-	-
-	Transportation and public utilities	535.3	534.2	542.2	542.2	-	-	-	-	-	-
806	Local government hospitals	637.2	635.6	642.5	641.4	-	-	-	-	-	-
82	Local education	4,154.4	4,843.8	4,158.9	4,065.6	-	-	-	-	-	-
-	General administration including executive, legislative, and judicial functions	3,010.3	2,836.8	3,072.8	3,033.8	-	-	-	-	-	-

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

² Beginning January 1978, data relate to line haul railroads with operating revenues of \$50,000,000 or more.

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

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

- Data not available.

p=preliminary.

NOTE: Data from April 1982 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" under the Establishment Data section of the Explanatory Notes.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	June 1982	July 1982	May 1983	June 1983	July 1983
-	TOTAL	39,228	38,138	39,534	39,652	38,980
-	PRIVATE SECTOR	31,565	31,342	31,786	32,099	32,039
-	MINING	140	138	123	124	125
10	METAL MINING	6.3	5.9	5.6	5.8	5.7
11, 12	COAL MINING	11.9	11.9	11.0	10.9	11.1
13	OIL AND GAS EXTRACTION	112.0	110.4	98.1	98.9	99.7
131, 2	Crude petroleum, natural gas, and natural gas liquids.....	67.7	67.8	65.1	66.1	66.6
138	Oil and gas field services.....	44.8	42.6	33.0	32.8	33.1
14	NONMETALLIC MINERALS, EXCEPT FUELS	9.6	9.7	8.6	8.8	8.8
142	Crushed and broken stone.....	2.9	2.8	2.8	2.9	2.9
144	Sand and gravel.....	3.1	3.3	2.9	3.0	3.0
-	CONSTRUCTION	383	385	381	390	398
15	GENERAL BUILDING CONTRACTORS	121.2	122.2	124.6	129.5	132.2
152	Residential building construction.....	66.4	67.2	69.9	73.3	75.7
153	Operative builders.....	13.0	13.2	14.0	14.6	14.8
154	Nonresidential building construction.....	41.8	41.8	40.7	41.6	41.7
16	HEAVY CONSTRUCTION CONTRACTORS	65.6	65.5	61.4	62.4	63.6
161	Highway and street construction.....	15.3	16.0	14.9	16.0	16.8
162	Heavy construction, except highway.....	50.3	49.5	46.5	46.4	46.8
17	SPECIAL TRADE CONTRACTORS	196.6	197.2	195.3	199.3	201.8
171	Plumbing, heating, air conditioning.....	53.0	52.6	52.6	52.6	53.4
172	Painting, paper hanging, decorating.....	11.2	11.7	11.0	11.2	11.6
173	Electrical work.....	38.5	38.6	38.5	39.1	39.2
174	Masonry, stonework, and plastering.....	21.1	21.6	21.4	21.8	22.5
175	Carpentering and flooring.....	12.7	12.9	13.7	14.1	14.6
176	Roofing and sheet metal work.....	12.7	12.8	13.3	13.5	13.4
-	MANUFACTURING	6,052	5,911	5,942	6,031	5,978
24, 25, 32-39	DURABLE GOODS	2,871	2,814	2,795	2,828	2,818
20-23, 26-31	NONDURABLE GOODS	3,181	3,097	3,147	3,203	3,160
	DURABLE GOODS					
24	LUMBER AND WOOD PRODUCTS	91.9	90.7	98.4	101.3	101.4
241	Logging camps and logging contractors.....	5.9	5.9	5.9	6.2	6.4
242	Sawmills and planing mills.....	16.5	16.6	18.3	18.8	18.9
2421	Sawmills and planing mills, general.....	11.5	11.5	12.7	13.1	13.2
243	Millwork, plywood, and structural members.....	36.8	36.4	40.4	41.9	42.3
244	Wood containers.....	6.5	6.3	6.1	6.0	6.1
245	Wood buildings and mobile homes.....	7.5	7.5	8.4	8.8	9.0
248	Miscellaneous wood products.....	18.7	18.0	19.3	19.6	18.7
25	FURNITURE AND FIXTURES	129.0	124.3	133.6	134.1	133.1
251	Household furniture.....	87.9	83.5	91.5	91.4	90.1
2511	Wood household furniture.....	37.3	36.0	38.9	38.6	38.4
2512	Upholstered household furniture.....	29.2	28.2	31.0	31.2	31.1
2515	Mattresses and bedspings.....	7.7	7.5	8.2	8.4	8.3
252	Office furniture.....	13.9	13.5	13.5	13.7	13.8
253	Public building and related furniture.....	5.0	4.9	4.7	4.8	4.8
254	Partitions and fixtures.....	10.1	10.1	10.4	10.5	10.6
259	Miscellaneous furniture and fixtures.....	12.1	12.3	13.5	13.7	13.8
32	STONE, CLAY, AND GLASS PRODUCTS	116.5	115.2	110.1	111.5	111.5
322	Glass and glassware, pressed or blown.....	36.2	36.3	33.1	33.8	33.6
3221	Glass containers.....	21.1	21.0	18.3	18.8	18.6
3229	Pressed and blown glass, nec.....	15.1	15.3	14.8	15.0	15.0
323	Products of purchased glass.....	12.3	12.3	12.5	12.6	12.4
324	Cement, hydraulic.....	1.7	1.7	1.5	1.5	1.5
325	Structural clay products.....	5.6	5.5	5.7	5.9	5.8
326	Pottery and related products.....	13.7	13.3	13.6	13.5	13.6
327	Concrete, gypsum, and plaster products.....	15.3	15.3	14.8	15.2	15.8
329	Misc. nonmetallic mineral products.....	28.7	27.7	26.0	26.2	25.8
33	PRIMARY METAL INDUSTRIES	105.8	108.1	96.9	97.6	97.7
331	Blast furnace and basic steel products.....	30.9	30.0	26.0	26.1	26.3
3312	Blast furnaces and steel mills.....	22.0	21.5	18.5	18.8	19.0
332	Iron and steel foundries.....	15.7	15.4	13.1	13.1	13.3

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry—Continued

(In thousands)

1972 SIC Code	Industry	June 1982	July 1982	May 1983	June 1983	July 1983
PRIMARY METAL INDUSTRIES —Continued						
3321	Gray iron foundries	7.0	6.9	6.1	6.2	6.2
3322	Malleable iron foundries .....	.9	.9	.8	.8	.9
3325	Steel foundries, nec	3.9	3.9	3.3	3.3	3.4
333	Primary nonferrous metals	4.0	3.8	3.3	3.4	3.4
3334	Primary aluminum	1.8	1.7	1.3	1.4	1.4
335	Nonferrous rolling and drawing	35.1	34.9	34.5	34.8	34.5
3351	Copper rolling and drawing	3.2	3.2	3.3	3.2	3.2
3353	Aluminum sheet, plate, and foil	3.2	3.3	3.2	3.1	3.3
3357	Nonferrous wire drawing and insulating	21.3	21.2	20.3	20.7	20.1
336	Nonferrous foundries	14.6	14.6	15.0	15.1	15.1
3361	Aluminum foundries	7.8	7.9	7.7	7.8	7.7
34	FABRICATED METAL PRODUCTS	305.3	296.4	301.6	305.0	300.3
341	Metal cans and shipping containers	11.5	11.1	10.6	10.6	10.6
3411	Metal cans	9.7	9.4	8.8	8.8	8.8
342	Cutlery, hand tools, and hardware	47.4	46.6	47.2	48.2	46.8
3423, 5	Hand and edge tools, and hand saws and blades	13.6	13.1	13.1	13.3	13.1
3429	Hardware, nec	28.0	27.6	28.5	29.2	28.4
343	Plumbing and heating, except electric	15.1	14.7	15.8	15.9	15.6
344	Fabricated structural metal products	66.2	66.2	64.5	65.9	66.8
3441	Fabricated structural metal	7.1	7.0	6.2	6.3	6.3
3442	Metal doors, sash, and trim	19.4	19.7	21.2	22.3	22.9
3443	Fabricated plate work (boiler shops)	16.9	16.9	14.3	14.2	14.2
3444	Sheet metal work	14.1	14.2	14.4	14.6	15.0
345	Screw machine products, bolts, etc.	20.8	20.3	19.6	19.9	19.5
3451	Screw machine products	10.4	10.1	9.9	10.2	9.9
3452	Bolts, nuts, rivets, and washers	10.4	10.2	9.7	9.7	9.6
346	Metal forgings and stampings	47.3	44.3	46.6	47.0	46.0
3462	Iron and steel forgings	3.8	3.7	3.1	3.1	3.1
3465	Automotive stampings	12.5	12.1	12.3	12.5	12.2
3469	Metal stampings, nec	28.6	26.3	29.0	29.3	28.5
347	Metal services, nec	23.0	21.1	23.6	23.8	22.6
3471	Plating and polishing	17.2	15.5	17.8	17.9	16.6
3479	Metal coating and allied services	5.8	5.6	5.8	5.9	6.0
348	Ordnance and accessories, nec	18.6	18.5	19.0	19.0	19.1
349	Misc. fabricated metal products	55.4	53.6	54.7	54.7	53.3
3494	Valves and pipe fittings	20.6	19.9	19.6	19.6	18.8
3496	Misc. fabricated wire products	13.5	12.9	13.5	13.7	13.4
35	MACHINERY, EXCEPT ELECTRICAL	486.8	474.9	451.2	453.6	455.4
351	Engines and turbines	20.3	19.8	19.1	19.3	18.9
3511	Turbines and turbine generator sets	6.3	6.2	5.5	5.2	5.3
3519	Internal combustion engines, nec	14.0	13.6	13.6	14.1	13.6
352	Farm and garden machinery	23.5	20.8	20.9	20.9	20.8
3523	Farm machinery and equipment	18.3	17.2	15.5	15.5	15.6
353	Construction and related machinery	49.4	47.0	36.0	35.8	35.8
3531	Construction machinery	12.8	12.1	9.5	9.2	9.4
3533	Oil field machinery	19.0	17.7	12.4	12.2	11.9
354	Metalworking machinery	49.9	47.9	45.6	45.9	46.2
3541	Machine tools, metal cutting types	8.8	8.3	6.8	6.9	6.8
3544	Special dies, tools, jigs, and fixtures	14.4	14.2	14.2	14.4	14.5
3545	Machine tool accessories	11.8	11.4	10.5	10.4	10.1
355	Special industry machinery	26.9	26.3	25.0	25.0	25.0
3551	Food products machinery	5.1	5.0	4.7	4.7	4.7
3552	Textile machinery	4.3	4.1	3.8	3.8	3.8
3555	Printing trades machinery	6.8	6.7	6.7	6.7	6.7
356	General industrial machinery	59.2	57.0	50.2	50.4	50.4
3561	Pumps and pumping equipment	10.6	10.5	9.2	9.2	9.2
3562	Ball and roller bearings	13.6	12.8	10.7	10.8	10.8
357	Office and computing machines	177.5	178.3	178.9	181.2	182.6
3573	Electronic computing equipment	151.9	152.7	154.2	156.7	158.5
358	Refrigeration and service machinery	34.4	33.6	34.1	33.8	34.0
3585	Refrigeration and heating equipment	23.3	22.7	23.2	22.7	23.1
359	Misc. machinery, except electrical	45.7	44.2	41.4	41.4	41.7
3599	Machinery, except electrical, nec	36.7	35.6	32.8	33.1	33.1
36	ELECTRIC AND ELECTRONIC EQUIPMENT	861.8	843.8	845.7	857.6	856.2
361	Electric distributing equipment	43.4	41.4	42.0	42.9	42.5
3612	Transformers	17.9	17.7	16.9	17.5	17.2
3613	Switchgear and switchboard apparatus	25.6	23.7	25.1	25.4	25.3
362	Electrical industrial apparatus	78.7	75.8	69.9	70.5	70.5
3621	Motors and generators	40.9	38.7	38.2	38.7	38.8
3622	Industrial controls	26.6	26.4	21.9	22.0	21.8
363	Household appliances	52.2	49.1	50.9	52.7	51.3
3632	Household refrigerators and freezers	7.6	6.7	5.7	6.1	6.1
3633	Household laundry equipment	3.5	4.0	4.6	4.8	4.8
3634	Electric housewares and fans	25.2	22.8	24.1	24.6	23.2
364	Electric lighting and wiring equipment	84.0	80.4	81.5	82.4	80.8
3641	Electric lamps	18.7	17.8	15.6	15.8	15.9

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry—Continued

(In thousands)

1972 SIC Code	Industry	June 1982	July 1982	May 1983	June 1983	July 1983
ELECTRIC AND ELECTRONIC EQUIPMENT—Continued						
3643	Current-carrying wiring devices	37.5	35.2	37.0	37.2	36.4
365	Radio and TV receiving equipment	48.3	46.5	46.8	46.6	44.3
3651	Radio and TV receiving sets	36.9	35.6	34.7	34.5	32.7
366	Communication equipment	216.3	216.1	212.3	214.0	216.3
3661	Telephone and telegraph apparatus	71.5	71.3	65.5	65.0	67.5
3662	Radio and TV communication equipment	144.8	144.8	146.8	149.0	148.8
367	Electronic components and accessories	284.8	281.7	287.6	293.5	296.3
3671-3	Electronic tubes	15.8	15.7	16.6	16.7	16.6
3674	Semiconductors and related devices	104.9	106.1	108.5	109.6	111.3
3679	Electronic components, nec	117.1	115.8	119.0	122.0	122.6
369	Misc. electrical equipment and supplies	54.1	52.8	54.5	55.0	54.2
3694	Engine electrical equipment	22.8	22.2	23.6	23.7	23.0
37	TRANSPORTATION EQUIPMENT	288.9	289.1	294.6	292.7	300.0
371	Motor vehicles and equipment	103.0	103.1	107.5	110.6	111.8
3711	Motor vehicles and car bodies	35.6	36.8	41.4	43.7	44.4
3713	Truck and bus bodies	3.3	3.4	3.0	3.1	3.2
3714	Motor vehicle parts and accessories	60.6	59.5	59.0	59.9	59.8
372	Aircraft and parts	115.5	115.5	111.9	112.2	112.3
3721	Aircraft	63.9	63.7	61.7	62.1	62.2
3724	Aircraft engines and engine parts	25.2	25.0	24.7	24.4	24.2
3728	Aircraft equipment, nec	26.4	26.8	25.5	25.7	25.9
373	Ship and boat building and repairing	24.1	24.1	24.2	24.3	24.4
3731	Ship building and repairing	17.8	18.0	16.9	17.0	17.0
374	Railroad equipment	4.0	3.9	3.2	3.2	3.3
376	Guided missiles, space vehicles, parts	30.4	30.7	33.3	33.7	34.2
3761	Guided missiles and space vehicles	25.0	25.2	27.2	27.6	28.0
379	Miscellaneous transportation equipment	7.4	7.2	9.1	9.5	9.1
38	INSTRUMENTS AND RELATED PRODUCTS	307.9	302.6	289.7	292.5	290.0
381	Engineering and scientific instruments	26.1	25.9	24.3	24.4	24.6
382	Measuring and controlling devices	105.7	103.7	99.3	99.8	99.3
3822	Environmental controls	21.2	20.7	21.7	21.7	21.5
3823	Process control instruments	20.5	19.8	17.6	17.6	17.4
3825	Instruments to measure electricity	47.3	46.9	44.4	44.6	44.9
383	Optical instruments and lenses	12.1	12.0	10.9	10.9	11.2
384	Medical instruments and supplies	87.2	85.3	85.7	87.7	87.2
3841	Surgical and medical instruments	42.9	42.4	42.4	42.7	44.1
3842	Surgical appliances and supplies	36.7	35.4	36.6	37.4	36.6
385	Ophthalmic goods	23.8	23.1	22.4	22.6	22.0
386	Photographic equipment and supplies	42.2	42.3	36.8	36.6	36.2
387	Watches, clocks, and watchcases	10.8	10.3	10.3	10.5	9.5
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	176.8	172.6	173.5	176.4	172.1
391	Jewelry, silverware, and plated ware	24.5	23.3	25.3	25.5	23.4
393	Musical instruments	8.5	8.5	8.4	8.6	8.9
394	Toys and sporting goods	58.7	58.9	56.7	58.0	58.7
3942, 4	Dolls, games, toys, and children's vehicles	32.9	33.2	32.2	33.5	34.2
3949	Sporting and athletic goods, nec	25.8	25.7	24.5	24.5	24.5
395	Pens, pencils, office and art supplies	16.9	16.5	16.1	16.5	16.1
396	Costume jewelry and notions	22.3	20.4	21.8	21.9	19.6
399	Miscellaneous manufactures	45.9	45.0	45.2	45.9	45.4
NONDURABLE GOODS						
20	FOOD AND KINDRED PRODUCTS	480.1	507.8	479.2	498.4	517.7
201	Meat products	116.4	115.3	113.6	114.3	117.0
2011	Meat packing plants	26.8	26.3	26.2	25.0	26.9
2013	Sausages and other prepared meats	21.9	21.8	21.0	21.5	21.9
2016	Poultry dressing plants	59.7	59.5	58.7	59.8	60.3
202	Dairy products	37.2	37.2	35.4	36.7	36.7
2026	Fluid milk	16.4	16.2	15.2	15.5	15.6
203	Preserved fruits and vegetables	89.1	115.0	87.2	95.9	110.3
2032	Canned specialties	7.8	8.0	7.8	8.0	8.3
2033	Canned fruits and vegetables	25.7	46.1	23.7	26.0	39.2
2037	Frozen fruits and vegetables	21.0	22.6	21.3	24.2	23.5
204	Grain mill products	28.2	27.5	28.4	29.2	29.1
205	Bakery products	58.9	59.4	59.2	60.3	60.3
2051	Bread, cake, and related products	39.3	39.4	38.8	39.4	39.4
2052	Cookies and crackers	19.6	20.0	20.4	20.9	20.9
206	Sugar and confectionery products	36.5	35.9	41.6	43.0	42.3
207	Fats and oils	5.4	5.2	5.0	5.0	5.0
208	Beverages	43.8	43.3	41.7	43.0	43.9
2082	Malt beverages	8.9	8.7	8.0	8.6	9.4
2088	Bottled and canned soft drinks	19.1	19.2	18.8	19.1	19.2
209	Misc. foods and kindred products	64.6	69.0	67.1	71.0	73.1
21	TOBACCO MANUFACTURES	22.0	21.5	20.3	20.6	20.0
211	Cigarettes	14.9	15.1	13.1	13.6	13.4

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	June 1982	July 1982	May 1983	June 1983	July 1983
22	TEXTILE MILL PRODUCTS	356.4	347.3	350.8	356.4	348.3
221	Weaving mills, cotton	55.0	53.9	53.1	53.4	52.5
222	Weaving mills, synthetics	35.6	37.0	36.9	37.8	36.9
223	Weaving and finishing mills, wool	6.6	6.2	6.7	6.8	6.5
224	Narrow fabric mills	13.5	11.9	12.6	12.8	11.9
225	Knitting mills	133.7	130.4	131.0	133.6	131.8
2251	Women's hosiery, except socks	28.8	24.4	25.6	26.4	26.1
2252	Hosiery, nec	22.5	22.5	22.7	23.2	23.1
2253	Knit outerwear mills	47.5	46.0	43.4	44.0	42.4
2254	Knit underwear mills	21.4	20.7	22.4	22.7	22.7
2257	Circular knit fabric mills	10.2	9.8	10.0	10.0	10.1
226	Textile finishing, except wool	20.4	19.7	19.5	19.8	19.2
2261	Finishing plants, cotton	9.6	9.3	8.8	9.0	8.8
2262	Finishing plants, synthetic	5.2	5.0	4.9	5.0	4.9
227	Floor covering mills	20.5	19.6	20.5	20.7	20.3
228	Yarn and thread mills	54.1	52.1	54.1	55.0	53.2
2281	Yarn mills, except wool	34.5	33.6	35.6	36.1	34.8
2282	Throwing and winding mills	9.9	9.2	9.7	9.9	9.8
229	Miscellaneous textile goods	17.0	16.5	16.4	16.5	16.0
23	APPAREL AND OTHER TEXTILE PRODUCTS	955.8	879.3	938.3	953.5	915.3
231	Men's and boys' suits and coats	58.9	54.6	53.5	54.0	52.4
232	Men's and boys' furnishings	278.2	263.0	276.0	280.0	268.1
2321	Men's and boys' shirts and nightwear	63.3	79.2	79.7	81.1	79.6
2327	Men's and boys' separate trousers	55.5	53.1	55.4	55.8	51.1
2328	Men's and boys' work clothing	77.3	72.8	80.0	81.6	77.7
233	Women's and misses' outerwear	338.0	289.5	325.7	330.5	315.5
2331	Women's and misses' blouses and waists	56.3	46.4	55.3	56.7	54.5
2335	Women's and misses' dresses	112.4	98.1	107.2	108.6	102.7
2337	Women's and misses' suits and coats	49.6	44.7	46.8	50.0	46.6
2339	Women's and misses' outerwear, nec	115.7	100.3	116.4	115.2	111.7
234	Women's and children's undergarments	71.8	69.3	71.0	71.6	69.5
2341	Women's and children's underwear	59.6	57.4	59.1	59.8	58.1
2342	Brassieres and allied garments	12.2	11.9	11.9	11.8	11.4
236	Children's outerwear	55.3	54.0	52.5	54.0	53.6
2361	Children's dresses and blouses	24.0	23.2	23.0	23.5	22.8
238	Misc. apparel and accessories	38.9	35.2	35.5	36.5	34.1
239	Misc. fabricated textile products	104.4	99.9	110.0	112.2	108.2
2391	Curtains and draperies	17.8	17.0	18.2	18.7	18.2
2392	House furnishings, nec	30.2	29.1	32.4	33.1	32.5
2398	Automotive and apparel trimmings	15.8	15.0	17.5	18.3	17.2
26	PAPER AND ALLIED PRODUCTS	153.7	151.8	151.8	153.6	152.9
261, 26	Paper and pulp mills	27.9	27.7	26.5	27.1	27.4
262	Paper mills, except building paper	25.2	25.1	23.9	24.4	24.7
263	Paperboard mills	5.6	5.4	5.3	5.5	5.5
264	Misc. converted paper products	75.7	74.8	76.2	76.9	76.0
265	Paperboard containers and boxes	44.5	43.9	43.8	44.1	43.9
27	PRINTING AND PUBLISHING	514.2	510.5	519.6	522.2	521.4
271	Newspapers	163.3	163.1	164.9	166.6	166.8
272	Periodicals	57.5	57.8	58.2	58.5	59.5
273	Books	53.9	53.3	52.5	51.5	50.9
274	Miscellaneous publishing	28.1	27.7	29.6	29.6	29.7
275	Commercial printing	135.7	132.9	138.5	139.1	137.7
2751	Commercial printing, letterpress	51.5	50.5	51.5	51.7	51.6
2752	Commercial printing, lithographic	78.0	76.5	80.7	81.1	80.0
276	Manifold business forms	15.4	15.3	15.7	15.7	15.7
278	Blankbooks and bookbinding	32.8	32.7	32.6	33.0	33.0
279	Printing trade services	13.0	13.1	14.0	14.1	14.3
28	CHEMICALS AND ALLIED PRODUCTS	284.5	282.2	275.9	279.8	280.3
281	Industrial inorganic chemicals	25.4	25.5	25.1	25.4	25.6
2819	Industrial inorganic chemicals, nec	17.0	17.1	17.0	17.2	17.4
282	Plastics materials and synthetics	41.7	41.0	37.4	37.7	37.8
2821	Plastics materials and resins	11.2	11.2	11.1	11.2	11.3
2824	Organic fibers, noncellulosic	22.0	21.5	18.9	18.9	18.7
283	Drugs	86.4	86.0	86.5	87.3	87.5
2834	Pharmaceutical preparations	71.9	71.3	71.6	72.4	72.5
284	Soap, cleaners, and toilet goods	60.1	60.3	60.7	62.9	63.7
2841	Soap and other detergents	10.0	9.8	10.0	10.4	10.5
2844	Toilet preparations	37.9	34.3	38.1	39.6	40.3
285	Paints and allied products	12.0	11.8	11.8	11.8	11.9
286	Industrial organic chemicals	27.6	27.2	25.2	25.4	25.5
2861,9	Gum, wood, and industrial organic chemicals, nec	23.3	23.0	21.1	21.7	21.2
287	Agricultural chemicals	10.3	10.0	9.1	9.2	8.7
289	Miscellaneous chemical products	21.0	20.4	20.1	20.1	19.6

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry—Continued

(In thousands)

1972 SIC Code	Industry	June 1992	July 1992	May 1983	June 1983	July 1983
29	PETROLEUM AND COAL PRODUCTS	31.2	31.5	30.2	30.6	30.7
291	Petroleum refining	26.3	26.4	25.4	25.8	25.7
30	RUBBER AND MISC. PLASTICS PRODUCTS	246.8	239.9	251.8	256.7	252.8
301	Tires and inner tubes	9.6	9.2	8.4	8.5	8.6
302	Rubber and plastics footwear	11.9	11.7	11.2	11.3	10.8
303,4	Reclaimed rubber, and rubber and plastics hose and belting	5.6	5.4	5.4	5.5	5.4
306	Fabricated rubber products, nec	34.6	33.6	34.3	35.0	34.4
307	Miscellaneous plastics products	185.1	180.0	192.5	196.4	193.6
31	LEATHER AND LEATHER PRODUCTS	136.4	125.4	128.6	130.7	120.9
311	Leather tanning and finishing	2.8	2.7	2.8	2.8	2.4
314	Footwear, except rubber	93.3	85.2	88.8	89.3	81.1
3143	Men's footwear, except athletic	34.8	31.4	31.9	32.6	30.1
3144	Women's footwear, except athletic	37.8	35.3	37.2	36.9	33.8
316	Luggage	8.1	7.6	7.4	7.7	7.2
317	Handbags and personal leather goods	19.5	17.7	17.1	18.0	18.0
-	TRANSPORTATION AND PUBLIC UTILITIES	1,347	1,325	1,332	1,341	1,314
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	72.4	46.7	79.6	73.9	46.7
411	Local and suburban transportation	16.8	15.8	17.6	17.5	16.5
412	Taxicabs	6.2	6.0	5.8	5.5	5.4
413	Intercity highway transportation	5.0	5.1	4.3	4.2	4.4
415	School buses	40.7	16.5	47.6	42.3	16.4
42	TRUCKING AND WAREHOUSING	154.1	154.8	151.7	155.5	156.6
421,3	Trucking and trucking terminals	137.7	138.6	135.1	138.5	139.6
422	Public warehousing	16.4	16.2	16.6	17.0	17.0
44	WATER TRANSPORTATION	27.3	27.3	25.3	26.3	26.5
45	TRANSPORTATION BY AIR	145.3	147.7	148.8	152.8	152.0
451,2	Air transportation	135.6	138.1	138.8	142.6	141.9
46	PIPE LINES, EXCEPT NATURAL GAS	3.3	3.2	2.8	2.8	2.8
47	TRANSPORTATION SERVICES	111.0	111.6	119.1	120.6	121.7
48	COMMUNICATION	636.1	635.0	608.6	610.9	611.3
481	Telephone communication	525.9	524.7	486.0	486.6	485.7
483	Radio and television broadcasting	74.5	73.9	78.1	79.1	78.6
49	ELECTRIC, GAS, AND SANITARY SERVICES	173.5	175.0	175.3	177.3	176.1
491	Electric services	83.2	83.9	86.7	87.2	88.5
492	Gas production and distribution	40.4	40.5	38.7	39.3	39.3
493	Combination utility services	37.9	38.5	37.5	38.2	35.3
495	Sanitary services	6.4	6.5	6.7	6.7	7.1
-	WHOLESALE AND RETAIL TRADE	9,075	9,026	9,067	9,184	9,162
50,51	WHOLESALE TRADE	1,401	1,390	1,380	1,397	1,394
50	WHOLESALE TRADE-DURABLE GOODS	769	761	755	763	764
501	Motor vehicles and automotive equipment	89.5	88.0	86.9	87.8	88.4
502	Furniture and home furnishings	43.8	43.8	46.2	47.0	45.0
503	Lumber and construction materials	36.4	36.2	37.3	37.9	38.2
504	Sporting goods, toys, and hobby goods	24.7	24.3	25.4	26.1	26.0
505	Metals and minerals, except petroleum	27.7	27.4	24.6	24.7	24.7
506	Electrical goods	127.3	126.0	126.7	127.7	128.9
507	Hardware, plumbing, and heating equipment	64.3	63.8	63.0	63.8	63.4
508	Machinery, equipment, and supplies	312.1	308.9	301.7	304.4	306.5
509	Miscellaneous durable goods	44.3	42.5	42.9	43.1	42.5
51	WHOLESALE TRADE-NONDURABLE GOODS	632	629	625	634	630
511	Paper and paper products	50.6	51.1	51.9	52.8	53.0
512	Drugs, proprietaries, and sundries	67.8	68.4	68.0	69.0	68.3
513	Apparel, piece goods, and notions	85.1	85.2	82.5	83.5	82.6
514	Groceries and related products	163.9	161.2	153.8	161.6	157.5
515	Chemicals and allied products	37.0	36.9	38.5	38.8	39.1
517	Petroleum and petroleum products	53.4	53.5	50.9	52.0	52.3
518	Beer, wine, and distilled beverages	22.1	22.2	21.9	22.0	22.3
519	Miscellaneous nondurable goods	119.9	119.4	120.9	120.3	119.5

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry—Continued

(In thousands)

1972 SIC Code	Industry	June 1982	July 1982	May 1983	June 1983	July 1983
52-59	RETAIL TRADE	7,674	7,636	7,687	7,787	7,768
52	BUILDING MATERIALS AND GARDEN SUPPLIES	159.1	154.6	164.7	165.3	164.0
521	Lumber and other building materials	62.5	61.6	65.7	67.4	67.6
525	Hardware stores	55.9	55.1	56.8	57.6	57.7
53	GENERAL MERCHANDISE STORES	1,449.6	1,454.2	1,444.9	1,460.3	1,475.5
531	Department stores	1,199.6	1,205.6	1,216.3	1,228.8	1,243.4
533	Variety stores	172.8	172.0	157.2	158.0	157.6
539	Misc. general merchandise stores	77.2	76.6	71.4	73.5	74.5
54	FOOD STORES	1,085.0	1,078.9	1,100.8	1,114.9	1,112.1
541	Grocery stores	908.1	904.4	921.7	933.2	931.9
542	Meat markets and freezer provisioners	17.3	17.7	18.3	18.6	18.5
546	Retail bakeries	84.2	80.1	87.2	87.8	86.5
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	315.2	317.4	314.4	317.8	320.6
551,2	New and used car dealers	109.2	109.3	109.9	110.9	111.5
553	Auto and home supply stores	49.0	48.0	48.5	48.6	49.5
554	Gasoline service stations	141.9	144.5	140.3	142.1	143.2
56	APPAREL AND ACCESSORY STORES	651.3	646.8	647.2	652.8	651.2
561	Men's and boys' clothing and furnishings	52.8	52.7	52.2	52.6	51.7
562	Women's ready-to-wear stores	303.4	299.9	308.0	308.7	307.6
565	Family clothing stores	130.5	129.1	126.6	127.5	129.0
566	Shoe stores	85.2	85.7	84.1	85.3	85.1
57	FURNITURE AND HOME FURNISHING STORES	197.6	196.9	206.4	208.1	208.7
571	Furniture and home furnishings stores	127.7	127.0	130.1	130.5	130.8
572	Household appliance stores	21.4	22.1	25.0	25.4	25.9
573	Radio, television, and music stores	48.5	47.8	51.3	52.2	52.0
58	EATING AND DRINKING PLACES	2,773.5	2,752.3	2,749.4	2,811.5	2,784.4
59	MISCELLANEOUS RETAIL	1,042.7	1,034.4	1,058.9	1,055.9	1,051.8
591	Drug stores and proprietary stores	309.7	308.8	308.7	310.2	309.1
592	Liquor stores	34.4	35.3	33.6	35.0	34.9
594	Miscellaneous shopping goods stores	369.9	367.5	382.7	384.0	384.3
596	Nonstore retailers	150.5	149.4	149.4	149.1	149.3
598	Fuel and ice dealers	23.7	23.3	23.3	23.3	22.6
599	Retail stores, nec	133.5	128.6	138.2	130.9	128.4
-	FINANCE, INSURANCE, AND REAL ESTATE	3,222	3,226	3,252	3,286	3,303
60	BANKING	1,181.1	1,184.3	1,176.8	1,186.5	1,188.3
602	Commercial and stock savings banks	1,084.9	1,087.5	1,077.5	1,085.8	1,087.4
61	CREDIT AGENCIES OTHER THAN BANKS	404.3	404.3	424.3	430.4	433.2
612	Savings and loan associations	201.8	202.2	221.7	224.9	226.2
614	Personal credit institutions	129.5	129.1	123.2	124.4	125.1
62	SECURITY, COMMODITY BROKERS, AND SERVICES	120.3	120.2	132.3	135.1	138.1
621	Security brokers and dealers	97.9	97.6	107.3	109.4	112.1
63	INSURANCE CARRIERS	754.0	752.8	742.3	744.1	746.1
631	Life insurance	305.1	304.6	298.2	297.9	297.9
632	Medical service and health insurance	103.0	102.3	103.1	103.6	105.0
633	Fire, marine, and casualty insurance	298.8	298.5	290.5	290.3	289.7
64	INSURANCE AGENTS, BROKERS, AND SERVICE	305.1	303.3	303.1	304.9	306.0
65	REAL ESTATE	375.1	378.7	391.4	402.4	408.1
651	Real estate operators and lessors	159.7	162.2	172.5	177.7	179.6
653	Real estate agents and managers	168.0	169.1	170.9	175.8	177.9
655	Subdividers and developers	34.0	33.8	33.3	33.5	34.5
66	COMBINED REAL ESTATE, INSURANCE, ETC.	10.9	10.9	10.4	10.4	10.6
67	HOLDING AND OTHER INVESTMENT OFFICES	71.2	71.7	71.6	71.8	72.6
-	SERVICES	11,346	11,331	11,689	11,743	11,759
70	HOTELS AND OTHER LODGING PLACES	646.4	668.1	610.9	638.5	667.3
701	Hotels, motels, and tourist courts	621.6	629.6	591.8	613.6	628.4

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	June 1982	July 1982	May 1983	June 1983	July 1983
72	PERSONAL SERVICES	641.0	631.9	638.2	636.6	627.5
721	Laundry, cleaning, and garment services	221.4	219.1	217.6	217.7	215.7
723	Beauty shops	255.0	254.9	264.8	265.9	264.8
726	Funeral service and crematories	20.1	20.3	21.8	21.8	22.1
73	BUSINESS SERVICES	1,439.1	1,448.6	1,547.9	1,579.8	1,619.0
731	Advertising	79.9	79.7	83.6	84.7	83.9
732	Credit reporting and collection	53.6	53.7	56.3	57.6	57.3
733	Mailing, reproduction, stenographic	65.7	66.1	68.2	69.7	67.7
734	Services to buildings	201.7	201.2	203.4	206.7	208.6
736	Personnel supply services	352.1	358.0	424.2	436.7	470.3
737	Computer and data processing services	172.7	172.0	184.4	186.2	188.4
75	AUTO REPAIR, SERVICES, AND GARAGES	99.8	101.1	103.2	103.9	103.3
753	Automotive repair shops	40.3	50.6	51.2	51.6	51.0
76	MISCELLANEOUS REPAIR SERVICES	56.0	56.6	53.2	53.6	53.7
78	MOTION PICTURES	86.1	89.2	83.4	88.9	89.0
781	Motion picture production and services	27.7	27.6	27.3	28.7	28.0
783	Motion picture theaters	52.4	55.6	50.3	54.7	55.2
79	AMUSEMENT AND RECREATION SERVICES	358.1	376.0	356.3	389.0	405.9
80	HEALTH SERVICES	4,740.9	4,750.6	4,833.3	4,881.9	4,891.5
801	Offices of physicians	648.1	645.1	672.3	682.8	686.8
802	Offices of dentists	328.2	331.3	346.1	350.8	351.6
805	Nursing and personal care facilities	946.8	949.0	966.1	978.6	977.6
806	Hospitals	2,447.8	2,453.6	2,437.8	2,452.5	2,453.2
81	LEGAL SERVICES	400.6	403.0	416.9	427.1	433.6
82	EDUCATIONAL SERVICES	593.6	540.5	673.9	586.8	524.0
821	Elementary and secondary schools	203.7	176.6	224.2	203.7	167.4
822	Colleges and universities	323.1	299.3	377.9	313.1	288.5
83	SOCIAL SERVICES	854.0	844.0	928.7	916.5	905.0
89	MISCELLANEOUS SERVICES	358.0	357.4	362.1	365.6	369.3
891	Engineering and architectural services	131.1	131.6	127.6	130.8	131.8
893	Accounting, auditing, and bookkeeping	169.5	168.9	178.4	177.1	178.8
-	GOVERNMENT	7,663	6,796	7,748	7,553	6,941
-	FEDERAL GOVERNMENT	900	904	930	954	969
-	STATE AND LOCAL GOVERNMENT	6,763	5,892	6,818	6,599	5,972
-	State government	1,576.6	1,507.6	1,583.7	1,504.4	1,461.4
-	Hospitals	308.0	308.1	298.7	297.7	297.4
-	State education	603.1	534.7	684.9	599.9	546.2
-	General administration including executive, legislative, and judicial functions	449.4	449.0	392.1	395.3	404.4
-	Local government	5,186.6	4,384.5	5,233.8	5,095.0	4,510.7
-	Transportation and public utilities	88.6	88.7	89.9	91.5	94.4
-	Hospitals	517.2	518.7	516.3	520.7	521.2
-	Local education	3,389.7	2,509.6	3,491.8	3,288.5	2,634.4
-	General administration including executive, legislative, and judicial functions	1,000.3	1,063.2	951.5	996.6	1,054.5

ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

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

(In thousands)

Industry division and group	1982				1983								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. P	Sept. P
TOTAL	89,235	88,938	88,785	88,665	88,885	88,746	88,814	89,090	89,421	89,844	90,152	89,735	90,468
GOODS-PRODUCING	23,530	23,287	23,131	23,061	23,186	23,049	23,030	23,159	23,347	23,518	23,724	23,832	23,927
MINING	1,100	1,082	1,066	1,053	1,037	1,014	1,006	997	994	1,003	1,017	1,025	1,023
CONSTRUCTION	3,875	3,847	3,843	3,815	3,905	3,790	3,757	3,786	3,860	3,931	3,974	4,022	4,050
MANUFACTURING	18,555	18,358	18,222	18,193	18,244	18,245	18,267	18,376	18,493	18,582	18,733	18,785	18,854
DURABLE GOODS	10,862	10,685	10,577	10,559	10,594	10,608	10,617	10,689	10,788	10,844	10,961	11,018	11,073
Lumber and wood products	603	605	608	614	625	631	638	651	662	679	688	700	704
Furniture and fixtures	428	426	427	429	430	427	423	440	446	450	459	458	457
Stone, clay, and glass products	570	565	559	554	557	557	559	565	570	573	577	582	585
Primary metal industries	869	840	823	816	817	810	816	820	828	830	838	839	849
Fabricated metal products	1,402	1,378	1,362	1,359	1,364	1,364	1,362	1,369	1,374	1,384	1,391	1,413	1,414
Machinery, except electrical	2,184	2,122	2,088	2,066	2,048	2,042	2,030	2,031	2,064	2,066	2,094	2,104	2,114
Electric and electronic equipment	1,992	1,976	1,975	1,957	1,974	1,981	1,988	1,999	2,010	2,030	2,047	2,042	2,076
Transportation equipment	1,724	1,691	1,661	1,696	1,710	1,729	1,723	1,743	1,757	1,762	1,794	1,804	1,797
Instruments and related products	710	705	700	695	695	693	691	690	689	687	687	693	694
Miscellaneous manufacturing ind.	380	377	374	373	374	374	377	381	383	383	385	383	383
NONDURABLE GOODS	7,693	7,673	7,645	7,634	7,650	7,637	7,650	7,687	7,705	7,738	7,772	7,767	7,781
Food and kindred products	1,633	1,636	1,632	1,626	1,626	1,620	1,619	1,633	1,632	1,643	1,638	1,624	1,630
Tobacco manufactures	66	66	63	69	69	67	67	66	66	65	65	62	64
Textile mill products	734	733	727	727	726	726	730	733	736	745	746	753	753
Apparel and other textile products	1,149	1,148	1,141	1,140	1,150	1,148	1,143	1,149	1,153	1,159	1,180	1,175	1,175
Paper and allied products	659	653	654	653	653	652	652	654	656	657	658	660	660
Printing and publishing	1,266	1,265	1,263	1,263	1,266	1,264	1,269	1,274	1,276	1,281	1,284	1,287	1,289
Chemicals and allied products	1,070	1,066	1,064	1,059	1,057	1,056	1,056	1,058	1,058	1,056	1,059	1,057	1,061
Petroleum and coal products	202	201	200	199	200	199	199	199	198	198	197	195	194
Rubber and misc. plastic products	696	689	685	685	688	691	699	707	716	721	732	738	739
Leather and leather products	218	216	216	213	215	214	216	214	214	213	213	216	216
SERVICE-PRODUCING	65,705	65,651	65,654	65,604	65,699	65,697	65,784	65,931	66,074	66,326	66,428	65,903	66,541
TRANSPORTATION AND PUBLIC UTILITIES	5,054	5,033	5,019	5,008	4,979	4,966	4,963	4,988	4,993	4,992	4,984	4,343	5,015
WHOLESALE AND RETAIL TRADE	20,380	20,344	20,320	20,256	20,355	20,343	20,350	20,329	20,356	20,494	20,529	20,591	20,494
WHOLESALE TRADE	5,252	5,237	5,212	5,192	5,185	5,181	5,176	5,180	5,197	5,222	5,229	5,246	5,254
RETAIL TRADE	15,128	15,107	15,108	15,064	15,170	15,162	15,174	15,149	15,159	15,272	15,300	15,345	15,240
FINANCE, INSURANCE, AND REAL ESTATE	5,351	5,350	5,356	5,367	5,374	5,384	5,391	5,423	5,435	5,451	5,465	5,488	5,485
SERVICES	19,136	19,144	19,187	19,215	19,238	19,262	19,356	19,478	19,546	19,668	19,770	19,829	19,889
GOVERNMENT	15,784	15,780	15,772	15,758	15,753	15,742	15,724	15,713	15,744	15,721	15,680	15,652	15,658
FEDERAL	2,735	2,742	2,746	2,747	2,748	2,742	2,742	2,738	2,756	2,742	2,738	2,733	2,741
STATE AND LOCAL	13,049	13,038	13,026	13,011	13,005	13,000	12,982	12,975	12,988	12,979	12,942	12,919	12,917

p-preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

(In thousands)

Industry division and group	1982						1983						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
TOTAL	38,896	38,920	38,952	38,907	38,884	38,847	38,955	38,977	39,048	39,176	39,306	39,458	39,736
GOODS-PRODUCING	6,497	6,477	6,438	6,390	6,353	6,336	6,376	6,376	6,390	6,433	6,466	6,505	6,561
MINING	135	134	134	132	130	129	129	128	127	126	123	122	123
CONSTRUCTION	377	376	376	375	375	377	379	379	380	380	382	384	389
MANUFACTURING	5,985	5,967	5,928	5,883	5,848	5,830	5,868	5,869	5,883	5,927	5,961	5,999	6,049
DURABLE GOODS	2,841	2,815	2,787	2,748	2,729	2,717	2,732	2,738	2,748	2,769	2,792	2,808	2,842
Lumber and wood products	90	90	90	90	91	92	93	94	95	96	97	100	101
Furnitures and fixtures	129	130	129	128	129	128	130	129	131	133	134	135	138
Stone, clay, and glass products	115	113	113	111	109	108	108	107	108	110	111	110	111
Primary metal industries	104	102	100	97	94	94	95	96	96	96	96	97	97
Fabricated metal products	301	300	297	292	290	291	293	295	296	298	301	303	304
Machinery, except electrical	479	473	468	458	453	450	447	445	443	445	451	452	459
Electric and electronic equipment	851	847	836	827	826	814	822	826	831	837	844	851	863
Transportation equipment	290	285	282	279	275	280	283	286	287	291	295	296	301
Instruments and related products	304	301	299	296	294	292	292	291	291	290	289	289	291
Miscellaneous manufacturing ind.	178	174	173	170	168	168	169	169	170	173	174	175	177
NONDURABLE GOODS	3,144	3,152	3,141	3,135	3,119	3,113	3,136	3,131	3,135	3,158	3,169	3,191	3,207
Food and kindred products	498	497	496	499	497	495	499	498	497	505	505	513	507
Tobacco manufactures	24	24	23	23	22	24	24	23	23	23	23	23	22
Textile mill products	354	351	350	350	347	346	346	345	348	349	350	355	355
Apparel and other textile products	917	928	926	926	921	917	932	928	924	929	933	937	954
Paper and allied products	152	151	151	150	150	150	150	149	150	151	151	152	153
Printing and publishing	513	514	514	512	511	512	513	513	515	518	520	523	524
Chemicals and allied products	280	280	279	277	276	275	274	275	275	276	276	277	278
Petroleum and coal products	31	31	31	31	31	31	31	31	31	31	30	30	30
Rubber and misc. plastics products	244	245	241	238	235	236	238	241	244	249	253	254	257
Leather and leather products	131	131	130	129	129	127	129	128	128	127	128	127	127
SERVICE-PRODUCING	32,399	32,443	32,514	32,517	32,531	32,511	32,579	32,601	32,658	32,743	32,840	32,953	33,175
TRANSPORTATION AND PUBLIC UTILITIES	1,337	1,334	1,335	1,332	1,330	1,331	1,328	1,328	1,328	1,332	1,329	1,333	1,326
WHOLESALE AND RETAIL TRADE	9,074	9,061	9,049	9,045	9,033	8,997	9,063	9,068	9,088	9,094	9,099	9,167	9,208
WHOLESALE TRADE	1,397	1,393	1,389	1,387	1,380	1,378	1,374	1,375	1,372	1,377	1,381	1,396	1,401
RETAIL TRADE	7,677	7,668	7,660	7,658	7,653	7,619	7,689	7,693	7,716	7,717	7,718	7,771	7,807
FINANCE, INSURANCE, AND REAL ESTATE	3,200	3,201	3,206	3,203	3,207	3,212	3,218	3,220	3,227	3,251	3,255	3,263	3,277
SERVICES	11,336	11,351	11,394	11,410	11,431	11,456	11,474	11,500	11,536	11,603	11,654	11,708	11,759
GOVERNMENT	7,452	7,496	7,530	7,527	7,530	7,515	7,496	7,485	7,479	7,463	7,503	7,482	7,605
FEDERAL	884	886	889	887	894	894	892	891	902	910	928	935	947
STATE AND LOCAL	6,568	6,610	6,641	6,640	6,636	6,621	6,604	6,594	6,577	6,553	6,575	6,547	6,658

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT**

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

[In thousands]

Industry division and group	1982				1983								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^P	Sept. P
TOTAL PRIVATE	58,247	58,988	58,850	58,764	58,939	58,801	58,889	59,150	59,462	59,871	60,182	59,766	60,435
GOODS-PRODUCING	16,307	16,095	15,961	15,908	16,019	15,900	15,881	16,016	16,183	16,349	16,538	16,631	16,716
MINING	792	776	763	750	736	715	707	701	699	710	721	727	725
CONSTRUCTION	2,973	2,951	2,946	2,917	2,992	2,982	2,851	2,880	2,953	3,024	3,061	3,107	3,125
MANUFACTURING	12,542	12,368	12,252	12,241	12,291	12,303	12,323	12,435	12,531	12,615	12,756	12,797	12,866
DURABLE GOODS	7,150	6,992	6,900	6,892	6,931	6,949	6,961	7,035	7,115	7,169	7,278	7,325	7,380
Lumber and wood products	493	495	500	506	515	522	529	540	550	566	575	585	589
Furniture and fixtures	338	336	337	338	339	337	342	349	354	357	365	365	364
Stone, clay, and glass products	432	427	422	418	421	421	423	429	434	436	440	446	449
Primary metal industries	640	615	601	596	598	595	601	608	615	616	625	627	635
Fabricated metal products	1,008	988	975	973	981	983	982	987	996	1,003	1,009	1,027	1,029
Machinery, except electrical	1,297	1,243	1,215	1,199	1,186	1,179	1,171	1,175	1,201	1,204	1,227	1,236	1,248
Electric and electronic equipment	1,193	1,180	1,178	1,161	1,182	1,187	1,193	1,204	1,213	1,226	1,242	1,237	1,267
Transportation equipment	1,072	1,039	1,010	1,044	1,055	1,073	1,066	1,085	1,093	1,103	1,134	1,138	1,129
Instruments and related products	404	398	394	390	387	385	384	384	384	382	382	387	392
Miscellaneous manufacturing ind.	273	271	268	267	267	267	270	274	275	276	279	277	278
NONDURABLE GOODS	5,392	5,376	5,352	5,349	5,360	5,354	5,362	5,400	5,416	5,446	5,478	5,472	5,486
Food and kindred products	1,123	1,127	1,123	1,119	1,119	1,115	1,114	1,126	1,126	1,136	1,133	1,118	1,122
Tobacco manufactures	51	51	49	54	54	52	52	51	51	50	50	47	48
Textile mill products	628	629	623	623	622	622	627	631	634	643	643	651	651
Apparel and other textile products	971	968	962	963	973	970	965	972	976	980	999	996	995
Paper and allied products	492	486	487	486	486	486	486	488	491	491	494	493	497
Printing and publishing	696	696	694	695	694	694	694	699	701	705	705	705	707
Chemicals and allied products	595	593	592	589	588	587	585	587	585	586	589	588	592
Petroleum and coal products	122	120	120	119	120	121	122	122	120	119	119	118	119
Rubber and misc. plastics products	532	526	523	524	525	529	538	546	554	558	568	575	574
Leather and leather products	182	180	180	177	179	178	179	178	178	178	178	181	181
SERVICE-PRODUCING	42,940	42,893	42,889	42,856	42,920	42,901	43,008	43,134	43,279	43,522	43,644	43,135	43,719
TRANSPORTATION AND PUBLIC UTILITIES	4,171	4,149	4,135	4,125	4,103	4,087	4,086	4,106	4,111	4,110	4,103	3,865	4,129
WHOLESALE AND RETAIL TRADE	17,800	17,764	17,738	17,689	17,774	17,769	17,776	17,754	17,797	17,910	17,958	18,011	17,892
WHOLESALE TRADE	4,240	4,225	4,201	4,183	4,171	4,166	4,156	4,165	4,182	4,203	4,207	4,222	4,231
RETAIL TRADE	13,560	13,539	13,537	13,506	13,603	13,603	13,620	13,589	13,615	13,707	13,751	13,789	13,661
FINANCE, INSURANCE, AND REAL ESTATE	3,994	3,990	3,993	3,997	3,998	4,003	4,012	4,037	4,049	4,065	4,071	4,087	4,077
SERVICES	16,975	16,990	17,023	17,045	17,045	17,042	17,134	17,237	17,322	17,437	17,512	17,572	17,621

¹ For coverage of series, see footnote 1, table B-2.

p = preliminary.

ESTABLISHMENT DATA

B-7. Indexes of diffusion: Percent of Industries in which employment¹ increased

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1981.....	57.8	52.4	52.2	65.6	60.2	58.9	62.6	49.5	42.2	33.3	29.3	30.9
	1982.....	28.5	45.4	36.0	39.0	47.6	32.8	38.4	37.1	34.1	29.3	32.0	42.2
	1983.....	56.5	45.7	62.4	69.1	71.0	64.5	68.5	67.7 _p	58.9 _p			
Over 3-month span	1981.....	58.3	54.6	59.1	65.9	67.5	66.7	60.5	50.5	33.3	30.1	24.5	23.4
	1982.....	25.3	28.8	32.0	34.1	32.5	33.6	27.2	27.2	26.1	25.5	24.7	40.6
	1983.....	45.4	55.1	65.6	75.8	76.1	77.2	74.7 _p	76.9 _p				
Over 6-month span	1981.....	68.5	65.3	63.7	69.4	64.2	58.6	45.7	34.4	29.6	24.2	25.0	22.0
	1982.....	20.2	23.7	25.3	29.8	26.1	26.1	23.4	19.1	21.2	26.1	26.6	35.8
	1983.....	50.5	63.2	73.4	76.3	79.3 _p	80.9 _p						
Over 12-month span	1981.....	74.5	71.2	70.4	58.1	47.6	41.4	34.9	29.8	27.4	23.7	25.3	23.1
	1982.....	22.0	20.7	18.0	19.4	18.3	20.7	20.7	22.8	24.2	31.5	37.6	44.1
	1983.....	48.9	57.3 _p	61.8 _p									

¹ Number of employees, seasonally adjusted for 1, 3, and 6 month spans, on payrolls of 186 private nonagricultural industries.
p = preliminary.

NOTE: Figures are the percent of industries with employment rising. (Half of the unchanged components are counted as rising.) Data are centered within the spans.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

B-8. Employees on nonagricultural payrolls for States and selected areas by industry division

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P
1 ALABAMA	1,312.6	1,319.2	1,312.4	15.7	14.9	14.8	58.9	60.4	60.7	334.2	326.7	333.5
2 Birmingham	333.3	333.4	331.7	8.3	7.3	7.2	17.7	18.3	18.4	49.8	46.4	48.5
3 Huntsville	126.8	131.1	131.0	(1)	(1)	(1)	3.9	4.2	4.3	38.5	40.2	41.1
4 Mobile	146.6	148.3	145.6	(1)	(1)	(1)	9.2	9.8	10.0	27.7	26.2	26.4
5 Montgomery	103.3	103.6	103.0	(1)	(1)	(1)	5.4	6.1	6.3	15.0	14.6	14.7
6 Tuscaloosa	48.9	48.4	48.5	2.5	1.9	2.0	2.0	2.1	2.0	7.6	8.0	8.1
7 ALASKA	220.2	230.6	231.4	9.6	8.6	8.6	21.9	23.1	24.2	20.6	24.9	22.3
8 ARIZONA	1,002.5	1,018.1	1,009.8	16.9	14.7	14.5	63.4	74.8	75.4	152.7	153.4	152.6
9 Phoenix	637.8	651.4	644.7	.6	.6	.6	42.1	50.5	51.0	110.6	110.8	109.4
10 Tucson	183.2	188.1	187.0	4.2	3.3	3.1	12.2	15.0	15.2	25.6	26.3	26.4
11 ARKANSAS	715.2	721.9	722.5	5.9	5.9	5.8	31.7	32.6	33.0	195.3	204.3	205.2
12 Fayetteville—Springdale	63.9	65.1	65.6	(1)	(1)	(1)	2.5	2.4	2.4	18.4	18.5	18.5
13 Fort Smith	64.7	67.3	65.4	1.2	1.1	1.1	2.4	2.3	2.4	20.3	22.8	21.4
14 Little Rock—North Little Rock	176.6	178.5	177.7	(1)	(1)	(1)	8.8	9.1	9.1	26.4	26.1	26.3
15 Pine Bluff	28.5	28.3	28.4	(1)	(1)	(1)	1.3	1.1	1.2	5.6	5.9	5.9
16 CALIFORNIA	9,748.9	9,846.9	9,800.3	51.0	48.0	47.8	370.5	374.6	392.1	1,946.4	1,906.1	1,927.8
17 Anaheim—Santa Ana—Garden Grove	842.3	830.8	828.2	3.8	3.3	3.2	38.1	28.8	30.6	212.6	211.3	210.5
18 Bakersfield	136.6	137.6	136.8	14.7	14.6	14.6	6.8	6.3	6.4	9.7	9.7	9.7
19 Fresno	174.3	174.4	172.9	1.1	1.2	1.1	8.5	8.6	8.5	22.9	22.9	23.7
20 Los Angeles—Long Beach	3,496.9	3,553.6	3,530.4	14.6	14.2	14.1	104.2	88.5	97.3	850.8	849.8	845.9
21 Modesto	92.0	84.5	91.1	.1	.1	.1	4.0	4.1	4.1	26.4	18.8	26.0
22 Oxnard—Simi Valley—Ventura	160.4	159.6	158.4	3.2	3.0	3.0	5.4	4.8	5.4	26.1	25.8	25.6
23 Riverside—San Bernardino—Ontario	419.7	420.6	419.0	1.5	.9	.9	20.2	18.8	19.4	57.9	58.0	58.0
24 Sacramento	403.9	401.7	399.9	.8	.8	.8	16.5	16.6	17.1	29.3	26.9	28.8
25 Salinas—Seaside—Monterey	90.7	92.2	90.6	.4	.4	.4	2.9	3.1	3.1	9.6	9.7	9.5
26 San Diego	654.7	658.0	658.2	.5	.5	.5	27.6	26.0	27.1	108.3	105.6	106.4
27 San Francisco—Oakland	1,546.6	1,546.0	1,529.7	4.4	4.5	4.5	73.0	71.2	71.4	190.3	184.1	183.0
28 San Jose	696.5	687.1	687.6	.1	.1	.1	22.8	23.2	23.8	266.3	253.5	257.2
29 Santa Barbara—Santa Maria—Lompoc	123.8	124.5	123.9	1.5	1.3	1.3	4.8	4.2	4.4	18.3	19.6	19.5
30 Santa Rosa	94.5	93.3	94.0	.5	.6	.6	5.0	4.9	5.1	15.8	14.8	15.4
31 Stockton	122.0	115.6	118.1	.1	.1	.1	5.3	5.3	5.3	25.7	20.5	23.5
32 Vallejo—Fairfield—Napa	101.5	100.9	100.1	.5	.5	.5	4.5	4.7	4.7	11.9	11.2	11.5
33 COLORADO	1,306.4	1,332.9	1,327.5	43.9	39.9	40.1	83.2	88.3	90.9	182.2	181.1	181.8
34 Denver—Boulder	842.1	857.4	852.5	30.4	28.1	28.0	50.1	52.6	53.3	125.8	125.9	126.4
35 CONNECTICUT	1,407.4	1,419.8	1,407.0	(2)	(2)	(2)	53.6	54.0	54.1	403.4	396.0	395.2
36 Bridgeport	167.7	162.8	163.3	(2)	(2)	(2)	5.3	5.4	5.4	60.9	57.0	57.5
37 Hartford	389.6	396.4	391.9	(2)	(2)	(2)	12.4	12.2	12.3	84.7	86.8	84.8
38 New Britain	58.4	58.2	57.3	(2)	(2)	(2)	2.3	2.3	2.2	24.5	23.7	23.4
39 New Haven—West Haven	185.8	182.2	177.5	(2)	(2)	(2)	6.9	6.7	6.7	38.8	35.8	36.2
40 Stamford	113.9	115.9	115.1	(2)	(2)	(2)	5.5	5.5	5.4	30.9	32.0	31.7
41 Waterbury	85.6	84.4	83.3	(2)	(2)	(2)	3.2	3.2	3.1	29.2	27.9	27.5
42 DELAWARE	261.8	265.6	264.3	(1)	(1)	(1)	16.3	17.2	17.4	66.9	68.2	68.5
43 Wilmington	227.2	232.2	230.9	(1)	(1)	(1)	19.2	20.1	20.3	59.1	59.9	59.8
44 DISTRICT OF COLUMBIA	609.3	611.1	599.8	(1)	(1)	(1)	10.5	10.2	10.3	13.7	13.6	13.5
45 Washington SMSA	1,609.1	1,635.5	1,624.8	(1)	(1)	(1)	68.9	75.4	74.8	60.9	63.6	63.8
46 FLORIDA	3,679.4	3,810.7	3,783.2	9.2	9.3	9.4	250.9	254.2	256.8	448.7	465.0	471.2
47 Daytona Beach	81.8	83.9	83.6	-	-	-	4.4	4.3	4.2	9.0	10.0	10.2
48 Fort Lauderdale—Hollywood	353.3	359.6	354.4	(1)	(1)	(1)	25.5	25.7	26.4	39.2	39.2	38.9
49 Fort Myers—Cape Coral	74.0	74.3	73.8	(1)	(1)	(1)	8.7	9.4	9.3	4.1	4.1	4.1
50 Gainesville	66.8	67.7	66.9	(1)	(1)	(1)	3.6	4.4	4.3	4.2	4.2	4.2
51 Jacksonville	302.7	310.1	304.5	(1)	(1)	(1)	18.5	19.5	19.5	33.4	31.8	31.3
52 Lakeland—Winter Haven	109.5	111.2	111.6	4.2	4.2	4.2	7.0	6.6	6.6	17.2	17.5	17.8
53 Melbourne—Titusville—Cocoa	108.8	114.1	114.1	(1)	(1)	(1)	5.9	6.0	6.2	23.9	24.7	24.9
54 Miami	718.8	728.3	723.0	(1)	(1)	(1)	34.4	35.2	35.8	93.5	94.8	94.8
55 Orlando	306.6	323.4	323.4	(1)	(1)	(1)	25.5	25.7	26.2	38.7	39.0	39.3
56 Pensacola	99.9	103.3	104.7	(1)	(1)	(1)	7.2	8.7	8.9	12.3	12.5	12.6
57 Sarasota	73.7	77.5	77.4	(1)	(1)	(1)	6.9	6.7	6.8	5.6	5.8	5.8
58 Tallahassee	76.1	74.1	75.1	(1)	(1)	(1)	3.4	3.6	4.0	3.1	3.2	3.2
59 Tampa—St. Petersburg	575.4	591.0	590.6	(1)	(1)	(1)	39.4	41.2	41.7	77.5	79.9	80.5
60 West Palm Beach—Boca Raton	211.3	219.8	217.8	(1)	(1)	(1)	18.0	17.1	16.7	28.3	29.4	29.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	
72.0	70.7	64.5	268.2	266.3	266.5	59.3	59.6	59.7	216.3	218.1	218.3	288.0	302.5	294.4	1
29.6	29.7	26.2	79.6	78.4	78.6	23.5	23.9	23.9	72.0	73.7	73.8	52.8	55.7	55.1	2
2.8	2.7	2.3	22.6	22.9	23.0	3.6	3.5	3.5	20.3	21.1	21.0	35.1	36.5	35.8	3
10.1	9.6	9.0	36.8	37.2	36.9	7.2	6.8	6.7	31.5	31.5	31.5	24.1	27.2	25.1	4
4.5	4.5	3.9	23.3	23.4	23.7	6.2	6.2	6.2	20.7	20.5	20.5	28.2	28.3	27.7	5
1.8	1.7	1.4	9.9	10.0	10.1	1.6	1.7	1.7	6.3	6.2	6.2	17.2	16.8	17.0	6
19.7	20.2	20.0	40.7	44.0	43.9	9.9	11.1	11.0	38.3	41.5	42.0	59.5	57.2	59.4	7
56.6	55.9	47.7	249.2	251.1	251.2	61.8	63.0	62.9	220.6	225.7	225.5	181.3	179.5	180.0	8
35.6	35.2	29.6	165.1	166.7	166.9	48.1	48.7	48.6	144.5	148.8	148.4	91.2	90.1	90.2	9
9.0	8.8	7.0	43.0	42.6	42.5	8.6	9.2	9.3	42.3	44.0	44.1	38.3	38.9	39.4	10
42.6	42.4	38.3	160.6	159.0	159.9	32.7	33.0	33.0	119.4	120.4	120.9	127.0	124.3	126.4	11
4.0	4.5	4.3	16.0	16.4	16.6	2.3	2.5	2.5	9.6	9.6	9.7	11.1	11.2	11.6	12
3.6	3.6	3.3	14.3	14.5	14.3	2.5	2.6	2.6	12.3	12.3	12.2	8.1	8.1	8.1	13
13.2	13.4	11.6	42.6	43.4	43.8	13.4	13.5	13.4	37.4	38.5	38.7	34.8	34.5	34.8	14
3.6	3.2	3.1	5.9	5.6	5.7	1.3	1.3	1.3	5.5	5.6	5.6	5.3	5.6	5.6	15
543.5	541.0	471.8	2,273.2	2,318.6	2,327.5	646.2	654.9	659.0	2,295.0	2,351.6	2,355.7	1,623.1	1,652.1	1,618.6	16
29.5	28.3	24.1	211.0	209.5	209.6	60.0	59.7	60.7	192.9	197.1	196.6	94.4	92.8	92.9	17
7.8	7.8	7.1	35.6	36.2	36.1	5.4	5.5	5.6	25.6	25.6	25.7	31.0	31.9	31.6	18
10.3	10.7	9.4	46.7	46.3	46.3	11.3	11.4	11.5	37.7	37.2	37.3	35.8	36.1	35.1	19
196.3	194.0	179.3	811.8	828.7	828.8	236.5	242.6	243.5	863.4	898.9	901.5	419.3	436.9	420.0	20
4.2	4.0	3.6	21.5	21.3	21.4	3.4	3.4	3.4	17.7	17.6	17.7	14.7	15.2	14.8	21
6.5	6.7	6.0	39.3	40.0	39.8	10.4	10.4	10.4	33.1	33.5	33.4	36.4	35.4	34.8	22
25.4	25.0	24.2	107.8	108.9	109.0	18.9	18.7	18.8	95.1	95.6	95.3	92.9	94.7	93.4	23
22.0	21.7	17.7	94.8	95.4	95.6	23.0	22.7	22.8	79.7	80.5	80.8	137.8	137.1	136.3	24
4.7	4.7	4.1	24.7	24.7	24.7	4.2	4.3	4.3	21.4	21.4	21.5	22.8	23.9	23.0	25
29.9	29.2	26.3	153.3	156.8	157.4	42.0	42.2	42.3	163.3	165.9	167.8	129.8	131.8	130.4	26
126.0	123.8	113.4	359.2	358.7	359.2	153.4	154.1	153.9	372.8	381.4	380.1	267.5	268.2	264.2	27
22.6	21.9	18.6	126.3	129.2	129.6	28.4	28.7	28.8	158.7	160.5	159.3	71.3	70.0	70.2	28
5.5	5.3	5.3	30.2	29.8	29.7	6.2	6.3	6.3	34.7	34.5	34.3	22.6	23.5	23.1	29
4.9	4.8	4.0	23.7	23.7	23.7	6.1	6.1	6.1	21.1	21.2	21.4	17.4	17.2	17.7	30
8.7	7.8	7.2	27.5	27.5	27.6	6.2	6.2	6.2	24.1	23.9	23.8	24.4	24.3	24.4	31
4.6	4.5	3.8	22.8	23.1	23.2	3.5	3.5	3.5	20.4	20.4	20.3	33.3	33.0	32.6	32
85.9	85.2	75.6	322.8	329.1	330.3	84.2	86.9	87.2	282.2	294.2	294.7	222.0	228.2	226.9	33
61.5	62.6	56.2	201.8	203.9	204.5	60.4	62.8	63.1	187.5	195.5	195.7	124.6	126.0	125.3	34
60.7	59.4	49.7	302.7	310.2	310.0	115.2	118.1	118.3	305.9	313.6	311.9	165.9	168.5	167.8	35
6.4	6.3	6.2	35.1	35.2	35.3	7.9	7.9	7.9	37.1	36.4	36.4	15.0	14.6	14.6	36
13.3	13.1	11.8	82.9	83.9	83.5	67.3	67.2	67.5	79.2	83.7	82.8	49.8	49.5	49.2	37
3.5	3.7	3.3	9.9	9.8	9.8	1.9	1.9	1.9	10.9	10.8	10.8	5.4	6.0	5.9	38
15.1	15.3	10.5	41.2	40.8	40.8	11.1	11.3	11.2	50.4	50.9	50.7	22.3	21.4	21.4	39
4.6	4.6	4.3	26.2	26.6	26.7	9.2	9.4	9.4	27.8	28.2	28.0	9.7	9.6	9.6	40
3.2	3.3	2.8	16.7	16.4	16.5	3.9	4.0	4.0	19.2	18.8	18.8	10.2	10.8	10.6	41
11.4	10.6	9.7	59.0	59.9	59.7	13.7	13.9	13.9	51.7	51.7	51.6	42.9	44.1	43.6	42
11.2	10.4	9.6	47.2	48.5	48.1	12.6	12.8	12.7	45.8	46.4	46.3	32.1	34.2	34.0	43
26.0	25.6	21.0	60.3	59.3	59.3	33.7	33.3	33.1	188.3	188.3	186.4	276.8	280.8	276.2	44
74.4	75.5	68.3	301.3	307.5	308.2	91.9	93.5	93.4	468.5	477.9	476.1	543.2	542.1	540.2	45
229.5	231.8	205.5	982.9	1,026.5	1,032.5	279.9	293.1	294.2	892.9	930.5	929.0	585.4	600.3	584.6	46
3.3	3.1	2.7	23.3	23.6	23.7	5.0	5.5	5.6	23.4	23.2	22.9	13.4	14.2	14.3	47
18.5	17.8	12.5	106.3	108.5	109.6	31.1	33.1	32.9	88.4	90.9	90.0	44.3	44.4	44.1	48
4.2	4.2	4.2	22.1	22.4	22.3	6.8	7.2	7.2	16.8	17.3	17.2	11.3	9.7	9.5	49
1.6	1.6	1.4	14.2	13.4	13.9	3.0	2.8	2.8	14.3	14.2	14.2	25.9	27.1	26.1	50
24.7	25.1	19.7	80.0	83.1	83.2	28.3	28.1	28.3	69.6	73.0	72.9	48.2	49.5	49.6	51
4.9	5.0	5.0	27.8	28.1	28.1	9.4	10.2	10.2	24.5	25.0	25.2	14.5	14.6	14.5	52
5.0	4.9	4.1	23.7	27.1	27.3	4.1	4.2	4.3	27.1	27.8	28.0	19.1	19.4	19.3	53
72.4	70.5	64.6	192.1	193.3	192.9	58.6	59.2	59.7	178.6	184.4	184.2	89.2	90.9	91.0	54
15.3	15.4	15.4	86.2	93.1	92.7	21.5	21.1	21.3	87.8	95.8	95.6	31.6	33.3	32.9	55
5.6	5.7	5.7	24.5	25.5	25.8	4.4	4.4	4.4	22.6	23.4	23.9	23.3	23.1	23.4	56
3.2	3.5	3.5	22.0	22.6	22.5	6.2	6.8	6.7	19.7	21.6	21.7	10.1	10.5	10.4	57
2.5	2.6	2.6	15.8	15.6	15.8	3.5	3.6	3.6	14.7	14.8	15.1	33.1	30.7	30.8	58
33.5	33.9	33.8	157.6	158.3	158.2	42.9	45.4	45.2	147.3	153.3	152.4	77.2	79.0	78.8	59
9.6	10.2	10.2	55.3	58.1	57.9	18.6	19.5	19.4	53.1	55.9	55.1	28.4	29.6	29.3	60

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

	State and areas	Total			Mining			Construction			Manufacturing		
		AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P
1	GEORGIA	2,206.5	2,236.7	2,246.9	7.4	7.4	7.4	106.8	107.8	109.1	500.9	501.0	505.2
2	Albany	43.2	43.2	43.5	(1)	(1)	(1)	1.8	1.8	1.8	11.8	11.5	11.5
3	Athens	52.2	52.4	52.7	-	-	-	1.8	1.9	1.9	14.1	14.0	14.2
4	Atlanta	1,012.3	1,026.7	1,030.9	(1)	(1)	(1)	47.5	46.2	46.6	141.4	139.0	138.0
5	Augusta	122.6	122.2	122.6	(1)	(1)	(1)	6.0	5.0	4.7	33.3	33.5	33.9
6	Columbus	81.0	80.8	81.6	(1)	(1)	(1)	3.6	3.8	4.3	19.9	20.3	20.6
7	Macon	98.8	98.9	99.5	(1)	(1)	(1)	4.1	3.5	3.6	16.5	16.2	16.6
8	Savannah	87.0	87.4	88.8	(1)	(1)	(1)	5.7	5.0	5.0	16.6	15.7	16.3
9	HAWAII	403.9	401.8	400.2	-	-	-	17.7	16.6	16.6	24.2	23.4	23.4
10	Honolulu	329.1	328.4	326.8	-	-	-	14.1	13.6	13.5	18.1	17.3	17.2
11	IDAHO	307.6	313.9	313.9	3.2	4.1	4.2	14.6	14.7	14.9	48.9	49.5	50.1
12	Boise City	75.5	78.5	79.1	(1)	(1)	(1)	5.0	5.0	5.3	8.9	9.2	9.3
13	ILLINOIS	4,592.1	4,535.9	4,516.0	27.7	26.8	26.8	167.4	161.9	162.3	1,009.8	975.8	982.1
14	Bloomington—Normal	47.6	47.5	46.8	(2)	(2)	(2)	1.4	1.4	1.5	5.4	5.3	5.1
15	Champaign—Urbana—Rantoul	70.4	71.1	69.1	(2)	(2)	(2)	1.9	1.9	1.9	6.7	6.8	6.8
16	Chicago—Gary	3,328.4	3,296.5	3,277.5	2.9	3.2	3.2	121.0	124.5	123.1	761.7	727.8	728.4
17	Chicago SMSA ¹	3,098.0	3,071.7	3,054.8	2.8	3.1	3.1	109.0	112.5	110.9	685.0	656.8	657.6
18	Davenport—Rock Island—Moline	153.0	146.5	148.2	(2)	(2)	(2)	6.7	6.2	6.3	42.4	37.6	39.5
19	Decatur	50.5	51.9	51.9	(2)	(2)	(2)	2.3	2.2	2.3	15.6	17.9	17.9
20	Kankakee	33.3	31.2	30.7	(2)	(2)	(2)	1.6	1.3	1.3	7.3	6.2	6.4
21	Peoria	137.2	131.0	129.8	(2)	(2)	(2)	8.2	7.2	6.9	38.4	34.9	34.9
22	Rockford	106.2	106.2	106.5	(2)	(2)	(2)	3.3	2.9	3.1	39.9	41.3	41.8
23	Springfield	93.4	86.6	90.5	(2)	(2)	(2)	3.9	3.4	3.4	6.2	5.4	5.3
24	INDIANA	1,997.9	1,992.7	1,988.1	10.6	9.7	9.6	82.4	77.7	80.0	581.4	566.9	569.1
25	Anderson	42.0	44.2	43.7	(1)	(1)	(1)	1.0	1.2	1.1	16.9	17.5	17.6
26	Elkhart	67.8	76.6	77.1	(1)	(1)	(1)	1.7	2.1	2.1	34.3	40.8	41.2
27	Evansville	123.4	121.7	122.8	2.8	2.8	2.7	6.4	6.2	6.4	33.4	30.8	31.8
28	Fort Wayne	161.6	158.1	156.6	(1)	(1)	(1)	6.5	5.8	6.1	47.8	45.9	44.0
29	Gary—Hammond—East Chicago	230.4	224.8	222.7	(1)	(1)	(1)	12.0	12.0	12.2	76.7	71.0	70.8
30	Indianapolis	506.3	504.6	503.6	(1)	(1)	(1)	21.4	21.0	21.3	109.2	106.4	106.5
31	Lafayette—West Lafayette	52.0	53.1	52.5	(1)	(1)	(1)	2.0	1.8	1.8	19.4	10.7	10.6
32	Muncie	43.6	43.6	43.0	(1)	(1)	(1)	1.4	1.3	1.4	10.6	10.4	10.5
33	South Bend	105.1	104.8	104.9	(1)	(1)	(1)	3.9	4.5	4.6	29.2	26.6	27.3
34	Terre Haute	58.2	57.1	57.2	1.2	1.2	1.2	2.7	3.3	3.4	14.4	12.7	12.7
35	IOWA	1,013.0	998.7	990.0	2.0	1.9	1.9	39.5	33.6	33.8	201.5	197.4	191.6
36	Cedar Rapids	74.2	71.5	70.9	(1)	(1)	(1)	2.4	2.0	2.0	22.3	20.9	20.9
37	Des Moines	167.8	166.1	164.0	(1)	(1)	(1)	5.9	4.8	5.1	18.6	19.5	19.4
38	Dubuque	36.7	37.2	36.3	(1)	(1)	(1)	1.3	1.1	1.1	10.3	11.0	10.1
39	Sioux City	44.2	45.7	45.3	(1)	(1)	(1)	1.9	1.6	1.5	6.9	8.5	8.5
40	Waterloo—Cedar Falls	57.9	54.9	48.5	(1)	(1)	(1)	1.8	1.5	1.6	18.9	16.9	11.1
41	KANSAS	898.5	902.5	896.7	17.8	17.6	17.5	39.4	37.0	37.5	157.6	161.8	163.5
42	Lawrence	25.6	24.8	25.6	(2)	(2)	(2)	.8	.7	.7	4.4	4.1	4.1
43	Topeka	82.7	82.8	81.6	(2)	(2)	(2)	3.3	3.0	3.0	9.1	9.0	9.0
44	Wichita	184.1	191.9	190.3	3.6	3.4	3.4	8.7	7.7	8.0	45.1	51.5	52.2
45	KENTUCKY	1,156.8	1,150.2	1,153.9	53.5	52.0	52.2	52.9	53.7	55.7	243.6	246.1	248.3
46	Lexington—Fayette	139.6	139.0	138.3	(1)	(1)	(1)	6.2	5.6	5.7	25.9	26.0	26.3
47	Louisville	367.7	369.7	369.2	(1)	(1)	(1)	17.4	17.5	17.6	85.0	84.3	83.9
48	Owensboro	30.5	29.5	30.4	1.1	1.1	1.2	1.7	1.7	1.7	5.9	5.4	5.9
49	LOUISIANA	1,601.1	1,583.5	1,577.0	96.7	91.7	91.6	124.9	115.3	115.1	201.8	192.4	191.7
50	Alexandria	53.8	53.9	54.1	(1)	(1)	(1)	3.7	3.7	3.7	5.8	5.3	5.3
51	Baton Rouge	203.1	205.1	205.1	1.5	1.5	1.5	21.2	21.5	21.8	25.4	24.3	24.4
52	Lafayette	98.5	95.6	93.9	19.7	16.9	16.9	6.9	6.4	6.2	5.2	5.1	5.0
53	Lake Charles	62.9	60.9	60.5	2.6	2.3	2.3	6.4	4.4	4.0	10.4	9.8	9.8
54	Monroe	50.2	51.6	51.1	.6	.6	.6	3.7	3.7	3.7	7.2	7.2	7.2
55	New Orleans	513.2	505.8	500.4	21.2	20.8	20.6	32.1	31.1	31.4	46.9	44.4	43.8
56	Shreveport	147.8	146.1	146.8	7.8	6.8	7.0	8.9	7.9	8.3	25.0	24.1	24.3
57	MAINE	424.5	418.0	428.0	(1)	(1)	(1)	18.7	18.7	18.6	110.5	98.6	110.2
58	Lawton—Auburn	33.7	32.1	34.3	(1)	(1)	(1)	1.5	1.4	1.6	11.0	9.6	11.6
59	Portland	94.6	97.4	97.2	(1)	(1)	(1)	4.4	4.5	4.5	17.0	15.6	16.5
60	MARYLAND	1,687.5	1,687.5	1,675.5	(1)	(1)	(1)	89.8	91.0	91.0	206.3	206.8	205.1
61	Baltimore SMSA	916.5	933.7	919.1	(1)	(1)	(1)	42.0	41.2	41.8	136.8	136.7	135.0
62	Baltimore City	429.1	434.3	428.1	(1)	(1)	(1)	14.4	12.9	13.3	55.9	54.2	54.8

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	
146.9	147.6	148.1	524.4	536.9	540.2	117.7	120.9	121.2	376.4	394.6	395.7	426.0	420.4	419.9	1
2.3	2.2	2.1	9.1	9.4	9.4	2.1	2.3	2.2	5.9	5.8	5.8	10.2	10.3	10.6	2
1.6	1.5	1.5	10.1	10.4	10.4	1.7	1.7	1.6	7.0	7.1	7.1	16.0	15.9	15.9	3
93.0	93.2	93.6	283.0	290.2	291.9	71.1	72.1	72.7	219.2	225.4	227.7	157.1	160.6	160.3	4
4.3	4.2	4.2	24.7	24.6	24.8	4.7	4.6	4.6	18.9	19.9	19.9	30.7	30.3	30.5	5
3.3	3.1	3.1	16.6	16.8	16.9	5.4	5.5	5.5	11.5	11.0	11.0	20.7	20.2	20.2	6
4.8	4.5	4.4	20.9	21.3	21.4	6.0	6.2	6.2	17.6	17.9	17.9	28.9	29.3	29.4	7
7.7	9.1	9.3	21.1	21.3	21.5	4.2	4.2	4.2	16.6	16.8	17.0	15.1	15.3	15.4	8
32.0	30.4	30.2	106.5	107.6	107.3	31.8	31.8	31.8	100.5	100.8	99.8	91.2	91.2	91.1	9
26.6	25.2	25.2	87.5	88.3	88.3	27.4	27.5	27.5	78.8	79.2	78.4	76.6	77.3	76.7	10
19.0	18.9	19.0	77.7	79.0	78.4	22.6	23.2	23.3	59.0	60.0	60.4	62.6	64.5	63.6	11
5.1	5.2	5.3	19.5	20.7	20.8	7.6	7.9	7.9	14.9	15.5	15.5	14.5	15.0	15.0	12
272.7	267.7	243.9	1,077.0	1,072.3	1,075.4	331.2	329.4	328.7	990.4	994.7	992.0	715.9	707.3	704.8	13
3.5	3.3	3.3	11.8	11.5	11.7	8.1	8.2	8.2	8.7	8.8	8.7	8.7	9.0	8.3	14
2.5	2.4	2.1	19.4	19.0	19.0	2.4	2.4	2.4	12.0	12.1	12.1	25.5	26.5	24.8	15
195.6	195.2	175.7	794.0	793.4	793.8	254.7	251.9	252.2	763.5	766.8	768.2	434.9	433.7	432.9	16
181.7	182.1	163.1	746.2	744.7	745.0	245.7	243.1	243.4	724.7	728.0	729.4	402.9	401.4	402.3	17
6.6	6.7	6.4	38.5	38.6	38.7	7.3	7.3	7.2	25.5	24.5	24.6	26.0	25.6	25.5	18
4.8	4.7	4.5	11.0	10.9	10.9	2.7	2.6	2.6	9.0	8.7	8.8	5.1	4.9	4.9	19
1.4	1.3	1.2	6.9	6.6	6.5	1.5	1.5	1.5	6.7	6.1	6.1	7.9	8.2	7.7	20
7.5	7.3	6.7	33.1	31.9	31.9	6.7	6.8	6.7	27.1	26.6	26.5	16.2	16.3	16.2	21
4.4	4.2	3.8	23.1	22.8	22.8	4.7	4.6	4.5	19.1	18.6	18.6	11.7	11.8	11.9	22
4.4	4.3	3.5	20.9	18.8	20.8	6.5	6.4	6.3	20.5	18.5	20.5	31.0	29.8	30.7	23
104.3	101.7	95.0	455.7	448.3	449.2	103.2	106.5	106.7	356.2	366.2	365.5	304.2	315.6	313.0	24
1.2	1.2	1.1	9.1	9.5	9.5	1.5	1.6	1.6	7.6	7.8	7.9	4.7	5.4	4.9	25
2.5	2.5	2.5	13.3	14.4	14.4	2.0	2.1	2.1	9.3	9.8	9.9	4.7	4.9	4.9	26
7.0	6.7	6.4	30.5	31.6	31.8	4.6	4.6	4.6	26.6	26.8	26.7	12.1	12.2	12.4	27
10.5	10.2	10.2	39.9	39.1	39.2	10.5	10.5	10.5	29.0	29.1	29.2	17.8	17.5	17.4	28
13.9	13.1	12.6	47.8	48.7	48.8	9.0	8.8	8.8	38.9	38.9	38.9	32.0	32.3	30.6	29
30.5	30.9	28.5	128.6	127.7	128.2	39.1	39.5	39.5	97.9	97.9	99.9	79.6	79.0	79.7	30
1.7	1.6	1.6	10.9	11.2	11.3	2.6	2.6	2.7	9.4	9.4	9.4	15.0	15.8	15.1	31
2.0	1.9	1.7	11.3	11.1	11.1	1.5	1.5	1.5	8.8	9.0	8.9	8.0	8.4	7.9	32
4.7	4.6	4.2	25.9	26.8	27.1	5.1	5.2	5.2	24.7	25.4	25.2	11.6	11.7	11.3	33
3.4	3.2	3.2	14.5	14.2	14.4	2.0	1.9	1.9	9.7	10.1	10.1	10.3	10.5	10.3	34
52.0	50.5	45.8	264.5	261.2	262.6	59.5	60.3	60.1	207.0	204.7	205.5	187.0	189.2	188.8	35
3.9	3.8	3.3	17.9	17.1	17.2	4.2	4.2	4.2	15.3	15.2	15.2	8.1	8.1	8.1	36
11.2	11.1	8.8	43.1	42.2	42.2	21.9	22.3	22.0	40.5	40.0	39.8	26.6	26.2	26.7	37
1.6	1.6	1.5	8.6	8.5	8.5	1.3	1.3	1.3	10.3	10.4	10.5	3.3	3.3	3.3	38
3.7	3.5	3.3	11.9	11.8	11.8	2.7	2.7	2.7	11.5	11.9	11.9	5.6	5.7	5.6	39
2.2	2.1	1.8	12.9	12.4	12.4	2.1	2.1	2.1	10.9	10.6	10.6	9.0	9.2	8.8	40
62.4	63.8	58.2	226.9	225.7	226.9	49.2	48.7	48.5	173.4	173.3	173.1	171.8	174.6	171.5	41
1.4	1.5	1.4	5.3	5.5	5.6	.8	.8	.8	3.8	4.0	4.0	9.1	8.2	9.0	42
8.2	7.8	6.7	18.2	18.6	18.7	5.9	5.9	5.9	17.4	17.6	17.6	20.4	20.9	20.7	43
10.6	10.4	8.7	44.4	45.8	45.6	9.9	10.1	10.2	39.5	39.5	39.5	22.3	23.5	22.7	44
66.1	62.9	60.9	260.9	261.2	263.2	52.4	52.3	51.9	216.4	224.1	223.4	211.0	197.9	198.3	45
7.5	7.4	7.3	31.6	30.8	30.4	7.1	7.2	7.1	30.1	31.9	31.0	31.2	30.1	30.5	46
23.1	21.6	20.8	86.3	84.8	85.0	23.7	24.4	24.2	78.3	80.2	81.1	54.0	56.7	56.6	47
2.4	2.4	2.3	7.3	7.1	7.2	1.1	1.2	1.2	6.2	6.1	6.2	4.8	4.5	4.7	48
129.5	125.4	120.6	369.3	366.3	367.1	79.8	80.5	80.5	302.7	306.2	306.3	296.4	305.7	304.1	49
2.5	2.5	2.5	12.1	12.5	12.6	3.0	3.0	3.0	11.3	11.5	11.6	15.4	15.4	15.4	50
10.6	10.1	9.2	46.4	47.3	47.4	12.1	12.2	12.1	37.6	38.2	38.4	48.3	50.0	50.3	51
7.9	7.7	7.5	24.7	24.0	23.9	3.7	3.8	3.8	21.1	21.0	20.9	9.3	10.7	9.7	52
4.8	5.1	4.9	14.9	14.9	15.0	2.9	3.0	3.1	10.4	11.0	11.1	10.5	10.4	10.3	53
2.7	2.8	2.7	13.0	13.5	13.6	3.9	3.9	4.0	10.0	9.9	10.1	9.1	10.0	9.2	54
50.8	48.3	44.4	129.8	127.4	127.5	31.6	31.3	31.2	119.7	123.3	122.8	81.1	79.2	78.7	55
9.6	8.7	8.6	35.7	34.6	34.7	7.8	8.0	8.0	32.0	31.7	32.1	21.0	24.3	23.8	56
18.9	18.7	16.8	92.9	96.2	96.6	18.1	18.7	18.6	89.1	89.0	89.6	76.3	78.1	77.6	57
1.3	1.2	1.1	8.1	7.9	8.0	1.6	1.7	1.7	7.2	7.4	7.4	3.0	2.9	2.9	58
6.3	6.3	5.6	25.7	27.1	26.8	8.4	8.9	8.9	21.4	22.9	23.0	11.4	12.1	11.9	59
85.1	84.5	85.9	409.9	412.0	414.3	97.2	98.3	98.4	394.9	407.9	407.4	375.3	387.0	373.4	60
57.2	56.1	56.2	219.8	218.9	220.1	59.9	59.9	59.6	205.2	212.4	212.1	195.6	208.5	194.3	61
36.6	35.1	35.9	93.2	90.2	91.0	40.2	40.3	40.3	109.7	115.2	114.3	79.1	86.4	78.5	62

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas by Industry division—Continued

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P
1 MASSACHUSETTS	2,606.0	2,595.5	2,585.6	(1)	(1)	(1)	84.6	76.6	77.2	631.7	605.9	617.2
2 Boston	1,452.3	1,462.6	1,456.6	(1)	(1)	(1)	47.1	45.1	46.4	285.1	282.4	284.9
3 Brockton	55.8	55.1	54.7	(1)	(1)	(1)	1.7	1.6	1.7	11.5	10.7	11.2
4 Fall River	53.0	50.0	50.7	(1)	(1)	(1)	1.8	2.1	2.2	18.4	18.0	19.1
5 Lawrence—Haverhill	112.8	111.9	106.3	(1)	(1)	(1)	3.3	3.5	3.5	42.7	39.7	35.7
6 Lowell	78.7	80.4	80.7	(1)	(1)	(1)	2.8	2.4	2.5	30.6	32.4	33.0
7 New Bedford	62.8	63.0	64.0	(1)	(1)	(1)	1.7	1.6	1.7	23.7	22.8	24.6
8 Springfield—Chicopee—Holyoke	223.3	221.5	219.3	(1)	(1)	(1)	5.8	5.8	6.0	57.4	54.9	54.9
9 Worcester	156.8	153.7	154.8	(1)	(1)	(1)	5.1	5.0	5.1	43.5	40.1	40.9
10 MICHIGAN	3,153.7	3,184.1	3,163.6	10.4	10.6	11.0	101.8	96.6	96.8	866.1	872.3	870.5
11 Ann Arbor	127.5	128.3	124.8	(1)	(1)	(1)	2.0	1.9	2.0	33.8	33.1	29.4
12 Battle Creek	59.9	61.2	61.8	(1)	(1)	(1)	1.7	2.1	1.9	18.0	18.6	18.6
13 Bay City	32.1	32.1	32.4	(1)	(1)	(1)	.8	1.1	1.1	8.2	8.3	8.4
14 Benton Harbor	54.1	54.0	54.3	(1)	(1)	(1)	1.9	2.0	2.0	18.9	18.6	18.8
15 Detroit	1,534.2	1,542.5	1,532.6	1.2	.9	.9	46.5	41.7	42.8	409.3	416.3	411.3
16 Flint	170.8	180.3	181.2	(1)	(1)	(1)	3.3	4.3	4.4	61.6	66.0	66.5
17 Grand Rapids	261.1	262.2	262.3	(1)	(1)	(1)	10.4	9.9	10.0	86.7	86.7	87.6
18 Jackson	46.0	45.1	45.5	(1)	(1)	(1)	1.1	1.3	1.3	11.5	10.3	10.5
19 Kalamazoo—Portage	102.9	101.2	101.8	(1)	(1)	(1)	3.4	3.2	3.1	31.3	30.8	31.1
20 Lansing—East Lansing	176.1	184.8	186.4	(1)	(1)	(1)	4.1	3.7	3.9	35.9	39.8	40.3
21 Muskegon—Norton Shores—Musk. Hts	56.8	57.0	57.3	(1)	(1)	(1)	2.1	2.1	2.1	18.2	18.8	18.7
22 Saginaw	77.2	78.7	77.1	(1)	(1)	(1)	2.0	2.5	2.6	24.9	24.4	23.9
23 MINNESOTA	1,704.6	1,703.5	1,708.3	6.2	10.4	9.2	69.1	69.6	72.2	352.2	340.0	347.6
24 Duluth—Superior	54.4	51.8	52.6	(1)	(1)	(1)	1.8	1.4	1.4	5.2	4.8	4.8
25 Minneapolis—St. Paul	1,057.4	1,062.0	1,064.6	(1)	(1)	(1)	39.8	39.3	40.9	234.1	230.2	234.3
26 Rochester	51.8	52.5	52.4	(2)	(2)	(2)	1.8	1.8	1.7	10.3	10.5	10.4
27 St. Cloud	52.4	53.1	53.1	(1)	(1)	(1)	3.2	3.2	3.3	9.9	10.3	10.3
28 MISSISSIPPI	781.1	783.0	776.8	11.9	11.0	10.9	42.0	39.6	39.5	203.2	202.9	205.4
29 Jackson	143.3	143.9	143.6	2.2	2.0	2.0	6.1	6.9	7.1	16.5	15.9	16.2
30 MISSOURI	1,917.6	1,903.9	1,905.1	7.3	7.0	6.9	82.1	81.0	82.0	407.2	393.6	405.2
31 Kansas City	602.0	593.3	590.0	.5	.5	.5	20.5	22.2	21.8	108.8	106.6	107.9
32 St. Joseph	36.6	36.5	36.4	(2)	(2)	(2)	1.5	1.3	1.2	9.0	9.4	9.5
33 St. Louis	979.7	976.6	971.5	3.1	3.0	3.0	46.5	46.5	47.9	218.3	210.6	215.1
34 Springfield	86.1	88.6	89.6	(2)	(2)	(2)	3.6	4.1	4.1	17.8	17.9	18.2
35 MONTANA	271.5	267.9	266.2	9.2	7.4	6.2	14.0	12.5	13.0	20.5	20.9	21.0
36 NEBRASKA	598.3	594.6	595.5	1.8	1.9	1.6	23.2	21.8	21.8	84.0	82.3	83.1
37 Lincoln	94.0	92.0	92.8	(2)	(2)	(2)	2.9	2.9	2.8	11.9	11.2	11.6
38 Omaha	257.0	257.9	258.0	(2)	(2)	(2)	9.3	8.5	8.5	32.0	32.4	32.7
39 NEVADA	408.1	417.8	419.4	6.6	6.4	6.4	22.0	23.0	23.5	18.5	18.6	18.6
40 Las Vegas	226.9	234.4	235.1	.4	.4	.4	13.0	13.2	13.6	6.4	7.0	7.0
41 Reno	113.8	116.2	117.2	.7	.8	.8	5.5	6.1	6.3	7.8	7.7	7.8
42 NEW HAMPSHIRE	401.5	400.7	401.7	(2)	(2)	(2)	25.2	25.7	26.1	111.9	110.6	113.4
43 Manchester	75.3	76.6	76.1	(2)	(2)	(2)	3.4	3.2	3.3	16.7	16.5	17.1
44 Nashua	68.6	70.8	71.2	(2)	(2)	(2)	3.1	3.3	3.3	31.9	33.3	33.9
45 NEW JERSEY	3,126.8	3,134.5	3,120.7	2.3	2.3	2.3	115.8	112.4	114.2	726.9	703.9	709.4
46 Atlantic City	107.6	111.2	110.8	-	-	-	4.3	4.3	4.5	7.3	6.9	7.1
47 Camden ^a	346.6	348.6	346.8	.1	.1	.1	13.2	13.3	13.5	68.8	68.4	68.9
48 Hackensack ^b	400.4	399.1	396.7	(1)	(1)	(1)	14.5	13.6	13.9	104.1	99.0	99.2
49 Jersey City ^c	217.4	213.7	213.4	-	-	-	4.4	3.6	3.6	60.2	57.8	58.1
50 Long Branch—Asbury Park	174.8	176.6	174.9	(1)	(1)	(1)	6.7	7.5	7.6	24.0	23.1	23.4
51 New Bruns.—Perth Amboy—Sayreville ^d	294.3	291.5	(*)	(1)	(1)	(*)	10.3	9.4	(*)	82.4	76.8	(*)
52 Newark ^e	944.3	945.0	940.3	.8	.9	.8	33.1	30.1	30.0	230.3	225.9	225.9
53 Paterson—Clifton—Passaic ^f	184.5	190.4	188.9	(1)	(1)	(1)	7.2	7.7	7.9	62.3	62.7	62.8
54 Trenton	159.6	160.6	159.5	(1)	(1)	(1)	3.3	3.2	3.3	31.1	30.1	29.7
55 Vineland—Millville—Bridgeton	53.3	48.6	49.1	(1)	(1)	(1)	1.7	1.3	1.3	17.7	13.3	13.7
56 NEW MEXICO	473.6	482.7	482.0	25.3	20.3	20.6	33.0	37.6	37.8	34.4	33.4	33.8
57 Albuquerque	190.4	197.2	195.4	(1)	(1)	(1)	12.3	12.9	13.1	18.1	18.1	18.2
58 Las Cruces	29.8	31.3	31.7	(1)	(1)	(1)	1.6	2.3	2.3	3.1	2.8	3.0
59 NEW YORK	7,242.4	7,201.1	7,160.5	6.8	6.8	6.8	227.8	228.9	231.5	1,359.8	1,298.2	1,311.8
60 Albany—Schenectady—Troy	336.0	329.5	328.8	(1)	(1)	(1)	11.4	11.3	11.5	50.4	50.5	50.7
61 Binghamton	116.1	114.3	114.1	(1)	(1)	(1)	4.1	4.1	4.2	43.4	41.9	41.9
62 Buffalo	470.9	455.6	455.8	(1)	(1)	(1)	17.6	16.3	16.7	110.8	101.8	101.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	
117.5	115.3	93.5	570.9	572.9	575.6	172.9	176.3	178.2	678.7	693.4	691.9	349.7	355.2	352.0	1
70.0	69.9	60.2	311.9	318.4	316.4	119.5	124.5	124.7	439.6	446.1	448.7	179.1	176.2	175.3	2
3.4	3.6	2.9	15.6	15.5	15.4	2.3	2.3	2.3	10.6	10.6	10.6	10.7	10.8	10.6	3
1.7	1.7	1.2	11.6	11.1	10.7	3.2	2.6	2.6	10.1	8.7	9.0	6.2	5.8	5.9	4
4.6	4.6	3.3	22.0	22.8	22.9	4.4	4.6	4.5	20.4	21.7	21.5	15.4	15.0	14.9	5
2.9	2.9	2.5	16.2	16.3	16.3	2.3	2.3	2.3	13.3	13.2	13.2	10.6	10.9	10.9	6
2.2	2.3	1.7	12.3	12.3	12.2	2.1	2.2	2.2	11.0	11.6	11.5	9.8	10.2	10.1	7
8.6	8.2	6.1	47.7	46.1	46.4	13.9	13.8	13.8	47.7	48.2	48.0	42.2	44.5	44.1	8
7.1	7.1	6.5	33.8	32.6	33.1	10.9	10.7	10.7	35.4	37.2	37.4	21.0	21.0	21.1	9
141.0	138.2	121.5	692.1	688.4	689.3	152.7	152.7	152.6	658.4	661.4	662.4	531.2	563.9	559.6	10
3.2	3.2	2.9	19.8	20.0	20.1	3.9	4.2	4.2	25.7	25.5	25.6	39.1	40.5	40.6	11
2.2	2.2	2.1	10.0	10.4	11.0	4.1	4.1	4.1	12.0	12.2	12.3	11.8	11.7	11.9	12
1.6	1.6	1.5	8.6	8.9	8.9	1.3	1.2	1.2	6.8	6.6	6.5	4.8	4.5	4.8	13
2.0	2.0	1.8	11.0	10.7	10.8	1.9	1.9	1.9	11.8	11.7	11.6	6.5	7.2	7.3	14
73.5	71.3	62.3	347.5	342.6	345.2	88.3	89.0	88.8	353.6	359.2	361.9	214.3	221.4	219.2	15
6.2	5.9	5.5	39.2	39.4	39.7	6.2	6.3	6.3	29.2	30.3	30.5	25.2	28.1	28.2	16
11.2	11.3	9.9	64.3	64.3	64.5	10.9	10.9	10.9	50.1	50.2	50.4	27.6	29.0	29.0	17
5.0	5.0	5.0	9.8	9.5	9.5	1.6	1.6	1.6	9.4	9.6	9.5	7.6	7.8	8.0	18
3.9	3.6	3.3	22.0	21.6	21.7	4.0	4.0	4.0	21.9	21.3	21.3	16.4	16.8	17.3	19
5.2	4.9	5.1	35.2	35.3	35.8	9.3	9.6	9.6	30.8	32.1	32.4	55.6	59.4	59.3	20
2.9	2.9	2.9	11.2	11.3	11.3	1.5	1.5	1.5	11.6	11.3	11.5	9.3	9.1	9.3	21
4.6	4.5	3.2	17.3	17.4	17.4	3.9	3.7	3.7	14.3	14.7	14.6	10.2	11.4	11.7	22
93.2	91.7	83.8	437.3	435.6	440.0	98.9	99.2	99.5	383.8	391.4	393.7	264.1	265.6	262.3	23
5.2	5.4	5.4	14.7	14.5	14.5	2.0	2.0	2.0	14.4	14.0	13.9	11.0	9.6	10.5	24
59.3	58.0	53.1	262.4	263.4	265.8	73.7	73.6	73.8	248.4	252.4	254.6	139.8	145.1	142.1	25
1.9	1.9	1.9	10.2	10.2	10.0	1.5	1.5	1.5	21.1	21.3	21.6	4.9	5.3	5.3	26
3.4	3.2	3.2	15.3	15.6	15.7	1.9	2.1	2.1	10.5	10.4	10.5	8.1	8.4	8.2	27
39.6	38.6	36.6	163.5	163.0	163.1	33.1	33.3	33.2	119.1	122.7	119.7	168.5	171.9	168.4	28
10.2	9.9	9.0	34.9	34.7	34.7	11.4	11.4	11.3	29.9	30.1	30.2	32.0	33.0	32.9	29
132.4	126.5	115.0	463.0	458.9	461.7	109.7	108.6	108.2	411.2	418.7	418.8	304.7	309.6	307.3	30
49.1	47.9	43.9	155.9	156.2	157.1	44.2	44.5	44.7	138.1	134.9	134.6	84.9	80.5	79.5	31
2.2	1.9	1.8	8.8	8.9	9.0	2.1	2.1	2.1	7.5	7.3	7.2	5.6	5.6	5.6	32
68.5	68.4	60.7	228.9	228.5	228.9	58.9	58.9	58.7	226.2	230.6	229.2	129.3	130.1	128.0	33
6.9	7.1	7.1	24.1	24.6	25.0	3.6	3.7	3.7	20.1	20.6	21.6	10.0	10.6	9.9	34
22.2	20.4	20.0	74.4	72.8	73.6	13.0	13.0	13.0	57.1	55.8	55.4	61.2	65.0	64.0	35
44.3	42.7	42.6	156.2	154.6	155.1	41.7	41.9	42.1	122.8	123.0	123.7	124.4	126.4	125.4	36
6.9	6.5	6.5	20.8	19.9	20.0	7.1	7.1	7.2	17.3	18.2	18.2	27.1	26.2	26.5	37
23.0	22.4	22.3	66.5	66.1	66.3	23.9	24.3	24.4	62.6	63.6	63.8	39.6	40.5	40.0	38
25.0	24.1	24.1	81.1	84.5	84.3	17.9	18.6	18.6	181.9	188.4	189.8	55.1	54.2	54.1	39
13.9	13.5	13.5	45.9	48.1	47.6	10.1	10.6	10.7	111.5	116.2	116.9	25.7	25.4	25.4	40
8.2	7.9	8.0	24.6	25.7	25.8	6.0	6.2	6.2	45.5	46.6	47.1	15.5	15.2	15.2	41
14.4	14.7	11.8	91.7	91.8	92.1	21.1	21.2	21.2	84.7	84.3	84.9	52.5	52.4	52.2	42
5.0	5.2	4.0	19.7	20.2	20.3	6.4	6.4	6.4	15.8	16.7	16.7	8.3	8.4	8.3	43
2.0	2.0	1.7	13.3	13.8	13.9	2.1	2.1	2.1	11.1	11.2	11.3	5.1	5.1	5.0	44
194.3	197.4	182.8	709.9	717.8	716.7	169.4	170.5	170.9	686.7	702.5	702.9	521.5	527.7	521.5	45
4.5	4.8	4.3	22.1	22.1	22.3	4.8	4.8	4.9	47.9	51.0	50.5	16.8	17.3	17.2	46
15.8	15.9	14.2	90.2	90.3	90.3	17.4	17.7	17.9	74.2	74.6	74.5	67.0	68.3	67.4	47
21.1	21.3	20.1	120.4	120.4	120.5	19.3	20.0	19.9	80.7	80.8	80.8	40.3	44.0	42.3	48
24.9	24.1	23.6	44.0	44.1	43.7	8.1	8.2	8.2	32.7	32.5	32.5	43.2	43.4	43.7	49
6.4	6.6	5.8	44.9	45.8	45.8	8.3	8.4	8.4	48.0	49.6	49.0	36.6	35.6	34.9	50
24.4	24.7	(*)	70.4	70.3	(*)	13.7	14.2	(*)	47.5	48.8	(*)	45.7	47.3	(*)	51
74.2	72.4	69.3	181.1	183.6	183.4	67.8	67.9	68.0	211.0	215.9	215.3	145.9	148.3	147.6	52
6.6	7.0	6.2	39.5	41.7	41.3	9.7	9.5	9.5	34.7	35.7	35.5	24.6	26.1	25.7	53
5.3	5.1	4.3	24.4	25.1	25.1	8.0	8.3	8.3	41.2	41.3	41.3	46.4	47.5	47.5	54
2.5	2.6	2.5	9.3	8.8	8.8	2.7	2.7	2.7	8.9	9.0	9.1	10.5	10.9	11.0	55
29.6	28.7	28.8	111.1	113.5	114.1	22.1	23.1	23.2	97.6	101.3	101.2	120.5	124.8	122.5	56
12.1	11.3	11.5	48.3	49.2	49.6	11.1	11.6	11.6	47.5	50.1	50.0	41.0	44.0	41.4	57
1.1	1.1	1.1	5.9	6.4	6.4	1.2	1.3	1.3	4.1	4.3	4.4	12.8	13.1	13.2	58
418.9	390.0	342.8	1,448.6	1,459.5	1,457.7	679.3	687.2	688.2	1,829.6	1,859.1	1,860.4	1,271.6	1,271.4	1,261.2	59
14.9	14.1	11.7	66.5	66.4	67.0	16.8	16.8	16.7	77.6	76.1	77.7	98.5	94.4	93.5	60
4.6	4.5	4.1	21.0	21.1	21.1	4.0	3.9	4.0	19.7	19.6	19.5	19.2	19.3	19.2	61
25.3	24.1	21.7	108.0	106.3	106.5	22.8	22.8	22.9	103.4	100.9	103.5	82.9	83.4	82.8	62

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P
NEW YORK—Continued												
1 Elmira	34.0	33.6	33.6	(1)	(1)	(1)	1.2	1.3	1.4	8.6	7.8	7.9
2 Monroe County ⁷	342.7	330.4	330.6	(1)	(1)	(1)	10.2	8.9	9.1	140.8	125.9	126.5
3 Nassau—Suffolk ⁸	948.1	965.8	953.6	(1)	(1)	(1)	38.9	39.2	39.1	168.2	166.7	167.2
4 New York—Northeastern New Jersey	6,791.7	6,794.9	6,744.7	2.3	2.4	2.3	213.5	211.6	212.6	1,252.6	1,208.1	1,217.3
5 New York and Nassau—Suffolk ⁸	4,750.9	4,755.3	4,715.5	1.8	1.9	1.9	144.0	147.1	147.5	713.2	686.4	694.7
6 New York SMSA ⁹	3,802.8	3,789.6	3,761.8	1.6	1.7	1.7	105.1	107.9	108.3	545.1	519.7	527.5
7 New York City ⁹	3,349.9	3,336.9	3,315.6	1.4	1.4	1.4	84.2	87.8	87.7	459.5	433.4	441.6
8 Poughkeepsie	104.6	104.0	103.2	(1)	(1)	(1)	3.0	2.9	3.0	35.4	34.5	34.5
9 Rochester	419.2	405.0	405.8	(1)	(1)	(1)	12.4	11.2	11.3	160.8	144.9	146.3
10 Rockland County ⁹	84.6	84.7	83.8	(1)	(1)	(1)	2.8	2.9	3.0	15.7	15.8	15.5
11 Syracuse	256.3	257.4	256.5	(1)	(1)	(1)	13.0	13.7	14.1	55.2	55.8	56.6
12 Utica—Rome	112.2	110.7	110.4	(1)	(1)	(1)	2.9	2.7	2.7	27.4	26.5	27.0
13 Westchester County ⁹	355.3	355.4	349.7	(1)	(1)	(1)	17.3	16.4	16.9	68.5	69.2	69.0
NORTH CAROLINA												
14 Asheville	2,301.5	2,320.9	2,333.6	4.6	4.8	4.9	105.3	105.1	106.8	779.0	782.2	787.2
15 Charlotte—Gastonia	71.8	72.3	72.1	(1)	(1)	(1)	2.8	2.8	2.8	20.4	20.3	20.3
16 Greensboro—Winston-Salem—High Pt.	331.3	331.4	332.2	(1)	(1)	(1)	16.6	17.5	17.8	90.5	89.9	91.1
17 Raleigh—Durham	372.8	377.4	378.0	(1)	(1)	(1)	16.2	16.7	17.2	140.9	143.1	140.8
18	270.2	277.0	277.3	(1)	(1)	(1)	14.4	15.6	15.6	45.8	46.0	46.4
NORTH DAKOTA												
19 Fargo—Moorhead	251.9	254.2	252.5	8.6	7.5	7.5	19.5	20.4	20.5	15.0	14.9	14.6
20	59.2	59.4	58.8	(2)	(2)	(2)	3.0	2.7	2.8	4.5	4.4	4.3
OHIO												
21 Akron	4,116.7	4,092.8	4,085.9	30.1	29.9	30.0	147.7	138.0	138.9	1,093.2	1,076.7	1,088.2
22 Canton	248.3	250.2	249.2	(*)	(*)	(*)	8.0	7.9	8.0	67.9	67.6	67.6
23 Cincinnati	150.5	148.7	148.4	(*)	(*)	(*)	5.1	5.5	5.3	48.5	46.4	46.5
24 Cleveland	574.2	570.7	569.3	(*)	(*)	(*)	21.8	19.5	19.9	147.0	144.5	146.3
25 Columbus	846.7	834.5	826.3	(*)	(*)	(*)	26.7	26.2	26.1	221.1	210.8	210.3
26 Dayton	494.4	498.5	497.1	(*)	(*)	(*)	16.4	15.2	15.3	86.2	87.2	88.0
27 Toledo	332.2	330.8	330.9	(*)	(*)	(*)	10.3	9.8	9.8	86.4	85.7	87.0
28 Youngstown—Warren	278.9	279.5	279.9	(*)	(*)	(*)	10.7	10.8	10.8	69.8	69.4	70.8
29	178.6	182.8	181.3	(*)	(*)	(*)	5.8	5.2	5.4	50.6	55.0	54.0
OKLAHOMA												
30 Enid	1,230.8	1,201.3	1,194.1	107.6	80.6	79.8	61.7	52.2	52.9	179.1	169.8	170.3
31 Lawton	28.2	28.0	28.3	3.6	3.1	3.1	1.8	1.9	2.0	2.4	2.4	2.4
32 Oklahoma City	29.8	31.6	30.6	(1)	(1)	(1)	1.4	1.6	1.7	3.2	3.2	3.2
33 Tulsa	441.7	449.2	444.4	33.8	30.9	30.9	20.9	20.6	20.7	51.5	54.8	55.6
34	320.6	311.7	309.5	28.9	26.7	26.6	16.3	15.1	15.2	60.5	54.1	54.5
OREGON												
35 Eugene—Springfield	957.5	946.1	948.9	2.1	1.6	1.8	32.5	30.0	31.5	193.6	190.9	196.5
36 Medford	89.5	88.9	89.1	(1)	(1)	(1)	2.9	2.5	2.6	17.7	18.5	19.0
37 Portland	—	—	—	—	—	—	—	—	—	—	6.6	8.0
38 Salem	518.5	510.7	506.0	(1)	(1)	(1)	18.3	16.0	16.4	100.0	95.7	95.6
39	86.2	81.5	86.1	(1)	(1)	(1)	2.7	2.8	2.8	18.3	14.8	18.9
PENNSYLVANIA												
40 Allentown—Bethlehem—Easton	4,534.9	4,473.9	4,457.9	43.5	44.2	42.8	182.8	164.7	167.1	1,152.1	1,094.7	1,100.3
41 Altoona	251.4	248.3	247.6	(1)	(1)	(1)	8.0	7.2	7.1	91.7	88.4	88.9
42 Delaware Valley ¹⁰	46.8	46.3	45.4	(1)	(1)	(1)	2.0	2.0	2.0	11.9	10.9	10.9
43 Erie	1,541.7	1,540.5	1,526.1	(1)	(1)	(1)	57.4	55.2	54.1	328.6	317.2	315.9
44 Harrisburg	107.1	104.8	105.0	(1)	(1)	(1)	3.5	2.6	2.7	37.3	34.9	34.9
45 Johnstown	222.2	221.9	222.8	(1)	(1)	(1)	8.0	7.1	7.1	41.1	39.8	40.4
46 Lancaster	78.6	74.0	74.6	6.9	6.4	6.4	2.5	2.4	2.5	14.9	12.6	13.0
47 Northeast Pennsylvania	148.5	147.9	148.6	(1)	(1)	(1)	6.1	5.9	6.0	55.6	54.3	55.3
48 Philadelphia SMSA	237.2	231.7	232.0	.9	.7	.7	11.2	11.0	11.0	65.1	60.0	61.6
49 Philadelphia City ¹¹	1,887.0	1,889.1	1,872.9	(1)	(1)	(1)	70.6	68.4	67.6	397.1	385.8	384.7
50 Pittsburgh	751.9	745.2	738.1	(1)	(1)	(1)	17.6	17.4	17.7	114.2	112.5	111.3
51 Reading	872.8	856.9	847.0	8.3	7.9	7.9	44.8	42.3	43.1	184.7	168.2	167.0
52 Sharon	133.5	133.6	135.1	(1)	(1)	(1)	4.6	4.3	4.4	49.8	50.0	51.3
53 State College	42.1	39.4	39.1	(1)	(1)	(1)	1.2	1.0	1.0	12.6	10.5	10.3
54 Williamsport	43.3	43.2	44.2	—	—	—	1.6	1.4	1.3	7.3	7.0	7.1
55 York	45.1	42.6	42.4	(1)	(1)	(1)	1.3	1.2	1.2	15.7	13.4	13.7
56	149.0	144.7	148.0	(1)	(1)	(1)	6.3	6.0	5.9	59.2	54.2	57.5
RHODE ISLAND												
57 Providence—Warwick—Pawtucket	392.7	388.3	392.5	(1)	(1)	(1)	12.6	13.2	13.2	118.0	112.2	118.8
58	395.5	391.3	396.3	(1)	(1)	(1)	12.5	13.4	13.3	129.4	123.3	130.9
SOUTH CAROLINA												
59 Charleston—North Charleston	1,146.4	1,166.1	1,165.3	1.7	1.8	1.8	65.7	69.8	70.1	357.8	353.5	358.5
60 Columbia	152.6	153.4	151.0	—	—	—	11.5	10.8	10.6	19.8	19.3	19.4
61 Greenville—Spartanburg	179.8	180.1	179.1	—	—	—	9.2	10.3	10.3	25.4	25.0	25.4
62	254.5	255.4	253.9	—	—	—	16.4	14.5	15.0	96.7	94.7	95.5

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	
1.4	1.3	1.1	8.4	8.5	8.5	1.1	1.1	1.1	7.4	7.2	7.2	6.0	6.4	6.5	1
10.5	10.1	10.1	60.0	62.6	62.6	14.9	15.3	15.1	70.1	71.4	71.5	36.0	36.2	35.7	2
40.4	41.0	35.3	246.2	253.6	253.4	53.7	53.4	53.4	234.7	243.8	241.1	166.0	168.0	164.1	3
463.6	442.6	397.6	1,400.5	1,412.8	1,408.9	688.4	695.7	696.3	1,709.8	1,742.2	1,738.0	1,061.0	1,079.5	1,071.7	4
312.5	293.1	255.2	945.1	952.1	949.3	569.8	575.8	576.4	1,303.1	1,328.3	1,324.5	761.3	770.6	765.9	5
272.0	252.1	219.9	698.9	698.5	695.9	516.1	522.4	523.1	1,068.6	1,084.7	1,083.6	595.3	602.5	601.8	6
248.3	230.2	203.2	594.0	594.4	592.2	492.5	498.7	499.4	949.8	964.7	963.3	520.2	526.3	526.8	7
3.0	2.9	2.4	16.9	17.3	17.3	3.1	3.2	3.2	19.8	20.6	20.7	23.4	22.6	22.0	8
13.3	12.7	12.5	77.4	80.2	80.2	16.6	16.9	16.7	83.4	84.1	84.1	55.3	55.2	54.6	9
3.6	3.4	3.1	18.4	18.0	17.9	2.9	2.9	3.0	20.2	20.6	20.6	21.1	21.2	20.7	10
14.7	14.6	13.3	57.2	57.4	57.3	17.0	17.4	17.4	51.6	51.5	51.6	47.5	47.0	46.2	11
4.0	3.9	3.2	22.9	23.5	23.5	5.7	5.7	5.7	21.4	21.1	21.2	27.9	27.3	27.1	12
19.5	18.0	13.1	83.4	83.1	82.8	20.2	20.3	20.2	95.3	96.2	96.2	51.0	52.2	51.4	13
116.1	114.9	115.2	480.6	482.5	487.6	98.4	100.8	100.8	363.7	374.2	374.7	353.8	356.4	356.4	14
3.5	3.6	3.6	15.8	15.9	15.9	2.3	2.3	2.3	16.2	16.6	16.5	10.8	10.8	10.7	15
32.4	31.6	31.6	82.7	81.9	82.2	22.7	22.0	21.9	55.6	56.5	56.4	30.8	32.0	31.2	16
20.4	20.5	20.6	78.7	79.1	79.8	18.6	18.5	18.5	58.9	59.9	60.2	39.1	39.6	40.9	17
14.2	14.5	14.5	52.5	53.2	53.5	15.5	15.7	15.7	61.8	63.6	63.9	66.0	68.4	67.7	18
16.8	16.7	15.5	68.6	67.8	68.3	11.9	12.0	12.0	54.5	56.2	56.2	57.0	58.7	57.9	19
4.0	3.7	3.1	18.1	17.9	18.0	3.8	3.8	3.9	14.8	15.5	15.5	11.0	11.4	11.2	20
209.3	199.0	183.8	941.9	931.2	933.2	208.4	210.7	210.8	869.2	884.3	884.2	616.8	623.1	616.7	21
13.3	12.8	11.8	58.9	59.1	59.4	9.4	9.4	9.3	53.8	55.4	55.4	36.2	37.4	37.0	22
6.6	6.1	5.7	34.0	34.2	34.2	6.5	6.5	6.5	31.0	31.6	31.5	17.6	17.1	17.3	23
32.4	31.5	28.8	138.3	137.7	137.7	32.6	32.3	32.2	127.7	131.2	131.2	74.1	73.6	72.8	24
44.0	42.2	37.2	195.9	192.5	192.0	48.9	48.4	48.5	192.9	196.5	196.1	115.9	116.8	115.0	25
23.4	22.2	19.5	120.2	119.5	120.7	41.6	42.9	43.2	110.5	113.5	113.1	95.4	97.1	96.6	26
13.1	12.3	11.2	72.1	70.9	71.1	13.6	13.8	13.8	74.0	75.5	75.9	62.5	62.5	61.8	27
18.2	17.5	16.7	65.2	63.9	64.0	10.8	11.1	11.1	64.3	65.8	66.2	39.3	40.4	39.8	28
8.4	7.9	7.3	44.3	42.8	42.7	7.2	7.3	7.3	39.8	41.3	41.3	21.6	22.2	22.2	29
72.2	68.2	59.7	297.6	298.4	300.8	62.9	64.6	64.7	223.7	230.0	230.9	226.0	237.5	235.0	30
2.8	2.9	2.9	7.8	7.9	7.9	1.2	1.2	1.2	5.0	5.2	5.2	3.6	3.4	3.6	31
1.4	1.5	1.5	7.5	7.5	7.5	1.4	1.5	1.5	5.4	5.5	5.6	9.5	10.8	9.6	32
25.1	25.0	19.5	111.7	113.9	114.8	28.0	28.7	28.6	83.0	86.6	86.3	87.7	88.7	88.0	33
23.3	23.0	20.8	73.7	72.3	72.6	16.6	16.6	16.7	67.9	70.4	69.8	33.4	33.5	33.3	34
56.8	56.0	50.2	241.8	241.3	242.5	65.4	64.6	64.4	187.7	187.3	187.9	177.6	174.4	174.1	35
4.6	4.7	4.4	22.6	22.6	22.8	4.7	4.5	4.4	19.1	18.5	18.5	17.9	17.6	17.4	36
35.8	34.8	30.9	137.5	136.2	136.0	44.0	43.6	43.5	109.0	108.9	108.3	73.9	75.5	75.3	38
2.8	2.6	2.3	17.8	18.0	18.2	5.4	5.5	5.5	14.5	14.3	14.3	24.7	23.5	24.1	39
242.4	236.4	221.5	968.2	973.1	973.0	240.8	243.7	242.9	1,046.8	1,059.2	1,055.6	658.3	657.9	654.7	40
13.4	13.3	12.7	51.0	49.8	49.7	9.6	9.7	9.7	49.7	50.8	51.0	28.0	29.1	28.5	41
4.3	5.4	4.5	10.7	10.1	10.1	1.5	1.5	1.5	9.2	9.5	9.4	7.2	6.9	7.0	42
77.2	74.6	66.9	325.2	333.8	333.0	110.7	110.2	109.7	417.7	425.2	423.9	224.9	224.3	222.6	43
4.7	4.7	4.7	21.7	21.3	21.5	4.8	4.8	4.9	23.4	24.6	24.6	11.7	11.9	11.7	44
16.1	15.4	14.9	45.8	46.4	47.2	13.0	13.3	13.3	43.6	44.9	45.0	54.6	55.0	54.9	45
4.8	4.6	4.6	15.4	14.8	14.8	4.0	4.0	4.0	16.5	16.8	16.9	13.6	12.4	12.4	46
6.4	6.2	6.0	34.8	35.2	35.2	5.7	5.5	5.5	27.9	28.2	28.0	12.0	12.6	12.6	47
12.8	12.2	11.5	49.8	50.7	50.9	10.2	10.4	10.4	51.5	51.2	51.2	35.7	35.5	34.7	48
92.7	90.4	81.1	415.4	424.1	423.3	128.1	127.9	127.6	491.3	499.9	498.5	291.8	292.6	290.1	49
49.4	48.0	43.4	135.3	136.6	135.9	65.6	65.0	64.3	218.9	220.2	220.0	150.9	145.5	145.5	50
51.2	48.4	45.4	206.4	204.0	202.3	47.5	47.8	47.3	226.0	229.1	226.8	103.9	109.2	107.2	51
6.1	6.0	5.7	27.4	27.3	27.6	6.3	6.4	6.5	24.9	24.7	24.9	14.4	14.9	14.7	52
2.8	2.5	2.5	9.5	9.4	9.4	1.4	1.4	1.4	9.6	9.5	9.5	5.0	5.1	5.0	53
1.1	1.1	1.0	8.3	8.6	8.5	1.4	1.5	1.4	6.5	6.5	6.5	16.7	16.8	18.1	54
2.1	2.1	1.9	9.5	9.3	9.3	2.2	2.2	2.2	8.4	8.6	8.6	5.9	5.8	5.5	55
7.0	6.8	6.9	33.1	33.6	33.7	4.1	4.2	4.2	23.0	23.3	23.2	16.3	16.6	16.6	56
13.1	12.8	10.6	79.4	80.0	80.2	21.3	21.4	21.5	90.5	91.7	91.6	57.8	57.0	56.6	57
12.5	12.4	10.1	77.9	78.5	78.7	21.1	21.2	21.2	87.5	89.1	89.2	54.6	53.4	52.9	58
54.2	56.3	52.9	235.5	237.2	238.5	50.9	52.9	53.1	170.9	180.8	180.1	209.7	213.8	210.3	59
9.6	9.1	9.0	34.6	35.4	35.5	7.1	7.4	7.3	26.7	27.4	27.2	43.3	44.0	42.0	60
9.8	9.4	8.3	37.7	37.8	38.0	14.5	14.7	14.7	30.8	30.1	29.7	52.1	52.5	52.4	61
9.5	9.1	9.1	53.7	54.3	54.2	10.3	10.7	10.7	36.2	39.4	38.2	31.4	32.4	30.9	62

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P
1 SOUTH DAKOTA	230.9	235.0	234.4	1.6	3.0	3.0	9.0	9.7	10.1	25.3	26.2	26.4
2 Sioux Falls	54.0	55.3	55.1	(2)	(2)	(2)	2.2	2.5	2.6	8.1	8.6	8.7
3 TENNESSEE	1,681.6	1,671.5	1,679.1	10.3	8.7	8.6	72.4	66.6	67.1	467.4	466.7	474.9
4 Chattanooga	163.0	159.2	161.7	1.6	1.3	1.4	5.9	6.5	6.8	42.8	40.6	42.3
5 Knoxville	206.4	200.0	200.2	1.6	1.3	1.3	9.5	9.8	9.8	49.9	49.0	49.2
6 Memphis	343.9	341.8	340.7	.1	.2	.2	12.2	11.8	12.0	53.7	51.9	52.0
7 Nashville—Davidson	364.2	360.1	359.3	(1)	(1)	(1)	19.5	19.5	19.5	77.1	75.5	78.0
8 TEXAS	6,248.1	6,158.1	6,109.9	309.8	290.4	289.4	429.0	394.9	392.9	1,038.7	999.8	1,000.2
9 Abilene	59.0	59.6	59.9	5.0	5.1	5.1	3.6	3.6	3.6	6.4	5.9	6.1
10 Amarillo	74.3	78.1	77.7	(1)	(1)	(1)	3.7	3.3	3.2	10.1	11.0	11.0
11 Austin	257.1	264.6	262.6	(1)	(1)	(1)	14.2	15.3	15.3	33.5	33.3	33.4
12 Beaumont—Port Arthur—Orange	146.3	143.6	141.8	(1)	(1)	(1)	11.5	10.5	9.9	33.4	34.0	33.7
13 Brownsville—Hartingen—San Benito	62.3	57.8	58.5	(1)	(1)	(1)	4.1	3.2	3.2	10.0	8.7	8.8
14 Bryan—College Station	42.2	41.8	42.0	1.8	1.5	1.5	3.2	2.9	2.8	3.1	3.1	3.2
15 Corpus Christi	135.8	133.9	133.3	9.5	8.9	9.0	12.8	12.1	12.0	15.5	15.1	15.1
16 Dallas—Fort Worth	1,539.2	1,574.4	1,565.0	33.1	33.2	33.2	88.5	87.2	87.5	312.9	312.5	311.0
17 El Paso	166.4	165.0	164.7	(1)	(1)	(1)	7.9	7.9	7.9	37.6	38.2	38.6
18 Galveston—Texas City	70.0	67.4	66.3	(1)	(1)	(1)	4.6	4.8	4.7	11.7	11.0	10.4
19 Houston	1,594.7	1,542.2	1,525.6	107.4	105.4	105.5	146.7	136.3	132.5	254.8	225.0	224.7
20 Killeen—Temple	60.1	61.7	62.0	(1)	(1)	(1)	3.2	3.5	3.7	8.1	8.4	8.7
21 Laredo	34.8	29.1	28.7	(1)	(1)	(1)	2.1	1.3	1.3	1.9	1.7	1.7
22 Longview—Marshall	70.1	67.6	67.0	(1)	(1)	(1)	5.0	4.6	4.5	17.3	16.0	16.0
23 Lubbock	88.0	88.4	87.1	(1)	(1)	(1)	4.4	4.3	4.3	11.6	11.0	10.9
24 McAllen—Pharr—Edinburg	76.9	73.7	73.9	1.6	1.7	1.6	6.1	5.6	5.8	8.3	8.9	8.8
25 Midland	52.5	52.3	52.1	13.8	12.8	12.8	4.7	4.5	4.5	4.3	4.0	3.9
26 Odessa	59.2	55.2	54.6	8.2	8.0	8.0	6.6	5.3	5.1	7.8	6.1	6.1
27 San Angelo	36.3	35.5	35.4	.9	.7	.7	2.2	2.2	2.1	6.1	5.3	5.3
28 San Antonio	415.6	431.8	428.8	3.4	3.4	3.5	27.8	29.2	29.3	49.4	49.3	49.4
29 Sherman—Denison	34.2	33.5	33.5	.2	.2	.2	1.4	1.4	1.4	10.9	11.0	11.0
30 Texarkana	44.8	45.4	45.4	.2	.2	.2	1.8	2.6	2.5	8.4	8.2	8.1
31 Tyler	54.8	56.0	55.8	3.4	3.1	3.1	2.4	2.5	2.6	10.9	10.8	10.8
32 Waco	69.5	71.5	71.1	(1)	(1)	(1)	3.5	3.9	4.0	14.3	15.2	15.1
33 Wichita Falls	53.2	52.8	53.1	3.6	3.2	3.3	2.2	2.1	2.1	9.3	8.9	9.1
34 UTAH	558.4	558.9	558.2	17.7	14.1	14.3	29.9	29.2	29.8	85.7	85.4	86.6
35 Salt Lake City—Ogden	393.3	396.5	395.1	6.1	5.8	5.8	19.5	19.1	19.5	59.3	59.3	59.9
36 VERMONT	203.8	203.7	204.4	.7	.7	.7	11.6	12.1	12.7	49.6	47.9	48.9
37 Burlington ^{1a}	60.1	60.2	60.0	-	-	-	-	-	-	16.2	15.9	15.8
38 Springfield ^{1a}	14.0	12.8	13.1	-	-	-	-	-	-	5.4	4.2	4.4
39 VIRGINIA	2,134.2	2,162.6	2,152.8	22.4	20.9	21.2	104.6	110.3	111.5	397.2	403.9	404.4
40 Bristol	26.7	25.9	26.4	(1)	(1)	(1)	.9	1.0	1.0	9.1	7.8	8.3
41 Lynchburg	68.4	68.0	68.3	(1)	(1)	(1)	2.6	2.8	2.8	26.0	26.1	26.3
42 Newport News—Hampton	154.3	161.1	160.3	(1)	(1)	(1)	6.5	6.5	6.4	37.1	40.2	39.9
43 Norfolk—Virginia Beach—Portsmouth	289.9	300.7	298.8	(1)	(1)	(1)	16.7	18.9	19.0	27.4	26.3	25.7
44 Northern Virginia ^{1a}	479.1	494.8	492.8	.6	.6	.6	25.1	28.1	28.3	22.3	24.4	24.6
45 Petersburg—Colonial Hgts.—Hopewell	42.9	42.5	42.3	(1)	(1)	(1)	1.9	2.2	2.1	9.2	8.0	8.2
46 Richmond	321.4	325.4	321.2	.3	.3	.3	16.2	16.1	16.2	55.2	55.1	54.1
47 Roanoke	101.9	105.2	104.5	.1	.1	.1	5.1	5.3	5.4	19.3	20.3	20.1
48 WASHINGTON	1,558.9	1,576.8	1,564.3	3.1	2.9	2.9	78.8	80.1	81.3	290.5	279.3	277.1
49 WEST VIRGINIA	613.2	590.8	590.4	61.0	49.4	50.7	30.5	27.6	28.4	97.0	91.0	91.6
50 Charleston	109.7	104.7	103.2	5.9	4.3	4.4	5.9	5.3	5.5	15.9	14.0	13.8
51 Huntington—Ashland	98.3	93.9	93.6	1.0	.9	.8	5.7	5.0	5.0	21.1	19.1	19.2
52 Parkersburg—Martetta	57.3	55.5	55.8	1.5	1.1	1.1	3.6	3.3	3.4	14.9	14.6	14.9
53 Wheeling	62.3	58.5	58.0	4.8	2.8	2.8	2.8	2.6	2.7	9.3	8.4	8.2
54 WISCONSIN	1,873.0	1,855.3	1,849.6	2.1	2.5	2.5	55.5	52.9	53.8	505.4	490.9	488.5
55 Appleton—Oshkosh	121.5	120.4	121.3	(1)	(1)	(1)	4.6	4.4	4.4	44.2	43.9	44.6
56 Eau Claire	46.0	47.4	46.7	(1)	(1)	(1)	1.2	1.2	1.2	8.7	9.1	9.0
57 Green Bay	79.8	78.2	79.5	(1)	(1)	(1)	3.3	2.8	3.1	22.5	21.8	22.3
58 Janesville—Beloit	45.4	49.7	46.7	(1)	(1)	(1)	1.1	.9	.9	14.5	18.3	15.6
59 Kenosha	41.8	41.7	41.7	(1)	(1)	(1)	1.7	1.4	1.5	16.6	17.7	17.9
60 La Crosse	44.1	45.0	45.0	(1)	(1)	(1)	1.1	1.0	1.1	10.2	9.8	9.9
61 Madison	168.7	168.7	169.7	(1)	(1)	(1)	5.4	4.8	5.3	19.9	19.5	19.7
62 Milwaukee	627.9	610.0	602.0	(1)	(1)	(1)	15.4	13.7	13.8	170.0	160.2	154.3
63 Racine	60.8	60.2	60.1	(1)	(1)	(1)	1.8	1.2	1.3	22.3	22.7	22.6

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	
12.5	12.0	11.1	63.9	63.5	64.1	12.1	12.1	12.1	54.7	54.2	55.0	51.8	54.3	52.6	1
4.6	4.6	4.0	15.3	15.7	15.7	4.0	4.1	4.1	14.1	13.9	14.1	5.7	5.9	5.9	2
82.7	82.3	80.6	366.8	365.4	364.7	80.6	79.7	80.4	323.1	322.5	322.4	278.3	279.6	280.4	3
7.6	7.2	6.9	35.7	35.6	36.3	10.1	10.7	10.7	29.1	28.7	28.6	30.2	28.6	28.7	4
8.3	7.5	7.6	46.0	44.9	45.0	9.0	8.2	8.2	38.7	37.4	37.3	43.4	41.9	41.8	5
26.2	25.4	24.7	94.7	94.8	95.0	19.5	20.3	20.3	79.2	78.9	78.7	58.3	58.5	57.8	6
19.3	18.7	18.1	88.3	86.4	84.3	25.4	25.2	25.2	75.4	77.1	75.4	59.2	57.7	58.7	7
387.8	379.7	338.2	1,549.2	1,531.2	1,538.9	368.0	375.0	375.0	1,167.7	1,172.1	1,168.6	997.9	1,015.0	1,006.7	8
3.3	3.3	3.1	15.4	15.6	15.9	3.2	3.1	3.2	13.4	13.7	13.8	8.7	9.3	9.1	9
6.5	6.5	5.9	22.4	24.2	24.3	4.0	4.2	4.2	16.4	16.8	16.8	11.2	12.1	12.3	10
8.0	7.7	5.7	59.3	61.7	61.9	17.4	17.3	17.3	53.1	54.5	54.9	71.6	74.8	74.1	11
12.8	12.6	11.6	34.1	34.0	34.1	5.8	5.8	5.7	28.9	28.7	28.7	19.8	18.0	18.1	12
4.0	3.5	3.2	18.8	17.4	17.6	3.0	3.0	3.0	10.6	10.4	10.6	11.8	11.6	11.7	13
1.9	2.0	2.1	9.2	8.9	9.2	1.8	1.8	1.8	5.7	6.0	6.0	15.5	15.6	15.4	14
8.0	7.3	6.3	33.5	33.1	33.3	6.5	6.6	6.5	25.0	24.1	24.3	25.0	26.7	26.8	15
97.9	99.5	88.6	417.2	427.8	429.5	118.7	121.9	122.3	300.9	320.0	320.6	170.0	172.3	172.3	16
10.8	10.5	9.8	41.9	39.9	39.9	7.8	7.8	7.8	27.1	27.6	27.5	33.3	33.1	33.2	17
6.5	6.5	6.0	13.4	13.1	13.2	4.6	4.4	4.4	11.6	11.4	11.4	17.6	16.2	16.2	18
111.0	107.4	97.8	379.1	366.8	365.7	101.7	103.5	103.1	326.4	327.4	326.2	167.6	170.4	170.1	19
3.2	3.3	3.1	13.9	13.8	13.8	2.2	2.3	2.3	11.1	11.4	11.3	18.4	19.0	19.1	20
3.9	3.3	3.1	12.4	9.4	9.2	1.5	1.5	1.4	6.5	5.7	5.8	6.5	6.2	6.2	21
3.7	3.9	3.5	17.6	17.2	17.3	2.8	2.9	2.9	16.3	15.8	15.6	7.4	7.2	7.2	22
4.6	4.7	4.0	25.9	25.9	26.0	5.0	5.2	5.2	17.4	18.0	17.5	19.1	19.3	19.2	23
2.8	2.6	2.6	26.0	22.1	22.3	3.1	3.2	3.2	10.0	9.8	9.8	19.0	19.8	19.8	24
3.1	3.1	2.6	10.7	11.4	11.6	3.3	3.5	3.6	8.4	8.7	8.8	4.2	4.3	4.3	25
3.1	2.8	2.4	16.3	14.8	14.9	2.3	2.4	2.4	8.4	8.5	8.5	6.5	7.3	7.2	26
3.8	3.7	3.7	8.7	8.8	8.9	1.4	1.5	1.5	7.3	7.3	7.3	5.9	6.0	5.9	27
18.4	19.1	15.2	108.3	113.2	114.8	29.0	30.1	30.0	90.0	94.3	94.1	89.3	93.2	92.5	28
2.3	2.3	2.2	7.3	7.1	7.1	1.2	1.2	1.2	6.0	5.6	5.7	4.9	4.7	4.7	29
2.2	2.0	2.0	10.8	11.1	11.3	1.6	1.6	1.6	7.5	7.4	7.4	12.3	12.2	12.3	30
2.7	2.8	2.5	14.2	15.1	15.1	3.0	3.2	3.2	11.1	11.2	11.2	7.1	7.3	7.3	31
3.4	3.2	2.8	17.0	17.6	17.6	4.4	4.6	4.5	15.9	15.3	15.6	11.0	11.7	11.5	32
3.1	3.0	2.9	13.4	13.4	13.5	2.5	2.6	2.6	9.0	9.3	9.3	10.1	10.3	10.3	33
36.2	35.9	32.1	132.9	132.0	133.0	26.6	27.3	27.4	108.6	111.1	111.3	120.8	123.7	123.7	34
28.1	28.2	25.0	97.2	95.8	96.5	21.5	22.3	22.5	75.1	77.3	77.6	86.5	88.7	88.3	35
8.9	8.9	7.8	43.6	43.7	43.9	8.4	9.0	9.0	48.0	48.5	48.8	33.0	32.9	32.6	36
2.4	2.5	2.3	12.8	12.6	12.6	-	-	-	13.1	13.5	13.4	-	-	-	37
.7	.7	.6	2.4	2.4	2.4	-	-	-	2.8	2.7	2.9	-	-	-	38
117.6	117.8	106.4	457.1	462.3	463.7	106.5	111.3	111.5	434.4	446.7	444.9	494.4	489.4	489.2	39
1.1	1.1	1.1	6.5	6.6	6.7	.9	1.0	1.0	3.5	3.6	3.6	4.7	4.7	4.7	40
2.8	2.7	2.5	12.0	12.0	12.2	3.4	3.5	3.5	12.1	12.0	12.0	9.5	8.9	8.9	41
5.1	5.1	4.5	31.6	33.1	33.2	4.8	4.9	4.9	31.3	33.1	33.4	37.9	38.2	38.1	42
19.7	20.8	18.9	71.3	74.8	75.2	14.9	15.4	15.4	63.7	64.5	64.5	76.3	80.1	80.2	43
33.9	35.0	31.9	108.5	114.9	115.5	29.4	31.0	31.0	135.3	139.2	138.7	124.0	121.4	122.2	44
1.3	1.2	1.0	8.3	8.4	8.4	1.2	1.2	1.2	7.2	7.6	7.5	13.9	13.9	13.9	45
19.6	19.2	15.8	76.7	77.8	78.8	27.0	27.7	27.5	60.7	62.3	61.9	65.8	67.0	66.6	46
9.7	9.5	8.7	25.2	26.0	26.1	6.1	6.2	6.2	21.6	22.3	22.4	14.7	15.5	15.5	47
91.3	91.2	82.1	386.8	396.9	397.3	91.4	93.2	93.6	319.6	329.3	329.9	297.4	303.9	300.1	48
41.7	39.6	35.7	129.3	127.6	127.5	22.2	22.0	21.9	104.6	101.6	101.7	127.0	132.1	132.9	49
9.1	8.6	6.7	25.8	25.2	25.5	5.0	4.8	4.8	21.6	21.3	21.2	20.5	21.2	21.1	50
8.6	8.1	7.5	23.8	23.0	23.0	3.6	3.7	3.5	15.7	15.5	15.4	18.6	18.6	19.0	51
2.3	2.2	2.0	13.4	12.6	12.6	2.1	2.0	2.1	10.3	10.4	10.4	9.3	9.3	9.3	52
3.7	3.5	3.2	14.9	14.5	14.6	2.9	2.9	2.8	14.7	14.3	14.3	9.1	9.4	9.5	53
84.4	81.4	76.3	435.6	433.7	438.1	98.5	99.9	99.7	391.3	392.1	393.8	300.3	301.9	296.9	54
4.1	4.0	3.5	25.4	24.7	25.3	5.8	6.0	6.1	22.0	22.4	22.4	15.4	15.1	15.0	55
2.6	2.6	2.3	12.5	13.2	13.2	1.7	1.7	1.7	10.0	10.0	10.0	9.3	9.6	9.2	56
6.1	6.2	6.0	20.2	20.0	20.4	2.6	2.7	2.7	15.4	15.7	16.1	9.7	9.1	9.1	57
2.4	2.6	2.5	10.8	10.8	11.0	1.4	1.4	1.4	8.8	9.0	9.0	6.5	6.6	6.3	58
1.2	1.1	1.1	8.2	7.7	7.7	1.0	1.0	1.0	7.5	7.2	7.2	5.7	5.7	5.3	59
1.9	1.8	1.8	11.7	12.1	12.3	1.1	1.1	1.1	11.9	12.6	12.6	6.2	6.5	6.2	60
6.2	6.0	5.4	36.8	37.2	37.6	14.0	13.8	13.8	33.4	34.0	34.4	53.0	53.5	53.5	61
31.5	30.9	28.7	139.1	138.4	139.3	41.1	41.0	40.9	150.2	149.9	150.4	80.6	75.9	74.6	62
2.3	2.3	2.1	13.0	12.7	12.7	2.3	2.3	2.3	11.2	11.1	11.2	7.9	8.0	7.9	63

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P
1 WYOMING	218.2	214.1	213.3	37.3	36.3	37.1	20.2	26.0	24.2	9.2	9.5	9.5
2 PUERTO RICO	619.8	619.8	615.8	.8	.7	.7	23.0	20.2	20.8	139.5	141.5	141.9
3 Caguas	25.9	26.4	25.9	(*)	(*)	(*)	(*)	(*)	(*)	8.7	8.6	8.5
4 Mayaguez	35.8	37.3	36.5	(*)	(*)	(*)	(*)	(*)	(*)	13.1	13.9	13.8
5 Ponce	44.8	43.9	43.1	(*)	(*)	(*)	2.1	3.0	2.9	10.3	8.7	8.5
6 San Juan	323.1	317.0	315.9	(1)	(1)	(1)	16.5	12.9	13.8	31.7	30.8	30.8
7 VIRGIN ISLANDS	36.7	36.2	35.6	(2)	(2)	(2)	3.0	2.9	2.8	2.7	2.4	2.4

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	
17.8	16.5	16.2	50.6	47.8	47.9	7.8	7.6	7.7	36.7	32.4	32.6	38.6	38.0	38.1	1
14.1	13.5	14.1	104.6	100.7	101.0	28.9	29.5	29.1	82.1	76.6	79.5	226.8	237.1	228.6	2
(*)	(*)	(*)	5.0	4.9	4.9	(*)	(*)	(*)	(*)	(*)	(*)	8.5	9.2	8.9	3
(*)	(*)	(*)	4.8	4.3	4.7	(*)	(*)	(*)	(*)	(*)	(*)	12.9	14.0	12.9	4
(*)	(*)	(*)	7.1	7.0	6.9	(*)	(*)	(*)	7.2	6.4	6.6	15.6	15.9	15.3	5
11.1	11.0	10.7	66.2	63.9	63.7	22.2	22.9	22.4	56.2	53.0	55.3	119.1	122.4	119.3	6
2.1	2.1	2.2	6.7	6.6	6.4	1.5	1.5	1.5	5.5	5.8	5.7	14.7	14.9	14.6	7

¹ Combined with services.

² Combined with construction.

³ Area included in Chicago—Gary Standard Consolidated Statistical Area.

⁴ Subarea of Baltimore Standard Metropolitan Statistical Area.

⁵ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

⁶ Subarea of New York—Northeastern New Jersey.

⁷ Subarea of Rochester Standard Metropolitan Statistical Area.

⁸ Area included in New York and Nassau—Suffolk combined SMSA's.

⁹ Subarea of New York Standard Metropolitan Statistical Area.

¹⁰ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

¹¹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.

¹² Total includes data for industry divisions not shown separately.

¹³ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

p=preliminary.

*Not available.

NOTE: All State and area data have been adjusted to March 1982 benchmarks except Alaska and Wisconsin.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls by industry

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
-	TOTAL PRIVATE	\$271.04	\$270.05	\$283.20	\$281.08	\$286.28	\$7.70	\$7.76	\$8.00	\$7.98	\$8.11
-	MINING	461.31	461.58	475.31	480.38	486.49	10.88	10.99	11.29	11.25	11.34
10	METAL MINING	451.04	448.57	490.72	498.89	-	12.29	12.53	12.68	12.63	-
101	Iron ores	441.61	527.41	462.00	458.28	-	12.37	13.42	12.19	12.06	-
102	Copper ores	472.12	480.74	505.21	520.07	-	12.76	13.28	13.33	13.10	-
11, 12	COAL MINING	504.90	499.97	539.93	553.81	-	12.88	13.02	-	13.88	-
12	BITUMINOUS COAL AND LIGNITE MINING	506.46	501.50	543.88	556.80	-	12.92	13.06	-	13.92	-
13	OIL AND GAS EXTRACTION	457.88	458.67	463.31	463.84	-	10.43	10.52	10.70	10.59	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	486.71	514.68	526.11	516.15	-	11.90	12.11	12.35	12.26	-
138	Oil and gas field services	446.85	437.91	435.13	439.66	-	9.93	9.93	9.98	9.88	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	392.47	395.08	409.85	415.71	-	8.94	9.02	9.21	9.30	-
142	Crushed and broken stone	386.71	386.30	400.00	400.88	-	8.69	8.72	8.83	8.83	-
-	CONSTRUCTION	438.42	433.21	450.00	449.92	456.44	11.66	11.74	11.78	11.84	11.98
15	GENERAL BUILDING CONTRACTORS	391.09	387.68	394.20	396.50	-	10.57	10.68	10.54	10.63	-
152	Residential building construction	356.85	355.22	351.81	356.97	-	9.75	9.84	9.56	9.78	-
153	Operative builders	314.77	313.79	360.67	387.17	-	8.24	8.39	8.44	8.88	-
154	Nonresidential building construction	424.08	420.12	437.70	435.78	-	11.40	11.51	11.61	11.59	-
16	HEAVY CONSTRUCTION CONTRACTORS	476.60	467.93	500.76	495.60	-	11.54	11.64	11.98	12.00	-
161	Highway and street construction	443.70	429.93	469.85	463.90	-	10.44	10.41	10.63	10.64	-
162	Heavy construction, except highway	490.44	484.34	514.40	510.94	-	12.05	12.20	12.67	12.71	-
17	SPECIAL TRADE CONTRACTORS	444.81	439.62	455.59	458.19	-	12.22	12.28	12.28	12.35	-
171	Plumbing, heating, air conditioning	462.02	459.12	470.15	472.15	-	12.42	12.51	12.38	12.36	-
172	Painting, paper hanging, decorating	391.65	388.47	407.40	410.34	-	11.19	11.26	11.38	11.43	-
173	Electrical work	526.08	506.74	533.40	549.41	-	13.70	13.77	14.00	14.16	-
174	Masonry, stonework, and plastering	418.14	414.19	427.13	430.05	-	12.05	12.04	12.10	12.08	-
175	Carpentering and flooring	384.07	381.82	398.03	403.90	-	11.23	11.33	11.34	11.54	-
176	Roofing and sheet metal work	358.57	361.26	389.82	379.91	-	10.64	10.72	10.95	10.98	-
-	MANUFACTURING	331.89	334.15	354.40	353.36	362.64	8.51	8.59	8.86	8.79	8.91
24, 25, 32-39	DURABLE GOODS	356.33	357.63	379.76	379.20	390.99	9.09	9.17	9.40	9.34	9.49
20-23, 26-31	NONDURABLE GOODS	299.54	304.19	319.53	319.59	324.40	7.74	7.84	8.11	8.05	8.11
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	293.33	296.06	313.58	318.68	317.93	7.56	7.65	7.82	7.83	7.85
241	Logging camps and logging contractors	393.57	407.00	407.20	425.17	-	10.04	10.33	10.18	10.37	-
242	Sawmills and planing mills	307.33	304.19	338.25	335.77	-	7.82	7.84	8.25	8.13	-
2421	Sawmills and planing mills, general	324.30	321.31	358.03	356.07	-	8.21	8.26	8.69	8.58	-
2428	Hardwood dimension and flooring	205.29	206.66	222.40	221.50	-	5.36	5.34	5.56	5.51	-
243	Millwork, plywood, and structural members	286.03	290.61	303.67	314.11	-	7.41	7.49	7.63	7.68	-
2431	Millwork	290.66	296.40	312.78	330.26	-	7.53	7.60	7.80	7.92	-
2434	Wood kitchen cabinets	247.38	253.34	267.63	281.76	-	6.65	6.72	6.88	6.94	-
2435	Hardwood veneer and plywood	220.22	225.41	238.55	250.31	-	5.78	5.87	6.07	6.15	-
2436	Softwood veneer and plywood	365.42	370.00	377.34	374.26	-	9.09	9.25	9.41	9.38	-
244	Wood containers	210.69	214.12	214.18	212.46	-	5.53	5.62	5.52	5.49	-
245	Wood buildings and mobile homes	246.05	248.42	265.99	271.44	-	6.65	6.66	6.70	6.82	-
2451	Mobile homes	242.14	245.43	268.40	274.69	-	6.58	6.58	6.71	6.85	-
249	Miscellaneous wood products	245.31	247.02	263.48	264.62	-	6.29	6.35	6.62	6.55	-
25	FURNITURE AND FIXTURES	242.70	241.28	258.69	266.13	268.80	6.37	6.40	6.65	6.67	6.72
251	Household furniture	219.54	219.48	234.08	240.73	-	5.87	5.90	6.08	6.11	-
2511	Wood household furniture	198.69	197.64	215.95	220.18	-	5.37	5.40	5.58	5.56	-
2512	Upholstered household furniture	230.58	231.21	241.13	249.98	-	6.30	6.30	6.43	6.51	-
2514	Metal household furniture	249.88	252.00	252.55	260.50	-	6.31	6.30	6.41	6.48	-
2515	Mattresses and bedsprings	249.33	252.40	270.27	287.23	-	6.51	6.59	7.02	7.04	-
252	Office furniture	261.59	254.00	287.62	301.02	-	6.83	6.94	7.30	7.36	-
253	Public building and related furniture	283.81	283.18	292.18	296.84	-	7.06	6.84	7.25	7.24	-
254	Partitions and fixtures	302.63	309.68	326.63	328.43	-	7.74	7.84	8.29	8.17	-
259	Miscellaneous furniture and fixtures	285.93	276.75	294.52	308.67	-	7.06	7.06	7.29	7.42	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
-	TOTAL PRIVATE	35.2	34.8	35.4	35.4	35.3	-	-	-	-	-
-	MINING	42.4	42.0	42.1	42.7	42.9	-	-	-	-	-
10	METAL MINING	36.7	35.8	38.7	39.5	-	-	-	-	-	
101	Iron ores	35.7	39.3	37.9	38.0	-	-	-	-	-	
102	Copper ores	37.0	36.2	37.9	39.7	-	-	-	-	-	
11, 12	COAL MINING	39.2	38.4	-	39.9	-	-	-	-	-	
12	BITUMINOUS COAL AND LIGNITE MINING	39.2	38.4	-	40.0	-	-	-	-	-	
13	OIL AND GAS EXTRACTION	43.9	43.6	43.3	43.8	-	-	-	-	-	
131, 2	Crude petroleum, natural gas, and natural gas liquids	40.9	42.5	42.6	42.1	-	-	-	-	-	
138	Oil and gas field services	45.0	44.1	43.6	44.5	-	-	-	-	-	
14	NONMETALLIC MINERALS, EXCEPT FUELS	43.9	43.8	44.5	44.7	-	-	-	-	-	
142	Crushed and broken stone	44.5	44.3	45.3	45.4	-	-	-	-	-	
-	CONSTRUCTION	37.6	36.9	38.2	38.0	38.1	-	-	-	-	
15	GENERAL BUILDING CONTRACTORS	37.0	36.3	37.4	37.3	-	-	-	-	-	
152	Residential building construction	36.6	36.1	36.8	36.5	-	-	-	-	-	
153	Operative builders	38.2	37.4	40.8	43.6	-	-	-	-	-	
154	Nonresidential building construction	37.2	36.5	37.7	37.6	-	-	-	-	-	
16	HEAVY CONSTRUCTION CONTRACTORS	41.3	40.2	41.8	41.3	-	-	-	-	-	
161	Highway and street construction	42.5	41.3	44.2	43.6	-	-	-	-	-	
162	Heavy construction, except highway	40.7	39.7	40.6	40.2	-	-	-	-	-	
17	SPECIAL TRADE CONTRACTORS	36.4	35.8	37.1	37.1	-	-	-	-	-	
171	Plumbing, heating, air conditioning	37.2	36.7	38.1	38.2	-	-	-	-	-	
172	Painting, paper hanging, decorating	35.0	34.5	35.8	35.9	-	-	-	-	-	
173	Electrical work	38.4	36.8	38.1	38.8	-	-	-	-	-	
174	Masonry, stonework, and plastering	34.7	34.4	35.3	35.6	-	-	-	-	-	
175	Carpentering and flooring	34.2	33.7	35.1	35.0	-	-	-	-	-	
176	Roofing and sheet metal work	33.7	33.7	35.6	34.6	-	-	-	-	-	
-	MANUFACTURING	39.0	38.9	40.0	40.2	40.7	2.4	2.5	3.0	3.2	
24, 25, 32-39	DURABLE GOODS	39.2	39.0	40.4	40.6	41.2	2.2	2.2	2.9	3.1	
20-23, 26-31	NONDURABLE GOODS	38.7	38.8	39.4	39.7	40.0	2.7	2.9	3.0	3.3	
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	38.8	38.7	40.1	40.7	40.5	2.5	2.5	3.3	3.5	
241	Logging camps and logging contractors	39.2	39.4	40.0	41.0	-	3.3	3.2	3.5	3.6	
242	Sawmills and planing mills	39.3	38.8	41.0	41.3	-	3.1	3.2	4.0	4.0	
2421	Sawmills and planing mills, general	39.5	38.9	41.2	41.5	-	3.4	3.4	4.2	4.2	
2426	Hardwood dimension and flooring	38.3	38.7	40.0	40.2	-	2.0	2.2	3.0	3.2	
243	Millwork, plywood, and structural members	38.6	38.8	39.8	40.9	-	2.2	2.2	3.2	3.8	
2431	Millwork	38.6	39.0	40.1	41.7	-	1.6	1.5	2.7	3.5	
2434	Wood kitchen cabinets	37.2	37.7	38.9	40.6	-	1.6	1.4	2.7	3.8	
2435	Hardwood veneer and plywood	38.1	38.4	39.3	40.7	-	2.2	2.2	3.1	3.7	
2436	Softwood veneer and plywood	40.2	40.0	40.1	39.9	-	3.3	3.8	4.1	3.9	
244	Wood containers	38.1	38.1	38.8	38.7	-	1.9	2.1	2.1	1.9	
245	Wood buildings and mobile homes	37.0	37.3	39.7	39.8	-	1.4	1.5	2.9	2.9	
2451	Mobile homes	36.8	37.3	40.0	40.1	-	1.4	1.6	3.1	3.0	
249	Miscellaneous wood products	39.0	38.9	39.8	40.4	-	2.1	2.0	2.5	2.6	
25	FURNITURE AND FIXTURES	38.1	37.7	38.9	39.9	40.0	1.7	1.7	2.2	2.6	
251	Household furniture	37.4	37.2	38.5	39.4	-	1.4	1.4	1.8	2.3	
2511	Wood household furniture	37.0	36.6	38.7	39.6	-	1.5	1.5	2.0	2.4	
2512	Upholstered household furniture	36.6	36.7	37.5	38.4	-	.8	.9	1.1	1.5	
2514	Metal household furniture	39.6	40.0	39.4	40.2	-	2.1	2.3	2.5	2.5	
2515	Mattresses and bedspreads	38.3	38.3	38.5	40.8	-	1.9	1.7	2.2	3.8	
252	Office furniture	38.3	36.6	39.4	40.9	-	2.2	1.6	2.5	2.8	
253	Public building and related furniture	40.2	41.4	40.3	41.0	-	3.0	3.1	3.1	3.9	
254	Partitions and fixtures	39.1	39.5	39.4	40.2	-	2.7	2.8	3.2	3.3	
259	Miscellaneous furniture and fixtures	40.5	39.2	40.4	41.6	-	1.6	1.8	2.4	2.4	

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
32	STONE, CLAY, AND GLASS PRODUCTS	\$362.15	\$365.72	\$391.35	\$391.53	\$397.20	\$8.92	\$9.03	\$9.34	\$9.30	\$9.39
321	Flat glass	491.73	516.43	540.76	563.30	-	11.68	12.18	12.46	12.63	-
322	Glass and glassware, pressed or blown	381.10	382.80	411.64	408.00	-	9.48	9.57	10.04	10.00	-
3221	Glass containers	406.14	399.00	428.67	429.50	-	9.93	10.00	10.43	10.45	-
3229	Pressed and blown glass, nec	343.69	358.90	387.60	377.21	-	8.79	8.95	9.50	9.36	-
323	Products of purchased glass	324.39	334.49	325.61	327.95	-	8.13	8.30	8.02	7.96	-
324	Cement, hydraulic	517.90	529.17	556.36	557.40	-	12.54	12.69	13.31	13.24	-
325	Structural clay products	283.69	285.60	305.37	310.90	-	7.11	7.14	7.43	7.42	-
326	Pottery and related products	289.06	284.99	292.53	305.75	-	7.45	7.48	7.78	7.86	-
327	Concrete, gypsum, and plaster products	368.80	367.79	402.96	401.21	-	8.76	8.82	9.20	9.16	-
3271	Concrete block and brick	340.42	336.34	350.37	352.05	-	7.79	7.84	7.65	7.67	-
3272	Concrete products, nec	328.32	331.01	338.94	352.72	-	7.78	7.90	8.07	8.09	-
3273	Ready-mixed concrete	399.10	394.69	448.19	433.87	-	9.64	9.65	10.14	10.09	-
329	Misc. nonmetallic mineral products	342.22	351.95	381.97	381.22	-	8.73	8.91	9.16	9.12	-
3291	Abrasives products	316.35	316.32	356.24	351.24	-	8.62	8.69	8.71	8.63	-
3292	Asbestos products	365.49	353.23	391.90	402.74	-	8.9P	8.92	9.03	9.03	-
33	PRIMARY METAL INDUSTRIES	439.68	438.52	460.49	459.10	470.41	11.48	11.54	11.37	11.28	11.39
331	Blast furnace and basic steel products	509.52	511.01	514.88	510.80	-	13.66	13.70	12.84	12.77	-
3312	Blast furnaces and steel mills	530.21	533.50	530.80	524.04	-	14.33	14.38	13.27	13.20	-
3317	Steel pipe and tubes	400.14	393.35	418.84	430.66	-	10.53	10.66	10.55	10.66	-
332	Iron and steel foundries	358.16	352.96	400.60	393.81	-	9.68	9.67	9.99	9.87	-
3321	Gray iron foundries	370.36	362.48	412.85	407.84	-	9.85	9.85	10.27	10.07	-
3322	Malleable iron foundries	373.69	353.63	416.30	436.65	-	10.21	10.34	10.62	10.65	-
3325	Steel foundries, nec	334.87	334.80	374.77	354.18	-	9.34	9.30	9.44	9.47	-
333	Primary nonferrous metals	532.11	544.45	554.60	551.33	-	13.01	13.51	13.56	13.48	-
3334	Primary aluminum	565.40	580.95	575.87	563.36	-	13.69	14.38	14.08	13.91	-
335	Nonferrous rolling and drawing	412.45	414.56	449.77	455.18	-	10.26	10.39	10.76	10.71	-
3351	Copper rolling and drawing	377.15	350.61	413.33	423.98	-	9.11	8.99	9.59	9.68	-
3353	Aluminum sheet, plate, and foil	545.94	559.55	590.13	596.82	-	13.48	14.13	14.22	14.21	-
3357	Nonferrous wire drawing and insulating	371.30	378.34	412.00	413.00	-	9.40	9.53	10.00	9.81	-
336	Nonferrous foundries	335.94	330.05	355.51	362.85	-	8.57	8.64	8.91	8.85	-
3361	Aluminum foundries	346.33	338.83	368.34	377.31	-	8.79	8.87	9.14	9.07	-
34	FABRICATED METAL PRODUCTS	346.04	345.32	365.82	370.37	380.79	8.85	8.90	9.10	9.10	9.22
341	Metal cans and shipping containers	514.61	513.17	525.46	532.08	-	11.94	11.99	12.22	12.26	-
3411	Metal cans	539.33	535.68	555.95	561.11	-	12.37	12.40	12.81	12.84	-
342	Cutlery, hand tools, and hardware	321.72	317.89	353.12	354.71	-	8.40	8.30	8.85	8.78	-
3423, 5	Hand and edge tools, and hand saws and blades	294.78	298.24	322.58	333.28	-	7.84	7.89	8.25	8.27	-
3429	Hardware, nec	340.84	331.78	366.00	364.31	-	8.83	8.64	9.15	9.04	-
343	Plumbing and heating, except electric	306.12	307.20	312.34	323.57	-	7.91	8.00	8.05	8.13	-
3432	Plumbing fittings and brass goods	286.89	286.48	295.30	308.89	-	7.53	7.66	7.69	7.82	-
3433	Heating equipment, except electric	313.21	314.73	307.58	320.30	-	7.99	8.07	8.01	8.15	-
344	Fabricated structural metal products	341.91	342.91	347.93	351.75	-	8.70	8.77	8.72	8.75	-
3441	Fabricated structural metal	364.11	364.40	375.87	373.41	-	9.08	9.11	9.35	9.22	-
3442	Metal doors, sash, and trim	264.99	259.57	272.68	272.34	-	6.76	6.69	6.80	6.86	-
3443	Fabricated plate work (boiler shops)	381.60	384.07	393.22	406.00	-	9.71	9.95	9.98	10.00	-
3444	Sheet metal work	343.93	344.96	352.91	351.34	-	8.98	8.96	8.98	8.94	-
3446	Architectural metal work	342.95	353.47	347.73	364.79	-	8.51	8.62	8.65	8.79	-
345	Screw machine products, bolts, etc.	313.78	313.68	346.36	348.47	-	8.15	8.19	8.51	8.52	-
3451	Screw machine products	289.54	290.70	310.84	311.63	-	7.54	7.61	7.81	7.83	-
3452	Bolts, nuts, rivets, and washers	336.59	335.62	383.22	386.90	-	8.72	8.74	9.19	9.19	-
346	Metal forgings and stampings	390.25	384.38	426.40	433.86	-	9.93	10.01	10.40	10.33	-
3462	Iron and steel forgings	421.13	410.28	453.32	467.24	-	10.91	10.97	11.39	11.48	-
3465	Automotive stampings	465.23	453.94	525.53	525.05	-	11.66	11.76	12.25	12.07	-
3469	Metal stampings, nec	309.67	306.87	317.94	329.67	-	7.92	7.95	8.09	8.10	-
347	Metal services, nec	273.39	273.15	290.07	291.53	-	7.01	7.04	7.27	7.27	-
3471	Plating and polishing	268.41	268.11	285.37	284.97	-	6.90	6.91	7.17	7.16	-
3479	Metal coating and allied services	285.04	287.04	301.60	308.04	-	7.29	7.36	7.54	7.55	-
348	Ordnance and accessories, nec	359.33	360.12	382.80	388.65	-	9.12	9.14	9.57	9.62	-
3483	Ammunition, exc. for small arms, nec	330.91	337.39	363.92	363.71	-	8.42	8.52	9.19	9.07	-
349	Misc. fabricated metal products	318.21	319.96	336.54	344.11	-	8.33	8.42	8.52	8.56	-
3494	Valves and pipe fittings	336.04	336.66	358.54	359.33	-	8.89	8.93	9.10	9.12	-
3496	Misc. fabricated wire products	282.36	279.41	300.93	309.46	-	7.24	7.22	7.58	7.66	-
35	MACHINERY, EXCEPT ELECTRICAL	364.26	367.93	386.97	387.28	396.98	9.34	9.41	9.65	9.61	9.73
351	Engines and turbines	451.58	452.40	475.21	451.14	-	11.52	11.60	11.91	11.81	-
3511	Turbines and turbine generator sets	445.20	443.05	436.23	435.38	-	11.13	11.16	11.51	11.61	-
3519	Internal combustion engines, nec	453.95	457.02	492.86	459.73	-	11.73	11.84	12.04	11.91	-
352	Farm and garden machinery	394.63	416.91	408.07	397.94	-	10.44	10.69	10.41	10.10	-
3523	Farm machinery and equipment	405.75	430.62	428.76	415.28	-	10.82	11.07	10.91	10.54	-
353	Construction and related machinery	393.86	398.59	412.12	411.93	-	10.23	10.38	10.46	10.35	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
32	STONE, CLAY, AND GLASS PRODUCTS	40.6	40.5	41.9	42.1	42.3	3.8	3.8	4.6	4.7	-
321	Flat glass	42.1	42.4	43.4	44.6	-	3.9	4.4	5.6	5.7	-
322	Glass and glassware, pressed or blown	40.2	40.0	41.0	40.8	-	4.1	4.6	4.1	4.2	-
3221	Glass containers	40.9	39.9	41.1	41.1	-	4.8	5.3	4.9	5.1	-
3229	Pressed and blown glass, nec	39.1	40.1	40.8	40.3	-	3.0	3.5	3.0	2.9	-
323	Products of purchased glass	39.9	40.3	40.6	41.2	-	2.9	3.2	3.3	3.6	-
324	Cement, hydraulic	41.3	41.7	41.8	42.1	-	2.7	2.4	3.1	3.2	-
325	Structural clay products	39.9	40.0	41.1	41.9	-	2.5	2.5	3.8	4.2	-
326	Pottery and related products	38.8	38.1	37.6	38.9	-	1.6	1.6	1.5	1.8	-
327	Concrete, gypsum, and plaster products	42.1	41.7	43.8	43.8	-	5.5	5.2	6.6	6.7	-
3271	Concrete block and brick	43.7	42.9	45.8	45.9	-	5.7	5.1	7.5	7.8	-
3272	Concrete products, nec	42.2	41.9	42.0	43.6	-	4.9	4.7	4.9	5.9	-
3273	Ready-mixed concrete	41.4	40.9	44.2	43.0	-	5.9	5.3	7.2	6.7	-
329	Misc. nonmetallic mineral products	39.2	39.5	41.7	41.8	-	2.5	2.7	3.4	3.6	-
3291	Abrasive products	36.7	36.4	40.9	40.7	-	1.2	1.3	2.8	2.4	-
3292	Asbestos products	40.7	39.6	43.4	44.6	-	2.7	2.3	3.9	4.3	-
33	PRIMARY METAL INDUSTRIES	38.3	38.0	40.5	40.7	41.3	2.0	2.1	3.0	3.3	-
331	Blast furnace and basic steel products	37.3	37.3	40.1	40.0	-	1.5	1.5	2.5	2.7	-
3312	Blast furnaces and steel mills	37.0	37.1	40.0	39.7	-	1.4	1.4	2.4	2.6	-
3317	Steel pipe and tubes	38.0	36.9	39.7	40.4	-	2.0	1.9	2.9	2.7	-
332	Iron and steel foundries	37.0	36.5	40.1	39.9	-	1.9	1.6	2.8	2.8	-
3321	Gray iron foundries	37.6	36.8	40.2	40.5	-	2.3	1.9	3.2	3.3	-
3322	Malleable iron foundries	36.6	34.2	39.2	41.0	-	1.3	1.1	2.6	3.6	-
3325	Steel foundries, nec	35.7	36.0	39.7	37.4	-	1.1	1.0	1.5	1.5	-
333	Primary nonferrous metals	40.9	40.3	40.9	40.9	-	2.6	3.2	3.2	3.2	-
3334	Primary aluminum	41.3	40.4	40.9	40.5	-	2.9	3.9	3.6	3.3	-
335	Nonferrous rolling and drawing	40.2	39.9	41.8	42.5	-	3.1	3.5	4.3	4.8	-
3351	Copper rolling and drawing	41.4	39.0	43.1	43.8	-	3.5	2.5	4.3	5.0	-
3353	Aluminum sheet, plate and foil	40.5	39.6	41.5	42.0	-	4.4	6.6	6.1	6.0	-
3357	Nonferrous wire drawing and insulating	39.5	39.7	41.2	42.1	-	2.6	2.6	3.7	4.2	-
336	Nonferrous foundries	39.2	38.2	39.9	41.0	-	2.0	1.8	3.1	3.4	-
3361	Aluminum foundries	39.4	38.2	40.3	41.6	-	2.0	1.8	3.3	3.7	-
34	FABRICATED METAL PRODUCTS	39.1	38.8	40.2	40.7	41.3	2.0	2.0	2.8	3.2	-
341	Metal cans and shipping containers	43.1	42.8	43.0	43.4	-	4.8	4.4	5.3	5.7	-
3411	Metal cans	43.6	43.2	43.4	43.7	-	5.2	4.5	5.6	6.1	-
342	Cutlery, hand tools, and hardware	38.3	38.3	39.9	40.4	-	1.3	1.4	2.5	2.6	-
3423, 5	Hand and edge tools, and hand saws and blades	37.6	37.8	39.1	40.3	-	.9	1.3	1.6	2.3	-
3429	Hardware, nec	38.6	38.4	40.0	40.3	-	1.3	1.4	3.0	2.9	-
343	Plumbing and heating, except electric	38.7	38.4	38.8	39.8	-	1.2	1.4	1.7	2.4	-
3432	Plumbing fittings and brass goods	38.1	37.4	38.4	39.5	-	.8	1.2	1.8	2.5	-
3433	Heating equipment, except electric	39.2	39.0	38.4	39.3	-	1.4	1.6	1.0	1.9	-
344	Fabricated structural metal products	39.3	39.1	39.9	40.2	-	2.2	2.2	2.7	2.9	-
3441	Fabricated structural metal	40.1	40.0	40.2	40.5	-	2.8	2.7	3.1	3.0	-
3442	Metal doors, sash, and trim	39.2	38.8	40.1	39.7	-	2.2	2.1	2.8	2.7	-
3443	Fabricated plate work (boiler shops)	39.3	38.6	39.8	40.6	-	2.1	1.9	2.5	3.1	-
3444	Sheet metal work	38.3	38.5	39.3	39.3	-	1.7	2.1	2.5	2.7	-
3446	Architectural metal work	40.3	41.0	40.2	41.5	-	2.6	2.2	1.5	2.6	-
345	Screw machine products, bolts, etc.	38.5	38.3	40.7	40.9	-	1.6	1.4	2.8	3.3	-
3451	Screw machine products	38.4	38.2	39.8	39.8	-	1.5	1.3	2.1	2.7	-
3452	Bolts, nuts, rivets, and washers	38.6	38.4	41.7	42.1	-	1.7	1.5	3.5	3.9	-
346	Metal forgings and stampings	39.3	38.4	41.0	42.0	-	2.0	1.8	3.5	4.0	-
3462	Iron and steel forgings	38.6	37.4	39.8	40.7	-	1.8	1.6	2.5	3.7	-
3465	Automotive stampings	39.9	38.6	42.9	43.5	-	2.4	1.9	4.8	5.0	-
3469	Metal stampings, nec	39.1	38.6	39.3	40.7	-	1.7	1.8	2.5	3.2	-
347	Metal services, nec	39.0	38.8	39.9	40.1	-	2.3	2.4	3.1	3.3	-
3471	Plating and polishing	38.9	38.8	39.8	39.8	-	2.2	2.2	3.0	3.2	-
3479	Metal coating and allied services	39.1	39.0	40.0	40.8	-	2.6	2.8	3.5	3.7	-
348	Ordinance and accessories, nec	39.4	39.4	40.0	40.4	-	2.0	2.1	2.0	2.3	-
3483	Ammunition, exc. for small arms, nec	39.3	39.6	39.6	40.1	-	1.8	1.9	1.2	1.5	-
349	Misc. fabricated metal products	38.2	38.0	39.5	40.2	-	1.6	1.6	1.9	2.5	-
3494	Valves and pipe fittings	37.8	37.7	39.4	39.4	-	1.4	1.4	2.0	2.1	-
3498	Misc. fabricated wire products	39.0	38.7	39.7	40.4	-	1.6	1.4	2.0	2.8	-
35	MACHINERY, EXCEPT ELECTRICAL	39.0	39.1	40.1	40.3	40.8	1.9	1.9	2.5	2.8	-
351	Engines and turbines	39.2	39.0	39.9	38.2	-	1.6	1.4	2.0	2.7	-
3511	Turbines and turbine generator sets	40.0	39.7	37.9	37.5	-	3.0	3.0	2.8	3.1	-
3519	Internal combustion engines, nec	38.7	38.6	40.8	38.6	-	.8	.6	1.7	2.5	-
352	Farm and garden machinery	37.8	39.0	39.2	39.4	-	1.7	2.4	2.0	1.9	-
3523	Farm machinery and equipment	37.5	38.9	39.3	39.4	-	1.8	2.5	2.1	2.1	-
353	Construction and related machinery	38.5	38.4	39.4	39.8	-	1.6	1.5	1.9	2.2	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3531	Construction machinery	\$437.00	\$435.09	\$452.07	\$455.43	-	\$11.41	\$11.48	\$11.33	\$11.19	-
3532	Mining machinery	386.14	402.92	431.46	422.37	-	10.38	10.52	11.12	10.83	-
3533	Oil field machinery	391.78	403.51	410.67	408.86	-	10.02	10.32	10.53	10.43	-
3536	Conveyers and conveying equipment	357.87	335.16	356.90	359.60	-	9.06	8.82	8.99	8.99	-
3537	Industrial trucks and tractors	321.71	336.13	360.99	368.14	-	8.79	9.06	9.28	9.32	-
354	Metalworking machinery	374.79	374.01	393.56	394.47	-	9.61	9.59	9.79	9.74	-
3541	Machine tools, metal cutting types	371.57	368.93	385.28	375.67	-	9.83	9.75	9.93	9.86	-
3542	Machine tools, metal forming types	369.89	367.89	354.72	396.81	-	9.97	9.97	10.47	10.47	-
3544	Special dies, tools, jigs, and fixtures	407.23	407.82	424.76	429.94	-	10.13	10.17	10.36	10.36	-
3545	Machine tool accessories	327.62	327.49	365.22	360.69	-	8.76	8.78	9.04	8.95	-
3546	Power driven hand tools	301.75	295.81	302.24	313.34	-	7.67	7.47	7.73	7.68	-
355	Special industry machinery	352.02	353.86	376.80	378.95	-	8.98	9.05	9.42	9.38	-
3551	Food products machinery	368.42	373.72	393.90	398.78	-	9.28	9.39	9.75	9.78	-
3552	Textile machinery	269.14	268.76	289.87	297.08	-	7.12	7.11	7.32	7.39	-
3555	Printing trades machinery	364.26	366.95	357.98	367.37	-	9.34	9.41	9.90	9.66	-
356	General industrial machinery	357.44	356.90	379.35	385.56	-	9.26	9.27	9.46	9.52	-
3561	Pumps and pumping equipment	360.62	362.90	391.04	400.18	-	9.49	9.55	9.95	9.93	-
3562	Ball and roller bearings	356.61	356.31	386.05	399.08	-	8.96	8.93	9.28	9.39	-
3563	Air and gas compressors	400.97	394.49	379.00	397.32	-	10.10	10.30	10.00	10.11	-
3564	Blowers and fans	342.14	343.96	355.69	356.06	-	8.64	8.73	8.87	8.77	-
3566	Speed changers, drives, and gears	352.80	342.84	391.43	398.56	-	9.91	9.88	9.96	10.09	-
3568	Power transmission equipment, nec	325.25	336.45	376.20	373.35	-	8.96	9.02	9.50	9.50	-
357	Office and computing machines	323.58	330.87	352.60	353.83	-	7.97	8.07	8.60	8.63	-
3573	Electronic computing equipment	322.70	328.78	351.85	353.87	-	7.89	7.98	8.54	8.61	-
358	Refrigeration and service machinery	341.82	339.11	371.68	378.84	-	8.72	8.74	9.20	9.24	-
3585	Refrigeration and heating equipment	354.60	351.14	386.11	393.46	-	9.00	9.05	9.51	9.55	-
359	Misc. machinery, except electrical	348.81	349.72	379.45	382.15	-	8.99	9.06	9.51	9.53	-
3592	Carburetors, pistons, rings, valves	397.19	384.85	448.67	461.62	-	10.29	10.29	10.97	11.07	-
3599	Machinery, except electrical, nec	341.54	344.16	368.15	368.15	-	8.78	8.87	9.25	9.25	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	324.53	325.59	350.21	349.92	\$358.69	8.30	8.37	8.69	8.64	\$8.77
361	Electric distributing equipment	317.24	322.76	326.04	331.89	-	8.24	8.34	8.36	8.36	-
3612	Transformers	320.35	329.43	330.74	334.49	-	8.11	8.34	8.31	8.30	-
3613	Switchgear and switchboard apparatus	313.96	317.75	323.40	330.51	-	8.35	8.34	8.40	8.41	-
362	Electrical industrial apparatus	318.82	313.60	352.48	352.08	-	8.39	8.43	8.79	8.78	-
3621	Motors and generators	327.27	315.55	359.98	357.88	-	8.37	8.37	8.78	8.75	-
3622	Industrial controls	305.78	310.20	331.01	339.70	-	8.22	8.25	8.62	8.60	-
363	Household appliances	307.62	312.27	340.26	345.82	-	7.99	8.09	8.68	8.56	-
3632	Household refrigerators and freezers	371.20	377.60	386.63	407.41	-	9.28	9.44	9.69	9.77	-
3633	Household laundry equipment	366.82	372.24	407.82	403.52	-	9.73	9.77	10.17	10.19	-
3634	Electric housewares and fans	243.07	246.65	255.53	267.04	-	6.33	6.39	6.62	6.61	-
364	Electric lighting and wiring equipment	306.54	303.78	330.07	326.43	-	7.82	7.87	8.17	8.08	-
3641	Electric lamps	358.18	355.27	382.54	382.30	-	8.91	9.04	9.24	9.19	-
3643	Current-carrying wiring devices	282.08	275.18	312.01	304.97	-	7.27	7.28	7.61	7.53	-
3644	Noncurrent-carrying wiring devices	299.00	297.11	326.37	336.84	-	7.91	8.03	8.39	8.40	-
3645	Residential lighting fixtures	234.14	231.64	244.53	241.08	-	6.05	5.97	6.27	6.15	-
365	Radio and TV receiving equipment	303.79	293.36	329.83	344.03	-	7.73	7.72	8.35	8.33	-
3651	Radio and TV receiving sets	310.06	288.97	341.48	350.51	-	7.93	7.81	8.58	8.57	-
366	Communication equipment	389.06	398.00	421.46	420.84	-	9.80	9.95	10.33	10.34	-
3661	Telephone and telegraph apparatus	404.32	410.41	423.33	428.06	-	10.21	10.39	10.30	10.29	-
3662	Radio and TV communication equipment	381.28	391.31	419.80	418.58	-	9.58	9.71	10.34	10.36	-
367	Electronic components and accessories	283.02	283.58	306.94	306.12	-	7.22	7.29	7.56	7.54	-
3671-3	Electronic tubes	358.54	371.97	394.28	394.13	-	9.10	9.23	9.57	9.66	-
3674	Semiconductors and related devices	324.35	322.62	354.28	350.83	-	8.17	8.23	8.62	8.62	-
3679	Electronic components, nec	265.44	265.10	282.69	285.77	-	6.72	6.78	6.98	6.97	-
369	Misc. electrical equipment and supplies	353.82	349.38	378.39	377.58	-	8.89	8.89	9.37	9.30	-
3691	Storage batteries	377.48	370.75	360.42	415.11	-	9.39	9.58	9.68	9.86	-
3694	Engine electrical equipment	367.70	361.92	407.22	394.47	-	9.38	9.29	9.88	9.74	-
37	TRANSPORTATION EQUIPMENT	446.80	443.98	484.55	476.19	504.29	11.17	11.24	11.62	11.53	11.81
371	Motor vehicles and equipment	462.53	451.62	518.58	505.49	-	11.68	11.70	12.06	11.95	-
3711	Motor vehicles and car bodies	504.19	484.15	567.14	535.87	-	13.13	12.98	13.22	13.07	-
3713	Truck and bus bodies	340.81	373.52	360.90	359.07	-	8.65	9.20	9.00	8.91	-
3714	Motor vehicle parts and accessories	449.74	440.27	500.84	507.48	-	11.05	11.09	11.54	11.56	-
3715	Truck trailers	308.03	307.64	352.26	353.33	-	7.98	7.97	8.55	8.66	-
372	Aircraft and parts	460.00	463.17	480.33	481.11	-	11.33	11.38	11.86	11.85	-
3721	Aircraft	487.56	488.40	504.06	506.17	-	11.95	12.00	12.57	12.56	-
3724	Aircraft engines and engine parts	454.58	454.26	473.49	473.45	-	11.28	11.30	11.77	11.69	-
3728	Aircraft equipment, nec	415.34	427.25	443.72	443.72	-	10.23	10.32	10.77	10.77	-
373	Ship and boat building and repairing	393.41	394.22	395.20	382.57	-	9.86	9.93	9.88	9.71	-
3731	Shipbuilding and repairing	413.20	417.28	426.37	411.59	-	10.33	10.38	10.58	10.42	-
3732	Boat building and repairing	305.73	292.53	256.01	294.81	-	7.74	7.78	7.59	7.54	-
374	Railroad equipment	427.90	435.86	-	-	-	11.35	11.47	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
	MACHINERY, EXCEPT ELECTRICAL—Continued										
3531	Construction machinery	38.3	37.9	39.9	40.7	-	0.9	1.0	2.0	2.1	-
3532	Mining machinery	37.2	38.3	38.8	39.0	-	1.1	.9	1.3	1.5	-
3533	Oil field machinery	39.1	39.1	39.0	39.2	-	2.2	1.8	1.9	2.2	-
3535	Conveyers and conveying equipment	39.5	38.0	39.7	40.0	-	2.4	1.8	2.2	2.7	-
3537	Industrial trucks and tractors	36.6	37.1	38.9	39.5	-	.9	1.6	2.5	2.7	-
354	Metalworking machinery	39.0	39.0	40.2	40.5	-	2.5	2.3	3.0	3.3	-
3541	Machine tools, metal cutting types	37.8	37.8	38.8	38.1	-	1.5	1.2	1.5	1.6	-
3542	Machine tools, metal forming types	37.1	36.9	37.7	37.9	-	1.0	1.0	2.4	2.5	-
3544	Special dies, tools, jigs, and fixtures	40.2	40.1	41.0	41.5	-	3.6	3.3	3.8	4.1	-
3545	Machine tool accessories	37.4	37.3	40.4	40.3	-	1.2	1.0	2.6	2.8	-
3546	Power driven hand tools	39.6	39.5	39.1	40.8	-	2.3	2.4	2.4	3.0	-
356	Special industry machinery	39.2	39.1	40.0	40.4	-	1.9	2.1	2.4	2.6	-
3551	Food products machinery	39.7	39.8	40.4	40.9	-	2.0	1.9	2.3	2.5	-
3552	Textile machinery	37.8	37.8	39.6	40.2	-	1.0	1.2	1.8	2.0	-
3555	Printing trades machinery	39.0	39.0	40.2	40.1	-	2.1	2.4	3.3	2.7	-
356	General industrial machinery	38.6	38.5	40.1	40.5	-	1.5	1.7	2.4	2.7	-
3561	Pumps and pumping equipment	38.0	38.0	39.3	40.3	-	1.1	1.4	2.0	2.3	-
3562	Ball and roller bearings	39.8	39.5	41.6	42.5	-	1.9	2.0	3.0	3.9	-
3563	Air and gas compressors	39.7	38.3	37.9	39.3	-	2.4	2.6	1.5	1.8	-
3564	Blowers and fans	39.6	39.4	40.1	40.6	-	1.7	1.7	2.2	3.0	-
3566	Speed changers, drives, and gears	35.6	34.7	39.3	39.5	-	.7	.7	2.0	2.4	-
3568	Power transmission equipment, nec	36.3	37.3	39.6	39.3	-	1.3	1.5	2.3	2.2	-
357	Office and computing machines	40.6	41.0	41.0	41.0	-	2.0	2.2	2.4	2.9	-
3573	Electronic computing equipment	40.9	41.2	41.2	41.1	-	2.2	2.5	2.6	3.0	-
358	Refrigeration and service machinery	39.2	38.8	40.4	41.0	-	1.7	1.4	2.7	3.2	-
3585	Refrigeration and heating equipment	39.4	38.8	40.6	41.2	-	1.7	1.2	2.9	3.4	-
359	Misc. machinery, except electrical	38.8	38.6	39.9	40.1	-	2.1	1.9	2.8	2.8	-
3592	Carburetors, pistons, rings, valves	38.6	37.4	40.9	41.7	-	1.4	1.5	3.4	3.8	-
3599	Machinery, except electrical, nec	38.9	38.8	39.8	39.8	-	2.2	2.0	2.7	2.6	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	39.1	38.9	40.3	40.5	40.9	1.8	1.8	2.5	2.6	-
361	Electric distributing equipment	38.5	38.7	39.0	39.7	-	1.7	2.0	1.7	2.5	-
3612	Transformers	39.5	39.5	39.8	40.3	-	2.1	2.6	2.0	2.6	-
3613	Switchgear and switchboard apparatus	37.6	38.1	38.5	39.3	-	1.4	1.4	1.5	2.3	-
362	Electrical industrial apparatus	38.0	37.2	40.1	40.1	-	1.4	1.4	2.6	2.7	-
3621	Motors and generators	39.1	37.7	41.0	40.9	-	1.6	1.5	3.2	3.1	-
3622	Industrial controls	37.2	37.6	38.4	39.5	-	1.2	1.3	1.6	2.1	-
363	Household appliances	38.5	38.6	39.2	40.4	-	1.5	1.4	1.9	2.0	-
3632	Household refrigerators and freezers	40.0	40.0	39.9	41.7	-	1.7	1.2	1.4	1.5	-
3633	Household laundry equipment	37.7	38.1	40.1	39.6	-	.6	.4	2.5	1.1	-
3634	Electric housewares and fans	38.4	38.6	38.6	40.4	-	1.8	1.9	1.6	2.4	-
364	Electric lighting and wiring equipment	39.2	38.6	40.4	40.4	-	1.7	1.5	2.4	2.6	-
3641	Electric lamps	40.2	39.3	41.4	41.6	-	1.6	1.4	1.6	2.4	-
3643	Current-carrying wiring devices	38.8	37.8	41.0	40.5	-	1.7	1.4	2.9	2.5	-
3644	Noncurrent-carrying wiring devices	37.8	37.0	38.9	40.1	-	1.3	1.2	1.9	2.0	-
3645	Residential lighting fixtures	38.7	38.8	39.0	39.2	-	1.5	1.5	1.4	1.9	-
365	Radio and TV receiving equipment	39.3	38.0	39.5	41.3	-	1.3	1.7	2.4	3.1	-
3651	Radio and TV receiving sets	39.1	37.0	39.8	40.9	-	1.3	1.0	2.6	3.0	-
366	Communication equipment	39.7	40.0	40.8	40.7	-	2.0	2.2	2.4	2.5	-
3661	Telephone and telegraph apparatus	39.6	39.5	41.1	41.6	-	1.8	2.0	2.8	3.2	-
3662	Radio and TV communication equipment	39.8	40.3	40.6	40.4	-	2.0	2.3	2.1	2.2	-
367	Electronic components and accessories	39.2	38.9	40.6	40.6	-	2.0	2.0	2.8	2.9	-
3671-3	Electronic tubes	39.4	40.3	41.2	40.8	-	1.9	1.9	2.1	2.1	-
3674	Semiconductors and related devices	39.7	39.2	41.1	40.7	-	2.4	2.4	3.3	3.3	-
3679	Electronic components, nec	39.5	39.1	40.5	41.0	-	1.9	1.9	2.8	3.1	-
369	Misc. electrical equipment and supplies	39.8	39.3	40.6	40.6	-	2.0	1.7	2.7	2.3	-
3691	Storage batteries	40.2	38.7	39.3	42.1	-	2.6	2.5	2.3	3.0	-
3694	Engine electrical equipment	39.2	39.0	41.3	40.5	-	1.7	1.5	3.4	2.6	-
37	TRANSPORTATION EQUIPMENT	40.0	39.5	41.7	41.3	42.7	2.8	2.6	3.8	3.7	-
371	Motor vehicles and equipment	39.6	38.5	43.0	42.3	-	2.7	2.2	4.8	4.6	-
3711	Motor vehicles and car bodies	38.4	37.3	42.9	41.0	-	2.8	2.0	4.9	4.0	-
3713	Truck and bus bodies	39.4	40.6	40.1	40.3	-	1.4	1.7	2.3	2.4	-
3714	Motor vehicle parts and accessories	40.7	39.7	43.4	43.9	-	2.9	2.5	5.0	5.5	-
3715	Truck trailers	38.6	38.6	41.2	40.8	-	.7	.9	2.6	3.2	-
372	Aircraft and parts	40.6	40.7	40.5	40.6	-	3.0	3.3	2.9	3.0	-
3721	Aircraft	40.8	40.7	40.1	40.3	-	2.6	2.8	2.1	2.4	-
3724	Aircraft engines and engine parts	40.3	40.2	40.4	40.5	-	3.3	3.7	3.7	3.6	-
3728	Aircraft equipment, nec	40.6	41.4	41.2	41.2	-	3.5	3.7	3.5	3.5	-
373	Ship and boat building and repairing	39.9	39.7	40.0	39.4	-	2.6	2.8	2.7	2.3	-
3731	Ship building and repairing	40.0	40.2	40.3	39.5	-	2.8	3.2	2.8	2.4	-
3732	Boat building and repairing	39.5	37.6	39.0	39.1	-	1.6	1.3	2.2	1.9	-
374	Railroad equipment	37.7	38.0	-	-	-	1.1	1.5	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	\$450.31	\$450.55	\$474.03	\$477.92	-	\$11.01	\$11.07	\$11.59	\$11.60	-
3781	Guided missiles and space vehicles	464.09	466.16	487.04	487.81	-	11.21	11.26	11.85	11.84	-
379	Miscellaneous transportation equipment	354.92	373.46	376.83	376.27	-	8.94	9.36	9.54	9.55	-
3792	Travel trailers and campers	284.90	283.87	318.80	316.13	-	7.70	7.82	8.00	8.19	-
38	INSTRUMENTS AND RELATED PRODUCTS	325.98	328.78	344.51	340.85	\$347.84	8.17	8.24	8.57	8.50	\$8.61
381	Engineering and scientific instruments	338.85	346.12	372.04	369.00	-	8.45	8.61	9.03	9.00	-
382	Measuring and controlling devices	326.40	328.38	337.85	335.69	-	8.16	8.23	8.51	8.52	-
3822	Environmental controls	295.68	294.90	310.03	315.21	-	7.68	7.64	7.97	7.98	-
3823	Process control instruments	325.51	327.46	338.18	330.89	-	8.27	8.29	8.54	8.55	-
3825	Instruments to measure electricity	350.20	360.22	352.23	350.27	-	8.50	8.68	8.85	8.89	-
383	Optical instruments and lenses	348.79	356.00	406.73	393.05	-	8.83	8.79	9.57	9.27	-
384	Medical instruments and supplies	277.29	276.36	291.46	293.66	-	7.02	7.05	7.36	7.36	-
3841	Surgical and medical instruments	283.81	279.58	291.51	297.34	-	7.06	7.06	7.38	7.36	-
3842	Surgical appliances and supplies	273.39	277.07	291.40	291.85	-	7.01	7.05	7.34	7.37	-
385	Ophthalmic goods	242.35	241.56	254.72	255.12	-	6.12	6.10	6.40	6.41	-
386	Photographic equipment and supplies	423.71	438.70	463.50	449.55	-	10.54	10.70	11.25	11.10	-
387	Watches, clocks, and watchcases	243.36	238.76	257.11	263.30	-	6.13	6.06	6.46	6.36	-
39	MISCELLANEOUS MANUFACTURING										
INDUSTRIES											
391	Jewelry, silverware, and plated ware	247.04	250.90	264.62	265.88	269.10	6.40	6.50	6.82	6.80	6.83
3911	Jewelry, precious metal	259.00	263.12	268.93	274.78	-	6.87	6.87	7.21	7.25	-
3911	Jewelry, precious metal	254.33	262.71	255.59	262.75	-	6.93	6.95	7.08	7.14	-
393	Musical instruments	252.20	244.86	261.76	269.43	-	6.50	6.60	6.61	6.62	-
394	Toys and sporting goods	230.69	234.60	244.92	245.23	-	5.90	6.00	6.28	6.24	-
3942, 4	Dolls, games, toys, and children's vehicles	220.52	220.20	228.10	227.56	-	5.64	5.69	5.94	5.88	-
3949	Sporting and athletic goods, nec	242.03	251.06	262.55	264.94	-	6.19	6.34	6.63	6.64	-
395	Pens, pencils, office and art supplies	267.73	269.56	279.20	280.60	-	6.71	6.79	6.98	6.98	-
396	Costume jewelry and notions	205.63	210.27	205.56	212.34	-	5.44	5.49	5.71	5.77	-
3961	Costume jewelry	191.14	200.07	173.49	180.42	-	5.03	5.13	5.21	5.26	-
399	Miscellaneous manufactures	265.57	270.72	295.02	293.78	-	6.88	7.05	7.45	7.40	-
3993	Signs and advertising displays	282.03	295.66	315.59	316.01	-	7.25	7.62	8.01	7.96	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	311.26	315.61	322.72	325.20	327.64	7.86	7.91	8.17	8.13	8.13
201	Meat products	292.92	297.08	291.80	289.87	-	7.53	7.54	7.35	7.32	-
2011	Meat packing plants	365.72	370.94	351.51	348.99	-	8.92	8.96	8.47	8.45	-
2013	Sausages and other prepared meats	359.46	360.30	371.28	366.33	-	9.17	9.03	9.10	9.09	-
2016	Poultry dressing plants	187.76	192.18	199.50	199.13	-	5.13	5.18	5.32	5.31	-
202	Dairy products	334.14	343.62	359.97	354.87	-	8.13	8.30	8.53	8.51	-
2022	Cheese, natural and processed	304.58	313.63	321.98	317.04	-	7.75	7.94	8.09	8.15	-
2026	Fluid milk	349.44	359.10	376.64	372.24	-	8.40	8.55	8.80	8.80	-
203	Preserved fruits and vegetables	277.99	282.71	268.93	295.94	-	7.02	7.05	7.33	7.38	-
2032	Canned specialties	357.08	364.99	342.94	391.55	-	8.19	8.41	8.66	8.96	-
2033	Canned fruits and vegetables	278.00	283.39	264.24	297.70	-	7.11	6.98	7.20	7.48	-
2037	Frozen fruits and vegetables	255.02	278.12	256.33	277.79	-	6.44	6.80	7.16	6.71	-
204	Grain mill products	386.81	398.79	413.86	411.84	-	9.08	9.21	9.58	9.60	-
2041	Flour and other grain mill products	421.74	421.07	454.90	455.47	-	9.31	9.42	9.77	9.88	-
2048	*Prepared feeds, nec	300.33	316.39	325.00	314.15	-	7.10	7.29	7.42	7.34	-
205	Bakery products	319.79	328.23	344.19	340.23	-	8.46	8.57	8.94	8.93	-
2051	Bread, cake, and related products	321.75	329.57	344.04	339.30	-	8.58	8.65	9.03	9.00	-
2052	Cookies and crackers	315.02	325.20	341.99	343.00	-	8.14	8.36	8.68	8.75	-
206	Sugar and confectionery products	322.34	311.20	324.77	328.85	-	7.92	7.78	8.16	8.16	-
2061-3	Cane and beet sugar	388.23	378.31	417.50	419.87	-	9.31	9.16	9.47	9.41	-
2065	Confectionery products	278.48	263.93	270.66	276.83	-	7.05	6.82	7.03	7.08	-
207	Fats and oils	357.43	367.60	381.43	384.86	-	8.43	8.47	9.06	9.12	-
206	Beverages	398.21	405.00	431.39	429.93	-	9.76	10.00	10.37	10.41	-
2062	Malt beverages	556.78	569.08	619.68	617.58	-	13.07	13.39	14.02	14.10	-
2066	Bottled and canned soft drinks	301.51	293.27	326.68	325.54	-	7.39	7.35	7.91	7.94	-
209	Misc. foods and kindred products	258.43	256.13	269.31	269.97	-	6.91	6.83	7.22	7.18	-
21	TOBACCO MANUFACTURES	362.33	379.14	398.91	384.65	372.99	9.51	9.55	10.84	10.23	9.92
211	Cigarettes	454.96	480.64	455.08	470.87	-	11.91	12.23	12.40	12.49	-
22	TEXTILE MILL PRODUCTS	223.29	223.85	248.03	255.03	258.55	5.83	5.86	6.17	6.15	6.23
221	Weaving mills, cotton	227.08	230.12	260.58	265.10	-	5.96	6.04	6.45	6.45	-
222	Weaving mills, synthetics	236.69	233.74	272.08	276.89	-	6.18	6.20	6.62	6.64	-
223	Weaving and finishing mills, wool	240.86	227.30	260.95	268.14	-	6.16	6.16	6.54	6.54	-
224	Narrow fabric mills	213.68	218.23	234.77	234.42	-	5.55	5.61	5.84	5.89	-
225	Knitting mills	204.50	204.54	218.83	227.43	-	5.41	5.44	5.64	5.70	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls
by Industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
	TRANSPORTATION EQUIPMENT—Continued										
376	Guided missiles, space vehicles, parts	40.9	40.7	40.9	41.2	-	3.4	3.0	3.2	3.3	-
3781	Guided missiles and space vehicles	41.4	41.4	41.1	41.2	-	3.6	3.2	3.5	3.4	-
379	Miscellaneous transportation equipment	39.7	39.9	39.5	39.4	-	2.9	3.7	2.7	2.6	-
3792	Travel trailers and campers	37.0	36.3	39.8	38.6	-	1.4	1.4	3.2	2.2	-
38	INSTRUMENTS AND RELATED PRODUCTS	39.9	39.9	40.2	40.1	40.4	1.6	1.7	1.9	2.1	-
381	Engineering and scientific instruments	40.1	40.2	41.2	41.0	-	1.7	2.0	2.1	2.2	-
382	Measuring and controlling devices	40.0	39.9	39.7	39.4	-	1.1	1.1	1.5	1.7	-
3822	Environmental controls	38.5	38.6	38.9	39.5	-	1.0	.9	2.0	2.5	-
3823	Process control instruments	39.6	39.5	39.6	38.7	-	1.0	1.5	1.2	1.1	-
3825	Instruments to measure electricity	41.2	41.5	39.8	39.4	-	1.0	.9	1.4	1.4	-
383	Optical instruments and lenses	39.5	40.5	42.5	42.4	-	1.6	2.0	2.6	2.4	-
384	Medical instruments and supplies	39.5	39.2	39.6	39.9	-	2.0	1.9	2.1	2.4	-
3841	Surgical and medical instruments	40.2	39.6	39.5	40.4	-	2.5	2.2	2.0	2.4	-
3842	Surgical appliances and supplies	39.0	39.3	39.7	39.6	-	1.6	1.9	2.2	2.7	-
385	Ophthalmic goods	39.6	39.6	39.8	39.8	-	1.6	1.7	1.5	2.0	-
386	Photographic equipment and supplies	40.2	41.0	41.2	40.5	-	1.8	2.0	1.9	1.9	-
387	Watches, clocks, and watchcases	39.7	39.4	39.8	41.4	-	1.8	2.3	2.5	3.1	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	38.6	38.6	38.8	39.1	39.4	1.6	1.8	1.6	1.9	-
391	Jewelry, silverware, and plated ware	37.7	38.3	37.3	37.9	-	1.4	1.7	.7	1.5	-
3911	Jewelry, precious metal	36.7	37.8	36.1	36.8	-	1.2	1.8	.6	1.3	-
393	Musical instruments	38.8	37.1	39.6	40.7	-	.7	.6	1.2	1.9	-
394	Toys and sporting goods	39.1	39.1	39.0	39.3	-	1.6	1.6	1.7	2.0	-
3942, 4	Dolls, games, toys, and children's vehicles	39.1	38.7	38.4	38.7	-	1.3	1.2	1.4	1.9	-
3949	Sporting and athletic goods, nec	39.1	39.6	39.6	39.9	-	2.0	2.1	2.1	2.0	-
395	Pens, pencils, office and art supplies	39.9	39.7	40.0	40.2	-	1.8	1.7	1.9	2.0	-
396	Costume jewelry and notions	37.8	38.3	36.0	36.8	-	2.1	2.7	1.4	1.9	-
3961	Costume jewelry	38.0	39.0	33.3	34.3	-	2.8	3.0	1.7	1.5	-
399	Miscellaneous manufactures	38.6	38.4	39.6	39.7	-	1.7	1.9	1.9	2.1	-
3993	Signs and advertising displays	38.9	38.8	39.4	39.7	-	1.8	2.0	2.0	2.0	-
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	39.6	39.9	39.5	40.0	40.3	3.9	4.2	3.7	4.2	-
201	Meat products	38.9	39.4	39.7	39.6	-	3.3	3.5	3.5	3.6	-
2011	Meat packing plants	41.0	41.4	41.5	41.3	-	4.3	4.8	4.4	4.5	-
2013	Sausages and other prepared meats	39.2	39.9	40.8	40.3	-	3.3	3.2	3.7	3.5	-
2016	Poultry dressing plants	36.6	37.1	37.5	37.5	-	2.3	2.4	2.5	2.6	-
202	Dairy products	41.1	41.4	42.2	41.7	-	3.9	4.3	4.6	4.4	-
2022	Cheese, natural and processed	39.3	39.5	39.8	38.9	-	2.9	3.7	3.3	3.1	-
2026	Fluid milk	41.6	42.0	42.8	42.3	-	4.2	4.7	5.1	4.8	-
203	Preserved fruits and vegetables	39.6	40.1	36.8	40.1	-	5.0	5.4	3.5	5.4	-
2032	Canned specialties	43.6	43.4	39.6	43.7	-	6.0	6.1	3.0	6.8	-
2033	Canned fruits and vegetables	39.1	40.6	36.7	39.8	-	5.3	6.1	3.7	5.8	-
2037	Frozen fruits and vegetables	39.6	40.9	35.8	41.4	-	5.0	6.5	3.4	5.4	-
204	Grain mill products	42.6	43.3	43.2	42.9	-	5.1	6.0	5.5	5.5	-
2041	Flour and other grain mill products	45.3	44.7	46.8	46.1	-	6.1	7.1	6.5	6.7	-
2048	Prepared feeds, nec	42.3	43.4	43.8	42.8	-	5.0	6.0	6.3	5.7	-
205	Bakery products	37.8	38.3	38.5	38.1	-	2.8	3.1	3.3	2.9	-
2051	Bread, cake, and related products	37.5	38.1	38.1	37.7	-	3.0	3.3	3.5	3.2	-
2052	Cookies and crackers	38.7	38.9	39.4	39.2	-	2.3	2.6	2.5	2.3	-
206	Sugar and confectionery products	40.7	40.0	39.8	40.3	-	3.0	3.3	2.5	3.1	-
2061-3	Cane and beet sugar	41.7	41.3	42.3	42.8	-	3.9	5.1	4.9	5.0	-
2065	Confectionery products	39.5	38.7	38.5	39.1	-	2.3	2.4	1.4	2.3	-
207	Fats and oils	42.4	43.4	42.1	42.2	-	5.0	5.7	5.0	5.6	-
208	Beverages	40.8	40.6	41.6	41.3	-	3.9	4.0	4.7	4.3	-
2082	Malt beverages	42.6	42.5	44.2	43.8	-	5.2	5.4	6.3	6.0	-
2086	Bottled and canned soft drinks	40.8	39.9	41.3	41.0	-	4.0	3.3	4.5	4.1	-
209	Misc. foods and kindred products	37.4	37.5	37.3	37.6	-	3.6	2.9	3.1	3.5	-
21	TOBACCO MANUFACTURES	38.1	39.7	36.8	37.6	37.6	1.8	1.9	1.2	1.4	-
211	Cigarettes	38.2	39.3	36.7	37.7	-	1.7	1.9	1.1	1.1	-
22	TEXTILE MILL PRODUCTS	38.3	38.2	40.2	41.2	41.5	2.2	2.3	3.5	4.0	-
221	Weaving mills, cotton	38.1	38.1	40.4	41.1	-	2.1	2.5	3.8	4.1	-
222	Weaving mills, synthetics	38.3	37.7	41.1	41.7	-	1.9	2.0	4.1	4.2	-
223	Weaving and finishing mills, wool	39.1	36.9	39.9	41.0	-	2.8	2.8	4.3	4.1	-
224	Narrow fabric mills	38.5	38.9	40.2	39.8	-	1.8	1.6	1.8	2.7	-
225	Knitting mills	37.8	37.6	38.8	39.9	-	2.2	2.2	2.9	3.3	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
	TEXTILE MILL PRODUCTS—Continued										
2251	Women's hosiery, except socks	\$200.03	\$203.68	\$222.36	\$231.96	-	\$5.25	\$5.36	\$5.45	\$5.63	-
2252	Hosiery, nec	191.95	191.05	212.61	214.78	-	5.16	5.22	5.41	5.41	-
2253	Knit outerwear mills	197.55	196.65	201.47	213.12	-	5.24	5.23	5.46	5.55	-
2254	Knit underwear mills	182.69	183.37	187.43	203.61	-	5.19	5.18	5.25	5.33	-
2257	Circular knit fabric mills	239.99	248.46	266.05	270.51	-	6.03	6.06	6.38	6.38	-
226	Textile finishing, except wool	238.23	246.02	258.33	273.97	-	6.22	6.26	6.54	6.57	-
2261	Finishing plants, cotton	236.12	246.72	262.42	276.39	-	6.23	6.31	6.61	6.66	-
2262	Finishing plants, synthetics	247.00	249.72	260.14	281.54	-	6.50	6.52	6.81	6.85	-
227	Floor covering mills	234.57	231.17	267.96	274.13	-	6.03	6.02	6.38	6.39	-
228	Yarn and thread mills	210.48	209.93	237.22	239.54	-	5.51	5.51	5.80	5.80	-
2281	Yarn mills, except wool	209.66	211.85	240.61	243.69	-	5.46	5.46	5.77	5.83	-
2282	Throwing and winding mills	202.66	203.25	213.57	217.95	-	5.39	5.42	5.68	5.56	-
228	Miscellaneous textile goods	261.70	267.71	282.91	295.24	-	6.51	6.61	6.85	6.85	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	183.56	183.57	193.14	196.18	\$198.91	5.20	5.23	5.35	5.36	\$5.42
231	Men's and boys' suits and coats	204.73	209.55	228.24	223.03	-	5.90	5.97	6.34	6.23	-
232	Men's and boys' furnishings	172.31	171.00	184.13	185.48	-	4.76	4.79	4.91	4.92	-
2321	Men's and boys' shirts and nightwear	165.50	163.22	174.06	175.11	-	4.61	4.65	4.73	4.72	-
2327	Men's and boys' separate trousers	173.02	170.72	189.13	188.63	-	4.86	4.85	5.03	5.03	-
2328	Men's and boys' work clothing	174.80	173.63	185.93	184.95	-	4.75	4.77	4.88	4.88	-
233	Women's and misses' outerwear	171.86	169.25	182.63	185.83	-	5.13	5.16	5.34	5.34	-
2331	Women's and misses' blouses and waists	163.48	162.93	171.69	172.69	-	4.78	4.75	4.85	4.92	-
2335	Women's and misses' dresses	170.17	167.38	181.29	183.81	-	5.22	5.28	5.63	5.57	-
2337	Women's and misses' suits and coats	189.90	183.93	206.12	209.09	-	5.72	5.73	5.94	5.94	-
2339	Women's and misses' outerwear, nec	169.29	168.34	178.11	182.67	-	4.95	5.01	5.06	5.06	-
234	Women's and children's undergarments	166.72	169.22	175.21	181.16	-	4.67	4.74	4.84	4.87	-
2341	Women's and children's underwear	165.60	167.65	174.33	177.82	-	4.60	4.67	4.75	4.78	-
2342	Brassieres and allied garments	173.91	179.40	181.84	198.89	-	5.10	5.17	5.38	5.39	-
236	Children's outerwear	165.79	164.74	170.88	169.21	-	4.71	4.68	4.76	4.78	-
2361	Children's dresses and blouses	163.78	159.05	167.80	166.37	-	4.72	4.61	4.74	4.74	-
238	Misc. apparel and accessories	186.88	186.02	190.41	193.48	-	5.22	5.24	5.26	5.33	-
239	Misc. fabricated textile products	238.61	238.93	236.22	245.78	-	6.23	6.19	6.20	6.27	-
2391	Curtains and draperies	170.25	178.26	183.49	191.88	-	4.69	4.63	4.88	4.92	-
2392	House furnishing, nec	198.91	205.93	202.61	213.64	-	5.18	5.24	5.36	5.45	-
2396	Automotive and apparel trimmings	436.65	405.73	388.65	409.22	-	10.65	10.43	9.94	10.03	-
26	PAPER AND ALLIED PRODUCTS	393.12	402.63	429.56	427.43	436.90	9.45	9.63	10.06	10.01	10.09
261, 26	Paper and pulp mills	481.11	504.63	531.93	524.07	-	11.06	11.34	11.90	11.83	-
262	Paper mills, except building paper	486.86	511.43	536.85	526.88	-	11.04	11.34	11.93	11.84	-
263	Paperboard mills	475.45	474.97	536.28	535.19	-	11.24	11.67	12.30	12.36	-
264	Misc. converted paper products	336.53	339.39	362.61	364.42	-	8.33	8.38	8.78	8.76	-
2641	Paper coating and glazing	392.89	391.52	423.12	424.84	-	9.49	9.48	9.84	9.88	-
2642	Envelopes	305.12	305.60	315.51	324.42	-	7.59	7.64	8.09	8.05	-
2643	Bags, except textile bags	315.83	320.58	341.11	350.65	-	7.76	7.80	8.18	8.27	-
265	Paperboard containers and boxes	336.19	340.66	362.82	365.43	-	8.24	8.37	8.68	8.68	-
2651	Folding paperboard boxes	344.42	341.78	372.32	366.74	-	8.38	8.46	8.95	8.88	-
2653	Corrugated and solid fiber boxes	356.45	365.29	383.40	393.30	-	8.61	8.76	9.00	9.00	-
2654	Sanitary food containers	319.84	314.03	350.99	349.44	-	7.82	7.91	8.22	8.32	-
27	PRINTING AND PUBLISHING	326.85	331.45	341.25	344.42	350.58	8.81	8.91	9.10	9.16	9.25
271	Newspapers	294.82	301.06	305.52	308.36	-	8.88	8.96	9.12	9.15	-
272	Periodicals	343.90	336.50	359.28	363.22	-	9.05	9.07	9.53	9.66	-
273	Books	311.04	321.26	320.12	327.25	-	8.10	8.41	8.38	8.50	-
2731	Book publishing	299.75	303.75	294.20	296.06	-	7.93	8.10	7.93	7.98	-
2732	Book printing	324.53	341.25	350.37	362.91	-	8.30	8.75	8.87	9.05	-
274	Miscellaneous publishing	305.18	296.75	293.76	293.81	-	8.16	8.13	8.16	8.23	-
275	Commercial printing	351.12	357.20	366.44	368.38	-	9.12	9.23	9.42	9.47	-
2751	Commercial printing, letterpress	331.78	336.98	344.31	343.30	-	8.64	8.73	8.92	8.94	-
2752	Commercial printing, lithographic	356.74	364.72	372.66	376.35	-	9.29	9.40	9.58	9.65	-
276	Manifold business forms	344.57	341.11	386.78	389.27	-	8.79	8.86	9.32	9.38	-
278	Blankbooks and bookbinding	257.72	261.59	274.06	276.12	-	6.80	6.83	7.10	7.08	-
279	Printing trade services	407.29	407.58	419.15	431.98	-	10.69	10.68	10.72	11.02	-
28	CHEMICALS AND ALLIED PRODUCTS	407.41	419.83	440.13	438.84	448.51	10.01	10.19	10.58	10.60	10.73
281	Industrial inorganic chemicals	445.82	456.52	489.90	486.10	-	11.09	11.30	11.72	11.77	-
2819	Industrial inorganic chemicals, nec	450.07	455.66	494.84	493.79	-	11.28	11.42	11.81	11.87	-
282	Plastics materials and synthetics	401.17	424.96	446.27	446.04	-	9.93	10.24	10.55	10.62	-
2821	Plastics materials and resins	441.41	466.05	494.93	494.34	-	10.74	11.07	11.51	11.55	-
2824	Organic fibers, noncellulosic	374.30	402.11	424.95	423.67	-	9.50	9.76	10.07	10.16	-
283	Drugs	373.10	378.12	395.76	396.01	-	9.10	9.20	9.70	9.73	-
2834	Pharmaceutical preparations	354.48	360.37	378.14	379.76	-	8.84	8.92	9.36	9.40	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls by Industry—Continued

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
TEXTILE MILL PRODUCTS—Continued											
2251	Women's hosiery, except socks	38.1	38.0	40.8	41.2	-	1.8	2.3	3.7	3.9	-
2252	Hosiery, nec	37.2	36.6	39.3	39.7	-	1.7	1.8	2.9	2.9	-
2253	Knit outerwear mills	37.7	37.6	36.9	38.4	-	2.2	2.2	2.2	2.8	-
2254	Knit underwear mills	35.2	35.4	35.7	38.2	-	1.0	1.3	1.3	1.7	-
2257	Circular knit fabric mills	39.8	41.0	41.7	42.4	-	3.4	3.5	4.3	4.4	-
226	Textile finishing, except wool	38.3	39.3	39.5	41.7	-	2.3	2.5	3.5	4.5	-
2261	Finishing plants, cotton	37.9	39.1	39.7	41.5	-	2.0	2.2	3.4	4.4	-
2262	Finishing plants, synthetics	38.0	38.3	38.2	41.1	-	2.7	2.7	3.8	4.6	-
227	Floor covering mills	38.9	38.4	42.0	42.9	-	2.4	2.2	4.9	5.4	-
228	Yarn and thread mills	38.2	38.1	40.9	41.3	-	2.5	2.6	3.4	4.0	-
2281	Yarn mills, except wool	38.4	38.8	41.7	41.8	-	2.5	2.8	3.8	4.4	-
2282	Throwing and winding mills	37.6	37.5	37.6	39.2	-	2.4	2.2	2.6	3.2	-
229	Miscellaneous textile goods	40.2	40.5	41.3	43.1	-	2.7	2.7	3.4	4.6	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.3	35.1	36.1	36.6	36.7	1.0	1.0	1.1	1.4	-
231	Men's and boys' suits and coats	34.7	35.1	36.0	35.8	-	.8	.7	1.0	.9	-
232	Men's and boys' furnishings	36.2	35.7	37.5	37.7	-	.9	.9	1.0	1.3	-
2321	Men's and boys' shirts and nighwear	35.9	35.1	36.8	37.1	-	1.1	1.0	.9	1.2	-
2327	Men's and boys' separate trousers	35.6	35.2	37.6	37.5	-	.9	.9	1.1	1.2	-
2328	Men's and boys' work clothing	36.8	36.4	38.1	37.9	-	1.0	1.2	1.1	1.5	-
233	Women's and misses' outerwear	33.5	32.8	34.2	34.8	-	1.0	.8	1.1	1.2	-
2331	Women's and misses' blouses and waists	34.2	34.3	35.4	35.1	-	1.1	1.1	1.0	1.1	-
2335	Women's and misses' dresses	32.6	31.7	32.2	33.0	-	.9	.7	.9	.8	-
2337	Women's and misses' suits and coats	33.2	32.1	34.7	35.2	-	.8	.9	1.1	1.4	-
2339	Women's and misses' outerwear, nec	34.2	33.6	35.2	36.1	-	.9	.8	1.3	1.4	-
234	Women's and children's undergarments	35.7	35.7	36.2	37.2	-	.8	.9	1.2	1.5	-
2341	Women's and children's underwear	36.0	35.9	36.7	37.2	-	.8	1.0	1.3	1.6	-
2342	Brassieres and allied garments	34.1	34.7	33.8	36.9	-	.6	.6	.7	1.2	-
236	Children's outerwear	35.2	35.2	35.9	35.4	-	1.3	.9	1.0	.9	-
2361	Children's dresses and blouses	34.7	34.5	35.4	35.1	-	1.2	.9	.8	.8	-
238	Misc. apparel and accessories	35.8	35.5	36.2	36.3	-	1.1	1.1	1.1	1.5	-
239	Misc. fabricated textile products	38.3	38.6	38.1	39.2	-	1.7	1.8	1.7	2.2	-
2391	Curtains and draperies	36.3	38.5	37.6	39.0	-	1.1	1.6	1.4	1.5	-
2392	House furnishings, nec	38.4	39.3	37.8	39.2	-	1.6	2.7	1.8	2.7	-
2398	Automotive and apparel trimmings	41.0	38.9	39.1	40.8	-	3.6	2.1	2.6	3.5	-
26	PAPER AND ALLIED PRODUCTS	41.6	41.8	42.7	42.7	43.3	4.0	4.7	4.8	4.8	-
261, 2, 6	Paper and pulp mills	43.5	44.5	44.7	44.3	-	5.6	7.1	6.8	6.3	-
262	Paper mills, except building paper	44.1	45.1	45.0	44.5	-	5.8	7.3	6.9	6.4	-
263	Paperboard mills	42.3	40.7	43.6	43.3	-	6.1	7.2	7.2	7.1	-
264	Misc. converted paper products	40.4	40.5	41.3	41.6	-	2.6	2.7	3.0	3.2	-
2641	Paper coating and glazing	41.4	41.3	43.0	43.0	-	2.2	2.7	3.3	3.2	-
2642	Envelopes	40.2	40.0	39.0	40.3	-	2.3	2.2	2.0	3.0	-
2643	Bags, except textile bags	40.7	41.1	41.7	42.4	-	2.9	3.1	3.2	3.8	-
265	Paperboard containers and boxes	40.8	40.7	41.8	42.1	-	3.2	3.5	4.1	4.4	-
2651	Folding paperboard boxes	41.1	40.4	41.6	41.3	-	3.1	3.1	3.6	3.7	-
2653	Corrugated and solid fiber boxes	41.4	41.7	42.6	43.7	-	3.9	4.3	4.7	5.4	-
2654	Sanitary food containers	40.9	39.7	42.7	42.0	-	2.8	2.5	4.2	3.8	-
27	PRINTING AND PUBLISHING	37.1	37.2	37.5	37.6	37.9	2.4	2.5	2.5	2.8	-
271	Newspapers	33.2	33.6	33.5	33.7	-	1.4	1.6	1.5	1.5	-
272	Periodicals	38.0	37.1	37.7	37.6	-	2.7	2.5	1.8	2.1	-
273	Books	38.4	38.2	38.2	38.5	-	2.4	2.1	2.8	3.3	-
2731	Book publishing	37.8	37.5	37.1	37.1	-	1.4	1.1	1.3	1.8	-
2732	Book printing	39.1	39.0	39.5	40.1	-	3.5	3.3	4.5	5.0	-
274	Miscellaneous publishing	37.4	36.5	36.0	35.7	-	1.7	1.4	1.7	2.0	-
275	Commercial printing	38.5	38.7	38.9	38.9	-	2.8	3.1	2.9	3.3	-
2751	Commercial printing, letterpress	38.4	38.6	38.6	38.4	-	2.4	3.0	2.6	2.8	-
2752	Commercial printing, lithographic	38.4	38.8	38.9	39.0	-	2.9	3.1	3.0	3.5	-
276	Manifold business forms	39.2	38.5	41.5	41.5	-	2.2	2.1	3.7	4.0	-
278	Blankbooks and bookbinding	37.9	38.3	38.6	39.0	-	1.4	1.6	1.8	1.9	-
279	Printing trade service	38.1	38.2	39.1	39.2	-	3.8	3.8	3.8	4.3	-
28	CHEMICALS AND ALLIED PRODUCTS	40.7	41.2	41.6	41.4	41.8	2.7	3.1	3.2	3.3	-
281	Industrial inorganic chemicals	40.2	40.4	41.8	41.3	-	2.9	3.5	3.0	2.9	-
2819	Industrial inorganic chemicals, nec	39.9	39.9	41.9	41.6	-	2.9	3.7	3.1	3.0	-
282	Plastics materials and synthetics	40.4	41.5	42.3	42.0	-	2.3	2.8	3.6	3.6	-
2821	Plastics materials and resins	41.1	42.1	43.0	42.8	-	3.3	4.0	4.6	4.7	-
2824	Organic fibers, noncellulosic	39.4	41.2	42.2	41.7	-	1.5	1.8	3.1	3.0	-
283	Drugs	41.0	41.1	40.8	40.7	-	2.6	2.9	2.6	2.7	-
2834	Pharmaceutical preparations	40.1	40.4	40.4	40.4	-	2.6	2.9	2.5	2.7	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	\$375.74	\$374.95	\$397.17	\$392.92	-	\$9.12	\$9.19	\$9.64	\$9.56	-
2841	Soap and other detergents	511.92	513.22	564.93	548.81	-	11.85	11.88	12.61	12.53	-
2844	Toilet preparations	292.40	288.95	303.77	305.35	-	7.31	7.39	7.71	7.75	-
2842, 3	Polishing, sanitation, and finishing preparations	359.51	364.08	361.60	371.54	-	8.79	8.88	9.04	9.04	-
285	Paints and allied products	351.83	354.42	381.61	385.02	-	8.84	8.95	9.24	9.30	-
286	Industrial organic chemicals	493.58	517.23	544.43	541.44	-	11.98	12.17	12.75	12.80	-
2885	Cyclic crudes and intermediates	462.64	477.43	496.39	497.72	-	11.48	11.56	11.99	12.11	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	503.40	530.24	558.58	553.80	-	12.13	12.36	12.96	13.00	-
287	Agricultural chemicals	412.67	421.10	434.93	432.60	-	9.92	10.05	10.43	10.50	-
289	Miscellaneous chemical products	369.08	380.95	396.73	397.29	-	9.25	9.36	9.70	9.69	-
29	PETROLEUM AND COAL PRODUCTS	546.48	572.49	584.76	570.71	\$586.53	12.42	12.61	13.20	13.15	\$13.30
291	Petroleum refining	585.63	617.38	633.49	621.74	-	13.34	13.48	14.30	14.26	-
295	Paving and roofing materials	445.33	446.03	448.84	430.66	-	9.66	9.76	9.93	9.81	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	304.10	308.09	329.65	330.84	337.74	7.66	7.78	8.06	8.03	8.08
301	Tires and inner tubes	465.20	481.39	530.80	535.46	-	11.63	11.77	12.46	12.54	-
302	Rubber and plastics footwear	185.20	189.07	199.29	194.53	-	5.06	5.11	5.11	5.16	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	326.42	323.60	337.84	344.45	-	8.04	8.01	8.22	8.30	-
306	Fabricated rubber products, nec	290.60	289.69	303.76	315.83	-	7.32	7.39	7.69	7.76	-
307	Miscellaneous plastics products	278.69	281.56	300.94	300.03	-	7.02	7.11	7.34	7.30	-
31	LEATHER AND LEATHER PRODUCTS	192.95	192.06	207.00	207.35	211.10	5.33	5.41	5.52	5.50	5.57
311	Leather tanning and finishing	282.43	277.03	302.65	296.91	-	7.15	7.14	7.51	7.46	-
314	Footwear, except rubber	184.17	183.05	196.04	195.52	-	5.13	5.23	5.27	5.27	-
3143	Men's footwear, except athletic	193.50	193.83	204.75	209.72	-	5.36	5.46	5.46	5.49	-
3144	Women's footwear, except athletic	179.72	176.47	193.14	189.95	-	5.02	5.13	5.22	5.19	-
316	Luggage	209.51	210.50	231.57	240.47	-	5.74	5.88	6.11	6.15	-
317	Handbags and personal leather goods	177.51	175.23	189.74	197.88	-	4.89	4.95	5.17	5.10	-
-	TRANSPORTATION AND PUBLIC UTILITIES	410.55	405.85	425.71	419.44	430.81	10.42	10.46	10.86	10.70	10.99
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	489.72	465.92	540.62	-	-	11.55	11.59	13.09	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	279.73	246.29	283.87	284.17	-	7.54	7.33	7.82	7.85	-
411	Local and suburban transportation	306.46	305.36	318.45	317.24	-	7.70	7.77	8.25	8.24	-
413	Intercity highway transportation	450.07	443.48	449.63	445.74	-	11.97	12.15	11.99	11.95	-
42	TRUCKING AND WAREHOUSING	397.31	397.58	400.28	402.87	-	10.24	10.30	10.37	10.33	-
421, 3	Trucking and trucking terminals	405.07	404.64	406.84	410.28	-	10.44	10.51	10.54	10.52	-
422	Public warehousing	280.67	290.77	290.70	287.90	-	7.29	7.38	7.63	7.42	-
46	PIPE LINES, EXCEPT NATURAL GAS	535.92	567.24	596.29	570.96	-	12.76	13.04	14.13	13.96	-
48	COMMUNICATION	409.76	414.36	428.65	375.58	-	10.40	10.49	10.77	9.68	-
481	Telephone communication	437.30	440.50	460.16	450.24	-	10.96	11.04	11.39	11.20	-
4817	Switchboard operating employees	316.54	316.85	349.75	332.16	-	9.31	9.43	9.88	9.60	-
4818	Line construction employees ⁴	543.57	548.27	561.59	549.11	-	12.73	12.84	13.03	12.77	-
483	Radio and television broadcasting	324.97	332.61	332.11	335.33	-	8.62	8.73	8.88	8.99	-
49	ELECTRIC, GAS, AND SANITARY SERVICES ..	443.21	450.58	472.47	476.93	-	10.81	10.91	11.44	11.52	-
491	Electric services	452.92	459.26	478.91	481.82	-	10.94	11.04	11.54	11.61	-
492	Gas production and distribution	389.60	398.52	421.43	423.05	-	9.74	9.84	10.38	10.42	-
493	Combination utility services	510.88	516.25	557.86	568.58	-	12.40	12.50	13.41	13.57	-
495	Sanitary services	356.42	364.46	375.53	370.18	-	8.63	8.74	8.92	8.92	-
-	WHOLESALE AND RETAIL TRADE	201.50	200.30	210.60	209.30	208.63	6.20	6.24	6.48	6.46	6.54
50, 51	WHOLESALE TRADE	311.50	311.04	326.70	325.08	327.79	8.07	8.10	8.42	8.40	8.47
50	WHOLESALE TRADE-DURABLE GOODS	312.00	310.76	326.54	326.14	-	8.00	8.03	8.33	8.32	-
501	Motor vehicles and automotive equipment	277.59	278.78	295.27	295.66	-	7.21	7.26	7.61	7.62	-
502	Furniture and home furnishings	279.74	280.12	281.62	278.26	-	7.44	7.51	7.55	7.44	-
503	Lumber and construction materials	310.05	310.81	318.39	318.79	-	7.95	7.99	8.02	8.03	-
504	Sporting goods, toys, and hobby goods	331.66	324.42	331.13	332.12	-	8.57	8.56	8.76	8.74	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	41.2	40.8	41.2	41.1	-	3.2	3.1	3.0	3.3	-
2841	Soap and other detergents	43.2	43.2	44.8	43.8	-	4.7	4.6	5.5	5.0	-
2844	Toilet preparations	40.0	39.1	39.4	39.4	-	2.3	2.1	1.8	2.6	-
2842, 3	Polishing, sanitation, and finishing preparations	40.9	41.0	40.0	41.1	-	2.8	3.1	2.1	2.7	-
285	Paints and allied products	39.8	39.6	41.3	41.4	-	2.3	2.1	3.0	3.3	-
286	Industrial organic chemicals	41.2	42.5	42.7	42.3	-	2.7	3.3	3.7	3.6	-
2865	Cyclic crudes and intermediates	40.3	41.3	41.4	41.1	-	2.5	3.0	3.1	3.4	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	41.5	42.9	43.1	42.6	-	2.8	3.4	3.9	3.6	-
287	Agricultural chemicals	41.6	41.9	41.7	41.2	-	3.3	3.7	4.0	3.6	-
289	Miscellaneous chemical products	39.9	40.7	40.9	41.0	-	2.3	2.8	2.7	3.1	-
29	PETROLEUM AND COAL PRODUCTS	44.0	45.4	44.3	43.4	44.1	4.3	4.5	4.3	3.9	-
291	Petroleum refining	43.9	45.8	44.3	43.6	-	3.5	3.8	3.6	3.2	-
295	Paving and roofing materials	46.1	45.7	45.2	43.9	-	8.1	8.0	7.9	7.0	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	39.7	39.6	40.9	41.2	41.8	2.8	2.8	3.6	3.7	-
301	Tires and inner tubes	40.0	40.9	42.6	42.7	-	3.0	2.9	4.8	5.1	-
302	Rubber and plastics footwear	36.6	37.0	39.0	37.7	-	1.0	1.1	1.2	1.6	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	40.6	40.4	41.1	41.5	-	2.3	2.6	3.2	4.0	-
306	Fabricated rubber products, nec	39.7	39.2	39.5	40.7	-	2.3	2.4	2.6	3.0	-
307	Miscellaneous plastics products	39.7	39.6	41.0	41.1	-	3.0	2.9	3.6	3.6	-
31	LEATHER AND LEATHER PRODUCTS	36.2	35.5	37.5	37.7	37.9	1.2	1.2	1.2	1.6	-
311	Leather tanning and finishing	39.5	38.8	40.3	39.8	-	2.5	1.9	3.0	3.1	-
314	Footwear, except rubber	35.9	35.0	37.2	37.1	-	1.2	1.1	.9	1.3	-
3143	Men's footwear, except athletic	36.1	35.5	37.5	38.2	-	.7	.7	.7	1.2	-
3144	Women's footwear, except athletic	35.8	34.4	37.0	36.6	-	1.5	1.4	1.2	1.5	-
316	Luggage	36.5	35.8	37.9	39.1	-	1.5	1.6	2.4	2.5	-
317	Handbags and personal leather goods	36.3	35.4	36.7	38.8	-	1.0	1.0	.9	1.7	-
-	TRANSPORTATION AND PUBLIC UTILITIES	39.4	38.8	39.2	39.2	39.2	-	-	-	-	-
4011	RAILROAD TRANSPORTATION: Class I railroads ²	42.4	40.2	41.3	-	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	37.1	33.6	36.3	36.2	-	-	-	-	-	-
411	Local and suburban transportation	39.8	39.3	38.6	38.5	-	-	-	-	-	-
413	Intercity highway transportation	37.6	36.5	37.5	37.3	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	38.8	38.6	38.6	39.0	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	38.8	38.5	38.6	39.0	-	-	-	-	-	-
422	Public warehousing	38.5	39.4	38.1	38.2	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	42.0	43.5	42.2	40.9	-	-	-	-	-	-
48	COMMUNICATION	39.4	39.5	39.8	38.8	-	-	-	-	-	-
481	Telephone communication	39.9	39.9	40.4	40.2	-	-	-	-	-	-
4817	Switchboard operating employees ³	34.0	33.6	35.4	34.6	-	-	-	-	-	-
4818	Line construction employees ⁴	42.7	42.7	43.1	43.0	-	-	-	-	-	-
483	Radio and television broadcasting	37.7	38.1	37.4	37.3	-	-	-	-	-	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.0	41.3	41.3	41.4	-	-	-	-	-	-
491	Electric services	41.4	41.6	41.5	41.5	-	-	-	-	-	-
492	Gas production and distribution	40.0	40.5	40.6	40.6	-	-	-	-	-	-
493	Combination utility services	41.2	41.3	41.6	41.9	-	-	-	-	-	-
495	Sanitary services	41.3	41.7	42.1	41.5	-	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE	32.5	32.1	32.5	32.4	31.9	-	-	-	-	-
50, 51	WHOLESALE TRADE	38.6	38.4	38.8	38.7	38.7	-	-	-	-	-
50	WHOLESALE TRADE-DURABLE GOODS	39.0	38.7	39.2	39.2	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	38.5	38.4	38.8	38.8	-	-	-	-	-	-
502	Furniture and home furnishings	37.6	37.3	37.3	37.4	-	-	-	-	-	-
503	Lumber and construction materials	39.0	38.9	39.7	39.7	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	38.7	37.9	37.8	38.0	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	\$355.94	\$350.61	\$361.03	\$368.65	-	\$9.08	\$8.99	\$9.14	\$9.08	-
506	Electrical goods	338.52	335.71	351.00	345.15	-	8.57	8.63	9.00	8.85	-
507	Hardware, plumbing, and heating equipment	291.75	291.04	306.92	306.54	-	7.50	7.54	7.89	7.84	-
508	Machinery, equipment, and supplies	323.44	322.97	341.75	342.47	-	8.23	8.26	8.63	8.67	-
509	Miscellaneous durable goods	248.82	250.33	264.65	265.34	-	6.60	6.64	6.91	6.91	-
51	WHOLESALE TRADE-NON-DURABLE GOODS	310.46	310.78	326.23	324.23	-	8.17	8.20	8.54	8.51	-
511	Paper and paper products	331.50	326.71	343.55	344.45	-	8.84	8.83	9.26	9.21	-
512	Drugs, proprietaries, and sundries	335.02	338.83	353.23	353.57	-	8.91	8.87	9.37	9.28	-
513	Apparel, piece goods, and notions	281.15	279.96	304.79	302.21	-	7.64	7.67	8.26	8.19	-
514	Groceries and related products	313.29	313.12	329.34	329.18	-	8.18	8.24	8.51	8.55	-
516	Chemicals and allied products	369.02	372.10	390.26	390.44	-	9.56	9.64	9.89	9.81	-
517	Petroleum and petroleum products	376.99	391.07	394.76	391.42	-	9.52	9.68	9.82	9.81	-
518	Beer, wine, and distilled beverages	355.62	349.93	379.04	369.96	-	9.69	9.64	10.30	10.22	-
519	Miscellaneous nondurable goods	254.79	253.26	257.94	254.76	-	6.67	6.70	6.86	6.83	-
52-59	RETAIL TRADE	167.62	165.55	175.03	173.85	\$171.95	5.46	5.50	5.72	5.70	\$5.77
52	BUILDING MATERIALS AND GARDEN SUPPLIES	220.83	218.99	228.13	226.88	-	6.05	6.10	6.25	6.25	-
521	Lumber and other building materials	237.88	232.36	240.96	239.39	-	6.26	6.28	6.46	6.47	-
525	Hardware stores	182.34	180.69	189.06	187.21	-	5.27	5.33	5.48	5.49	-
53	GENERAL MERCHANDISE STORES	161.22	160.19	170.03	168.94	-	5.41	5.43	5.63	5.65	-
531	Department stores	167.21	166.11	175.48	174.34	-	5.63	5.65	5.83	5.87	-
533	Variety stores	126.00	124.86	133.59	132.07	-	4.20	4.19	4.38	4.33	-
539	Misc. general merchandise stores	134.42	130.96	141.96	141.82	-	4.35	4.38	4.55	4.56	-
54	FOOD STORES	227.02	225.95	236.05	233.50	-	7.23	7.36	7.47	7.46	-
541	Grocery stores	237.32	236.08	246.91	243.81	-	7.51	7.64	7.74	7.74	-
546	Retail bakeries	148.89	145.58	145.12	145.41	-	5.03	5.02	5.11	5.12	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	238.26	234.62	254.82	250.80	-	6.32	6.29	6.85	6.76	-
551, 2	New and used car dealers	281.53	277.07	313.81	306.18	-	7.37	7.33	8.28	8.10	-
553	Auto and home supply stores	246.63	238.14	248.75	244.67	-	6.03	5.88	6.25	6.21	-
554	Gasoline service stations	178.86	177.76	181.98	181.12	-	5.01	5.05	5.17	5.16	-
56	APPAREL AND ACCESSORY STORES	139.49	136.92	143.42	141.20	-	4.81	4.89	4.98	4.92	-
561	Men's and boys' clothing and furnishings	173.22	168.91	181.38	178.54	-	5.43	5.52	5.74	5.65	-
562	Women's ready-to-wear stores	124.65	122.66	131.41	129.27	-	4.50	4.56	4.66	4.65	-
565	Family clothing stores	140.42	137.05	143.00	140.43	-	4.76	4.86	5.00	4.91	-
568	Shoe stores	144.83	140.72	147.29	146.37	-	4.96	5.08	5.15	5.03	-
57	FURNITURE AND HOME FURNISHINGS STORES	216.60	215.34	225.98	226.38	-	6.26	6.26	6.55	6.60	-
571	Furniture and home furnishings stores	215.12	215.17	225.20	223.29	-	6.29	6.31	6.49	6.51	-
572	Household appliance stores	232.17	233.95	244.28	245.66	-	6.54	6.59	7.06	7.10	-
573	Radio, television, and music stores	213.31	206.31	220.59	224.04	-	6.06	5.98	6.45	6.57	-
58	EATING AND DRINKING PLACES⁵	111.79	110.29	115.87	115.60	-	4.08	4.10	4.26	4.25	-
59	MISCELLANEOUS RETAIL	170.86	168.33	177.10	177.41	-	5.39	5.43	5.64	5.65	-
591	Drug stores and proprietary stores	152.44	151.84	156.80	158.34	-	5.15	5.20	5.37	5.46	-
594	Miscellaneous shopping goods stores	155.43	148.90	158.00	157.90	-	4.95	4.98	5.13	5.11	-
596	Nonstore retailers	206.84	205.55	217.70	219.22	-	6.23	6.21	6.46	6.41	-
598	Fuel and ice dealers	267.67	268.53	265.76	284.99	-	7.10	7.18	7.60	7.62	-
599	Retail stores, nec	186.58	181.06	152.79	190.71	-	5.52	5.52	5.86	5.85	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁶	249.02	249.09	264.99	261.00	263.52	6.86	6.90	7.30	7.23	7.32
60	BANKING	217.86	215.49	228.38	225.32	-	5.92	5.92	6.24	6.19	-
602	Commercial and stock savings banks	211.60	209.51	223.99	220.58	-	5.75	5.74	6.12	6.06	-
61	CREDIT AGENCIES OTHER THAN BANKS	224.85	220.83	236.53	235.42	-	6.11	6.05	6.41	6.38	-
612	Savings and loan associations	204.33	200.07	209.38	207.94	-	5.66	5.62	5.80	5.76	-
614	Personal credit institutions	228.28	224.96	245.05	243.17	-	6.12	6.08	6.50	6.45	-
63	INSURANCE CARRIERS	287.23	286.44	305.70	306.08	-	7.68	7.70	8.24	8.25	-
631	Life insurance	290.19	288.64	310.96	311.33	-	7.78	7.78	8.45	8.46	-
632	Medical service and health insurance	273.39	271.93	291.72	293.22	-	7.31	7.31	7.80	7.84	-
633	Fire, marine, and casualty insurance	287.21	287.93	303.40	304.14	-	7.70	7.74	8.20	8.22	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	39.2	39.0	39.5	40.6	-	-	-	-	-	
506	Electrical goods	39.5	38.9	39.0	39.0	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment	38.9	38.6	38.9	39.1	-	-	-	-	-	
508	Machinery, equipment, and supplies	39.3	39.1	39.6	39.5	-	-	-	-	-	
509	Miscellaneous durable goods	37.7	37.7	38.3	38.4	-	-	-	-	-	
51	WHOLESALE TRADE-NONDURABLE GOODS ..	38.0	37.9	38.2	38.1	-	-	-	-	-	
511	Paper and paper products	37.5	37.0	37.1	37.4	-	-	-	-	-	
512	Drugs, proprietaries, and sundries	37.6	38.2	37.9	38.1	-	-	-	-	-	
513	Apparel, piece goods, and notions	36.8	36.5	36.9	36.9	-	-	-	-	-	
514	Groceries and related products	38.3	38.0	38.7	38.5	-	-	-	-	-	
516	Chemicals and allied products	38.6	38.6	39.5	39.8	-	-	-	-	-	
517	Petroleum and petroleum products	39.6	40.4	40.2	39.9	-	-	-	-	-	
518	Beer, wine, and distilled beverages	36.7	36.3	36.8	36.2	-	-	-	-	-	
519	Miscellaneous nondurable goods	38.2	37.8	37.6	37.3	-	-	-	-	-	
52-59	RETAIL TRADE	30.7	30.1	30.6	30.5	29.8	-	-	-	-	
52	BUILDING MATERIALS AND GARDEN SUPPLIES	36.5	35.9	36.5	36.3	-	-	-	-	-	
521	Lumber and other building materials	38.0	37.0	37.3	37.0	-	-	-	-	-	
525	Hardware stores	34.6	33.9	34.5	34.1	-	-	-	-	-	
53	GENERAL MERCHANDISE STORES	29.8	29.5	30.2	29.9	-	-	-	-	-	
531	Department stores	29.7	29.4	30.1	29.7	-	-	-	-	-	
533	Variety stores	30.0	29.8	30.5	30.5	-	-	-	-	-	
539	Misc. general merchandise stores	30.9	29.9	31.2	31.1	-	-	-	-	-	
54	FOOD STORES	31.4	30.7	31.6	31.3	-	-	-	-	-	
541	Grocery stores	31.6	30.9	31.9	31.5	-	-	-	-	-	
546	Retail bakeries	29.6	29.0	28.4	28.4	-	-	-	-	-	
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	37.7	37.3	37.2	37.1	-	-	-	-	-	
551, 2	New and used car dealers	38.2	37.8	37.9	37.8	-	-	-	-	-	
553	Auto and home supply stores	40.9	40.5	39.8	39.4	-	-	-	-	-	
554	Gasoline service stations	35.7	35.2	35.2	35.1	-	-	-	-	-	
56	APPAREL AND ACCESSORY STORES	29.0	28.0	28.8	28.7	-	-	-	-	-	
561	Men's and boys' clothing and furnishings	31.9	30.6	31.6	31.6	-	-	-	-	-	
562	Women's ready-to-wear stores	27.7	26.9	28.2	27.8	-	-	-	-	-	
565	Family clothing stores	29.5	28.2	28.6	28.6	-	-	-	-	-	
566	Shoe stores	29.2	27.7	28.6	29.1	-	-	-	-	-	
57	FURNITURE AND HOME FURNISHINGS STORES	34.6	34.4	34.5	34.3	-	-	-	-	-	
571	Furniture and home furnishings stores	34.2	34.1	34.7	34.3	-	-	-	-	-	
572	Household appliance stores	35.5	35.5	34.6	34.6	-	-	-	-	-	
573	Radio, television, and music stores	35.2	34.5	34.2	34.1	-	-	-	-	-	
58	EATING AND DRINKING PLACES	27.4	26.9	27.2	27.2	-	-	-	-	-	
59	MISCELLANEOUS RETAIL	31.7	31.0	31.4	31.4	-	-	-	-	-	
591	Drug stores and proprietary stores	29.6	29.2	29.2	29.0	-	-	-	-	-	
594	Miscellaneous shopping goods stores	31.4	29.9	30.8	30.9	-	-	-	-	-	
596	Nonstore retailers	33.2	33.1	33.7	34.2	-	-	-	-	-	
598	Fuel and ice dealers	37.7	37.4	37.6	37.4	-	-	-	-	-	
599	Retail stores, nec	33.8	32.8	32.9	32.6	-	-	-	-	-	
-	FINANCE, INSURANCE, AND REAL ESTATE	36.3	36.1	36.3	36.1	36.0	-	-	-	-	
60	BANKING	36.8	36.4	36.6	36.4	-	-	-	-	-	
602	Commercial and stock savings banks	36.8	36.5	36.6	36.4	-	-	-	-	-	
61	CREDIT AGENCIES OTHER THAN BANKS	36.8	36.5	36.9	36.9	-	-	-	-	-	
612	Savings and loan associations	36.1	35.6	36.1	36.1	-	-	-	-	-	
614	Personal credit institutions	37.3	37.0	37.7	37.7	-	-	-	-	-	
63	INSURANCE CARRIERS	37.4	37.2	37.1	37.1	-	-	-	-	-	
631	Life insurance	37.3	37.1	36.8	36.8	-	-	-	-	-	
632	Medical service and health insurance	37.4	37.2	37.4	37.4	-	-	-	-	-	
633	Fire, marine, and casualty insurance	37.3	37.2	37.0	37.0	-	-	-	-	-	

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
-	SERVICES	\$227.70	\$228.57	\$237.66	\$237.66	\$239.11	\$6.90	\$6.99	\$7.18	\$7.18	\$7.29
701	HOTELS AND OTHER LODGING PLACES: Hotels, motels, and tourist courts ²	157.23	154.64	163.07	162.30	-	4.96	5.07	5.21	5.12	-
721	PERSONAL SERVICES: Laundry, cleaning, and garment services	172.16	172.64	182.65	182.65	-	5.17	5.20	5.42	5.42	-
723	Beauty shops ³	155.44	154.33	157.56	152.54	-	5.36	5.34	5.49	5.39	-
73	BUSINESS SERVICES	231.99	230.81	245.09	246.96	-	7.03	7.08	7.36	7.35	-
731	Advertising	340.33	331.92	352.47	349.57	-	9.49	9.22	9.71	9.63	-
734	Services to buildings	154.10	157.45	169.96	169.20	-	5.75	5.91	6.07	6.00	-
737	Computer and data processing services	325.73	328.21	346.84	347.42	-	8.64	8.66	9.20	9.24	-
75	AUTO REPAIR, SERVICES, AND GARAGES	254.60	254.39	264.34	262.27	-	6.70	6.73	6.92	6.92	-
753	Automotive repair shops	280.80	281.64	292.43	291.69	-	7.20	7.24	7.46	7.46	-
76	MISCELLANEOUS REPAIR SERVICES	309.16	312.48	319.22	319.61	-	8.03	8.18	8.27	8.28	-
78	MOTION PICTURES	242.81	238.75	263.84	289.71	-	8.49	8.81	9.29	9.99	-
781	Motion picture production and services	490.27	482.47	543.13	580.46	-	12.97	12.63	13.75	14.77	-
79	AMUSEMENT AND RECREATION SERVICES	184.18	189.49	196.95	192.64	-	5.81	6.38	6.06	6.02	-
80	HEALTH SERVICES	232.36	235.10	242.22	241.08	-	7.02	7.06	7.34	7.35	-
801	Offices of physicians	219.15	221.68	226.51	225.48	-	6.87	6.80	7.26	7.25	-
802	Offices of dentists	191.48	193.01	197.10	196.82	-	6.79	6.82	7.09	7.08	-
805	Nursing and personal care facilities	155.03	155.67	163.90	160.40	-	4.86	4.88	5.09	5.06	-
806	Hospitals	262.89	267.11	280.61	279.67	-	7.62	7.72	8.11	8.13	-
81	LEGAL SERVICES	308.48	300.81	325.15	318.55	-	8.89	8.77	9.29	9.18	-
89	MISCELLANEOUS SERVICES	403.78	399.00	414.38	416.52	-	10.38	10.31	10.68	10.68	-
891	Engineering and architectural services	437.27	438.06	453.72	454.46	-	11.07	11.09	11.40	11.39	-
893	Accounting, auditing, and bookkeeping	332.88	328.10	346.41	349.15	-	8.76	8.68	9.14	9.14	-

¹ For coverage of series, see footnote 1, table B-2.

² Beginning January 1978, data relate to line haul railroads with operating revenues of \$50,000,000 or more.

³ Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1977, such employees made up 20 percent of the total number of non-supervisory employees in establishments reporting hours and earnings data.

⁴ Data relate to employees in such occupations in the telephone industry as central office craft persons; installation and exchange repair craft persons; line, cable and conduit craft persons; and laborers. In 1977, such employees made up 37 percent of the

total number of nonsupervisory employees in establishments reporting hours and earnings data.

* Money payments only; tips, not included.

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

- Data not available.

p=preliminary.

NOTE: Data from April 1982 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" under the Establishment Data section of the Explanatory Notes.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
	SERVICES	33.0	32.7	33.1	33.1	32.8	-	-	-	-	-
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts ⁵	31.7	30.5	31.3	31.7	-	-	-	-	-	
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	33.3	33.2	33.7	33.7	-	-	-	-	-	
723	Beauty shops ⁵	29.0	28.9	28.7	28.3	-	-	-	-	-	
	BUSINESS SERVICES	33.0	32.6	33.3	33.6	-	-	-	-	-	
731	Advertising	35.9	36.0	36.3	36.3	-	-	-	-	-	
734	Services to buildings	26.8	27.1	28.0	28.2	-	-	-	-	-	
737	Computer and data processing services	37.7	37.9	37.7	37.6	-	-	-	-	-	
	AUTO REPAIR, SERVICES, AND GARAGES	38.0	37.8	38.2	37.9	-	-	-	-	-	
753	Automotive repair shops	39.0	38.9	39.2	39.1	-	-	-	-	-	
76	MISCELLANEOUS REPAIR SERVICES	38.5	38.2	38.6	38.6	-	-	-	-	-	
	MOTION PICTURES	28.6	27.1	28.4	29.0	-	-	-	-	-	
781	Motion picture production and services	37.8	38.2	39.5	39.3	-	-	-	-	-	
79	AMUSEMENT AND RECREATION SERVICES	31.7	29.7	32.5	32.0	-	-	-	-	-	
	HEALTH SERVICES	33.1	33.3	33.0	32.8	-	-	-	-	-	
801	Offices of physicians	31.9	32.6	31.2	31.1	-	-	-	-	-	
802	Offices of dentists	28.2	28.3	27.8	27.8	-	-	-	-	-	
805	Nursing and personal care facilities	31.9	31.9	32.2	31.7	-	-	-	-	-	
806	Hospitals	34.5	34.6	34.6	34.4	-	-	-	-	-	
81	LEGAL SERVICES	34.7	34.3	35.0	34.7	-	-	-	-	-	
	MISCELLANEOUS SERVICES	38.9	38.7	38.8	39.0	-	-	-	-	-	
891	Engineering and architectural services	39.5	39.5	39.8	39.9	-	-	-	-	-	
893	Accounting, auditing, and bookkeeping	38.0	37.8	37.9	38.2	-	-	-	-	-	

ESTABLISHMENT DATA HOURS AND EARNINGS

C-3. Average hourly earnings excluding overtime of production workers on manufacturing payrolls by industry

Major industry group	Average hourly earnings excluding overtime ¹				
	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
MANUFACTURING	\$8.26	\$8.33	\$8.54	\$8.45	\$8.54
DURABLE GOODS	8.85	8.92	9.08	8.99	9.10
Lumber and wood products	7.32	7.41	7.51	7.51	-
Furniture and fixtures	6.23	6.26	6.47	6.46	-
Stone, clay, and glass products	8.52	8.62	8.86	8.80	-
Primary metal industries	11.19	11.23	10.96	10.84	-
Fabricated metal products	8.63	8.68	8.80	8.76	-
Machinery, except electrical	9.12	9.19	9.36	9.29	-
Electric and electronic equipment	8.11	8.18	8.44	8.37	-
Transportation equipment	10.80	10.87	11.11	11.04	-
Instruments and related products	8.01	8.07	8.37	8.28	-
Miscellaneous manufacturing industries	6.27	6.35	6.68	6.63	-
NONDURABLE GOODS	7.48	7.56	7.81	7.74	7.77
Food and kindred products	7.49	7.51	7.80	7.72	-
Tobacco manufactures	9.29	9.33	10.66	10.05	-
Textile mill products	5.66	5.69	5.91	5.91	-
Apparel and other textile products	5.12	5.15	5.26	5.26	-
Paper and allied products	9.01	9.12	9.53	9.48	-
Printing and publishing	8.54	8.62	8.81	8.83	-
Chemicals and allied products	9.69	9.82	10.19	10.20	-
Petroleum and coal products	11.85	12.02	12.58	12.59	-
Rubber and misc. plastics products	7.40	7.51	7.72	7.69	-
Leather and leather products	5.24	5.32	5.43	5.39	-

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

p = preliminary.

C-4. Gross average weekly earnings of production or nonsupervisory workers' on private nonagricultural payrolls by industry division, in current and constant (1977) dollars

Industry	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
TOTAL PRIVATE:					
Current dollars	\$271.04	\$270.05	\$283.20	\$281.0P	\$286.28
Constant (1977) dollars	168.24	167.42	172.37	170.35	-
MINING:					
Current dollars	461.31	461.58	475.31	480.38	\$486.49
Constant (1977) dollars	286.35	286.16	289.29	291.14	-
CONSTRUCTION:					
Current dollars	438.42	433.21	450.00	449.92	\$456.44
Constant (1977) dollars	272.14	268.57	273.89	272.68	-
MANUFACTURING:					
Current dollars	331.89	334.15	354.40	353.36	\$362.64
Constant (1977) dollars	206.01	207.16	215.70	214.16	-
TRANSPORTATION AND PUBLIC UTILITIES:					
Current dollars	410.55	405.85	425.71	419.44	\$430.81
Constant (1977) dollars	254.84	251.61	259.11	254.21	-
WHOLESALE AND RETAIL TRADE:					
Current dollars	201.50	200.30	210.60	209.30	\$208.63
Constant (1977) dollars	125.08	124.18	128.18	126.85	-
FINANCE, INSURANCE, AND REAL ESTATE:					
Current dollars	249.02	249.09	264.99	261.00	\$263.52
Constant (1977) dollars	154.57	154.43	161.28	158.18	-
SERVICES:					
Current dollars	227.70	228.57	237.66	237.66	\$239.11
Constant (1977) dollars	141.34	141.70	144.65	144.04	-

¹ For coverage of series, see footnote 1, table B-2.

p = preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-5. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division and major manufacturing group

(1977=100)

Industry division and group	Aug. 1982	Sept. 1982	July 1983	Aug. 1983P	Sept. 1983P
	Hours				
TOTAL PRIVATE	106.1	105.1	107.9	107.4	108.6
GOODS-PRODUCING	92.0	91.7	93.5	95.7	98.0
MINING	128.2	124.8	114.7	116.8	116.5
CONSTRUCTION	110.6	106.9	113.4	116.2	115.9
MANUFACTURING	86.7	87.2	88.7	90.8	93.7
DURABLE GOODS	82.7	83.0	85.7	86.9	90.6
Lumber and wood products.....	80.6	80.8	96.7	100.8	100.9
Furniture and fixtures.....	87.0	86.7	92.4	97.3	99.0
Stone, clay, and glass products.....	82.4	82.1	85.9	87.9	89.3
Primary metal industries.....	66.1	64.4	66.2	67.0	69.6
Fabricated metal products.....	80.7	80.9	81.6	84.8	87.9
Machinery, except electrical.....	85.5	85.9	82.4	82.7	86.4
Electric and electronic equipment.....	94.0	93.8	99.3	100.0	104.9
Transportation equipment.....	75.6	78.6	84.5	82.3	89.7
Instruments and related products.....	106.5	105.9	100.5	101.8	104.1
Miscellaneous manufacturing industries.....	83.5	84.4	81.2	85.0	87.7
NONDURABLE GOODS	92.7	93.5	93.1	96.5	98.3
Food and kindred products.....	103.6	105.1	98.2	103.9	106.1
Tobacco manufactures.....	98.6	102.8	77.6	87.5	91.8
Textile mill products.....	75.6	75.9	79.3	84.0	85.5
Apparel and other textile products.....	86.1	86.2	86.1	91.2	92.6
Paper and allied products.....	92.2	93.2	94.8	95.5	97.6
Printing and publishing.....	105.3	106.1	107.5	108.1	109.7
Chemicals and allied products.....	94.9	95.5	95.6	94.9	96.4
Petroleum and coal products.....	95.8	100.6	96.1	93.7	95.4
Rubber and misc. plastics products.....	92.8	93.6	100.2	103.6	106.4
Leather and leather products.....	84.1	81.5	78.6	86.8	86.7
SERVICE-PRODUCING	113.9	112.5	115.8	113.9	114.4
TRANSPORTATION AND PUBLIC UTILITIES	102.8	102.3	100.8	85.1	102.2
WHOLESALE AND RETAIL TRADE	107.2	105.8	107.7	107.9	105.7
WHOLESALE TRADE	109.4	108.4	109.1	109.1	109.2
RETAIL TRADE	106.4	104.7	107.2	107.4	104.4
FINANCE, INSURANCE, AND REAL ESTATE	118.7	116.7	121.3	121.0	118.9
SERVICES	124.6	123.0	129.5	129.4	128.0

¹ For coverage of series, see footnote 1, table B-2.

p = preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-5. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division and major manufacturing group—Continued

(1977=100)

Industry division and group	Aug. 1982	Sept. 1982	July 1983	Aug. 1983 ^P	Sept. 1983 ^P
	Payrolls				
TOTAL PRIVATE	155.6	155.5	164.4	162.5	167.8
GOODS-PRODUCING	139.1	139.6	145.9	148.7	153.9
MINING	200.8	197.4	186.6	189.3	190.3
CONSTRUCTION	159.2	154.9	164.8	169.8	171.3
MANUFACTURING	130.0	132.1	138.4	140.5	147.0
DURABLE GOODS	124.0	125.5	133.0	133.9	141.8
Lumber and wood products	119.6	121.3	148.5	155.0	155.5
Furniture and fixtures	127.7	127.8	141.5	149.5	153.2
Stone, clay, and glass products	126.5	127.6	138.0	140.6	144.3
Primary metal industries	102.6	100.4	101.6	102.1	107.1
Fabricated metal products	121.0	121.9	125.8	130.7	137.2
Machinery, except electrical	127.7	129.3	127.0	127.0	134.4
Electric and electronic equipment	144.7	145.8	160.2	160.2	170.6
Transportation equipment	115.9	121.2	134.8	130.2	145.3
Instruments and related products	164.5	164.8	162.8	163.5	169.3
Miscellaneous manufacturing industries	122.4	125.7	126.9	132.4	137.4
NONDURABLE GOODS	140.5	143.5	147.8	152.2	156.1
Food and kindred products	151.6	154.6	149.4	157.2	160.6
Tobacco manufactures	169.2	177.2	151.8	161.5	164.2
Textile mill products	110.5	111.6	122.7	130.6	133.5
Apparel and other textile products	123.5	128.4	127.1	134.9	138.7
Paper and allied products	146.1	150.5	160.1	160.5	165.2
Printing and publishing	151.5	154.5	159.7	161.7	165.7
Chemicals and allied products	147.6	151.3	157.3	156.5	160.9
Petroleum and coal products	151.9	162.1	162.0	157.4	162.1
Rubber and misc. plastics products	137.5	140.7	156.1	160.8	166.1
Leather and leather products	124.2	122.2	120.3	132.4	133.9
SERVICE-PRODUCING	167.4	166.7	177.5	172.3	177.6
TRANSPORTATION AND PUBLIC UTILITIES	153.3	153.1	156.5	130.2	160.6
WHOLESALE AND RETAIL TRADE	155.5	154.3	163.0	162.9	161.7
WHOLESALE TRADE	163.7	162.9	170.3	170.0	171.5
RETAIL TRADE	151.0	149.7	159.2	159.0	156.5
FINANCE, INSURANCE, AND REAL ESTATE	179.4	177.1	195.0	192.5	191.6
SERVICES	184.8	184.9	199.9	199.7	200.6

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

**C-6. Average weekly hours of production or nonsupervisory workers' on private nonagricultural payrolls
by industry division and major manufacturing group, seasonally adjusted**

Industry	1982				1983								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^P	Sept. ^P
TOTAL PRIVATE	34.8	34.7	34.7	34.8	35.1	34.5	34.8	34.9	35.1	35.1	35.0	35.0	35.2
MINING	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
CONSTRUCTION	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
MANUFACTURING	38.8	38.9	39.0	39.0	39.7	39.2	39.5	40.1	40.0	40.1	40.2	40.3	40.7
<i>Overtime hours</i>	2.3	2.3	2.3	2.3	2.4	2.4	2.6	2.9	2.7	2.9	3.0	3.1	3.3
DURABLE GOODS	39.1	39.2	39.3	39.3	40.1	39.7	39.9	40.5	40.4	40.6	40.8	40.8	41.3
<i>Overtime hours</i>	2.1	2.1	2.1	2.2	2.2	2.3	2.5	2.8	2.6	2.8	3.0	3.1	3.4
Lumber and wood products	38.4	38.1	38.7	38.8	40.5	39.5	39.5	40.0	39.8	40.0	39.9	40.1	40.3
Furniture and fixtures	37.5	37.5	37.6	37.8	38.6	37.9	38.3	39.3	39.2	39.6	39.7	39.5	39.8
Stone, clay, and glass products	40.2	40.2	40.2	40.1	41.4	40.5	40.6	41.0	41.2	41.6	41.7	41.7	42.0
Primary metal industries	37.8	38.2	38.3	38.8	38.9	39.1	39.4	39.9	40.3	40.3	40.8	41.0	41.1
Fabricated metal products	38.9	39.0	39.2	39.2	39.9	39.6	39.7	40.5	40.4	40.5	40.7	40.8	41.5
Machinery, except electrical	39.2	39.3	39.3	39.3	39.6	39.4	39.7	40.2	40.0	40.4	40.7	40.7	40.9
Electric and electronic equipment	39.0	39.2	39.3	39.4	39.9	39.5	39.8	40.4	40.3	40.5	40.8	40.7	41.0
Transportation equipment	40.1	40.4	40.9	40.1	41.6	41.2	41.7	42.3	41.6	41.9	42.0	41.9	43.4
Instruments and related products	39.9	39.6	39.4	39.7	40.4	39.7	40.0	40.5	40.4	40.1	40.7	40.2	40.4
Miscellaneous manufacturing ind	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
NONDURABLE GOODS	38.6	38.5	38.6	38.6	39.1	38.5	39.0	39.5	39.4	39.6	39.5	39.5	39.9
<i>Overtime hours</i>	2.6	2.6	2.5	2.5	2.6	2.6	2.7	3.0	2.9	3.0	3.0	3.1	3.2
Food and kindred products	39.4	39.5	39.4	39.1	39.3	39.0	39.2	39.6	39.4	39.8	39.4	39.6	39.8
Tobacco manufactures	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products	38.1	38.3	38.8	38.9	39.7	39.0	39.6	40.6	40.4	40.7	40.7	41.0	41.4
Apparel and other textile products	35.1	35.1	35.0	35.1	36.6	35.2	35.6	36.2	36.1	36.1	35.8	36.2	36.7
Paper and allied products	41.6	41.7	41.7	41.7	41.8	41.4	42.1	42.4	42.7	42.8	42.9	42.8	43.1
Printing and publishing	37.0	37.1	37.1	37.1	37.5	37.1	37.4	37.7	37.4	37.6	37.7	37.5	37.7
Chemicals and allied products	41.0	40.8	40.7	40.9	41.0	41.0	41.2	41.5	41.6	41.9	41.8	41.6	41.6
Petroleum and coal products	44.2	43.8	44.1	44.4	44.5	44.4	44.9	43.5	43.6	43.8	43.7	43.4	43.0
Rubber and misc. plastics products	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Leather and leather products	35.7	35.4	35.8	35.8	36.3	34.9	36.0	37.0	36.8	36.8	37.4	37.4	38.1
TRANSPORTATION AND PUBLIC UTILITIES	38.8	38.8	38.9	38.9	38.6	38.6	38.8	38.8	38.9	38.9	38.9	39.0	39.2
WHOLESALE AND RETAIL TRADE	31.9	31.9	31.8	32.1	31.9	31.4	31.7	31.7	31.9	32.0	31.9	31.8	31.8
WHOLESALE TRADE	38.4	38.4	38.4	38.4	38.5	38.2	38.4	38.5	38.6	38.7	38.6	38.5	38.7
RETAIL TRADE	29.9	29.9	29.8	30.1	29.9	29.3	29.7	29.6	29.9	29.9	29.8	29.7	29.6
FINANCE, INSURANCE, AND REAL ESTATE	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
SERVICES	32.8	32.6	32.6	32.6	32.9	32.5	32.7	32.7	32.9	32.7	32.6	32.7	32.9

¹ For coverage of series, see footnote 1, table B-2.

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

p = preliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED

C-7. Indexes of aggregate weekly hours of production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

(1977=100)

Industry division and group	1982				1983								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^p	Sept. ^p
TOTAL PRIVATE	103.9	102.9	102.5	102.6	104.1	102.2	103.1	104.0	105.0	105.7	106.1	105.2	107.2
GOODS-PRODUCING	88.9	87.4	86.8	86.5	89.8	87.2	87.8	89.6	90.5	91.8	93.0	93.5	95.0
MINING	122.8	119.0	117.5	116.5	118.4	111.6	110.7	109.5	110.3	112.5	114.0	115.5	116.0
CONSTRUCTION	98.2	97.0	97.2	96.5	106.2	94.7	94.3	96.3	99.6	102.0	103.5	104.7	106.8
MANUFACTURING	85.6	84.0	83.3	83.1	85.5	84.1	85.4	87.4	87.8	88.8	90.0	90.3	91.8
DURABLE GOODS	82.0	79.9	79.0	78.8	81.4	80.4	81.6	83.7	84.3	85.4	87.2	87.7	89.4
Lumber and wood products	77.4	76.1	78.1	78.6	84.9	83.1	85.1	88.0	89.2	92.2	93.5	95.6	96.7
Furniture and fixtures	85.3	84.3	84.5	85.2	88.0	84.7	87.9	92.0	93.1	94.8	97.2	96.7	97.2
Stone, clay, and glass products	79.3	78.2	76.7	75.8	78.9	76.6	78.1	80.0	81.3	82.5	83.4	84.5	85.7
Primary metal industries	63.6	60.9	59.6	60.0	61.2	61.0	62.2	63.7	65.1	65.2	67.0	67.6	68.6
Fabricated metal products	79.7	77.9	77.0	76.9	79.2	78.9	79.4	81.4	82.0	82.8	83.7	85.4	87.0
Machinery, except electrical	85.8	82.3	80.4	79.6	79.4	78.4	78.7	80.0	81.4	82.4	84.6	85.2	86.5
Electric and electronic equipment	93.5	92.3	91.8	91.2	94.3	93.2	95.2	97.6	98.0	99.6	101.6	101.0	104.2
Transportation equipment	78.3	75.2	74.6	75.0	79.4	80.1	81.0	83.7	82.9	84.2	86.8	86.9	89.3
Instruments and related products	105.9	103.0	101.2	100.9	102.7	99.1	100.6	101.9	101.7	100.4	101.9	101.9	103.8
Miscellaneous manufacturing ind	80.8	80.9	79.4	78.4	81.0	77.7	80.7	82.9	82.4	82.7	84.5	83.4	83.9
NONOURABLE GOODS	90.8	90.1	89.7	89.5	91.7	89.6	91.0	92.8	92.9	93.9	94.7	94.2	95.2
Food and kindred products	95.2	96.4	95.5	94.2	95.1	93.8	94.1	96.0	95.6	97.4	96.2	95.4	96.2
Tobacco manufactures	89.9	87.8	82.3	93.6	94.6	82.4	89.6	89.1	88.6	88.3	87.3	81.9	82.1
Textile mill products	75.3	75.5	75.2	74.6	78.2	75.4	77.6	80.1	80.1	81.8	81.8	83.5	84.3
Apparel and other textile products	85.2	84.4	83.9	83.6	90.0	85.0	85.5	87.6	87.7	88.1	89.0	89.8	90.9
Paper and allied products	92.3	91.2	91.2	90.8	91.2	90.4	92.1	93.1	94.4	94.6	95.4	95.0	96.4
Printing and publishing	105.6	105.6	105.6	105.6	107.0	105.6	106.5	108.1	107.5	108.7	109.0	108.5	109.3
Chemicals and allied products	95.5	93.9	93.5	93.9	93.8	93.6	93.7	94.7	94.7	95.5	95.8	95.1	95.8
Petroleum and coal products	95.7	93.4	93.9	94.2	95.4	96.2	97.6	94.6	93.3	92.9	92.7	91.3	91.2
Rubber and misc. plastics products	92.9	89.8	89.1	90.0	91.1	90.9	94.9	98.5	100.2	100.6	102.7	103.5	105.0
Leather and leather products	81.0	78.4	79.9	78.1	81.0	76.4	79.9	81.7	81.2	81.2	82.6	84.0	85.5
SERVICE-PRODUCING	112.2	111.5	111.3	111.5	112.0	110.5	111.6	111.9	113.0	113.3	113.4	111.7	113.9
TRANSPORTATION AND PUBLIC UTILITIES	101.2	100.6	100.7	100.5	99.0	98.6	99.1	99.6	99.9	99.9	99.7	84.4	101.1
WHOLESALE AND RETAIL TRADE	105.1	104.3	103.5	104.0	104.3	102.1	103.9	103.6	104.7	105.4	105.3	105.3	104.6
WHOLESALE TRADE	108.4	107.7	107.2	106.7	106.8	105.5	106.1	106.6	107.3	108.1	107.9	108.0	108.8
RETAIL TRADE	103.8	103.0	102.1	103.0	103.4	100.8	103.0	102.4	103.7	104.4	104.3	104.3	103.0
FINANCE, INSURANCE, AND REAL ESTATE	117.0	116.7	116.8	117.2	117.8	116.4	116.4	117.8	119.1	118.9	119.1	118.9	118.9
SERVICES	123.3	122.5	122.8	122.9	124.1	122.5	123.9	124.7	126.1	126.1	126.3	127.1	128.2

¹ For coverage of series, see footnote 1, table B-2.

p = preliminary

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

C-8. Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1982				1983								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^p	Sept. ^p
Hourly Earnings Index² (1977=100)													
TOTAL PRIVATE (in current dollars)	150.0	150.7	151.1	151.9	152.7	153.4	153.4	154.0	154.6	154.8	155.2	155.0	155.9
MINING ³	162.8	162.1	162.9	163.0	164.7	165.1	164.0	165.7	165.0	166.4	167.6	167.1	168.3
CONSTRUCTION	141.6	142.9	141.9	144.0	144.0	145.7	145.5	145.9	144.5	144.6	144.0	144.2	144.8
MANUFACTURING	154.6	154.7	155.3	155.8	156.5	157.3	157.1	157.0	157.7	157.8	158.2	158.0	158.6
TRANSPORTATION AND PUBLIC UTILITIES	150.1	151.1	152.2	153.1	154.4	155.2	155.9	155.9	156.6	156.8	157.9	156.1	158.5
WHOLESALE AND RETAIL TRADE	146.2	147.1	147.5	148.1	148.9	149.3	149.6	150.5	151.2	151.6	152.2	152.0	152.9
FINANCE, INSURANCE, AND REAL ESTATE ³	150.6	152.0	152.7	153.0	156.7	157.4	156.7	157.4	159.0	158.2	159.1	157.9	159.7
SERVICES	149.8	150.6	150.7	152.0	152.2	152.4	152.6	154.0	154.9	155.5	155.6	155.9	156.6
TOTAL PRIVATE (in 1977 dollars) ⁴	93.1	93.1	93.4	94.1	94.7	95.3	95.0	94.8	94.7	94.8	94.7	94.0	-
Average hourly earnings													
TOTAL PRIVATE	\$7.73	\$7.76	\$7.78	\$7.82	\$7.88	\$7.91	\$7.91	\$7.95	\$7.97	\$8.00	\$8.03	\$7.98	\$8.08
MINING	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
CONSTRUCTION	11.66	11.77	11.71	11.88	11.86	12.00	12.00	12.02	11.86	11.85	11.82	11.83	11.91
MANUFACTURING	8.57	8.58	8.61	8.63	8.68	8.76	8.75	8.78	8.79	8.82	8.85	8.84	8.88
TRANSPORTATION AND PUBLIC UTILITIES	10.39	10.45	10.51	10.58	10.66	10.70	10.77	10.76	10.82	10.83	10.88	10.66	10.91
WHOLESALE AND RETAIL TRADE	6.24	6.29	6.32	6.33	6.35	6.39	6.40	6.43	6.45	6.49	6.51	6.51	6.54
FINANCE, INSURANCE, AND REAL ESTATE	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
SERVICES	7.00	7.03	7.04	7.09	7.11	7.14	7.15	7.19	7.24	7.26	7.26	7.26	7.30
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars	269.00	269.27	269.97	272.14	276.59	272.90	275.27	277.46	279.75	280.80	281.05	279.30	284.42
1977 dollars ³	166.98	166.32	166.96	168.61	171.48	169.61	170.45	170.85	171.42	171.85	171.37	169.48	-

¹ For coverage of series, see footnote 1, table B-2.

² The index excludes effects of two types of changes that are unrelated to underlying wage-rate developments: Fluctuations in overtime premiums in manufacturing (the only sector for which overtime data are available) and the effects of changes in the proportion of workers in high-wage and low-wage industries.

³ The unadjusted data are shown because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

⁴ The deflator for these series is derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).

^p See footnote 2, table C-6.

p = preliminary.

C-9. Hours of wage and salary workers¹ in nonagricultural establishments by industry division

Industry division	Billions of hours (Annual rate) ²			Percent change		
	July 1983	August 1983	September 1983	Sept. 1982 to Sept. 1983	July 1983 to Aug. 1983	Aug. 1983 to Sept. 1983
TOTAL	168,075	167,276	169,438	2.5	-0.5	1.3
PRIVATE SECTOR	137,439	136,444	138,466	2.9	-0.7	1.5
MINING	2,227	2,264	2,279	-4.8	1.6	0.7
CONSTRUCTION	7,724	7,830	7,908	7.9	1.4	1.0
MANUFACTURING	39,031	39,125	39,499	4.9	0.2	1.0
DURABLE GOODS	23,096	23,182	23,437	5.8	0.4	1.1
NONDURABLE GOODS	15,935	15,943	16,061	3.6	0.0	0.7
TRANSPORTATION AND PUBLIC UTILITIES	10,143	8,832	10,231	0.9	-12.9	15.8
WHOLESALE AND RETAIL TRADE	34,347	34,323	34,139	0.1	-0.1	-0.5
FINANCE, INSURANCE, AND REAL ESTATE	10,314	10,306	10,349	2.4	-0.1	0.4
SERVICES	33,652	33,764	34,061	4.1	0.3	0.9
GOVERNMENT	30,636	30,832	30,972	0.8	0.6	0.5

¹ Data refer to hours of all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See BLS Handbook of Methods, BLS Bulletin 2134-1—Chapter 13, Productivity Measures: Business Economy and Major Sectors.

² "Annual rate" refers to total hours paid for 1 week in the month, expressed as a seasonally adjusted annual equivalent.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

**C-10. Indexes of output and compensation per hour, unit costs, and prices,
business sector, seasonally adjusted**

(1977 = 100)

Item	Annual average		Quarterly indexes										
			1980		1981				1982				1983
	1981	1982	IV	I	II	III	IV	I	II	III	IV	I	II
BUSINESS SECTOR:													
Output per hour of all persons	101.3	101.2	99.1	100.5	101.1	102.3	101.2	101.1	100.7	101.1	101.9	102.5	103.9
Output	109.8	106.7	107.0	109.2	109.8	111.2	108.9	107.2	106.9	106.6	106.0	107.1	110.3
Hours	108.4	105.4	108.0	108.6	108.6	108.7	107.7	106.0	106.2	105.4	104.0	104.5	106.2
Compensation per hour	143.9	155.1	136.0	139.7	142.2	145.5	148.2	151.6	153.9	156.5	158.7	160.7	162.1
Real compensation per hour	95.9	97.4	96.1	96.3	96.1	95.6	95.6	97.1	97.4	97.1	98.0	99.4	99.2
Unit labor costs	142.1	153.3	137.2	139.0	140.7	142.3	146.4	149.9	152.9	154.7	155.6	156.9	156.1
Unit nonlabor payments	136.2	136.9	124.2	131.2	133.4	139.9	140.2	137.0	137.0	136.3	137.4	140.8	145.8
Implicit price deflator	140.1	147.7	132.8	136.3	138.2	141.5	144.3	145.5	147.5	148.5	149.4	151.5	152.6
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	100.3	100.2	98.8	100.1	100.1	101.1	99.9	100.0	99.9	100.4	100.8	101.7	103.2
Output	109.3	106.3	107.1	109.2	109.4	110.5	108.2	106.5	106.7	106.5	105.4	106.7	109.9
Hours	109.0	106.0	108.5	109.1	109.2	109.4	108.2	106.5	106.8	106.0	104.6	104.9	106.5
Compensation per hour	143.5	154.7	135.5	139.3	141.8	145.1	147.7	151.3	153.5	156.1	158.3	161.0	162.7
Real compensation per hour	95.6	97.1	95.8	96.0	95.8	95.3	95.4	96.9	97.1	96.9	97.8	99.5	99.6
Unit labor costs	143.0	154.4	137.2	139.2	141.6	143.5	147.8	151.3	153.6	155.4	157.1	158.3	157.6
Unit nonlabor payments	135.0	137.0	123.2	130.3	132.2	138.3	139.5	136.4	137.7	136.5	137.2	140.7	145.7
Implicit price deflator	140.4	148.6	132.5	136.2	138.4	141.8	145.0	146.4	148.3	149.1	150.5	152.4	153.6
MANUFACTURING:													
Output per hour of all persons	105.3	106.5	103.6	105.1	105.4	106.1	104.4	105.1	105.3	107.8	108.1	110.2	112.4
Output	106.5	99.1	104.9	106.8	107.8	108.1	103.3	100.2	99.5	99.5	97.2	100.1	104.9
Hours	101.2	93.0	101.3	101.6	102.2	101.9	98.9	95.4	94.5	92.3	89.9	90.9	93.3
Compensation per hour	145.8	158.2	138.3	141.6	144.3	147.0	150.5	155.1	157.1	159.6	161.4	165.5	166.4
Real compensation per hour	97.2	99.3	97.8	97.6	97.5	96.5	97.1	99.4	99.4	99.1	99.7	102.3	101.8
Unit labor costs	138.5	148.5	133.5	134.8	136.9	138.5	144.1	147.6	149.1	148.1	149.3	150.2	148.0
DURABLE GOODS													
Output per hour of all persons	104.5	105.4	102.5	104.3	104.8	105.2	103.7	103.7	104.2	106.8	107.2	109.4	112.1
Output	107.0	97.3	105.1	107.3	108.8	108.9	103.3	99.3	98.3	97.6	94.0	97.4	102.8
Hours	102.4	92.3	102.6	102.9	103.8	103.4	99.6	95.7	94.3	91.4	87.7	89.0	91.7
Compensation per hour	145.9	157.9	138.5	141.7	144.4	146.9	150.6	154.7	156.7	159.5	161.0	165.4	166.1
Real compensation per hour	97.2	99.1	97.9	97.7	97.5	96.5	97.2	99.1	99.1	99.0	99.5	102.3	101.7
Unit labor costs	139.6	149.8	135.2	135.8	137.8	139.6	145.3	149.1	150.4	149.4	150.3	151.1	148.2
NONDURABLE GOODS													
Output per hour of all persons	106.4	108.2	105.5	106.3	106.5	107.4	105.4	107.2	107.0	109.2	109.4	111.3	112.9
Output	105.6	101.8	104.7	106.0	106.3	107.0	103.2	101.7	101.3	102.3	101.9	104.1	108.1
Hours	99.3	94.1	99.2	99.8	99.8	99.6	97.9	94.8	94.7	93.7	93.2	93.6	95.7
Compensation per hour	145.2	159.2	137.5	141.0	143.7	146.4	149.9	155.9	157.8	160.2	163.0	166.6	167.6
Real compensation per hour	96.8	99.9	97.2	97.2	97.1	96.2	96.7	99.9	99.8	99.4	100.7	103.0	102.6
Unit labor costs	136.5	147.1	130.4	132.7	135.0	136.3	142.1	145.4	147.5	146.7	149.0	149.8	148.4
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	102.3	102.8	100.4	101.8	102.1	103.0	102.2	102.4	102.3	103.2	103.4	104.3	p105.7
Output	111.5	107.8	108.8	111.0	111.7	112.9	110.4	108.6	108.1	108.0	106.4	107.6	p111.0
Hours	109.0	104.8	108.3	109.1	109.3	109.6	108.1	106.0	105.7	104.6	102.9	103.2	p105.1
Compensation per hour	143.6	154.8	135.8	139.5	142.0	145.0	147.8	151.7	153.7	156.1	158.1	160.4	p161.6
Real compensation per hour	95.7	97.2	96.0	96.2	95.9	95.2	95.4	97.2	97.2	96.9	97.7	99.2	p98.9
Total unit costs	142.7	153.5	135.9	138.4	141.1	143.6	147.7	150.9	153.1	153.8	156.3	156.7	p155.7
Unit labor costs	140.3	150.6	135.3	137.0	139.0	140.7	144.6	148.1	150.2	151.1	152.9	153.9	p152.9
Unit nonlabor costs	149.4	161.8	137.9	142.3	147.0	151.9	156.6	158.9	161.2	161.3	165.9	164.7	p163.5
Unit profits	104.1	88.9	90.9	103.0	100.3	108.6	104.2	90.8	90.3	91.2	83.0	96.1	p114.1
Implicit price deflator	138.3	146.1	130.8	134.3	136.4	139.6	142.7	144.0	145.9	146.6	147.9	149.7	p150.9

p-preliminary.
r-revised.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

C-11. Percent changes from preceding quarter and year in productivity, hourly compensation, unit costs, and prices, business sector, seasonally adjusted at annual rate

Item	Quarterly percent change						Annual percent change					
	1981 IV to 1982 I	1982 I to 1982 II	1982 II to 1982 III	1982 III to 1982 IV	1983 IV to 1983 I	1983 I to 1983 II	1981 I to 1982 I	1981 II to 1982 II	1981 III to 1982 III	1981 IV to 1982 IV	1982 I to 1983 I	1982 II to 1983 II
BUSINESS SECTOR:												
Output per hour of all persons	-0.4	-1.6	1.7	3.3	2.0	5.7	0.6	-0.4	-1.1	0.7	1.3	3.2
Output	-6.3	-1.0	-1.1	-2.3	4.2	12.5	-1.8	-2.6	-4.1	-2.7	-0.1	3.2
Hours	-6.0	0.6	-2.7	-5.4	2.1	6.5	-2.4	-2.2	-3.0	-3.4	-1.4	0.0
Compensation per hour	9.4	6.4	6.7	5.7	5.4	3.5	8.5	8.2	7.5	7.1	6.1	5.3
Real compensation per hour	6.3	1.1	-1.0	3.7	5.8	-0.7	0.8	1.3	1.6	2.5	2.4	1.9
Unit labor costs	9.8	8.1	5.0	2.3	3.3	-2.1	7.9	8.7	8.7	6.3	4.7	2.1
Unit nonlabor payments	-8.8	-0.1	-2.0	3.2	10.5	15.0	4.4	2.7	-2.6	-2.0	2.8	6.5
Implicit price deflator	3.4	5.5	2.7	2.6	5.5	3.1	6.7	6.7	4.9	3.5	4.1	3.5
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	0.1	-0.4	2.3	1.3	3.7	6.1	-0.1	-0.3	-0.6	0.8	1.7	3.3
Output	-6.2	0.8	-0.6	-4.1	4.9	12.7	-2.5	-2.5	-3.6	-2.6	0.2	3.0
Hours	-6.2	1.2	-2.9	-5.3	1.2	6.2	-2.4	-2.2	-3.0	-3.4	-1.5	0.3
Compensation per hour	10.0	5.8	7.2	5.8	6.8	4.3	8.6	8.2	7.6	7.2	6.4	6.0
Real compensation per hour	6.8	0.5	-0.6	3.7	7.2	0.1	0.9	1.3	1.7	2.6	2.7	2.6
Unit labor costs	9.9	6.2	4.7	4.4	3.0	-1.6	8.7	8.5	8.3	6.3	4.6	2.6
Unit nonlabor payments	-8.5	3.7	-3.4	2.0	10.6	15.0	4.7	4.2	-1.3	-1.6	3.1	5.8
Implicit price deflator	3.7	5.4	2.2	3.7	5.3	3.3	7.4	7.1	5.2	3.7	4.1	3.6
MANUFACTURING:												
Output per hour of all persons	2.8	0.8	9.6	1.2	8.0	8.4	0.0	-0.1	1.6	3.5	4.8	6.7
Output	-11.2	-2.9	0.0	-9.0	12.7	20.5	-6.1	-7.7	-8.0	-5.9	-0.1	5.4
Hours	-13.7	-3.7	-8.7	-10.0	4.3	11.2	-6.2	-7.6	-9.4	-9.1	-4.7	-1.2
Compensation per hour	13.1	5.1	6.5	4.5	10.7	2.1	9.6	8.8	8.6	7.3	6.7	5.9
Real compensation per hour	9.8	-0.2	-1.2	2.5	11.1	-2.1	1.8	1.9	2.6	2.7	3.0	2.5
Unit labor costs	9.9	4.3	-2.8	3.3	2.5	-5.9	9.5	8.9	6.9	3.6	1.8	-0.8
DURABLE GOODS												
Output per hour of all persons	0.1	1.8	10.4	1.4	8.7	10.1	-0.5	-0.5	1.5	3.4	5.5	7.6
Output	-14.6	-4.0	-2.5	-14.2	15.5	23.8	-7.5	-9.7	-10.3	-9.0	-1.9	4.6
Hours	-14.7	-5.7	-11.7	-15.4	6.3	12.4	-7.0	-9.2	-11.6	-12.0	-7.0	-2.8
Compensation per hour	11.1	5.4	7.4	3.8	11.3	1.7	9.2	8.5	8.6	6.9	7.0	6.0
Real compensation per hour	7.9	0.1	-0.4	1.8	11.8	-2.4	1.4	1.6	2.6	2.3	3.2	2.6
Unit labor costs	11.0	3.5	-2.7	2.4	2.4	-7.6	9.8	9.1	7.0	3.4	1.4	-1.5
NONDURABLE GOODS												
Output per hour of all persons	6.9	-0.7	8.4	0.7	7.1	6.1	0.9	0.5	1.6	3.7	3.8	5.5
Output	-6.0	-1.4	3.8	-1.2	8.8	16.2	-4.1	-4.7	-4.4	-1.3	2.4	6.7
Hours	-12.0	-0.6	-4.2	-1.9	1.7	9.4	-5.0	-5.2	-6.0	-4.8	-1.3	1.1
Compensation per hour	17.0	5.2	6.0	7.3	9.2	2.4	10.5	9.9	9.4	8.8	6.9	6.2
Real compensation per hour	13.6	-0.1	-1.7	5.2	9.6	-1.7	2.7	2.8	3.4	4.1	3.2	2.7
Unit labor costs	9.4	6.0	-2.2	6.6	2.0	-3.5	9.6	9.3	7.6	4.9	3.0	0.6
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	0.9	-0.5	3.8	0.6	3.4	5.5	0.6	0.1	0.2	1.2	1.8	p3.3
Output	-6.5	-1.8	-0.5	-6.0	4.6	13.5	-2.2	-3.2	-4.3	-3.7	-1.0	p2.7
Hours	-7.3	-1.2	-4.1	-6.5	1.2	7.6	-2.8	-3.3	-4.5	-4.8	-2.7	p-0.6
Compensation per hour	10.9	5.4	6.4	5.4	6.0	2.9	8.7	8.2	7.6	7.0	5.8	p5.2
Real compensation per hour	7.7	0.1	-1.3	3.4	6.4	-1.3	1.0	1.3	1.7	2.4	2.1	pl.7
Total unit costs	8.8	6.0	1.8	6.7	1.0	-2.5	9.0	8.5	7.1	5.8	3.8	pl.7
Unit labor costs	9.9	6.0	2.4	4.8	2.5	-2.4	8.1	8.1	7.4	5.7	3.9	pl.8
Unit nonlabor costs	6.1	6.0	0.1	11.9	-2.8	-2.8	11.7	9.7	6.2	6.0	3.7	pl.4
Unit profits	-42.2	-2.1	3.8	-31.4	79.9	98.5	-11.8	-9.9	-16.1	-20.3	5.8	p26.3
Implicit price deflator	3.6	5.4	1.9	3.6	5.1	3.2	7.2	7.0	5.0	3.6	4.0	p3.4

p=preliminary.
r=revised.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P
ALABAMA	\$287.43	\$308.91	\$311.95	39.7	40.7	41.1	\$7.24	\$7.59	\$7.59
Birmingham	296.78	308.50	322.77	38.0	39.5	40.6	7.81	7.81	7.95
Mobile	378.97	399.91	407.02	39.6	39.4	40.1	9.57	10.15	10.15
ALASKA	492.03	434.30	(*)	49.6	41.6	(*)	9.92	10.44	(*)
ARIZONA	345.32	373.41	359.39	38.8	40.5	40.2	8.90	9.22	8.94
ARKANSAS	260.24	290.29	284.92	38.9	40.6	40.3	6.69	7.15	7.07
Fayetteville—Springdale	239.34	250.34	252.97	39.3	39.3	39.9	6.09	6.37	6.34
Fort Smith	257.42	292.25	280.53	37.2	40.2	39.4	6.92	7.27	7.12
Little Rock—North Little Rock	310.00	344.40	334.06	40.0	41.0	40.2	7.75	8.40	8.31
Pine Bluff	356.17	420.42	388.73	40.2	42.9	40.2	8.86	9.80	9.67
CALIFORNIA	367.46	379.14	383.51	39.3	39.7	40.2	9.35	9.55	9.54
COLORADO	339.16	359.50	365.72	39.3	39.9	40.5	8.63	9.01	9.03
Denver—Boulder	347.70	370.80	377.34	39.2	39.7	40.1	8.87	9.34	9.41
CONNECTICUT	331.60	363.85	364.79	40.0	41.3	41.5	8.29	8.81	8.79
Bridgeport	350.92	389.85	392.12	40.9	42.1	42.3	8.58	9.26	9.27
Hartford	355.29	391.23	385.81	40.1	41.4	41.0	8.86	9.45	9.41
New Britain	340.98	371.28	380.30	40.4	40.8	41.7	8.44	9.10	9.12
New Haven—West Haven	319.48	340.26	340.10	39.2	39.2	39.5	8.15	8.68	8.61
Stamford	303.34	346.93	346.73	39.6	40.2	39.9	7.66	8.63	8.69
Waterbury	284.78	312.80	326.31	40.8	42.5	43.8	6.98	7.36	7.45
DELAWARE	335.87	378.62	366.40	39.1	40.8	40.0	8.59	9.28	9.16
Wilmington	398.48	435.92	426.53	38.8	40.4	39.9	10.27	10.79	10.69
DISTRICT OF COLUMBIA:									
Washington SMSA	353.95	369.16	377.71	38.1	38.9	39.1	9.29	9.49	9.66
FLORIDA	279.27	296.46	295.73	39.5	40.5	40.4	7.07	7.32	7.32
Fort Lauderdale—Hollywood	269.87	283.33	281.63	40.4	42.1	41.6	6.68	6.73	6.77
Jacksonville	288.72	341.11	336.98	36.5	41.7	41.5	7.91	8.18	8.12
Lakeland—Winter Haven	305.02	303.96	306.12	40.4	40.8	40.6	7.55	7.45	7.54
Miami	228.92	241.56	238.55	38.8	39.6	38.6	5.90	6.10	6.18
Orlando	305.76	317.68	319.54	41.6	41.8	42.1	7.35	7.60	7.59
Pensacola	326.42	376.89	373.12	40.2	42.3	42.4	8.12	8.91	8.80
Tampa—St. Petersburg	287.23	300.29	303.68	40.8	40.8	41.6	7.04	7.36	7.30
West Palm Beach—Boca Raton	287.60	311.36	295.57	40.0	40.7	39.2	7.19	7.65	7.54
GEORGIA	264.10	286.82	289.22	39.3	40.8	41.2	6.72	7.03	7.02
Atlanta	306.18	343.88	345.98	37.8	40.6	40.8	8.10	8.47	8.48
Savannah	371.00	387.90	412.16	42.4	43.1	44.8	8.75	9.00	9.20
HAWAII	291.40	306.87	309.66	37.6	38.6	39.7	7.75	7.95	7.80
Honolulu	283.73	308.05	309.28	36.8	38.7	39.6	7.71	7.96	7.81
IDAHO	340.43	350.60	344.10	37.7	37.1	37.0	9.03	9.45	9.30
Boise City	305.47	307.10	316.30	37.9	37.0	38.2	8.06	8.30	8.28
ILLINOIS	369.57	392.75	397.47	39.4	40.2	40.6	9.38	9.77	9.79
Bloomington—Normal	341.25	356.80	358.49	39.0	40.0	39.7	8.75	8.92	9.03
Champaign—Urbana—Rantoul	331.60	329.03	345.58	37.3	36.6	37.4	8.89	8.99	9.24
Chicago SMSA	349.44	380.33	387.13	39.0	39.7	40.2	8.96	9.58	9.63
Davenport—Rock Island—Moline	369.31	480.25	483.67	31.7	39.3	39.1	11.65	12.22	12.37
Decatur	433.57	518.75	511.22	38.2	41.5	40.8	11.35	12.50	12.53
Kankakee	298.57	328.87	316.57	36.5	38.6	37.2	8.18	8.52	8.51
Peoria	471.58	481.60	484.76	36.9	40.1	39.8	12.78	12.01	12.18
Rockford	379.09	388.28	394.56	40.2	40.7	41.1	9.43	9.54	9.60
Springfield	454.57	470.68	440.00	41.1	42.1	40.0	11.06	11.18	11.00
INDIANA	383.77	413.06	415.48	39.2	41.1	41.3	9.79	10.05	10.06
Gary—Hammond—East Chicago	508.95	527.20	(*)	37.7	40.9	(*)	13.50	12.89	(*)
Indianapolis	382.08	408.53	(*)	39.8	41.1	(*)	9.60	9.94	(*)
IOWA	381.24	397.55	393.02	38.2	39.4	39.9	9.98	10.09	9.85
Cedar Rapids	383.96	403.35	406.40	39.1	39.7	40.0	9.82	10.16	10.16
Des Moines	428.53	428.98	464.05	39.9	37.4	38.8	10.74	11.47	11.96

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P
IOWA—Continued									
Dubuque	\$437.73	\$437.47	\$457.45	39.4	41.0	42.2	\$11.11	\$10.67	\$10.84
Sloux City	351.28	351.60	354.32	40.1	40.6	41.2	8.76	8.66	8.60
Waterloo—Cedar Falls	480.24	492.48	422.18	36.8	38.0	35.9	13.05	12.96	11.76
KANSAS	350.24	360.64	361.43	39.8	39.2	39.5	8.80	9.20	9.15
Topeka	329.86	357.67	357.96	38.4	38.5	38.0	8.59	9.29	9.42
Wichita	387.37	410.17	414.92	40.1	39.9	41.0	9.66	10.28	10.12
KENTUCKY	321.86	343.59	340.76	38.5	39.0	38.9	8.36	8.81	8.76
Lexington—Fayette	343.04	363.17	376.53	38.5	38.8	40.4	8.91	9.36	9.32
Louisville	368.64	396.93	400.57	38.4	39.3	39.7	9.60	10.10	10.09
LOUISIANA	385.43	401.17	385.13	40.7	40.4	39.5	9.47	9.93	9.75
Baton Rouge	466.02	489.41	483.53	40.7	42.3	41.9	11.45	11.57	11.54
New Orleans	355.47	347.90	339.98	38.1	38.4	38.2	9.33	9.06	8.90
Shreveport	341.42	389.42	370.60	39.7	39.9	39.3	8.60	9.76	9.43
MAINE	291.13	312.76	302.00	40.1	40.2	40.0	7.26	7.78	7.55
Lewiston—Auburn	225.55	254.78	240.73	38.1	40.7	39.4	5.92	6.26	6.11
Portland	278.36	296.00	292.19	38.5	37.9	37.8	7.23	7.81	7.73
MARYLAND	338.13	359.90	364.99	39.0	39.9	40.6	8.67	9.02	8.99
Baltimore	364.72	383.40	391.64	39.6	40.4	41.4	9.21	9.49	9.46
MASSACHUSETTS	300.29	326.42	318.80	39.1	40.2	40.0	7.68	8.12	7.97
Boston	320.69	346.98	339.95	39.3	39.7	39.3	8.16	8.74	8.65
Brockton	239.51	249.75	260.63	37.6	37.5	38.9	6.37	6.66	6.70
Fall River	213.89	239.73	252.55	36.5	36.6	39.4	5.86	6.55	6.41
Lawrence—Haverhill	308.50	310.76	299.05	39.4	38.7	39.4	7.83	8.03	7.59
Lowell	248.29	285.09	304.84	36.3	39.0	40.7	6.84	7.31	7.49
New Bedford	250.56	269.75	279.94	36.0	38.1	38.4	6.96	7.08	7.29
Springfield—Chicopee—Holyoke	307.60	332.93	330.48	40.0	40.7	40.5	7.69	8.18	8.16
Worcester	299.52	329.28	330.30	38.4	39.2	39.7	7.80	8.40	8.32
MICHIGAN	447.94	490.99	485.88	40.1	42.1	42.2	11.17	11.66	11.52
Ann Arbor	456.24	514.15	501.96	39.2	42.8	42.8	11.64	12.02	11.72
Battle Creek	469.68	509.38	512.03	39.9	41.3	40.9	11.76	12.34	12.51
Bay City	389.04	431.75	433.73	39.9	42.2	42.8	9.74	10.24	10.14
Detroit	480.42	511.77	517.05	40.8	41.9	42.4	11.78	12.21	12.20
Flint	532.66	600.81	583.77	40.2	44.8	43.9	13.25	13.41	13.31
Grand Rapids	367.02	408.21	403.09	39.2	40.5	40.9	9.36	10.08	9.86
Jackson	412.30	378.29	403.51	41.3	39.1	41.6	9.98	9.69	9.71
Kalamazoo—Portage	407.44	443.08	450.62	39.8	40.9	41.6	10.23	10.85	10.84
Lansing—East Lansing	470.89	600.89	518.16	39.1	45.1	41.0	12.04	13.32	12.64
Muskegon—Norton Shores—Muskegon Heights	385.05	417.19	424.60	39.7	39.7	40.5	9.71	10.52	10.50
Saginaw	506.59	602.38	571.35	39.3	43.6	41.9	12.88	13.81	13.65
MINNESOTA	352.17	375.80	377.30	38.7	39.6	39.8	9.10	9.49	9.48
Duluth—Superior	326.50	398.38	393.09	37.4	39.6	38.5	8.73	10.06	10.21
Minneapolis—St. Paul	377.33	398.73	403.35	38.9	39.4	39.7	9.70	10.12	10.16
St. Cloud	283.37	315.46	311.90	34.6	37.2	36.1	8.19	8.48	8.64
MISSISSIPPI	250.38	266.26	270.14	39.0	39.8	40.5	6.42	6.69	6.67
Jackson	273.34	303.06	301.50	39.5	40.3	40.2	6.92	7.52	7.50
MISSOURI	323.17	352.00	353.68	38.2	40.0	40.1	8.46	8.80	8.82
Kansas City	356.64	396.09	395.17	37.9	40.5	40.2	9.41	9.78	9.83
St. Joseph	299.03	324.37	310.52	37.9	38.8	38.1	7.89	8.36	8.15
St. Louis	373.65	401.80	408.24	38.6	40.1	40.3	9.68	10.02	10.13
Springfield	295.18	332.10	327.98	39.2	40.5	39.9	7.53	8.20	8.22
MONTANA	405.21	391.59	421.83	40.4	36.7	40.6	10.03	10.67	10.39
NEBRASKA	334.57	350.78	354.14	39.5	40.6	40.8	8.47	8.64	8.68
Lincoln	316.92	364.40	372.50	38.0	40.0	40.8	8.34	9.11	9.13
Omaha	352.91	363.26	362.18	39.3	39.7	39.8	8.98	9.15	9.10
NEVADA	337.69	344.19	342.79	38.2	38.5	38.3	8.84	8.94	8.95
Las Vegas	414.26	423.93	(*)	38.5	39.0	(*)	10.76	10.87	(*)

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P
NEW HAMPSHIRE	\$275.62	\$304.09	\$304.91	39.6	40.6	40.6	\$6.96	\$7.49	\$7.51
Manchester	257.15	273.64	275.20	39.2	39.6	40.0	6.56	6.91	6.88
Nashua	310.79	351.14	353.43	38.8	40.5	40.3	8.01	8.67	8.77
NEW JERSEY	347.02	375.14	379.35	39.8	40.6	41.1	8.72	9.24	9.23
Atlantic City	267.42	309.64	(*)	38.8	41.9	(*)	6.89	7.39	(*)
Camden ²	378.35	394.02	(*)	41.2	39.6	(*)	9.19	9.95	(*)
Hackensack ³	307.16	325.21	(*)	39.9	40.1	(*)	7.71	8.11	(*)
Jersey City ²	327.89	341.48	(*)	40.0	39.8	(*)	8.19	8.58	(*)
New Brunswick—Perth Amboy—Sayreville ²	398.66	418.14	(*)	40.6	40.4	(*)	9.83	10.35	(*)
Newark ²	349.38	381.64	(*)	39.6	40.6	(*)	8.82	9.40	(*)
Paterson—Clifton—Passaic ³	331.67	360.05	(*)	40.2	40.5	(*)	8.26	8.89	(*)
Trenton	351.58	373.01	(*)	39.8	40.9	(*)	8.83	9.12	(*)
NEW MEXICO	265.87	299.11	297.21	38.7	38.2	38.8	6.87	7.83	7.66
Albuquerque	277.75	289.18	279.38	38.1	38.0	37.5	7.29	7.61	7.45
NEW YORK	320.44	345.04	344.86	38.7	38.9	39.1	8.28	8.87	8.82
Albany—Schenectady—Troy	346.98	373.98	367.83	39.7	40.3	40.2	8.74	9.28	9.15
Binghamton	291.60	315.21	321.18	40.0	39.9	40.4	7.29	7.90	7.95
Buffalo	419.89	459.31	453.91	39.8	40.9	40.6	10.55	11.23	11.18
Elmira	345.46	356.61	345.35	39.8	39.8	38.5	8.68	8.96	8.97
Monroe County ⁴	439.56	475.60	485.72	40.7	41.0	41.8	10.80	11.60	11.62
Nassau—Suffolk ⁵	319.16	344.92	346.73	39.5	39.6	39.9	8.08	8.71	8.69
New York—Northeastern New Jersey	306.78	334.37	(*)	38.3	38.7	(*)	8.01	8.64	(*)
New York and Nassau—Suffolk ²	281.23	306.68	303.62	37.2	37.4	37.3	7.56	8.20	8.14
New York SMSA ⁵	270.10	294.70	290.97	36.5	36.7	36.6	7.40	8.03	7.95
New York City ²	267.89	289.38	286.04	36.3	36.4	36.3	7.38	7.95	7.88
Poughkeepsie	338.48	372.38	367.21	42.9	43.3	43.1	7.89	8.60	8.52
Rochester	413.71	443.09	448.11	40.6	40.8	41.3	10.19	10.86	10.85
Rockland County ⁴	332.02	350.27	348.65	39.2	39.4	39.8	8.47	8.89	8.76
Syracuse	345.71	389.20	394.54	39.6	40.0	40.8	8.73	9.73	9.67
Utica—Rome	313.62	325.94	323.08	39.8	39.7	39.4	7.88	8.21	8.20
Westchester County ⁴	267.04	323.38	289.85	37.4	38.0	37.4	7.14	8.51	7.75
NORTH CAROLINA	241.81	268.27	271.06	38.2	40.1	40.7	6.33	6.69	6.66
Asheville	241.86	255.57	263.97	39.2	39.5	40.3	6.17	6.47	6.55
Charlotte—Gastonia	246.24	276.75	285.02	38.9	41.0	42.1	6.33	6.75	6.77
Greensboro—Winston-Salem—High Point	268.13	282.98	286.63	37.5	38.5	39.7	7.15	7.35	7.22
Raleigh—Durham	290.03	322.73	327.51	39.3	40.8	41.3	7.38	7.91	7.93
NORTH DAKOTA	289.16	296.40	297.18	37.7	38.0	38.1	7.67	7.80	7.80
Fargo—Moorhead	300.51	308.63	301.82	37.8	37.5	37.4	7.95	8.23	8.07
OHIO	404.40	432.55	433.42	40.0	41.0	41.2	10.11	10.55	10.52
Akron	393.56	438.84	441.34	40.2	42.4	42.6	9.79	10.35	10.36
Canton	396.41	410.89	422.65	38.3	38.8	39.5	10.35	10.59	10.70
Cincinnati	391.53	413.91	416.77	40.7	40.9	40.9	9.62	10.12	10.19
Cleveland	408.22	423.46	426.18	40.1	40.6	40.9	10.18	10.43	10.42
Columbus	372.24	406.62	404.97	39.6	40.5	40.7	9.40	10.04	9.95
Dayton	405.02	451.31	453.26	40.3	42.1	42.4	10.05	10.72	10.69
Toledo	451.67	467.60	476.58	41.4	41.9	42.4	10.91	11.16	11.24
Youngstown—Warren	441.16	535.46	504.27	37.9	42.7	41.3	11.64	12.54	12.21
OKLAHOMA	343.39	376.18	364.21	39.2	40.8	40.2	8.76	9.22	9.06
Oklahoma City	352.74	393.57	375.19	38.3	40.7	40.3	9.21	9.67	9.31
Tulsa	373.44	403.27	399.96	38.9	40.9	40.4	9.60	9.86	9.90
OREGON	378.86	400.40	394.79	38.0	38.5	39.4	9.97	10.40	10.02
Eugene—Springfield	406.27	405.96	422.93	38.4	38.7	39.6	10.58	10.49	10.68
Medford	372.17	370.16	385.33	39.3	38.2	39.4	9.47	9.69	9.78
Portland	384.94	409.06	404.43	38.0	38.7	39.0	10.13	10.57	10.37
Salem	272.22	300.81	304.96	34.9	34.3	39.4	7.80	8.77	7.74
PENNSYLVANIA	330.43	353.70	355.61	38.2	39.3	39.6	8.65	9.00	8.98
Allentown—Bethlehem—Easton	331.88	344.74	350.35	37.8	37.8	38.5	8.78	9.12	9.10
Alltoona	279.21	300.20	305.75	38.3	38.0	39.3	7.29	7.90	7.78
Delaware Valley ⁷	345.98	368.63	365.82	38.4	39.3	39.0	9.01	9.38	9.38
Erie	355.78	401.88	395.28	39.4	40.8	40.5	9.03	9.85	9.76
Harrisburg	335.94	338.52	342.14	39.2	39.5	39.6	8.57	8.57	8.64
Johnstown	291.61	300.03	293.13	33.1	36.5	36.1	8.81	8.22	8.12

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average monthly earnings			Average weekly hours			Average hourly earnings		
	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P
PENNSYLVANIA—Continued									
Lancaster	\$302.61	\$330.17	\$327.85	38.5	39.4	39.5	\$7.86	\$8.38	\$8.30
Northeast Pennsylvania	252.95	273.80	281.60	36.5	37.1	37.9	6.93	7.38	7.43
Philadelphia SMSA	345.98	370.60	(*)	38.4	39.3	(*)	9.01	9.43	(*)
Pittsburgh	400.18	434.81	433.62	37.4	39.6	39.6	10.70	10.98	10.95
Reading	316.36	347.06	348.73	38.3	39.8	39.9	8.26	8.72	8.74
Williamsport	312.82	301.72	316.01	39.9	38.0	39.8	7.84	7.94	7.94
York	313.98	329.27	335.79	40.1	40.5	41.1	7.83	8.13	8.17
RHODE ISLAND									
Providence—Warwick—Pawtucket	251.17	270.66	267.65	37.6	39.0	38.4	6.68	6.94	6.97
	246.28	268.32	263.50	37.6	39.0	38.3	6.55	6.88	6.88
SOUTH CAROLINA									
Charleston—North Charleston	260.74	284.62	288.05	38.8	40.2	40.8	6.72	7.08	7.06
Columbia	315.22	341.01	351.94	39.7	40.5	41.6	7.94	8.42	8.46
Greenville—Spartanburg	250.64	276.98	277.78	38.5	40.2	40.2	6.51	6.89	6.91
	243.08	270.55	269.94	38.1	40.2	40.9	6.38	6.73	6.60
SOUTH DAKOTA									
Sioux Falls	321.14	299.84	293.97	42.2	41.3	41.0	7.61	7.26	7.17
	458.35	(*)	(*)	48.4	(*)	(*)	9.47	(*)	(*)
TENNESSEE									
Chattanooga	279.24	303.00	307.57	39.0	40.4	40.9	7.16	7.50	7.52
Knoxville	277.61	296.53	305.28	39.1	41.3	42.4	7.10	7.18	7.20
Memphis	329.41	359.50	359.79	38.8	39.9	40.2	8.49	9.01	8.95
Nashville—Davidson	312.00	333.29	342.59	40.0	41.3	42.4	7.80	8.07	8.08
	310.47	324.77	334.97	39.4	39.8	40.8	7.88	8.16	8.21
TEXAS									
Dallas—Fort Worth	340.56	360.37	361.42	39.6	40.4	40.7	8.60	8.92	8.88
Houston	332.77	361.97	363.67	39.9	40.9	41.0	8.34	8.85	8.87
San Antonio	408.80	440.49	442.32	40.0	40.9	41.3	10.22	10.77	10.71
	248.92	266.13	274.73	39.7	39.9	40.7	6.27	6.67	6.75
UTAH									
Salt Lake City—Ogden	322.62	345.93	341.93	38.0	39.0	38.9	8.49	8.87	8.79
	320.50	350.24	347.53	38.2	39.8	39.9	8.39	8.80	8.71
VERMONT									
Burlington	294.36	304.07	312.73	39.3	39.8	40.3	7.49	7.64	7.76
Springfield	333.33	353.05	368.94	40.7	41.1	42.9	8.19	8.59	8.60
	309.29	297.97	312.41	39.2	38.3	39.1	7.89	7.78	7.99
VIRGINIA									
Bristol	285.53	306.43	310.37	38.9	39.9	40.1	7.34	7.68	7.74
Lynchburg	243.96	258.72	259.67	38.0	38.5	40.7	6.42	6.72	6.38
Norfolk—Virginia Beach—Portsmouth	270.02	291.60	298.00	38.3	40.0	40.6	7.05	7.29	7.34
Northern Virginia	324.31	344.60	324.72	41.9	43.4	41.0	7.74	7.94	7.92
Petersburg—Colonial Heights—Hopewell	324.82	346.01	348.19	40.2	42.3	41.8	8.08	8.18	8.33
Richmond	371.51	395.92	392.43	38.3	40.4	39.8	9.70	9.80	9.86
Roanoke	365.74	410.41	396.55	39.2	39.5	38.5	9.33	10.39	10.30
	250.49	273.74	278.59	39.2	39.5	40.2	6.39	6.93	6.93
WASHINGTON									
	435.79	447.76	(*)	38.6	38.7	(*)	11.29	11.57	(*)
WEST VIRGINIA									
Charleston	357.38	392.63	389.67	38.1	39.7	39.4	9.38	9.89	9.89
Huntington—Ashland	435.72	488.48	486.06	41.3	43.0	42.9	10.55	11.36	11.33
Parkersburg—Marletta	392.77	426.86	422.99	36.2	38.7	38.7	10.85	11.03	10.93
Wheeling	423.30	441.66	441.66	41.5	41.2	41.2	10.20	10.72	10.72
	389.04	434.33	426.02	37.3	38.2	38.8	10.43	11.37	10.98
WISCONSIN									
Appleton—Oshkosh	364.21	393.50	389.09	39.4	40.4	41.0	9.23	9.74	9.49
Eau Claire	359.85	397.10	393.76	40.5	42.2	41.8	8.89	9.41	9.42
Green Bay	357.39	382.45	381.07	40.0	40.6	40.8	8.94	9.42	9.34
Janesville—Beloit	397.61	429.09	428.82	42.5	41.7	42.0	9.35	10.29	10.21
Kenosha	353.66	427.27	394.23	39.1	40.5	40.6	9.05	10.55	9.71
La Crosse	492.20	446.50	484.16	41.8	38.0	41.1	11.79	11.75	11.78
Madison	330.80	366.83	356.40	38.2	40.4	40.5	8.66	9.08	8.80
Milwaukee	347.26	377.99	369.74	38.9	40.6	40.9	8.92	9.31	9.04
Racine	413.80	445.67	434.97	39.3	41.0	40.5	10.53	10.87	10.74
	362.88	401.58	397.20	37.5	39.8	39.8	9.67	10.09	9.98
WYOMING									
	317.53	329.35	334.74	37.4	37.9	38.3	8.49	8.69	8.74

See footnotes at end of table.

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

C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P
VIRGIN ISLANDS	404.26	416.57	424.76	41.0	40.8	41.0	9.86	10.21	10.36

¹ Area included in Chicago—Gary Standard Consolidated Statistical Area.
² Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
³ Subarea of New York—Northeastern New Jersey.
⁴ Subarea of Rochester Standard Metropolitan Statistical Area.
⁵ Area included in New York and Nassau—Suffolk combined SMSA's.
⁶ Subarea of New York Standard Metropolitan Statistical Area.
⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

⁸ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.
 p = preliminary.
 *Not available.

NOTE: All State and area data have been adjusted to March 1982 benchmarks except Alaska and Wisconsin.

SOURCE: Cooperating State agencies listed on inside back cover.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P
ALABAMA	1,727.7	1,758.3	1,744.5	258.5	232.0	212.0	15.0	13.2	12.2
Birmingham	392.5	391.0	390.2	60.9	46.4	44.8	15.5	11.9	11.5
Huntsville	151.7	158.5	157.5	17.7	16.0	13.9	11.7	10.1	8.9
Mobile	195.8	202.8	201.1	29.1	29.2	29.0	14.8	14.4	14.4
Montgomery	126.8	125.8	124.8	15.8	13.5	12.7	12.4	10.7	10.2
Tuscaloosa	55.3	55.6	55.8	7.4	6.6	6.4	13.4	11.9	11.5
ALASKA	221.3	235.0	232.7	18.4	19.9	19.0	8.3	8.5	8.2
ARIZONA	1,314.1	1,327.1	1,326.3	149.3	135.9	125.5	11.4	10.2	9.5
Phoenix	795.7	808.8	810.0	69.0	62.4	57.9	8.7	7.7	7.1
Tucson	240.4	245.6	246.0	25.6	23.2	21.1	10.6	9.5	8.6
ARKANSAS	1,029.2	1,017.3	1,017.4	95.2	93.9	92.4	9.2	9.2	9.1
Fayetteville-Springdale	82.3	81.3	81.0	5.9	5.4	5.1	7.2	6.6	6.3
Fort Smith	85.7	88.3	85.6	8.5	8.7	8.6	9.9	9.9	10.0
Little Rock—North Little Rock	199.5	195.9	195.7	14.9	14.6	15.1	7.5	7.5	7.7
Pine Bluff	38.7	37.2	37.3	4.1	3.6	3.7	10.6	9.8	9.9
CALIFORNIA	12,368.0	12,437.6	12,493.2	1,256.1	1,181.9	1,187.6	10.2	9.5	9.5
Anahelm—Santa Ana—Garden Grove	1,217.8	1,230.1	1,224.4	98.9	76.7	78.2	8.1	6.2	6.4
Bakersfield	215.2	226.5	223.8	26.6	26.5	26.2	12.4	11.7	11.7
Fresno	317.5	305.2	320.8	38.5	35.8	34.8	12.1	11.7	10.8
Los Angeles—Long Beach	3,803.0	3,753.0	3,806.0	345.0	393.0	397.0	9.1	10.5	10.4
Modesto	149.3	146.6	151.9	22.6	25.9	21.7	15.2	17.6	14.3
Oxnard—Simi Valley—Ventura	269.4	274.6	272.7	32.4	25.7	29.4	12.0	9.4	10.8
Riverside—San Bernardino—Ontario	638.0	646.1	638.9	90.2	70.8	73.3	14.1	11.0	11.5
Sacramento	524.9	531.8	531.2	59.5	51.4	50.6	11.3	9.7	9.5
Salinas—Seaside—Monterey	150.1	156.0	153.7	14.0	13.9	14.4	9.3	8.9	9.4
San Diego	847.5	863.6	861.9	88.3	69.8	69.7	10.4	8.1	8.1
San Francisco—Oakland	1,771.6	1,813.0	1,803.5	162.1	137.7	141.8	9.2	7.6	7.9
San Jose	836.7	852.9	852.5	64.2	60.5	59.0	7.7	7.1	6.9
Santa Barbara—Santa Maria—Lompoc	164.8	170.9	168.6	13.2	11.2	11.4	8.0	6.6	6.8
Santa Rosa	150.2	150.5	152.0	15.7	12.7	12.6	10.4	8.4	8.3
Stockton	184.9	185.6	187.5	25.9	27.4	25.7	14.0	14.8	13.7
Vallejo—Fairfield—Napa	144.5	146.8	146.3	16.2	14.5	14.7	11.2	9.9	10.0
COLORADO	1,593.0	1,665.0	1,666.5	124.2	111.9	107.6	7.8	6.7	6.5
Denver—Boulder	941.5	982.1	984.3	64.0	56.9	55.9	6.8	5.8	5.7
CONNECTICUT	1,604.0	1,632.9	1,622.7	107.3	103.2	86.5	6.7	6.3	5.3
Bridgeport	194.5	191.8	192.3	14.8	14.0	12.3	7.6	7.3	6.4
Hartford	383.9	396.1	392.0	24.6	23.0	19.5	6.4	5.8	5.0
New Britain	71.4	72.3	70.7	6.8	6.0	4.7	9.5	8.3	6.6
New Haven—West Haven	198.3	199.2	198.7	13.1	14.0	12.4	6.6	7.0	6.2
Stamford	127.3	132.5	132.4	5.3	5.2	4.6	4.2	4.0	3.5
Waterbury	106.4	106.3	104.3	8.8	8.1	5.9	8.3	7.6	5.7
DELAWARE	308.0	303.3	299.5	27.1	23.0	22.5	8.8	7.6	7.5
Wilmington	266.1	263.4	261.1	26.4	21.1	21.3	9.9	8.0	8.1
DISTRICT OF COLUMBIA	318.7	341.3	339.4	35.8	38.6	38.9	11.2	11.3	11.5
Washington SMSA	1,724.4	1,802.6	1,816.5	102.2	90.0	97.5	5.9	5.0	5.4
FLORIDA	4,819.0	5,017.4	5,096.6	375.1	409.1	419.3	7.8	8.2	8.2
Daytona Beach	118.4	124.1	125.7	6.9	7.8	7.6	5.8	6.3	6.0
Fort Lauderdale—Hollywood	509.0	529.3	537.2	31.6	35.5	35.8	6.2	6.7	6.7
Fort Myers—Cape Coral	104.4	105.8	107.0	7.4	7.2	7.4	7.1	6.8	6.9
Gainesville	80.5	83.3	83.7	3.1	3.5	3.4	3.8	4.2	4.1
Jacksonville	363.3	380.2	388.0	22.6	25.9	28.0	6.2	6.8	7.2
Lakeland—Winter Haven	149.4	153.0	157.4	27.3	27.3	29.5	18.3	17.9	18.7
Melbourne—Titusville—Cocoa	131.9	141.1	143.6	9.1	10.5	10.5	6.9	7.5	7.3
Miami	860.4	888.4	903.1	75.7	80.8	82.2	8.8	9.1	9.1
Orlando	397.5	428.4	433.8	25.1	28.7	28.5	6.3	6.7	6.6
Pensacola	130.2	137.7	141.0	8.4	9.9	9.5	6.5	7.2	6.7
Sarasota	86.8	91.8	92.8	5.6	5.0	4.9	6.5	5.4	5.2
Tallahassee	92.6	91.9	94.2	4.4	4.2	4.4	4.7	4.6	4.7
Tampa—St. Petersburg	759.8	792.3	803.0	52.6	54.5	54.9	6.9	6.9	6.8
West Palm Beach—Boca Raton	280.8	299.2	304.0	23.8	28.4	30.9	8.5	9.5	10.2

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P
GEORGIA	2,686.9	2,701.5	2,699.4	201.5	199.1	187.7	7.5	7.4	7.0
Albany	53.0	53.0	53.1	4.9	5.1	5.2	9.3	9.5	9.9
Athens	65.4	65.4	65.6	4.0	4.2	4.2	6.2	6.4	6.4
Atlanta	1,106.4	1,111.7	1,111.7	68.8	67.4	66.7	6.2	6.0	6.0
Augusta	137.4	134.8	134.0	12.7	12.4	11.8	9.2	9.2	8.8
Columbus ¹	90.1	89.0	89.2	8.4	7.2	6.9	9.4	8.0	7.7
Macon	108.6	109.3	108.6	7.5	8.6	7.8	6.9	7.8	7.2
Savannah	97.5	98.5	98.7	7.9	8.8	8.2	8.1	9.0	8.3
HAWAII	463.7	469.9	469.0	30.9	33.1	30.7	6.7	7.1	6.5
Honolulu	353.1	358.6	358.1	21.5	22.5	21.1	6.1	6.3	5.9
IDAHO	446.7	457.0	456.4	42.8	42.6	41.7	9.6	9.3	9.1
Boise City	91.5	96.6	95.8	6.5	7.0	6.0	7.1	7.2	6.3
ILLINOIS²	5,699.6	5,656.9	5,605.9	649.0	662.9	632.8	11.4	11.7	11.3
Bloomington—Normal	62.0	62.4	60.8	5.2	5.1	4.8	8.4	8.2	7.9
Champaign—Urbana—Rantoul	82.5	84.8	83.7	5.2	5.8	5.8	6.2	6.9	6.9
Chicago	3,576.9	3,523.7	3,520.4	384.9	377.5	363.9	10.8	10.7	10.3
Davenport—Rock Island—Moline ¹	195.5	189.3	187.9	25.6	27.1	24.9	13.1	14.3	13.3
Decatur	64.1	63.5	63.5	12.3	9.5	8.7	19.2	14.9	13.7
Kankakee	43.2	42.1	41.5	6.8	6.9	6.7	15.9	16.5	16.0
Peoria	177.6	175.5	173.9	25.6	28.9	27.3	14.4	16.4	15.7
Rockford	138.6	135.5	137.1	24.4	19.1	17.7	17.6	14.1	12.9
Springfield	108.1	103.7	109.4	7.2	8.6	8.8	6.7	8.3	8.0
INDIANA	2,568.3	2,541.2	2,542.5	278.7	234.4	232.4	10.9	9.2	9.1
Anderson	53.7	54.2	54.1	7.1	5.3	5.4	13.2	9.7	10.0
Elkhart	68.6	74.6	75.3	6.7	4.3	4.5	9.7	5.7	6.0
Evansville ¹	147.1	148.4	150.6	12.0	14.5	14.9	8.2	9.7	9.9
Fort Wayne	187.7	181.5	181.1	20.0	16.3	17.3	10.6	9.0	9.5
Gary—Hammond—East Chicago	289.8	277.2	276.2	43.6	35.2	35.7	15.1	12.7	12.9
Indianapolis	601.9	598.8	599.6	54.4	49.2	49.2	9.0	8.2	8.2
Lafayette—West Lafayette	59.3	60.3	59.6	4.5	4.0	3.8	7.6	6.6	6.4
Muncie	53.4	52.6	51.8	6.6	5.5	5.0	12.3	10.5	9.7
South Bend	137.8	137.7	136.7	12.6	12.0	10.1	9.2	8.7	7.4
Terre Haute	78.6	77.9	78.0	8.3	8.4	8.3	10.5	10.8	10.6
IOWA	1,424.3	1,415.7	1,392.4	116.0	106.2	103.1	8.1	7.5	7.4
Cedar Rapids	84.5	79.9	78.4	8.6	6.6	5.9	10.2	8.2	7.5
Des Moines	182.3	178.6	176.2	14.9	12.8	11.2	8.2	7.1	6.4
Dubuque	42.9	42.2	41.7	6.1	4.6	4.2	14.1	11.0	10.2
Sioux City ¹	54.3	53.8	53.0	4.6	3.8	3.5	8.4	7.2	6.6
Waterloo—Cedar Falls	65.7	63.0	62.9	7.0	7.2	13.4	10.7	11.4	21.3
KANSAS	1,186.5	1,200.6	1,186.5	82.0	68.0	65.7	6.9	5.7	5.5
Lawrence	32.7	32.2	32.9	1.6	1.7	1.7	5.0	5.4	5.2
Topeka	94.8	96.1	95.1	6.3	6.0	5.8	6.7	6.2	6.1
Wichita	224.9	225.9	224.0	24.8	16.8	16.2	11.0	7.4	7.2
KENTUCKY	1,681.9	1,637.7	1,645.0	171.7	187.5	174.3	10.2	11.4	10.6
Lexington—Fayette	181.5	171.3	171.4	10.9	9.7	9.0	6.0	5.7	5.2
Louisville ¹	434.7	418.7	418.3	48.5	42.4	39.8	11.2	10.1	9.5
Owensboro	44.3	42.5	42.8	3.6	4.8	3.6	8.1	11.2	8.5
LOUISIANA	1,864.5	1,897.8	1,907.8	202.2	239.3	229.5	10.8	12.6	12.0
Alexandria	74.6	75.8	76.6	8.6	9.2	8.9	11.6	12.2	11.6
Baton Rouge	228.0	235.9	237.3	22.3	25.7	24.2	9.8	10.9	10.2
Lafayette	100.5	102.2	101.9	5.5	8.9	8.7	5.5	8.7	8.5
Lake Charles	77.2	75.9	76.2	11.5	11.6	11.6	15.0	15.3	15.2
Monroe	57.0	58.4	58.4	7.1	6.8	6.5	12.4	11.6	11.2
New Orleans	514.2	520.6	521.8	49.3	57.4	56.2	9.6	11.0	10.8
Shreveport	162.7	166.2	167.4	16.9	20.0	19.1	10.4	12.1	11.4
MAINE	533.4	564.6	564.6	40.3	56.5	41.5	7.6	10.0	7.4
Lewiston—Auburn	37.9	40.6	39.8	3.4	6.2	3.2	8.9	15.3	8.0
Portland	93.7	102.0	100.9	5.5	6.9	6.0	5.9	6.7	6.0
MARYLAND	2,165.8	2,217.3	2,227.6	184.0	139.9	142.3	8.5	6.3	6.4
Baltimore	1,065.0	1,086.6	1,078.3	106.7	78.1	75.1	10.0	7.2	7.0

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P
MASSACHUSETTS¹	3,112.6	3,046.3	3,063.9	237.5	189.9	183.4	7.6	6.2	6.0
Boston	1,495.8	1,479.6	1,486.4	100.4	78.7	77.6	6.7	5.3	5.2
Brockton	83.9	82.3	82.0	7.5	6.3	6.2	8.9	7.6	7.5
Fall River ¹	79.2	74.5	74.3	8.2	7.6	6.3	10.4	10.3	8.5
Lawrence—Haverhill ¹	153.6	150.8	146.1	13.4	10.9	10.2	8.7	7.2	7.0
Lowell	138.3	136.4	137.7	9.9	7.2	7.0	7.1	5.3	5.1
New Bedford	89.2	88.0	87.5	10.0	8.0	6.9	11.2	9.1	7.9
Springfield—Chicopee—Holyoke	296.7	288.9	290.3	22.3	18.6	19.1	7.5	6.4	6.6
Worcester	209.3	199.5	199.7	19.7	13.9	13.0	9.4	6.9	6.5
MICHIGAN²	4,353.7	4,403.8	4,370.0	633.4	574.8	585.9	14.5	13.1	13.4
Ann Arbor	144.0	145.6	142.6	14.7	13.2	15.2	10.2	9.1	10.6
Battle Creek	84.6	84.7	84.2	13.4	10.5	10.1	15.8	12.3	12.0
Bay City	53.6	55.3	54.6	7.4	8.6	8.1	13.8	15.5	14.8
Benton Harbor	71.5	72.1	71.1	10.9	10.5	9.8	15.2	14.6	13.8
Detroit	2,011.7	2,018.4	2,007.0	307.4	275.0	286.5	15.3	13.6	14.3
Flint	221.3	233.1	229.0	39.0	38.0	35.5	17.6	16.3	15.5
Grand Rapids	333.9	341.4	338.6	35.5	36.9	36.5	10.6	10.8	10.8
Jackson	66.6	66.0	65.5	10.5	9.9	9.6	15.7	15.0	14.7
Kalamazoo—Portage	138.5	139.2	138.0	14.0	14.4	14.2	10.1	10.3	10.3
Lansing—East Lansing	242.0	246.9	247.6	31.0	22.1	25.0	12.8	8.9	10.1
Muskegon—Norton Shores—Muskegon Heights	82.3	81.1	80.8	14.6	11.8	12.2	17.7	14.5	15.1
Saginaw	100.5	101.2	99.7	15.0	13.0	12.7	15.0	12.9	12.7
MINNESOTA	2,199.2	2,205.7	2,219.6	173.6	164.9	160.5	7.9	7.5	7.2
Duluth—Superior ¹	121.4	109.4	110.1	24.7	16.4	17.3	20.3	15.0	15.7
Minneapolis—St. Paul	1,164.6	1,170.9	1,185.2	78.7	76.0	75.7	6.8	6.5	6.4
Rochester	58.6	60.9	60.8	3.0	3.2	3.0	5.1	5.2	5.0
St. Cloud	77.7	79.4	79.5	6.8	6.9	6.7	8.8	8.7	8.4
MISSISSIPPI	1,058.3	1,078.3	1,057.1	121.4	145.5	128.7	11.5	13.5	12.2
Jackson	161.5	160.0	159.4	12.7	14.1	12.9	7.8	8.8	8.1
MISSOURI	2,323.8	2,363.0	2,351.4	213.2	224.6	209.0	9.2	9.5	8.9
Kansas City ¹	673.7	684.5	680.1	55.7	55.0	50.9	8.3	8.0	7.5
St. Joseph	46.2	47.1	46.7	4.3	4.4	4.4	9.4	9.4	9.4
St. Louis ¹	1,133.5	1,152.9	1,148.7	110.8	120.3	115.0	9.8	10.4	10.0
Springfield	109.0	114.3	114.8	7.7	8.3	7.9	7.0	7.3	6.9
MONTANA	407.0	391.6	391.4	32.3	32.6	30.3	7.9	8.3	7.7
NEBRASKA	799.4	810.9	789.9	46.7	43.2	38.7	5.8	5.3	4.9
Lincoln	108.4	107.4	107.5	5.6	4.8	4.1	5.2	4.5	3.8
Omaha ¹	284.6	287.4	286.8	19.0	17.1	16.5	6.7	6.0	5.7
NEVADA	492.9	499.5	497.7	49.9	44.8	43.4	10.1	9.0	8.7
Las Vegas	273.7	278.3	276.6	30.5	27.2	26.7	11.2	9.8	9.6
Reno	134.2	135.6	135.8	10.9	9.8	9.1	8.1	7.2	6.7
NEW HAMPSHIRE	497.7	512.1	510.1	33.5	28.8	21.1	6.7	5.6	4.1
Manchester	84.7	89.5	88.7	5.8	5.5	3.7	6.9	6.1	4.2
Nashua	84.7	89.6	89.9	5.3	4.0	3.2	6.3	4.5	3.5
NEW JERSEY	3,659.6	3,737.4	3,726.0	320.2	309.3	319.5	8.7	8.3	8.6
Atlantic City	125.7	132.3	131.7	10.3	11.3	11.4	8.2	8.6	8.7
Jersey City	243.2	245.8	245.4	31.5	32.5	32.9	13.0	13.2	13.4
Long Branch—Asbury Park	257.8	266.0	263.9	20.0	19.0	19.1	7.8	7.1	7.2
New Brunswick—Perth Amboy—Sayreville	336.0	341.1	340.6	28.2	27.0	28.0	8.4	7.9	8.2
Newark	983.8	996.2	994.7	87.6	79.8	82.8	8.9	8.0	8.3
Paterson—Clifton—Passaic	210.3	221.3	220.5	23.8	24.0	25.2	11.3	10.8	11.4
Trenton	156.9	160.3	159.2	13.2	12.2	12.3	8.4	7.6	7.7
Vineland—Millville—Bridgeton	59.6	58.7	59.7	8.9	8.4	9.1	15.0	14.2	15.3
NEW MEXICO	598.1	610.4	604.3	56.4	64.6	59.5	9.4	10.6	9.8
Albuquerque	219.9	228.6	225.1	17.7	20.1	19.6	8.1	8.8	8.7
Las Cruces	36.9	38.6	39.2	3.9	3.9	3.6	10.6	10.2	9.2

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P
NEW YORK ¹	8,169.8	8,408.1	8,422.9	685.5	731.9	694.7	8.4	8.7	8.2
Albany—Schenectady—Troy	382.1	394.1	395.2	23.1	27.8	24.7	6.0	7.1	6.3
Binghamton ¹	142.8	147.2	146.4	9.9	11.0	9.6	6.9	7.5	6.6
Buffalo	558.0	560.6	558.8	65.0	63.6	58.2	11.6	11.3	10.4
Elmira	38.6	39.1	39.0	3.9	3.6	3.2	10.2	9.3	8.1
Nassau-Suffolk	1,374.5	1,465.1	1,460.3	81.3	94.6	89.8	5.9	6.5	6.1
New York	3,717.1	3,764.8	3,791.4	361.5	366.8	364.1	9.7	9.7	9.6
New York City ²	3,086.0	3,101.0	3,128.0	329.0	330.0	330.0	10.7	10.6	10.6
Poughkeepsie	117.6	123.1	122.4	6.0	7.7	6.8	5.1	6.2	5.6
Rochester	483.6	498.0	495.1	29.5	41.4	36.1	6.1	8.3	7.3
Syracuse	303.8	318.2	318.2	21.1	22.2	20.5	6.9	7.0	6.4
Utica—Rome	137.5	141.9	141.2	10.7	11.7	9.8	7.8	8.2	6.9
NORTH CAROLINA	2,970.3	2,951.3	2,952.6	271.3	254.9	233.9	9.1	8.6	7.9
Asheville	93.7	94.4	94.1	7.4	6.8	6.1	7.9	7.1	6.5
Charlotte—Gastonia	383.1	384.6	386.8	28.2	26.4	25.3	7.4	6.9	6.5
Greensboro—Winston-Salem—High Point	452.1	457.7	457.3	38.1	35.1	31.3	8.4	7.7	6.9
Raleigh—Durham	315.7	326.6	328.2	14.5	15.1	14.4	4.6	4.6	4.4
NORTH DAKOTA	344.0	336.2	335.9	16.7	14.4	14.1	4.8	4.3	4.2
Fargo—Moorehead ¹	72.4	72.2	72.3	3.8	3.7	4.2	5.2	5.1	5.8
OHIO ²	5,248.5	5,302.1	5,244.1	658.6	578.7	564.7	12.5	10.9	10.8
Akron	312.7	319.1	315.3	37.7	33.9	32.3	12.1	10.6	10.2
Canton	199.7	198.0	196.6	29.1	24.3	24.1	14.6	12.3	12.3
Cincinnati ¹	696.2	697.9	692.6	71.8	65.2	63.1	10.3	9.3	9.1
Cleveland	963.1	968.7	958.1	107.3	99.7	98.3	11.1	10.3	10.3
Columbus	582.4	600.6	594.0	53.1	50.9	47.4	9.1	8.5	8.0
Dayton	396.3	399.1	396.4	44.6	37.6	37.2	11.3	9.4	9.4
Toledo ¹	374.0	383.8	382.0	44.9	44.5	44.3	12.0	11.6	11.6
Youngstown—Warren	245.6	237.7	237.4	52.2	34.1	36.5	21.2	14.3	15.4
OKLAHOMA	1,467.8	1,527.1	1,519.0	87.4	134.6	125.1	6.0	8.8	8.2
Enid	31.2	31.9	32.0	1.7	2.3	2.2	5.4	7.2	6.7
Lawton	33.9	36.9	35.6	1.7	2.3	2.2	4.9	6.3	6.1
Oklahoma City	455.6	478.0	477.8	20.3	30.6	29.3	4.5	6.4	6.1
Tulsa	355.1	361.5	360.7	24.0	35.5	33.1	6.8	9.8	9.2
OREGON	1,317.8	1,350.0	1,346.8	141.0	127.9	123.0	10.7	9.5	9.1
Eugene—Springfield	128.5	131.0	129.9	14.7	13.1	12.2	11.4	10.0	9.4
Medford	63.3	65.2	65.3	8.6	6.5	6.1	13.6	9.9	9.4
Portland ¹	656.6	673.7	662.4	65.0	62.5	59.8	9.9	9.3	9.0
Salem	130.7	128.6	134.9	11.6	10.3	10.1	8.9	8.0	7.5
PENNSYLVANIA ¹	5,586.2	5,670.3	5,644.8	574.2	616.8	609.7	10.3	10.9	10.8
Allentown—Bethlehem—Easton ¹	318.7	318.2	318.0	35.5	33.6	34.8	11.1	10.6	10.9
Altoona	58.4	60.1	59.5	8.1	9.3	9.5	13.9	15.5	16.0
Erie	127.7	131.2	131.1	13.7	17.2	17.2	10.7	13.1	13.1
Harrisburg	243.0	246.6	248.0	14.1	15.1	15.1	5.8	6.1	6.1
Johnstown	108.1	110.4	109.3	15.7	21.4	19.9	14.5	19.4	18.2
Lancaster	188.4	189.3	190.5	12.2	11.5	10.8	6.4	6.1	5.7
Northeast Pennsylvania	296.1	301.5	300.5	28.1	34.2	32.9	9.5	11.4	11.0
Philadelphia ¹	2,217.0	2,264.1	2,253.6	179.4	184.3	187.8	8.1	8.1	8.3
Pittsburgh	1,054.3	1,064.0	1,054.6	131.8	141.0	141.9	12.5	13.3	13.5
Reading	160.1	163.6	163.3	13.8	14.6	12.5	8.6	8.9	7.6
Sharon	55.8	54.9	54.0	8.2	9.3	8.9	14.8	16.9	16.5
State College	49.9	51.3	51.8	4.6	5.2	5.0	9.1	10.1	9.6
Williamsport	53.3	53.7	53.4	5.6	7.3	7.5	10.4	13.7	14.0
York	186.2	183.0	186.0	21.1	18.6	18.2	11.3	10.2	9.8
RHODE ISLAND	489.6	480.8	483.0	53.4	44.5	37.5	10.9	9.3	7.8
Providence—Warwick—Pawtucket ¹	484.8	470.5	473.2	54.5	44.8	38.1	11.3	9.5	8.1
SOUTH CAROLINA	1,508.5	1,456.1	1,444.6	172.9	143.4	131.1	11.5	9.8	9.1
Charleston—North Charleston	180.6	178.2	175.2	15.2	15.7	14.7	8.4	8.8	8.4
Columbia	199.8	192.8	193.5	16.3	13.2	12.0	8.2	6.8	6.2
Greenville—Spartanburg	295.9	282.6	278.3	34.1	24.8	22.4	11.5	8.8	8.0
SOUTH DAKOTA	340.6	342.6	337.4	16.3	16.5	14.3	4.8	4.8	4.3
Sioux Falls	63.0	65.1	64.2	2.6	2.6	2.1	4.1	4.0	3.2
TENNESSEE	2,134.2	2,158.7	2,166.2	246.7	234.4	216.1	11.6	10.9	10.0
Chattanooga ¹	196.2	193.0	196.6	18.8	17.8	17.2	9.6	9.2	8.8
Knoxville	234.7	233.8	235.1	19.8	22.7	21.8	8.4	9.7	9.3
Memphis ¹	403.2	402.7	405.2	39.8	36.0	35.0	9.9	9.0	8.6
Nashville—Davidson	445.3	442.3	441.6	39.0	35.0	31.2	8.8	7.9	7.1

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P	AUG. 1982	JULY 1983	AUG. 1983P
TEXAS²	7,415.0	7,720.8	7,659.2	521.5	637.1	580.7	7.0	8.3	7.6
Abilene	76.3	80.2	80.3	4.0	4.2	4.3	5.2	5.2	5.4
Amarillo	92.0	99.9	99.5	4.8	5.3	4.9	5.2	5.3	4.9
Austin	289.1	305.5	303.6	13.5	13.1	11.6	4.7	4.3	3.8
Beaumont—Port Arthur—Orange	183.6	184.9	182.0	21.1	26.3	24.3	11.5	14.2	13.4
Brownsville—Harlingen—San Benito	85.4	88.2	88.0	9.4	14.5	13.2	11.0	16.5	15.0
Bryan—College Station	50.3	51.1	50.6	2.8	2.0	1.8	5.5	4.0	3.6
Corpus Christi	166.0	176.4	175.6	12.2	20.7	19.3	7.4	11.7	11.0
Dallas—Fort Worth	1,718.6	1,798.7	1,793.3	101.9	97.0	87.6	5.9	5.4	4.9
El Paso	192.3	198.5	195.6	21.4	24.4	21.1	11.1	12.3	10.8
Galveston—Texas City	90.6	91.9	90.5	9.8	11.4	10.8	10.8	12.4	12.0
Houston	1,773.0	1,824.3	1,800.2	121.9	178.3	162.0	6.9	9.8	9.0
Killeen—Temple	70.1	74.4	74.5	4.0	4.1	3.8	5.7	5.5	5.1
Laredo	41.1	40.9	39.9	5.9	10.7	9.6	14.5	26.1	24.0
Longview—Marshall	80.4	82.0	81.2	8.0	9.7	8.9	9.9	11.8	11.0
Lubbock	105.4	110.6	109.7	5.6	7.9	6.8	5.3	7.2	6.2
McAllen—Pharr—Edinburg	105.2	111.1	112.2	16.8	23.3	23.7	16.0	21.0	21.1
Midland	64.6	68.0	67.8	3.3	4.2	3.9	5.1	6.1	5.7
Odessa	74.8	74.3	73.6	4.5	7.1	6.5	6.1	9.6	8.8
San Angelo	47.5	48.0	47.8	2.4	2.6	2.4	5.1	5.3	5.0
San Antonio	469.3	500.3	499.3	30.1	31.0	28.6	6.4	6.2	5.7
Sherman—Denison	40.7	40.2	39.7	4.2	3.1	2.7	10.3	7.6	6.8
Texarkana	50.7	52.2	51.4	4.7	5.1	4.5	9.3	9.7	8.8
Tyler	72.0	75.1	74.6	4.8	5.1	4.5	6.7	6.8	6.1
Waco	83.7	87.2	86.7	4.7	4.8	4.3	5.6	5.5	5.0
Wichita Falls	66.3	68.0	67.9	4.0	4.2	3.9	6.0	6.2	5.7
UTAH	675.5	669.3	671.6	51.9	58.2	54.8	7.7	8.7	8.2
Salt Lake City—Ogden	441.1	437.6	438.8	34.0	35.8	34.1	7.7	8.2	7.8
VERMONT	268.2	266.3	268.5	17.4	16.9	15.3	6.5	6.3	5.7
Burlington	69.9	68.7	69.4	3.6	3.2	3.2	5.1	4.6	4.6
VIRGINIA	2,679.5	2,764.1	2,751.7	203.5	156.7	145.8	7.6	5.7	5.3
Lynchburg	77.3	77.0	76.6	7.1	4.8	3.9	9.1	6.2	5.1
Newport News—Hampton	173.5	183.6	183.3	10.8	7.9	7.8	6.2	4.3	4.3
Norfolk—Virginia Beach—Portsmouth	345.1	363.3	362.7	24.7	19.2	19.1	7.2	5.3	5.3
Petersburg—Colonial Heights—Hopewell	58.1	58.8	58.3	5.5	4.9	4.5	9.5	8.3	7.8
Richmond	340.5	350.7	351.0	20.8	15.5	15.6	6.1	4.4	4.4
Roanoke	114.2	120.3	118.4	8.5	8.0	6.1	7.5	6.6	5.1
WASHINGTON	2,019.0	2,026.5	2,032.5	239.8	212.1	204.3	11.9	10.5	10.1
WEST VIRGINIA	775.2	768.0	772.0	106.0	133.5	129.0	13.7	17.4	16.7
Charleston	124.1	119.8	122.5	12.4	15.1	16.7	10.0	12.6	13.6
Huntington—Ashland ¹	126.5	124.1	123.5	17.9	21.2	20.9	14.2	17.1	16.9
Parkersburg—Martetta ¹	74.9	74.7	75.1	9.0	10.7	10.5	12.0	14.3	13.9
Wheeling ¹	85.0	82.0	82.0	11.8	12.5	12.7	13.9	15.3	15.5
WISCONSIN	2,476.5	2,437.1	2,434.7	253.7	231.9	225.9	10.2	9.5	9.3
Appleton—Oshkosh	154.1	153.2	152.8	14.5	14.4	13.0	9.4	9.4	8.5
Eau Claire	59.9	60.7	59.8	6.1	5.2	5.0	10.2	8.6	8.4
Green Bay	98.9	95.4	96.1	8.4	8.2	7.8	8.6	8.6	8.1
Janesville—Beloit	73.1	72.7	73.1	13.7	7.9	12.2	18.8	10.8	16.7
Kenosha	60.6	60.8	60.6	5.2	5.6	5.3	8.6	9.1	8.8
La Crosse	50.2	51.2	50.8	4.1	4.1	3.9	8.3	8.0	7.6
Madison	192.0	192.9	193.7	12.1	12.6	12.3	6.3	6.5	6.3
Milwaukee	742.7	718.3	715.2	80.7	72.3	70.3	10.9	10.1	9.8
Racine	86.7	83.9	83.2	12.5	10.3	9.6	14.4	12.3	11.5
WYOMING	258.1	268.0	263.6	15.3	23.4	20.1	5.9	8.7	7.6

¹ Includes interstate portion of area located in adjacent State.

² Data are obtained directly from the Current Population Survey. (See "Explanatory Notes" for State and Area Unemployment Data in Employment and Earnings, monthly.)

becomes available. Data refer to place of residence.

p = preliminary.

N.A. = not available.

NOTE: Estimates for 1982 have been benchmarked to 1982 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1983 are provisional and will be revised when new benchmark information

SOURCE: Current Population Survey and Cooperating State Employment Security Agencies listed on inside back cover.

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

Explanatory Notes

Introduction

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

Data based on household interviews are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed, and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 60,000 households, representing 629 areas in 1,148 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 based on payroll reports from a sample of establishments employing over 30 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 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 approach 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 workers' sole or primary job. Data from the establishment survey generally refer to mean earnings of production and related workers in mining and manufacturing, construction workers in construction, and nonsupervisory employees in private service-producing industries. For a comprehensive discussion of the household survey earnings series, see *Technical Description of the Quarterly Data on Weekly Earnings from the Current Population Survey*, BLS Bulletin 2113.

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

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

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

Statistics on manufactures and business, Bureau of the Census. BLS establishment statistics on employment differ from employment counts derived by the Bureau of Census from its censuses or annual sample survey of manufacturing establishments and the censuses of business establishments. The major reasons for some 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 this 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

These monthly surveys of the population are conducted with a scientifically selected sample designed to represent the civilian noninstitutional population. Respondents are interviewed to obtain information about the employment status of each member of the household 16 years of age and over. Separate statistics are also collected for 14- and 15-year-olds. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, which includes the 12th of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

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

Each month about 60,000 occupied units are eligible for interview. About 2,500 of these households are visited but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of between 4 or 5 percent. In addition to the 60,000 occupied units, there are 11,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next and one-half to be common with the same month a year earlier.

CONCEPTS AND DEFINITIONS

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

Employed persons are (a) all civilians who, during the survey week, did any work at all as paid employees, in their own business, profession, or on their own farm, or

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

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

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

Unemployed persons are all civilians who had no employment during the survey week, were available for work, except for temporary illness, and (a) had made specific efforts to find employment sometime during the prior 4 weeks, or (b) were waiting to be recalled to a job from which they had been laid off, or (c) were waiting to report to a new job within 30 days.

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, ethnic 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 blood 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.

The distribution of employment by hours worked relates to persons at work during the survey week. At-work data differ from data on total employment because the latter include persons in the zero-hours-worked category, with a job but not at work. Included in this latter group are persons who were on vacation, ill, involved in a labor dispute, or otherwise absent from their jobs for voluntary, noneconomic reasons.

Persons who worked 35 hours or more in 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 other 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. Other reasons include: Labor dispute, bad weather, own illness, vacation, demands of home, housework, 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.

The *full-time labor force* consists of persons working on full-time schedules, persons involuntarily working part time (part time for economic reasons), 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. Persons with a job but not at work during the survey week are classified according to whether they usually work full or part time.

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-4 and its annual counterpart, present data for the black population group. Because of their relatively small sample size, data for "other" races are not published. In the enumeration process, race is determined by the household respondent.

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

Major activity: Going to school and *Major activity: Other* are terms used to describe whether the activity of young persons during the reference week is primarily one of going to school or not. These statistics are published in table A-6 for 16- to 21-year-olds by employment status, race and sex, and if unemployed, whether seeking full-or part-time work.

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.

The *poverty areas* classification consists of all census geographic divisions in which 20 percent or more of the residents were poor according to the 1970 decennial census. Persons were classified as poor or not poor by using income thresholds adopted by a Federal interagency committee in 1969. These thresholds vary by family size, composition, and residence, (farm-nonfarm). 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 areas encompassed by Standard Metropolitan Statistical Areas (SMSA's). The metropolitan area total is based on the number of SMSA's as defined in the 1970 decennial census and does not include any subsequent additions or changes. *Nonmetropolitan areas* refer to the total of all areas outside SMSA's. The nonmetropolitan total is disaggregated into farm and nonfarm components.

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 and the incorporated self-employed, who usually work full time on their sole or primary job.

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 blood, marriage, or adoption; all such persons are considered as members of one family even though they may include a subfamily, that is, a married couple or a parent-child group related by blood or marriage to the householder and sharing the living quarters. The count of families used in this publication includes primary families only, that is, all persons in the household who are related to the householder. Excluded are secondary families which include 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.

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

Beginning in January 1983, the first-stage ratio adjustment methodology was updated to account for

results obtained from the 1980 census. The new procedure is described in the Estimating Methods section. 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 are only slight differences between the old and new procedures in estimates of level for the various labor force characteristics and virtually no differences in estimates of participation rates.

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 used in the 1980 census is based on the 1972 Standard Industrial Classification system (SIC), as modified in 1977. The adoption of the new system had much less of an adverse effect on historical comparability than did the new occupational

system. The most notable changes from the 1970 system were the transfer of farm equipment stores from "retail" to "wholesale" trade, postal service from "public administration" to "transportation", and some interchange between "professional and related services" and "public administration."

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

Changes in the sample design

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

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, the number of sample areas and the number of sample persons are increased occasionally. In 1953, the current rotation plan was introduced in which a sample unit is interviewed for 4 months, leaves the sample for 8 months, and then returns to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated into the design. A coverage improvement sample, composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units, was included

in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction units that previously had no chance for selection in the CPS sample. 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.

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. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 and 1980 expansions, almost all sample persons within the sample area have the same basic weight, but the weight may differ across sample areas. The basic weight is the same for almost all sample persons in unsupplemented States. The basic weights are then adjusted for noninterview, 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

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	¹ 330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963	² 333	33,500	1,500	6,000
Mar. 1963 to Dec. 1968	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 present	629	57,800	2,500	11,000

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

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

respondents for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and, within these, for six groups—two race categories (white, and black and other) within three residential categories. For sample areas which are Standard Metropolitan Statistical Areas, (SMSA's), these residence categories are the central cities, the urban, and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 4 to 5 percent, depending on weather, vacations, 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 629 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 procedure is performed at two geographic levels: First, by the four census regions (Northeast, North Central, South, and West), and second, for each of the 46 States which contains nonsample areas. Effective with January 1983 data, the procedure corrects for the differences that existed at the time of the 1980 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by race only. Prior to January 1983, the State adjustment was also done by urban-rural status. At both the regional and the State levels, the race-residence categories were changed from white/nonwhite to black/nonblack. The residence categories at the State level of the estimation procedure were dropped because definitional differences between the 1970 census and the 1980 census made it impossible to continue using the same categories.

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 two 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 for the State. The second step is applied to all sample persons and is a weighting to nationwide independent population estimates within 68 age-sex-race groups. 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 categories will be virtually equal to the independent population control totals. This second-stage adjustment procedure incorporates changes instituted in January 1982. The nature and effect of these changes are discussed in detail in "Revisions in the Current Population Survey Beginning in January 1982" in the February 1982 issue of *Employment and Earnings*.

The controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1, 1980, census through the latest available July 1 estimate, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in *Current Population Reports, Series P-25*. For a description of the methodology used in developing the State total, use Report 640 of that series. A description of the age estimates methodology are available on request from the Chief of the Population Division, U.S. Bureau of the Census; Washington, D.C. 20233.

Beginning with the January 1982 estimates, the independent national controls used for the age-sex-race groups in the final step of the second-stage ratio adjustment are prepared by carrying forward the April 1, 1980, total population by age, race, and sex, taking account of the subsequent aging of the population, fertility, mortality, and net immigration, and then subtracting the estimate for the institutional population and Armed Forces. The April 1, 1980, total population was computed by adding together the resident population, consistent with that published for the 1980 census in *Advance Reports, Series PHC80-V*, and the Armed Forces overseas, as compiled from Department of Defense reports.

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.

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. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of levels 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 repre-

sent all sample households and all persons within sample households (undercoverage).

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

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

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Compared to the level of the decennial census, undercoverage is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for men than for women, and larger for black, and other races combined than for whites. Ratio estimation to independent age-sex-race 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 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 and up-to-date 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 were 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 were 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 tables may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly

level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between 2 consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard errors for levels, labor force participation rates, and percentages as pertaining to the year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50, and for the 1956-66 period, they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates

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 (con- secutive months only)
Total, 16 years and over:		
Civilian labor force	255	195
Employed	276	209
Unemployed	152	149
Men, 20 years and over:		
Civilian labor force	155	135
Employed	173	152
Unemployed	110	106
Women, 20 years and over:		
Civilian labor force	190	144
Employed	190	148
Unemployed	90	92
Both sexes, 16 to 19 years:		
Civilian labor force	83	89
Employed	86	97
Unemployed	64	69
Black, 16 years and over:		
Civilian labor force	87	66
Employed	96	72
Unemployed	73	74
Men, 20 years and over:		
Civilian labor force	51	45
Employed	59	53
Unemployed	52	54
Women, 20 years and over:		
Civilian labor force	67	47
Employed	66	50
Unemployed	46	50
Both sexes, 16 to 19 years:		
Civilian labor force	33	37
Employed	28	32
Unemployed	32	32

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)	0.13	0.13	Occupation—Continued		
Men, 20 years and over . . . . .	.18	.18	Precision production, craft, and repair	0.42	0.48
Women, 20 years and over . . . . .	.20	.20	Machine operators, assemblers and inspectors . . . . .	.58	.68
Both sexes, 16 to 19 years . . . . .	.69	.81	Transportation and material moving . . . . .	.74	.89
White workers . . . . .	.14	.14	Handlers, equipment cleaners, helpers and laborers . . . . .	.83	.99
Black workers . . . . .	.60	.64	Farming, forestry, and fishing . . . . .	.71	.88
Married men, spouse present . . . . .	.19	.21	Industry		
Married women, spouse present . . . . .	.23	.25	Nonagricultural private wage and salary workers . . . . .	.16	.17
Full-time workers . . . . .	.15	.15	Mining	1.82	2.16
Part-time workers . . . . .	.34	.43	Construction . . . . .	.84	1.04
Unemployed 15 weeks and over . . . . .	.09	.11	Manufacturing . . . . .	.33	.38
Occupation			Durable goods . . . . .	.45	.52
Executive, administrative, and managerial . . . . .	.27	.31	Nondurable goods . . . . .	.49	.57
Professional specialty . . . . .	.22	.24	Transportation, communications, and public utilities . . . . .	.53	.61
Technicians and related support . . . . .	.53	.62	Wholesale and retail trade . . . . .	.31	.36
Sales . . . . .	.34	.38	Finance and services . . . . .	.23	.26
Administrative support, including clerical . . . . .	.27	.31	Government workers . . . . .	.26	.29
Private household	1.17	1.30	Agricultural wage and salary workers	1.33	1.65
Protective service . . . . .	.92	1.05			
Service, except private household and protective . . . . .	.43	.50			

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

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

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

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 percentages 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 indifferent categories, use the factor indicated by the numerator of the percentage.

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

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

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

Illustration. Suppose that one is interested in the year-to-year change of a monthly unemployment rate. Assume that for a certain month the unemployment rate is 6.9 percent, based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent, based on a total of 94,254,000 in the civilian labor force for the month. First the standard error on the average of the two estimates, 6.5 percent with a base of 94,965,000, is obtained from tables F (0.12 percentage point). The appropriate factor, then, from table J is 1.40. The approximate standard error on the change of 0.8 percent is then given by $0.12 \times 1.40 = 0.17$ percentage point. The approximate standard error of levels involving year-to-year change of quarterly estimates pertaining to

CPS earnings data for persons and families may be obtained by using table K in conjunction with the following formula:

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

Where x is the estimate for one quarter and Y is the estimate for another quarter. The coefficient, P , is a measure of the correlation between the estimates X and Y resulting from the presence of some of the same respondents in the sample for each estimate. For consecutive year-to-year changes of quarterly estimates, the values of P are .30 for persons (total, white, and black) and .35 for families (total, white, and black). The respective values for estimates of Hispanics are .45 and .55.

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

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

or about 259,000.

Table D. Standard errors for estimates of monthly level

(In thousands)

Estimated monthly level	Characteristic ¹								
	Agricultural employment	Labor force data other than unemployment and agricultural employment data						Unemployment	
		Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white men only, or women only	Black men only, or women only	Total or white	Black
50	14	11	11	11	11	10	10	10	11
100	19	15	15	15	15	14	14	15	16
500	43	34	34	33	29	32	31	33	35
1,000	61	48	47	46	33	45	42	47	49
2,000	85	68	64	63	-	63	55	66	67
4,000	120	95	64	80	-	87	66	93	68
6,000	148	118	94	66	-	105	58	113	99
8,000	-	133	97	83	-	120	23	129	-
10,000	-	147	94	70	-	132	-	143	-
15,000	-	177	50	-	-	155	-	172	-
20,000	-	201	-	-	-	170	-	195	-
30,000	-	236	-	-	-	188	-	-	-
40,000	-	261	-	-	-	189	-	-	-
50,000	-	278	-	-	-	175	-	-	-
60,000	-	288	-	-	-	141	-	-	-
70,000	-	293	-	-	-	81	-	-	-
80,000	-	293	-	-	-	-	-	-	-
100,000	-	273	-	-	-	-	-	-	-
120,000	-	231	-	-	-	-	-	-	-

¹ When determining the standard error of an estimate for a group which is a subset of the age, sex, or race groups listed, use the standard error for the next larger group, e.g., when determining the standard error on the estimated number of employed persons age 20 to 54 years, use the column for total employed.

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

(In thousands)

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

¹ See footnote 1, table D.

² Part-time labor force for unemployment also includes persons

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

Table F. Standard errors for unemployment rates

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.09	2.94	4.57	6.28	7.48	8.34	9.01	9.05	9.87	10.21
100	1.48	2.08	3.23	4.44	5.28	5.90	6.37	6.73	6.98	7.22
500 .....	.66	.93	1.45	1.99	2.36	2.64	2.85	3.01	3.12	3.27
1,000 .....	.47	.66	1.02	1.40	1.67	1.87	2.01	2.13	2.21	2.28
2,000 .....	.33	.46	.72	.99	1.18	1.32	1.42	1.50	1.56	1.61
4,000 .....	.23	.33	.51	.70	.83	.93	1.01	1.08	1.10	1.14
6,000 .....	.19	.27	.42	.57	.68	.76	.82	.87	.90	.93
10,000 .....	.15	.21	.32	.44	.53	.59	.64	.67	.70	.72
20,000 .....	.10	.15	.23	.31	.37	.42	.45	.47	.49	.51
60,000 .....	.06	.08	.13	.18	.21	.24	.26	.27	.27	.29
100,000 .....	.05	.07	.10	.14	.17	.19	.20	.21	.22	.22

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

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.32	3.28	5.14	7.18	8.69	9.90	10.93	11.81	12.58	14.48
100	1.64	2.32	3.64	5.08	6.14	7.00	7.12	8.35	8.89	10.17
500 .....	.73	1.04	1.63	2.27	2.74	3.13	3.45	3.73	3.97	4.53
1,000 .....	.52	.73	1.15	1.60	1.94	2.21	2.44	2.63	2.80	3.19
2,000 .....	.37	.52	.81	1.13	1.37	1.56	1.72	1.85	1.97	2.24
4,000 .....	.26	.37	.57	.80	.98	1.10	1.20	1.30	1.38	1.58
6,000 .....	.21	.30	.47	.65	.78	.89	.98	1.05	1.11	-
10,000 .....	.16	.23	.36	.50	.60	.68	.75	.80	-	-
20,000 .....	.12	.16	.25	.35	.42	.47	.51	.54	-	-
60,000 .....	.07	.09	.14	.19	.22	.23	.24	-	-	-
100,000 .....	.05	.07	.11	.14	.15	.15	-	-	-	-

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

Monthly base of percentages (in thousands)	Percentage of monthly level									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	30 or 70	35 or 65	50
50	2.14	3.01	4.69	6.48	7.68	8.61	9.32	9.86	10.27	10.78
100	1.51	2.13	3.32	4.57	5.43	6.09	6.59	6.97	7.28	7.61
500 .....	.68	.95	1.48	2.04	2.43	2.72	2.95	3.12	3.25	3.40
1,000 .....	.48	.67	1.05	1.44	1.72	1.92	2.08	2.21	2.30	2.41
2,000 .....	.34	.48	.74	1.02	1.22	1.36	1.47	1.56	1.62	1.70
4,000 .....	.24	.34	.52	.72	.86	.96	1.04	1.10	1.15	1.20
6,000 .....	.20	.28	.43	.59	.70	.79	.85	.90	.94	.98
10,000 .....	.15	.21	.33	.46	.54	.61	.66	.70	.73	.76
20,000 .....	.11	.15	.23	.32	.38	.43	.47	.49	.51	.54
40,000 .....	.08	.11	.17	.23	.27	.30	.33	.35	.36	.38
60,000 .....	.06	.09	.14	.19	.22	.25	.27	.28	.30	.31
80,000 .....	.05	.08	.12	.16	.19	.22	.23	.25	.26	.27
100,000 .....	.05	.07	.10	.14	.17	.19	.21	.22	.23	.24
160,000 .....	.04	.05	.08	.11	.13	.15	.16	.17	.18	.19

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

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

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

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

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

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

(in thousands)

Estimated quarterly level	Characteristic								
	Total			Men				Women	
	Part-time workers	Total or full-time workers		Part-time workers	Total or full-time workers			Total, full-time, or part-time workers	
		Total or white	Black		Total	White	Black	Total or white	Black
10	5	5	5	5	5	5	5	5	5
50	11	12	12	11	12	12	12	11	11
75	13	15	15	13	15	15	15	13	13
100	15	17	17	15	17	17	17	15	15
150	19	21	21	19	21	21	21	19	19
200	22	24	24	22	24	24	24	22	21
250	24	27	27	24	27	27	27	24	24
300	26	30	30	26	30	30	29	26	26
500	34	38	38	34	38	38	37	34	33
750	42	47	46	42	47	47	45	42	41
1,000	48	54	53	48	54	54	50	48	48
1,500	59	66	63	59	66	66	59	59	56
2,000	68	76	72	68	76	76	65	68	63
2,500	76	85	79	75	84	84	69	75	69
3,000	83	93	85	82	92	92	71	82	74
5,000	107	119	100	105	117	116	64	105	85
7,500	130	145	107	127	140	138	-	127	-
10,000	149	165	102	144	157	155	-	145	-
15,000	180	198	-	167	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	196	-	224	-
40,000	273	266	-	236	201	174	-	242	-
50,000	296	301	-	-	-	-	-	-	-
75,000	331	304	-	-	-	-	-	-	-
100,000	343	255	-	-	-	-	-	-	-

Establishment Data (B and C tables)

COLLECTION

Payroll reports provide current information on wage and salary employment, hours, and earnings in nonagricultural establishments, by industry and geographic location.

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 in households. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded. Employees of the Central Intelligence and National Security Agencies are also excluded.

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

Industry hours and earnings

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

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

Construction workers include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices,

helpers, laborers, etc., engaged in new work, alterations, demolition, repair, maintenance, etc., whether working at the site of construction or working in shops or yards at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

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

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

Gross average hourly and weekly earnings. Average hourly earnings are on a "gross" basis. They reflect not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. They also reflect

shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

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

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

Long-term trends of gross 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.

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 are 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.

Average overtime hours. The overtime hours represent that portion of the gross 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, gross weekly hours and overtime hours do not necessarily move in the same direction from month to month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends

at the industry-group level also may be caused by a marked change in hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

Railroads 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. Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

“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).

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. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-40). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustments is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

Indexes of aggregate weekly payrolls and hours. The indexes of aggregate weekly payrolls and hours are prepared by dividing the current month’s aggregate by the average of the 12 monthly figures for 1977. For basic industries, the hour aggregates are the product of average weekly hours and production-worker or nonsupervisory-worker employment, and the payroll aggregates are the product of hour aggregates and average hourly earnings. At all higher level of industry aggregation, hour and payroll aggregates are the sum of the component aggregates.

Indexes of diffusion of changes in number of employees on nonagricultural payrolls. These indexes measure the percent of industries which posted increases in employ-

ment over the specified time span. The indexes are calculated from 186 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in “Introduction of Diffusion Indexes,” in the December 1974 issue of *Employment and Earnings*.

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, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. Other features of the general procedures are described in table L.

Size and regional stratification

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

Benchmark adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide “benchmarks” for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1982 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by States agencies from reports of establishments covered

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

Item	Basic estimating cell (Industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
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.
Gross 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.
Gross 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.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross 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.
Gross 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
Gross 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 by aggregate payrolls divided by annual aggregate hours.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.

¹ The estimates result from multiplying the product shown by bias adjustment factors to compensate for the underrepresentation of newly formed enterprises in the sample and other bias sources.

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.

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 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 1982 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 current employment statistics program is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percent of total employment is included in the sample. Consequently,

Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1982

Industry division	Benchmark, March 1982	Estimate, March 1982	Percent difference
Total	89,566,000	89,679,000	0.1
Mining	1,205,000	1,178,000	2.2
Construction	3,638,000	3,631,000	.2
Manufacturing	19,213,000	19,207,000	(¹)
Transportation and public utilities	5,070,000	5,049,000	.4
Wholesale and retail trade	20,062,000	20,306,000	-1.2
Finance, insurance, and real estate	5,294,000	5,304,000	-.2
Services	18,888,000	18,828,000	.3
Government	16,196,000	16,176,000	.1

¹ Less than 0.05 percent.

the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to design samples for these industries with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

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

Coverage

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

Reliability of the employment estimates

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

Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1982¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	189,000	36,371,200	41
Mining	2,600	434,500	36
Construction	18,600	721,800	20
Manufacturing	47,700	10,612,300	55
Transportation and public utilities:			
Railroad transportation (ICC)	37	401,800	92
Other transportation and public utilities	8,500	2,840,800	61
Wholesale and retail trade	45,900	3,511,300	18
Finance, insurance, and real estate	13,100	1,967,100	37
Services	31,600	4,150,600	22
Government:			
Federal ²	5,000	2,725,000	100
State and local	16,000	9,006,000	67

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

² National estimates of Federal employment by agency are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 5,000 reports covering about 63 percent of employment in Federal establishments.

response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table O presents the average percent revisions of the five most recent benchmarks for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

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

One measure of the reliability of the employment estimates for individual industries is the root-mean-

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

Industry division	Average benchmark revision in estimates of employment ¹	Relative errors ²	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment	0.4	-	-
Total private .....	.4	0.1	0.2
Mining	1.4	1.0	1.3
Construction	1.9	.2	.5
Manufacturing .....	.3	.1	.2
Durable goods .....	.3	.1	.3
Nondurable goods .....	.4	.1	.2
Transportation and public utilities .....	.4	.7	.6
Trade .....	.8	.1	.3
Wholesale .....	.4	.2	.4
Retail	1.0	.2	.4
Finance, insurance, and real estate .....	.4	.2	.4
Services .....	.6	.4	.6
Government ³ .....	.5	-	-

¹ The average percent revision in employment for the following benchmarks: 1978, 1979, 1980, 1981, and 1982.

² Relative errors relate to 1982 data.

³ Estimates for government are based on a total count for Federal Government and, prior to the March 1979 revision, samples for State and local government benchmarked to a quinquennial census of government conducted by the Bureau of the Census.

square error (RMSE). The measure is the standard deviation adjusted for the bias in estimates:

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

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

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

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 errors 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.

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

STATISTICS FOR STATES AND AREAS

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

For the States and the areas shown in the B and C sections of this periodical, all the annual average data for the detailed industry statistics currently published by

Table Q. Errors of preliminary employment estimates

Category	Root-mean-square error of—	
	Monthly level	Month-to-month change
INDUSTRY DIVISIONS		
Total nonagricultural employment	101,000	88,000
Goods producing	42,000	36,000
Mining	5,000	5,000
Construction	22,000	18,000
Manufacturing	33,000	29,000
Durable two-digit industries	6,300	5,900
Nondurable two-digit industries	4,500	4,500
Service-producing	77,000	72,000
Transportation and public utilities	14,000	15,000
Wholesale and retail trade	31,000	28,000
Finance, insurance, and real estate	8,000	7,000
Services	30,000	24,000
Government	61,000	53,000

NOTE: Division level data are based on differences from January 1977 through December 1982. Two-digit industry data are based on differences from January 1982 through December 1982.

each cooperating State agency are presented in a summary volume published annual by the BLS.

PRODUCTIVITY DATA

Tables C-9, C-10, and C-11 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.

Definitions

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* includes profits, depreciation, interest, and indirect taxes per unit of output. They are computed by subtracting compensation of all persons from the current-dollar gross national product and dividing by output. In these tables, unit nonlabor costs contain all the components of unit nonlabor payments except unit profits. *Unit profits* include corporate profits and inventory valuation adjustments per unit of output.

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

Notes on the data

For the business sector and the nonfarm business sector, these indexes relate to the gross domestic product less household and institutions, owner-occupied hous-

ing, and 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.

State and Area Unemployment Data (D table)

FEDERAL-STATE COOPERATIVE PROGRAM

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

ESTIMATING METHODS

Labor force and unemployment in 10 large States: New York, California, Illinois, Ohio, New Jersey, Pennsylvania, Michigan, Texas, Massachusetts, and Florida; and two areas: Los Angeles-Long Beach metropolitan area and New York city, are sufficiently reliable to be used directly from the CPS. For a description of the CPS concepts see "Household Data," above.

Monthly labor force and unemployment estimates in the remaining 40 States, District of Columbia, and 239 labor market areas are prepared in several stages. Labor force is the sum of the employment and unemployment levels, which are estimated in accordance with the BLS *Manual for Developing Local Area Unemployment Statistics*.

1. *Preliminary estimate—employment:* The total employment estimate is based on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residences as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the several categories of employment on the basis of employment relationships which existed at the time of the 1970 Decennial Census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates, to which are added estimates for employment not covered by UI.

2. *Preliminary estimate—unemployment:* In the current month, the estimate of unemployment is an aggregate of the estimates for each of three building block categories: (1) Persons who were previously employed in

industries covered by State unemployment insurance (UI) laws; (2) those previously employed in industries not covered by these laws; and (3) those who were entering the labor force for the first time or reentering after a period of separation. This is referred to below as the UI-based estimate.

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

The estimate of those previously employed in industries not covered by UI is derived by applying to the employment estimate for each noncovered industry or class of worker subgroup in the State, the ratio of covered unemployment to covered employment weighted by factors reflecting national historical relationships.

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

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

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

3. *Correction factors for employment and unemployment* are then applied at the State level of the UI-based estimates obtained above for each of the 40 States and the District of Columbia. These correction factors are based on the ratio of the CPS to the UI-based estimates for the 6-month period ending in the current month (e.g. a 6-month moving average).

4. *Substate adjustment for additivity.* Independent estimates of employment and unemployment are prepared for the State (obtained directly from the CPS in the 10 large States or by the UI-based method in the remaining States), and labor market areas (LMA's) within the State. The total of the geographic areas in the LMA's exhausts the geographic boundaries of the State. A proportional adjustment is applied to all substate LMA estimates to ensure that the substate estimates of employment and unemployment add to the independent State totals. In California and New York, which also have substate areas taken directly from the CPS, the additivity adjustment for the remaining areas is applied to the State total minus the direct CPS area.

5. *Benchmark correction procedures.* Once each year monthly estimates prepared by the State employment security agencies using UI-based estimating procedures are adjusted, or benchmarked, by BLS to the annual average CPS estimates for the 40 States and the District of Columbia for which monthly CPS estimates are not available. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS annual averages due to differences in the State UI laws, the structural limitations of the UI-based estimating method, and errors in the UI data.

The benchmarked estimates are produced in three stages. First, the monthly UI-based estimates are adjusted by the ratio of the CPS to the UI-based annual averages. Second, the difference between the ratio of annual averages for two consecutive years is wedged into the monthly estimates in order to minimize the disturbance to the original series. Finally, the third stage estimates are forced into agreement with CPS annual averages. In the 10 States which use CPS estimates monthly, no benchmark correction is required, as the average of the 12 monthly State CPS estimates will equal CPS annual averages.

Seasonal Adjustment

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

The seasonal adjustment program used for these series is an adaptation of the standard ratio-to-moving average method. It provides for "moving" adjustment

factors to take account of changing seasonal patterns. A detailed description of the method is given in *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

Beginning in January 1980, BLS introduced two major modifications in the seasonal adjustment methodology for data from the household survey. First, the data are being seasonally adjusted with a new procedure called X-11 ARIMA, which was developed at Statistics Canada as an extension of the existing standard X-11 method. A detailed description of the procedure appears in *The X-11 ARIMA Seasonal Adjustment Method*, by Estela Bee Dagum, Statistics Canada Catalogue NO. 12-564E, February 1980. The X-11 procedure was originally developed at the Bureau of the Census and had been used by the BLS to seasonally adjusted 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 factors are now 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 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 1982, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1983, and a description of the current seasonal adjustment methodology are published in the January 1983 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the 1978-82 revision period for a broad range of labor force series appear in the February 1983 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from BLS upon request.

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 estimates are based on data through March 1983. The ARIMA model options for projecting the data series for 1 year ahead have been used in seasonally adjusting the establishment series, introduced with June 1981 data.

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, 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

Prior to June 1983, seasonal factors for Federal Government employment were derived from unadjusted data which excluded Christmas temporary workers employed by the Postal Service. In earlier years the number of these workers were 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 factors were based. In the past several years, the number of these workers have decreased to the point where their presence has no impact on seasonal adjustment. Beginning with the release of revised seasonal factors in June 1983, Christmas temporary Postal workers are not excluded from the calculation of seasonal factors for Federal Government employees. This change affects the seasonally adjusted Federal Government series from January 1978 forward. Temporary census takers for the 1980 decennial census will continue to be removed prior to the calculation of seasonal factors for Federal Government employment. The revised seasonally adjusted series for the establishment data reflect experience through March 1983. Seasonal factors to be used for current adjustment appear in the June 1983 issue of *Employment and Earnings*.

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