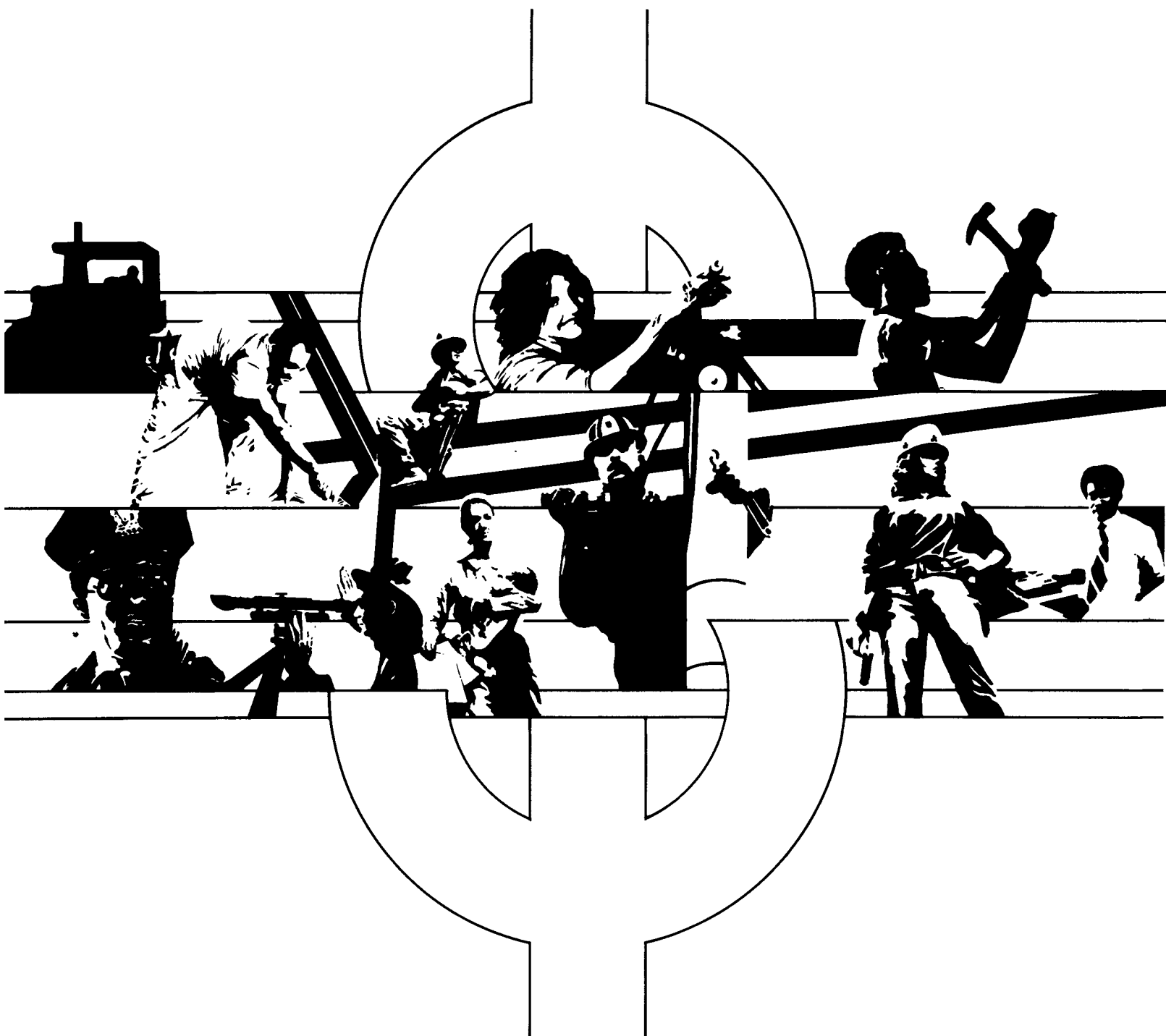


Employment and Earnings

October 1982



U.S. Department of Labor
Bureau of Labor Statistics





U.S. DEPARTMENT OF LABOR
Raymond J. Donovan, Secretary

BUREAU OF LABOR STATISTICS
Janet L. Norwood, Commissioner

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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	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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Women employment detail (final)	Mar.
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Revised historical national data adjusted to new benchmarks	Supplement ²
Revised seasonally adjusted series	June ³
State and area annual averages	May
Area definitions	May

State and area unemployment data

Annual averages	June
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¹ The issue that introduces new benchmark varies. The June 1982 issue introduced March 1981 benchmarks.

² Month of publication of annual supplement varies. The latest supplement was published in June 1982.

³ Issue varies. Latest revised data introduced June 1982.

Employment and Earnings

Vol. 29 No. 10 October 1982

Editors: Gloria P. Green, Gloria P. Goings, Rosalie K. Epstein

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Employment and Unemployment Developments, September 1982

The Nation's unemployment rate rose to 10.1 percent in September, and the number of jobs in nonagricultural establishments declined, after seasonal adjustment. The unemployment rate was 9.8 percent in August. Since the pre-recession peak of July 1981, the overall rate has risen by 2.9 percentage points.

Total employment—as measured by the monthly survey of households—was about unchanged in September at 99.7 million. Nonfarm payroll employment—as measured by the monthly survey of establishments—dropped by 230,000 to 89.0 million. Employment declines continued in the manufacturing sector, and the factory workweek was down four-tenths of an hour.

Unemployment

After seasonal adjustment, unemployment rose by 450,000 in September to 11.3 million, and the overall unemployment rate rose three-tenths of a point to 10.1 percent. Adult men—especially those over 25 years of age—accounted for nearly all of the September increase in unemployment. Their unemployment usually declines at this time of year, but did not do so this September. After seasonal adjustment, the jobless rate for men 20 and over rose to 9.6 percent. Unemployment rates for adult women and teenagers were about unchanged at 8.3 percent and 23.7 percent, respectively. The increase in unemployment was reflected in the jobless rates of both white (9.0 percent) and black (20.2 percent) workers, whereas the incidence of joblessness among Hispanics was unchanged at 14.6 percent. (See tables A-33 and A-35.)

Joblessness among blue-collar workers was up 1.4 points to 15.6 percent, while unemployment among white-collar (4.8 percent) and service workers (10.7 percent) was unchanged over the month. Among the major industry groups, unemployment rates for construction and manufacturing workers rose to 22.6 percent and 13.8 percent, respectively. (See table A-36.)

The number of unemployed persons seeking work for 15 weeks or longer was up in September, with the increase concentrated among those out of work for more than 6 months. Both the mean and median duration of unemployment rose, the mean to 16.6 weeks and the median to 9.5 weeks. (See table A-37.)

In addition to the increase in joblessness in September, there was also a large increase after seasonal adjustment in the number of nonagricultural workers on part-time schedules for economic reasons; their number was up 950,000 over the month to a record 6.6 million. These are workers whose hours were cut back or could only find part-time jobs. (See table A-42.)

The labor force and total employment

The civilian labor force grew by 340,000 in September to 111.0 million, seasonally adjusted. Virtually all of this increase took place among adult men. Adult women, however, have accounted for the largest share of the 2.3 million increase in the labor force over the past year—1.7 million. Over this same period, the number of adult men in the labor force has increased by more than 900,000, while the number of teenagers has dropped by over 300,000. (See table A-33.)

Employment was about unchanged in September at 99.7 million, seasonally adjusted. Since the pre-recession peak in July 1981, total employment has dropped by 1.1 million, with adult men accounting for virtually the entire decline. The proportion of the population employed, at 57.0 percent in September, has declined by 1.5 percentage points over the same period.

Discouraged workers

The number of discouraged workers (persons who report that they want to work but are not looking for jobs because they believe they could not find any) rose for the fifth consecutive quarter, reaching 1.6 million in the third quarter of 1982. All of the third quarter increase (120,000) was among women. Three-fourths of all discouraged workers were not seeking work because of job-market factors. (See table A-53.)

Industry payroll employment

Nonagricultural payroll employment, at 89.0 million in September, was down 230,000 over the month after seasonal adjustment and has fallen by nearly 2.4 million since July 1981. Over-the-month reductions were concentrated in the durable goods manufacturing industries, which lost 80,000 jobs; retail trade, down 45,000; and State and local government, which declined by 90,000. (See table B-4.)

Among the durable goods industries, transportation equipment employment decreased for the second month in a row, dropping by 30,000 in September and 70,000 since August. Machinery also continued to decline, losing an additional 20,000 jobs over the month, while primary and fabricated metals jobs were down by smaller margins. There was little movement among the individual nondurable goods industries. Overall, manufacturing employment was down by 85,000 over the month and has declined by 1.8 million since July 1981. Employment was about unchanged over the month in mining and construction.

Employment in the service-producing sector, which had shown some strength early in the recession, declined by 140,000 in September and was down more than 400,000 from last May. The over-the-month drop was due entirely to the job losses in trade and State and local government. Most of the seasonally adjusted decline in State and local government resulted from the fact that September hiring in schools was less than usual for this time of year, as school systems continued to adjust to smaller enrollments and tighter budgets; a small part of the decline was due to teacher strikes.

Hours of work

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls was 34.8 hours in September, seasonally adjusted, about the level that has generally prevailed since last September. The factory workweek, however, fell 0.4 hour over the month to 38.6 hours, which was below the 1973-75

recession low. Factory overtime was down 0.1 hour to 2.3 hours in September. (See table C-6.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls declined 0.3 percent in September to 103.8 (1977 = 100). The manufacturing index was down 1.4 percent over the month to 85.2 and has fallen more than 12 percent over the past year. (See table C-7.)

Hourly and weekly earnings

Average hourly and weekly earnings both fell 0.1 percent in September, after seasonal adjustment. Before adjustment for seasonality, average hourly earnings were up 7 cents to \$7.76, 36 cents above the year-earlier level. Average weekly earnings, at \$270.05, were down 64 cents over the month but rose by \$10.31 over the year. (See tables C-1 and C-8.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 149.9 (1977 = 100) in September, seasonally adjusted, 0.1 percent higher than in August. For the 12 months ended in September, the increase (before seasonal adjustment) was 6.0 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 0.8 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, 1947 to date

(Numbers in thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Annual averages										
1947.....	103,418	60,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,611	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,708
1950.....	106,645	63,858	59.9	62,208	58,918	7,160	51,758	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093
1953 ¹	110,601	66,560	60.2	63,015	61,179	6,260	54,919	1,834	2.9	44,041
1954.....	111,671	66,993	60.0	63,643	60,109	6,205	53,904	3,532	5.5	44,678
1955.....	112,732	68,072	60.4	65,023	62,170	6,450	55,722	2,852	4.4	44,660
1956.....	113,811	69,409	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960
1960 ¹	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	48,312
1962.....	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,753	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,272	85,959	61.3	82,771	78,678	3,463	75,215	4,093	4.9	54,315
1971.....	143,033	87,198	61.0	84,382	79,367	3,394	75,972	5,016	5.9	55,834
1972 ¹	146,574	89,484	61.1	87,034	82,153	3,484	78,669	4,882	5.6	57,091
1973 ¹	149,423	91,756	61.4	89,429	85,064	3,470	81,594	4,365	4.9	57,667
1974.....	152,349	94,179	61.8	91,949	86,794	3,515	83,279	5,156	5.6	58,171
1975.....	155,333	95,955	61.8	93,775	85,846	3,408	82,438	7,929	8.5	59,377
1976.....	158,294	98,302	62.1	96,158	88,752	3,331	85,421	7,406	7.7	59,991
1977.....	161,166	101,142	62.8	99,009	92,017	3,283	88,734	6,991	7.1	60,025
1978 ¹	164,027	104,368	63.6	102,251	96,048	3,387	92,661	6,202	6.1	59,659
1979.....	166,951	107,050	64.1	104,962	98,824	3,347	95,477	6,137	5.8	59,900
1980.....	169,848	109,042	64.2	106,940	99,303	3,364	95,938	7,637	7.1	60,806
1981.....	172,272	110,812	64.3	108,670	100,397	3,368	97,030	8,273	7.6	61,460
Monthly data, seasonally adjusted ²										
1981:										
September	172,758	110,659	64.1	108,494	100,258	3,358	96,900	8,236	7.6	62,099
October..	172,966	111,170	64.3	109,012	100,343	3,378	96,965	8,669	8.0	61,797
November..	173,155	111,430	64.4	109,272	100,172	3,372	96,800	9,100	8.3	61,724
December..	173,330	111,348	64.2	109,184	99,613	3,209	96,404	9,571	8.8	61,982
1982:										
January..	173,495	111,038	64.0	108,879	99,581	3,411	96,170	9,298	8.5	62,456
February..	173,657	111,333	64.1	109,165	99,590	3,373	96,217	9,575	8.8	62,324
March....	173,843	111,521	64.2	109,346	99,492	3,349	96,144	9,854	9.0	62,321
April....	174,020	111,824	64.3	109,648	99,340	3,309	96,032	10,307	9.4	62,197
May.....	174,201	112,841	64.8	110,666	100,117	3,488	96,629	10,549	9.5	61,360
June.....	174,364	112,364	64.4	110,191	99,764	3,357	96,406	10,427	9.5	61,999
July.....	174,544	112,702	64.6	110,522	99,732	3,460	96,272	10,790	9.8	61,842
August...	174,707	112,840	64.6	110,644	99,839	3,435	96,404	10,805	9.8	61,867
September	174,889	113,178	64.7	110,980	99,720	3,368	96,352	11,260	10.1	61,710

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

² Because seasonality, by definition, does not exist in population figures, data for "total noninstitutional population" are not seasonally adjusted.

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	Total noninsti- tutional popula- tion	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of popula- tion	Total	Employed			Unemployed		
					Total	Agri- culture	Nonagri- cultural Indus- tries	Number	Percent of labor force	
MALES										
Annual averages										
1972 ¹	70,241	55,961	79.7	53,555	50,896	2,849	48,047	2,659	5.0	14,280
1973 ¹	71,567	56,900	79.5	54,624	52,349	2,847	49,502	2,275	4.2	14,667
1974.....	72,971	57,902	79.3	55,739	53,024	2,919	50,105	2,714	4.9	15,069
1975.....	74,383	58,390	78.5	56,299	51,857	2,824	49,032	4,442	7.9	15,993
1976.....	75,798	59,212	78.1	57,174	53,138	2,744	50,394	4,036	7.1	16,585
1977.....	77,211	60,414	78.2	58,396	54,728	2,671	52,057	3,667	6.3	16,797
1978 ¹	78,569	61,613	78.4	59,620	56,479	2,718	53,761	3,142	5.3	16,956
1979.....	79,968	62,676	78.4	60,726	57,607	2,686	54,921	3,120	5.1	17,293
1980.....	81,341	63,396	77.9	61,453	57,186	2,709	54,477	4,267	6.9	17,945
1981.....	82,476	63,939	77.5	61,974	57,397	2,700	54,697	4,577	7.4	18,537
Monthly data, seasonally adjusted²										
1981:										
September..	82,707	63,960	77.3	61,977	57,471	2,687	54,784	4,506	7.3	18,747
October.....	82,807	64,040	77.3	62,064	57,266	2,715	54,551	4,798	7.7	18,767
November....	82,895	64,158	77.4	62,184	57,051	2,668	54,383	5,133	8.3	18,737
December....	82,978	64,283	77.5	62,303	56,725	2,590	54,135	5,578	9.0	18,696
1982:										
January....	83,054	63,941	77.0	61,966	56,629	2,698	53,931	5,338	8.6	19,113
February....	83,129	64,025	77.0	62,042	56,658	2,693	53,965	5,384	8.7	19,104
March.....	83,218	64,069	77.0	62,082	56,472	2,667	53,805	5,610	9.0	19,149
April.....	83,303	64,234	77.1	62,247	56,401	2,661	53,739	5,846	9.4	19,068
May.....	83,389	64,835	77.8	62,849	56,820	2,797	54,023	6,029	9.6	18,553
June.....	83,464	64,270	77.0	62,287	56,223	2,724	53,498	6,065	9.7	19,193
July.....	83,550	64,343	77.0	62,353	56,192	2,796	53,396	6,161	9.9	19,207
August....	83,627	64,464	77.1	62,460	56,210	2,781	53,429	6,250	10.0	19,162
September..	83,712	64,860	77.5	62,852	56,148	2,715	53,433	6,704	10.7	18,853
FEMALES										
Annual averages										
1972 ¹	76,333	33,522	43.9	33,479	31,257	635	30,622	2,222	6.6	42,811
1973 ¹	77,855	34,855	44.8	34,804	32,715	622	32,093	2,089	6.0	43,000
1974.....	79,379	36,278	45.7	36,211	33,769	596	33,173	2,441	6.7	43,101
1975.....	80,949	37,565	46.4	37,475	33,989	584	33,404	3,486	9.3	43,386
1976.....	82,496	39,089	47.4	38,983	35,615	588	35,027	3,369	8.6	43,406
1977.....	83,955	40,728	48.5	40,613	37,289	612	36,677	3,324	8.2	43,227
1978 ¹	85,459	42,755	50.0	42,631	39,569	669	38,900	3,061	7.2	42,703
1979.....	86,983	44,375	51.0	44,235	41,217	661	40,556	3,018	6.8	42,608
1980.....	88,507	45,646	51.6	45,487	42,117	656	41,461	3,370	7.4	42,861
1981.....	89,796	46,873	52.2	46,696	43,000	667	42,333	3,696	7.9	42,922
Monthly data, seasonally adjusted²										
1981:										
September..	90,051	46,699	51.9	46,517	42,787	671	42,116	3,730	8.0	43,352
October.....	90,159	47,129	52.3	46,948	43,077	663	42,414	3,871	8.2	43,030
November....	90,259	47,272	52.4	47,088	43,121	704	42,417	3,967	8.4	42,987
December....	90,352	47,066	52.1	46,881	42,888	619	42,269	3,993	8.5	43,286
1982:										
January....	90,441	47,057	52.1	46,913	42,952	713	42,239	3,960	8.4	43,343
February....	90,528	47,308	52.3	47,123	42,932	680	42,251	4,191	8.9	43,220
March.....	90,625	47,452	52.4	47,264	43,020	682	42,339	4,243	9.0	43,173
April.....	90,718	47,589	52.5	47,401	42,940	647	42,292	4,461	9.4	43,128
May.....	90,813	48,005	52.9	47,817	43,297	691	42,606	4,520	9.5	42,807
June.....	90,900	48,094	52.9	47,904	43,541	633	42,908	4,362	9.1	42,806
July.....	90,995	48,360	53.1	48,169	43,540	664	42,875	4,629	9.6	42,635
August....	91,081	48,377	53.1	48,185	43,630	655	42,975	4,555	9.5	42,704
September..	91,176	48,320	53.0	48,129	43,572	653	42,919	4,556	9.5	42,856

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

² Because seasonality, by definition, does not exist in population figures, data for "total noninstitutional population" are not seasonally adjusted.

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

[Numbers in thousands]

Sex, age, and race	September 1982										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALES											
16 years and over	64,304	76.8	62,296	56,335	5,961	9.6	19,409	393	4,713	1,409	12,894
16 to 21 years	7,835	63.1	7,224	5,630	1,594	22.1	4,578	16	3,860	21	680
16 to 19 years	4,382	54.3	4,147	3,124	1,024	24.7	3,691	12	3,183	12	483
16 to 17 years	1,577	40.6	1,565	1,119	446	28.5	2,305	--	2,124	1	180
18 to 19 years	2,805	66.9	2,582	2,004	577	22.4	1,386	12	1,059	11	304
20 to 64 years	58,047	89.0	56,274	51,414	4,860	8.6	7,181	175	1,527	1,016	4,462
20 to 24 years	9,254	84.9	8,470	7,126	1,344	15.9	1,650	12	1,132	52	455
25 to 54 years	41,522	94.2	40,535	37,362	3,172	7.8	2,573	108	390	546	1,529
25 to 29 years	9,674	94.3	9,277	8,250	1,027	11.1	585	18	232	58	276
30 to 34 years	8,822	95.4	8,556	7,837	719	8.4	429	18	91	74	246
35 to 39 years	7,379	95.9	7,181	6,672	509	7.1	319	22	40	64	193
40 to 44 years	5,818	94.8	5,729	5,375	354	6.2	320	19	15	80	206
45 to 49 years	5,003	93.3	4,974	4,707	267	5.4	360	15	3	111	231
50 to 54 years	4,825	89.6	4,817	4,522	296	6.1	562	16	9	160	376
55 to 64 years	7,271	71.1	7,270	6,925	345	4.7	2,956	54	5	418	2,479
55 to 59 years	4,469	83.0	4,467	4,246	222	5.0	917	30	5	168	714
60 to 64 years	2,803	57.9	2,802	2,680	123	4.4	2,040	24	1	250	1,765
65 years and over	1,875	18.0	1,875	1,798	77	4.1	8,537	206	3	381	7,948
65 to 69 years	1,051	26.8	1,051	1,005	46	4.4	2,873	50	--	99	2,724
70 years and over	824	12.7	824	793	31	3.7	5,665	156	3	282	5,223
White											
16 years and over	56,507	77.6	54,964	50,354	4,610	8.4	16,343	315	3,684	1,111	11,233
16 to 21 years	6,751	65.4	6,279	5,063	1,216	19.4	3,572	11	3,061	18	481
16 to 19 years	3,836	57.3	3,649	2,861	788	21.6	2,856	8	2,498	10	341
16 to 17 years	1,433	44.7	1,424	1,047	377	26.5	1,770	--	1,648	1	122
18 to 19 years	2,403	68.9	2,226	1,814	411	18.5	1,087	9	850	8	219
20 to 64 years	50,961	89.8	49,605	45,849	3,755	7.6	5,768	127	1,185	794	3,663
20 to 24 years	7,889	86.1	7,306	6,292	1,013	13.9	1,271	10	902	39	320
25 to 54 years	36,468	95.0	35,695	33,243	2,452	6.9	1,913	74	282	407	1,150
25 to 29 years	16,066	95.7	15,564	14,250	1,314	8.4	726	29	247	94	356
30 to 34 years	11,649	96.2	11,410	10,730	680	6.0	460	26	26	115	294
35 to 44 years	8,753	92.3	8,721	8,262	458	5.3	726	20	8	198	500
55 to 64 years	6,605	71.9	6,603	6,314	289	4.4	2,586	42	1	349	2,193
55 to 59 years	4,045	83.9	4,048	3,861	187	4.6	776	23	--	138	615
60 to 64 years	2,556	58.5	2,555	2,453	102	4.0	1,809	19	1	211	1,578
65 years and over	1,710	18.1	1,710	1,644	67	3.9	7,718	180	2	307	7,229
Black and other											
16 years and over	7,797	71.8	7,332	5,981	1,351	18.4	3,066	78	1,029	298	1,661
16 to 21 years	1,084	51.9	945	566	378	40.0	1,006	5	799	3	199
16 to 19 years	546	39.6	498	262	235	47.3	834	4	685	2	142
16 to 17 years	144	21.2	142	73	69	48.9	535	1	476	--	57
18 to 19 years	402	57.3	356	190	166	46.6	299	3	209	2	85
20 to 64 years	7,086	83.4	6,669	5,565	1,105	16.6	1,411	48	342	222	799
20 to 24 years	1,365	78.3	1,164	834	330	28.4	379	2	229	14	135
25 to 54 years	5,055	88.4	4,840	4,119	719	14.9	662	34	109	139	379
25 to 29 years	2,431	89.4	2,269	1,837	432	19.0	288	7	76	38	167
30 to 34 years	1,548	89.7	1,500	1,317	184	12.2	178	15	30	29	105
35 to 44 years	1,076	84.6	1,070	966	104	9.8	195	12	4	72	108
55 to 64 years	666	64.3	666	611	55	8.3	371	12	4	69	286
55 to 59 years	419	74.9	419	385	35	8.3	140	7	4	30	99
60 to 64 years	247	51.7	247	226	21	8.3	230	5	--	39	187
65 years and over	165	16.7	165	154	10	6.3	820	26	1	74	719

HOUSEHOLD DATA

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

[Numbers in thousands]

Sex, age, and race	September 1982										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALES											
16 years and over	48,440	53.1	48,250	43,516	4,734	9.8	42,736	30,915	4,620	1,015	6,186
16 to 21 years	6,852	56.5	6,788	5,445	1,342	19.8	5,270	1,062	3,787	14	408
16 to 19 years	3,965	50.5	3,942	3,029	913	23.2	3,892	467	3,124	10	291
16 to 17 years	1,504	39.9	1,503	1,155	348	23.2	2,261	83	2,090	--	87
18 to 19 years	2,461	60.1	2,439	1,874	565	23.2	1,631	384	1,034	10	203
20 to 64 years	43,235	63.4	43,067	39,285	3,782	8.8	24,994	20,532	1,496	442	2,525
20 to 24 years	7,585	70.3	7,493	6,487	1,005	13.4	3,211	1,901	961	23	326
25 to 54 years	30,646	67.0	30,570	28,039	2,532	8.3	15,076	13,189	517	206	1,164
25 to 29 years	7,286	70.1	7,237	6,472	765	10.6	3,102	2,633	229	16	225
30 to 34 years	6,370	67.4	6,352	5,725	627	9.9	3,083	2,716	138	34	195
35 to 39 years	5,418	68.2	5,413	4,985	429	7.9	2,528	2,276	73	23	156
40 to 44 years	4,438	69.2	4,436	4,141	296	6.7	1,971	1,760	30	22	159
45 to 49 years	3,722	65.5	3,721	3,513	209	5.6	1,959	1,708	28	46	176
50 to 54 years	3,411	58.4	3,411	3,204	206	6.0	2,433	2,096	20	65	253
55 to 64 years	5,004	42.7	5,004	4,759	245	4.9	6,708	5,441	19	213	1,035
55 to 59 years	3,063	50.6	3,063	2,901	161	5.3	2,988	2,503	18	107	359
60 to 64 years	1,941	34.3	1,941	1,858	83	4.3	3,720	2,938	--	106	676
65 years and over	1,241	8.2	1,241	1,202	39	3.1	13,850	9,916	--	563	3,370
65 to 69 years	757	15.4	757	732	25	3.3	4,151	3,181	--	95	876
70 years and over	483	4.7	483	470	14	2.9	9,698	6,736	--	469	2,494
White											
16 years and over	41,517	52.9	41,382	37,821	3,561	8.6	36,963	27,361	3,555	814	5,233
16 to 21 years	5,999	59.6	5,954	4,956	998	16.8	4,064	829	2,937	12	287
16 to 19 years	3,094	53.8	3,478	2,786	692	19.9	2,999	364	2,429	7	199
16 to 17 years	1,329	42.8	1,329	1,059	270	20.3	1,776	67	1,641	1	66
18 to 19 years	2,165	63.9	2,149	1,727	422	19.6	1,223	296	788	7	133
20 to 64 years	36,905	63.2	36,786	33,951	2,834	7.7	21,464	17,937	1,126	348	2,052
20 to 24 years	6,476	72.0	6,412	5,697	715	11.2	2,521	1,535	733	20	232
25 to 54 years	26,020	66.8	25,966	24,058	1,908	7.3	12,924	11,451	378	157	938
25 to 34 years	11,444	68.7	11,396	10,379	1,018	8.9	5,217	4,588	265	41	323
35 to 44 years	8,405	68.4	8,400	7,840	560	6.7	3,876	3,505	74	31	266
45 to 54 years	6,171	61.7	6,170	5,840	330	5.4	3,831	3,358	39	86	349
55 to 64 years	4,408	42.3	4,408	4,196	212	4.8	6,020	4,952	14	171	882
55 to 59 years	2,680	50.1	2,680	2,541	139	5.2	2,671	2,272	14	78	308
60 to 64 years	1,729	34.0	1,728	1,655	73	4.2	3,348	2,680	--	94	575
65 years and over	1,118	8.2	1,118	1,084	35	3.1	12,500	9,060	--	459	2,982
Black and other											
16 years and over	6,923	54.5	6,868	5,695	1,172	17.1	5,773	3,554	1,065	200	953
16 to 21 years	853	41.4	833	489	344	41.3	1,206	233	850	2	121
16 to 19 years	471	34.5	464	243	221	47.6	893	103	695	3	92
16 to 17 years	174	26.4	174	96	78	44.7	485	16	449	--	21
18 to 19 years	256	42.1	290	147	143	49.4	407	88	246	3	71
20 to 64 years	6,331	64.2	6,282	5,334	947	15.1	3,530	2,594	370	93	473
20 to 24 years	1,109	61.7	1,081	791	290	26.9	690	366	228	3	94
25 to 54 years	4,625	68.2	4,604	3,980	624	13.6	2,153	1,739	139	49	227
25 to 34 years	2,212	69.6	2,193	1,818	375	17.1	968	760	102	9	96
35 to 44 years	1,451	70.0	1,450	1,286	164	11.3	623	531	28	14	50
45 to 54 years	962	63.2	962	877	85	8.8	561	447	9	25	81
55 to 64 years	596	46.4	596	563	33	5.5	688	489	4	42	153
55 to 59 years	383	54.8	383	361	22	5.9	316	231	4	29	51
60 to 64 years	213	36.4	213	202	10	4.8	372	258	--	12	101
65 years and over	122	8.3	122	118	4	3.6	1,350	857	--	105	388

HOUSEHOLD DATA

A-4. Labor force by sex, age, and race

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982
MALES								
16 years and over	63,627	64,304	76.9	76.8	61,643	62,296	76.4	76.2
16 to 19 years	4,695	4,382	56.4	54.3	4,425	4,147	54.9	52.9
16 to 17 years	1,806	1,577	44.3	40.6	1,787	1,565	44.1	40.5
18 to 19 years	2,889	2,805	68.0	66.9	2,638	2,582	66.0	65.1
20 to 24 years	9,321	9,254	85.6	84.9	8,559	8,470	84.5	83.7
25 to 54 years	40,623	41,522	94.2	94.2	39,673	40,535	94.1	94.0
25 to 34 years	18,219	18,497	95.0	94.8	17,578	17,833	94.9	94.6
35 to 44 years	12,551	13,197	95.6	95.4	12,279	12,910	95.5	95.3
45 to 54 years	9,852	9,828	91.1	91.4	9,816	9,791	91.1	91.4
55 to 64 years	7,131	7,271	70.1	71.1	7,129	7,270	70.1	71.1
55 to 59 years	4,367	4,469	80.6	83.0	4,366	4,467	80.6	83.0
60 to 64 years	2,763	2,803	58.2	57.9	2,763	2,802	58.2	57.9
65 years and over	1,858	1,875	18.2	18.0	1,858	1,875	18.2	18.0
White								
16 years and over	56,175	56,507	77.7	77.6	54,647	54,964	77.3	77.1
16 to 19 years	4,181	3,836	60.1	57.3	3,968	3,649	58.9	56.1
16 to 17 years	1,648	1,433	48.6	44.7	1,631	1,424	48.4	44.6
18 to 19 years	2,533	2,403	71.1	68.9	2,337	2,226	69.4	67.2
20 to 24 years	7,983	7,889	86.5	86.1	7,420	7,306	85.6	85.2
25 to 54 years	35,813	36,468	95.0	95.0	35,063	35,695	95.0	94.9
25 to 34 years	15,923	16,066	96.0	95.7	15,430	15,564	95.9	95.5
35 to 44 years	11,052	11,649	96.1	96.2	10,826	11,410	96.0	96.1
45 to 54 years	8,838	8,753	92.1	92.3	8,807	8,721	92.0	92.3
55 to 64 years	6,492	6,605	71.0	71.9	6,491	6,603	71.0	71.9
55 to 59 years	3,956	4,049	81.5	83.9	3,954	4,048	81.5	83.9
60 to 64 years	2,537	2,556	59.1	58.5	2,537	2,555	59.1	58.5
65 years and over	1,706	1,710	18.4	18.1	1,706	1,710	18.4	18.1
Black and other								
16 years and over	7,451	7,797	71.3	71.8	6,996	7,332	70.0	70.5
16 to 19 years	514	546	37.5	39.6	456	498	34.7	37.4
16 to 17 years	158	144	23.1	21.2	156	142	22.8	21.0
18 to 19 years	356	402	52.0	57.3	301	356	47.8	54.3
20 to 24 years	1,338	1,365	80.6	78.3	1,139	1,164	78.0	75.4
25 to 54 years	4,808	5,055	88.4	88.4	4,611	4,840	88.0	88.0
25 to 34 years	2,296	2,431	88.7	89.4	2,148	2,269	88.0	88.7
35 to 44 years	1,499	1,548	91.8	89.7	1,453	1,500	91.6	89.4
45 to 54 years	1,014	1,076	83.4	84.6	1,009	1,070	83.3	84.6
55 to 64 years	638	666	62.4	64.3	638	666	62.4	64.3
55 to 59 years	412	419	72.6	74.9	412	419	72.6	74.9
60 to 64 years	227	247	49.8	51.7	227	247	49.8	51.7
65 years and over	152	165	15.8	16.7	152	165	15.8	16.7

HOUSEHOLD DATA

A-4. Labor force by sex, age, and race—Continued

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982
FEMALES								
16 years and over	46,811	48,440	52.0	53.1	46,629	48,250	51.9	53.0
16 to 19 years	4,036	3,965	49.8	50.5	4,008	3,942	49.6	50.3
16 to 17 years	1,562	1,504	39.5	39.9	1,561	1,503	39.5	39.9
18 to 19 years	2,474	2,461	59.6	60.1	2,447	2,439	59.4	59.9
20 to 24 years	7,520	7,585	69.6	70.3	7,432	7,493	69.3	70.0
25 to 54 years	29,291	30,646	65.4	67.0	29,225	30,570	65.4	67.0
25 to 34 years	13,092	13,656	67.1	68.8	13,033	13,589	67.0	68.7
35 to 44 years	9,211	9,856	67.5	68.7	9,206	9,850	67.5	68.6
45 to 54 years	6,987	7,133	60.2	61.9	6,986	7,132	60.2	61.9
55 to 64 years	4,785	5,004	41.2	42.7	4,785	5,004	41.2	42.7
55 to 59 years	3,025	3,063	49.7	50.6	3,025	3,063	49.7	50.6
60 to 64 years	1,760	1,941	31.8	34.3	1,760	1,941	31.8	34.3
65 years and over	1,179	1,241	8.0	8.2	1,179	1,241	8.0	8.2
White								
16 years and over	40,201	41,517	51.7	52.9	40,069	41,382	51.6	52.8
16 to 19 years	3,608	3,494	53.5	53.8	3,588	3,478	53.4	53.7
16 to 17 years	1,415	1,329	43.3	42.8	1,414	1,329	43.3	42.8
18 to 19 years	2,193	2,165	63.2	63.9	2,175	2,149	63.0	63.7
20 to 24 years	6,445	6,476	71.1	72.0	6,382	6,412	70.9	71.8
25 to 54 years	24,927	26,020	65.1	66.8	24,878	25,966	65.1	66.8
25 to 34 years	11,002	11,444	66.8	68.7	10,959	11,396	66.7	68.6
35 to 44 years	7,852	8,405	67.1	68.4	7,848	8,400	67.1	68.4
45 to 54 years	6,072	6,171	60.1	61.7	6,071	6,170	60.1	61.7
55 to 64 years	4,165	4,408	40.2	42.3	4,165	4,408	40.2	42.3
55 to 59 years	2,642	2,680	49.0	50.1	2,642	2,680	49.0	50.1
60 to 64 years	1,523	1,729	30.7	34.0	1,523	1,728	30.7	34.0
65 years and over	1,056	1,118	7.9	8.2	1,056	1,118	7.9	8.2
Black and other								
16 years and over	6,610	6,923	53.8	54.5	6,560	6,868	53.6	54.3
16 to 19 years	428	471	31.3	34.5	420	464	30.9	34.2
16 to 17 years	148	174	21.5	26.4	147	174	21.4	26.4
18 to 19 years	280	296	41.3	42.1	273	290	40.6	41.6
20 to 24 years	1,076	1,109	61.7	61.7	1,050	1,081	61.1	61.0
25 to 54 years	4,364	4,625	67.4	68.2	4,347	4,604	67.3	68.1
25 to 34 years	2,090	2,212	68.8	69.6	2,074	2,193	68.6	69.4
35 to 44 years	1,359	1,451	70.0	70.0	1,358	1,450	70.0	69.9
45 to 54 years	916	962	61.0	63.2	915	962	61.0	63.2
55 to 64 years	620	596	48.6	46.4	620	596	48.6	46.4
55 to 59 years	383	383	54.7	54.8	383	383	54.7	54.8
60 to 64 years	237	213	41.3	36.4	237	213	41.3	36.4
65 years and over	123	122	8.7	8.3	123	122	8.7	8.3

A-5. Employment status of black workers by sex and age

[Numbers in thousands]

Sex and age	September 1982						
	Civilian labor force						Not in labor force
	Total	Employed			Unemployed		
		Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
TOTAL							
16 years and over	11,433	9,199	165	9,034	2,235	19.5	7,225
16 to 19 years	790	382	21	361	408	51.6	1,453
16 to 17 years	253	127	4	123	126	49.8	854
18 to 19 years	537	255	17	238	282	52.5	599
20 to 24 years	1,879	1,308	20	1,289	571	30.4	828
25 to 54 years	7,468	6,297	80	6,218	1,170	15.7	2,177
25 to 34 years	3,528	2,822	33	2,788	707	20.0	934
35 to 44 years	2,303	2,004	22	1,983	298	13.0	615
45 to 54 years	1,637	1,472	25	1,446	166	10.1	628
55 to 64 years	1,050	979	24	955	71	6.8	888
55 to 59 years	667	620	12	608	48	7.1	373
60 to 64 years	383	359	12	347	24	6.2	515
65 years and over	246	231	19	212	14	5.7	1,879
Males							
16 years and over	5,800	4,612	144	4,468	1,189	20.5	2,516
16 to 19 years	411	195	16	179	216	52.6	684
16 to 17 years	109	48	4	44	61	56.0	441
18 to 19 years	302	147	12	135	155	51.3	242
20 to 24 years	968	672	18	656	296	30.6	263
25 to 54 years	3,751	3,133	70	3,065	616	16.4	541
25 to 34 years	1,771	1,400	32	1,366	373	21.1	221
35 to 44 years	1,148	993	17	976	154	13.4	148
45 to 54 years	832	742	20	721	90	10.8	171
55 to 64 years	533	484	21	463	49	9.2	315
55 to 59 years	340	309	11	298	32	9.4	116
60 to 64 years	193	176	10	166	18	9.3	199
65 years and over	136	124	18	106	11	8.1	714
Females							
16 years and over	5,633	4,587	21	4,566	1,046	18.6	4,709
16 to 19 years	379	187	5	182	192	50.6	769
16 to 17 years	144	79	--	79	65	45.2	413
18 to 19 years	235	108	5	103	127	53.9	357
20 to 24 years	911	636	2	633	275	30.2	565
25 to 54 years	3,717	3,164	10	3,153	554	14.9	1,636
25 to 34 years	1,757	1,422	1	1,422	334	19.0	713
35 to 44 years	1,155	1,011	5	1,007	144	12.5	467
45 to 54 years	805	730	5	725	76	9.4	457
55 to 64 years	517	495	3	492	22	4.3	573
55 to 59 years	327	311	1	310	16	4.8	257
60 to 64 years	190	183	2	181	6	3.3	316
65 years and over	110	107	1	106	3	3.1	1,165

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

[Numbers in thousands]

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982
TOTAL								
Total noninstitutional population	172,758	174,889	74,382	75,640	81,946	83,320	16,429	15,929
Total labor force	110,437	112,744	58,932	59,922	42,775	44,476	8,731	8,347
Percent of population	63.9	64.5	79.2	79.2	52.2	53.4	53.1	52.4
Civilian labor force	108,273	110,546	57,219	58,149	42,621	44,308	8,433	8,089
Employed	100,389	99,851	54,074	53,212	39,557	40,487	6,758	6,152
Agriculture	3,609	3,612	2,515	2,579	693	663	401	370
Nonagricultural industries	96,780	96,239	51,558	50,633	38,864	39,824	6,357	5,782
Unemployed	7,884	10,695	3,145	4,937	3,064	3,821	1,675	1,937
Percent of labor force	7.3	9.7	5.5	8.5	7.2	8.6	19.9	23.9
Not in labor force	62,320	62,144	15,451	15,718	39,171	38,844	7,699	7,582
White								
Total noninstitutional population	150,030	151,330	65,304	66,157	71,034	71,987	13,692	13,185
Total labor force	96,376	98,024	51,995	52,671	36,592	38,023	7,789	7,330
Percent of population	64.2	64.8	79.6	79.6	51.5	52.8	56.9	55.6
Civilian labor force	94,717	96,346	50,679	51,315	36,481	37,904	7,557	7,127
Employed	88,778	88,175	48,291	47,493	34,258	35,035	6,228	5,647
Agriculture	3,368	3,385	2,327	2,402	651	635	390	348
Nonagricultural industries	85,410	84,790	45,964	45,091	33,607	34,400	5,838	5,298
Unemployed	5,939	8,171	2,387	3,822	2,223	2,869	1,329	1,480
Percent of labor force	6.3	8.5	4.7	7.4	6.1	7.6	17.6	20.8
Not in labor force	53,654	53,306	13,309	13,486	34,442	33,964	5,903	5,855
Black and other								
Total noninstitutional population	22,728	23,559	9,079	9,482	10,912	11,332	2,737	2,744
Total labor force	14,062	14,720	6,937	7,251	6,183	6,453	942	1,017
Percent of population	61.9	62.5	76.4	76.5	56.7	56.9	34.4	37.1
Civilian labor force	13,556	14,200	6,540	6,834	6,140	6,404	876	962
Employed	11,611	11,676	5,782	5,719	5,299	5,452	530	505
Agriculture	241	227	188	177	42	28	11	22
Nonagricultural industries	11,370	11,450	5,594	5,542	5,257	5,424	519	484
Unemployed	1,945	2,523	758	1,115	841	951	346	456
Percent of labor force	14.3	17.8	11.6	16.3	13.7	14.9	39.5	47.5
Not in labor force	8,666	8,838	2,142	2,231	4,729	4,880	1,795	1,727

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A-7. Employment status of the noninstitutional population 16 to 21 years of age by major activity, sex, and race

(Numbers in thousands)

Employment status and major activity	September 1982								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
TOTAL									
Total noninstitutional population	24,535	12,413	12,122	20,386	10,323	10,063	4,149	2,091	2,059
Total labor force	14,687	7,835	6,852	12,750	6,751	5,999	1,937	1,084	853
Percent of population	59.9	63.1	56.5	62.5	65.4	59.6	46.7	51.9	41.4
Civilian labor force	14,011	7,224	6,788	12,233	6,279	5,954	1,778	945	833
Employed	11,075	5,630	5,445	10,019	5,063	4,956	1,056	566	489
Agriculture	582	475	108	544	445	100	38	30	8
Nonagricultural industries	10,493	5,155	5,338	9,475	4,618	4,856	1,018	536	482
Unemployed	2,936	1,594	1,342	2,214	1,216	998	722	378	344
Looking for full-time work	1,861	1,050	811	1,342	755	586	519	294	225
Looking for part-time work	1,076	544	531	872	460	412	203	84	120
Percent of labor force	21.0	22.1	19.8	18.1	19.4	16.8	40.6	40.0	41.3
Not in labor force	9,848	4,578	5,270	7,636	3,572	4,064	2,212	1,006	1,206
Major activity: going to school									
Civilian labor force	4,152	2,100	2,052	3,715	1,888	1,827	437	212	225
Employed	3,118	1,540	1,578	2,891	1,431	1,460	227	109	118
Agriculture	188	147	41	176	140	37	12	7	5
Nonagricultural industries	2,929	1,393	1,536	2,715	1,292	1,423	214	101	113
Unemployed	1,034	560	474	824	457	367	211	103	107
Looking for full-time work	106	53	53	60	32	28	46	21	25
Looking for part-time work	928	507	422	764	424	339	165	82	83
Percent of labor force	24.9	26.7	23.1	22.2	24.2	20.1	48.2	48.7	47.7
Not in labor force	7,647	3,860	3,787	5,998	3,061	2,937	1,649	799	850
Major activity: other									
Civilian labor force	9,859	5,124	4,736	8,518	4,391	4,127	1,341	733	609
Employed	7,957	4,089	3,868	7,128	3,632	3,496	829	458	372
Agriculture	394	328	66	368	305	63	26	23	3
Nonagricultural industries	7,563	3,762	3,801	6,760	3,327	3,433	803	435	369
Unemployed	1,902	1,034	868	1,390	759	631	512	275	237
Looking for full-time work	1,755	996	758	1,282	723	558	473	273	200
Looking for part-time work	147	38	110	109	36	73	39	2	37
Percent of labor force	19.3	20.2	18.3	16.3	17.3	15.3	38.2	37.5	38.9
Not in labor force	2,201	717	1,483	1,638	510	1,127	563	207	356

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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 1982								
	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									
Both sexes, 16 years and over.....	94,280	79,195	6,267	8,818	9.4	16,266	14,389	1,877	11.5
16 to 21 years.....	8,523	5,445	1,218	1,861	21.8	5,488	4,413	1,076	19.6
16 to 19 years.....	3,869	2,123	684	1,062	27.5	4,220	3,346	874	20.7
16 to 17 years.....	581	204	132	245	42.2	2,487	1,938	549	22.1
18 to 19 years.....	3,288	1,919	552	817	24.9	1,733	1,408	325	18.8
20 years and over.....	90,411	77,073	5,583	7,756	8.6	12,046	11,044	1,002	8.3
20 to 24 years.....	13,590	10,281	1,299	2,010	14.8	2,373	2,033	339	14.3
25 years and over.....	76,822	66,791	4,284	5,747	7.5	9,672	9,009	663	6.9
25 to 54 years.....	64,545	55,803	3,537	5,205	8.1	6,560	6,061	499	7.6
55 years and over.....	12,277	10,988	747	542	4.4	3,112	2,948	163	5.2
Males, 16 years and over.....	57,138	48,900	3,044	5,195	9.1	5,158	4,392	766	14.9
16 to 21 years.....	4,660	3,012	598	1,050	22.5	2,563	2,019	544	21.2
16 to 19 years.....	2,124	1,236	319	569	26.8	2,023	1,569	454	22.5
16 to 17 years.....	55,014	47,664	2,725	4,626	8.4	3,135	2,823	312	9.9
20 years and over.....	7,514	5,621	690	1,203	16.0	955	815	141	14.7
20 to 24 years.....	47,500	42,043	2,035	3,423	7.2	2,180	2,009	171	7.8
25 years and over.....	39,639	34,901	1,658	3,081	7.8	895	804	91	10.2
25 to 54 years.....	7,860	7,142	377	342	4.4	1,285	1,205	80	6.2
55 years and over.....									
Females, 16 years and over.....	37,142	30,296	3,223	3,623	9.8	11,108	9,997	1,111	10.0
16 to 21 years.....	3,863	2,432	619	811	21.0	2,925	2,394	531	18.2
16 to 19 years.....	1,745	887	365	493	28.3	2,197	1,777	420	19.1
16 to 17 years.....	35,397	29,409	2,858	3,130	8.8	8,911	8,220	691	7.8
20 years and over.....	6,075	4,660	609	806	13.3	1,417	1,218	199	14.0
20 to 24 years.....	29,322	24,748	2,249	2,324	7.9	7,493	7,002	492	6.6
25 years and over.....	24,905	20,902	1,879	2,124	8.5	5,665	5,257	408	7.2
25 to 54 years.....	4,417	3,846	370	200	4.5	1,828	1,744	84	4.6
55 years and over.....									
White									
Males, 16 years and over.....	50,348	43,864	2,503	3,981	7.9	4,616	3,987	629	13.6
16 to 21 years.....	3,963	2,707	501	755	19.1	2,316	1,856	460	19.9
16 to 19 years.....	1,836	1,147	286	403	21.9	1,813	1,428	385	21.3
16 to 17 years.....	48,512	42,717	2,217	3,578	7.4	2,803	2,559	243	8.7
20 years and over.....	6,440	4,987	556	898	13.9	866	750	116	13.4
20 to 24 years.....	42,072	37,730	1,661	2,680	6.4	1,936	1,809	128	6.6
25 years and over.....	34,922	31,188	1,345	2,389	6.8	773	710	63	8.2
25 to 54 years.....	7,150	6,542	316	292	4.1	1,163	1,099	65	5.6
55 years and over.....									
Females, 16 years and over.....	31,264	25,998	2,628	2,659	8.5	10,098	9,195	903	8.9
16 to 21 years.....	3,347	2,201	560	586	17.5	2,607	2,196	412	15.8
16 to 19 years.....	1,517	826	331	360	23.7	1,961	1,629	332	16.9
16 to 17 years.....	25,767	25,172	2,297	2,299	7.7	8,137	7,566	571	7.0
20 years and over.....	5,168	4,105	492	571	11.0	1,244	1,099	144	11.6
20 to 24 years.....	24,599	21,066	1,805	1,729	7.0	6,893	6,467	426	6.2
25 years and over.....	20,725	17,656	1,508	1,561	7.5	5,241	4,894	347	6.6
25 to 54 years.....	3,874	3,410	297	168	4.3	1,652	1,573	79	4.8
55 years and over.....									
Black and other									
Males, 16 years and over.....	6,790	5,036	541	1,213	17.9	542	405	137	25.3
16 to 21 years.....	697	306	97	294	42.2	248	164	84	33.9
16 to 19 years.....	288	89	33	166	57.7	210	141	69	32.9
16 to 17 years.....	6,502	4,947	508	1,047	16.1	332	264	68	20.6
20 years and over.....	1,074	635	134	305	28.4	90	65	25	27.6
20 to 24 years.....	5,428	4,313	374	741	13.7	242	199	43	17.8
25 years and over.....	4,718	3,713	313	691	14.6	122	94	28	23.0
25 to 54 years.....	710	600	61	50	7.0	120	105	15	12.5
55 years and over.....									
Females, 16 years and over.....	5,858	4,298	595	964	16.5	1,010	802	208	20.6
16 to 21 years.....	516	231	60	225	43.5	317	198	120	37.6
16 to 19 years.....	228	61	34	133	58.4	236	148	88	37.2
16 to 17 years.....	5,630	4,237	561	831	14.8	774	654	120	15.5
20 years and over.....	908	555	117	236	26.0	174	119	55	31.5
20 to 24 years.....	4,723	3,682	445	596	12.6	600	535	65	10.8
25 years and over.....	4,180	3,246	371	563	13.5	424	363	61	14.4
25 to 54 years.....	543	436	74	33	6.1	176	171	4	2.3
55 years and over.....									

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

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

[Numbers in thousands]

Family relationship	September 1982									
	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	110,546	64.0	99,851	10,695	9.7	62,144	31,308	9,333	2,423	19,080
Husbands	40,049	80.2	37,639	2,410	6.0	9,898	176	201	799	8,722
With employed wife	22,170	92.0	20,955	1,214	5.5	1,929	61	109	263	1,496
With unemployed wife	1,807	93.5	1,499	308	17.0	125	5	5	22	93
With wife not in labor force	16,072	67.2	15,184	888	5.5	7,845	111	87	514	7,132
Wives	26,030	52.1	24,099	1,932	7.4	23,917	21,066	356	261	2,232
With employed husband	22,454	59.7	20,955	1,499	6.7	15,184	13,936	289	74	885
With unemployed husband	1,523	63.2	1,214	308	20.2	888	812	20	4	52
With husband not in labor force	2,053	20.7	1,929	125	6.1	7,845	6,319	47	183	1,296
Relatives in married-couple families	13,540	60.8	11,021	2,519	18.6	8,731	820	6,025	297	1,590
16 to 19 years	5,411	51.1	4,219	1,192	22.0	5,172	113	4,591	13	454
20 to 24 years	5,290	74.7	4,361	929	17.6	1,788	109	1,313	47	320
25 years and over	2,839	61.6	2,441	398	14.0	1,771	598	121	237	816
Females who maintain families	5,836	61.1	5,129	706	12.1	3,711	2,769	122	103	717
Relatives in families maintained by females	4,801	57.0	3,606	1,196	24.9	3,615	790	1,569	244	1,011
16 to 19 years	1,306	46.0	856	450	34.4	1,531	74	1,245	6	207
20 to 24 years	1,569	73.9	1,155	414	26.4	555	119	268	15	153
25 years and over	1,926	55.7	1,595	332	17.2	1,529	597	56	223	651
Males who maintain families	1,795	74.9	1,647	148	8.2	601	18	31	76	476
Relatives in families maintained by males	1,516	60.6	1,190	326	21.5	986	363	308	67	248
16 to 19 years	291	51.0	192	99	34.2	279	5	228	1	45
20 to 24 years	412	74.3	329	83	20.1	143	36	64	3	40
25 years and over	813	59.1	669	144	17.7	564	322	16	63	163
Persons living alone	10,434	53.9	9,719	714	6.8	8,907	4,760	217	481	3,450
Males	5,443	71.6	4,979	464	8.5	2,157	134	127	198	1,698
Females	4,990	42.5	4,740	250	5.0	6,750	4,626	89	283	1,752
All others ¹	6,545	78.6	5,801	744	11.4	1,778	546	504	95	634

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.

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

Marital status, race, and age	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982
	Total, 16 years and over	3,988	5,961	6.5	9.6	3,896	4,734	8.4	9.8
Married, spouse present	1,508	2,546	3.7	6.2	1,582	2,036	6.2	7.7
Widowed, divorced, or separated	422	677	7.8	12.1	794	912	8.7	9.8
Single (never married)	2,057	2,737	13.3	17.4	1,520	1,786	12.7	14.4
White, 16 years and over	3,066	4,610	5.6	8.4	2,873	3,561	7.2	8.6
Married, spouse present	1,231	2,122	3.3	5.7	1,287	1,682	5.7	7.1
Widowed, divorced, or separated	285	484	6.5	10.6	583	676	8.0	9.0
Single (never married)	1,550	2,004	11.7	15.0	1,002	1,203	10.0	11.7
Black and other, 16 years and over	922	1,351	13.2	18.4	1,023	1,172	15.6	17.1
Married, spouse present	277	425	7.4	10.7	295	353	10.8	12.2
Widowed, divorced, or separated	137	193	13.6	18.7	211	236	11.5	13.1
Single (never married)	508	733	22.6	31.2	518	583	25.9	27.0
Total, 20 to 64 years of age	3,103	4,860	5.6	8.6	3,025	3,782	7.3	8.8
Married, spouse present	1,461	2,473	3.7	6.3	1,494	1,942	6.0	7.6
Widowed, divorced, or separated	410	660	7.9	12.3	753	875	9.0	10.2
Single (never married)	1,231	1,727	11.0	14.9	779	965	9.4	11.0
White, 20 to 64 years of age	2,355	3,755	4.8	7.6	2,195	2,834	6.2	7.7
Married, spouse present	1,189	2,059	3.4	5.8	1,208	1,598	5.5	7.0
Widowed, divorced, or separated	278	468	6.6	10.7	548	643	8.2	9.3
Single (never married)	888	1,227	9.5	12.6	438	594	6.6	8.4
Black and other, 20 to 64 years of age	748	1,105	11.7	16.6	830	947	13.8	15.1
Married, spouse present	271	414	7.5	10.8	286	345	10.7	12.2
Widowed, divorced, or separated	133	192	13.7	19.5	205	232	11.7	13.5
Single (never married)	344	499	19.3	27.0	340	371	21.3	21.5

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A-11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982
Total, 16 years and over	7,884	10,695	7.3	9.7	6.5	9.6	8.4	9.8
White-collar workers	2,437	2,929	4.4	5.2	3.0	4.0	5.7	6.2
Professional and technical	552	653	3.2	3.7	2.5	3.4	4.1	4.1
Managers and administrators, except farm	327	443	2.7	3.6	2.2	3.1	4.1	4.8
Sales workers	323	360	4.9	5.3	3.1	3.9	6.9	7.1
Clerical workers	1,235	1,473	6.4	7.3	5.7	7.2	6.5	7.3
Blue-collar workers	3,096	4,679	8.9	13.7	8.2	12.9	12.1	17.0
Craft and kindred workers	853	1,307	6.3	9.5	6.3	9.5	6.7	9.9
Carpenters and other construction craft workers	427	613	10.0	14.1	9.9	14.0	(1)	21.0
All other	426	694	4.6	7.4	4.5	7.2	6.0	8.9
Operatives, except transport	1,289	2,088	10.8	18.8	9.2	18.5	13.2	19.1
Transport equipment operatives	287	385	7.4	10.1	7.5	10.4	7.0	6.7
Nonfarm laborers	668	899	12.3	16.2	12.1	16.0	13.7	17.8
Construction laborers	191	260	19.0	26.1	19.0	25.7	(1)	(1)
All other	477	639	10.8	14.1	10.3	13.6	13.3	17.0
Service workers	1,318	1,673	9.1	10.8	8.9	11.3	9.2	10.5
Private household	52	71	5.1	6.5	(1)	(1)	5.1	6.2
All other	1,266	1,602	9.4	11.2	9.0	11.3	9.7	11.1
Farm workers	116	146	3.8	4.8	3.0	4.9	7.2	4.6
No previous work experience	917	1,268	--	--	--	--	--	--
16 to 19 years	668	915	--	--	--	--	--	--
20 to 24 years	164	201	--	--	--	--	--	--
25 years and over	86	152	--	--	--	--	--	--

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

A-12. Unemployed persons by industry and sex

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982
Total, 16 years and over	100.0	100.0	7.3	9.7	6.5	9.6	8.4	9.8
Nonagricultural private wage and salary workers	73.5	75.8	7.3	10.0	6.7	10.2	8.1	9.8
Mining	.6	1.5	4.2	15.2	3.9	17.1	5.7	3.8
Construction	8.0	8.2	12.2	17.2	12.5	17.2	8.9	17.4
Manufacturing	21.5	26.8	7.4	12.8	5.9	11.7	10.4	15.1
Durable goods	12.9	17.4	7.3	14.0	6.1	13.2	10.5	16.0
Lumber and wood products	.9	.8	9.9	12.7	7.8	11.7	23.3	17.2
Furniture and fixtures	.6	.9	8.4	18.3	8.2	16.8	8.9	21.2
Stone, clay, and glass products	.6	.8	6.8	14.1	6.3	13.6	9.4	15.9
Primary metal industries	1.2	2.5	7.6	24.4	5.9	23.7	19.7	30.5
Fabricated metal products	1.6	2.1	8.1	16.4	6.7	16.0	13.0	17.7
Machinery, except electrical equipment	2.1	3.6	5.6	13.8	5.3	13.8	6.8	14.1
Electrical equipment	2.2	2.6	6.7	10.7	4.2	7.8	9.9	14.3
Transportation equipment	2.5	2.7	8.3	13.6	7.5	12.1	11.7	20.3
Automobiles	1.8	1.7	11.8	17.3	10.2	14.8	19.8	29.3
Other transportation equipment	.7	1.0	4.7	10.2	4.8	9.6	4.9	12.6
Instruments and related products	.5	.6	5.7	8.7	5.1	7.2	6.5	10.6
Other durable goods industries	.8	.8	8.5	10.2	5.9	6.9	12.3	15.3
Nondurable goods	8.6	9.4	7.5	11.1	5.4	8.8	10.2	14.1
Food and kindred products	2.1	2.2	8.4	11.7	6.8	9.9	11.7	14.9
Textile mill products	1.0	1.2	9.8	17.6	7.6	13.9	11.5	21.2
Apparel and other textile products	2.0	1.9	11.2	15.1	8.7	10.1	11.8	16.4
Paper and allied products	.4	.6	4.6	8.0	2.7	7.2	10.7	11.0
Printing and publishing	1.0	1.1	5.1	7.4	4.5	7.8	5.8	7.0
Chemicals and allied products	.8	.8	4.8	7.2	3.9	4.8	6.9	13.0
Rubber and plastics products	.9	.9	9.3	13.0	6.8	11.8	14.0	15.1
Other nondurable goods industries	.5	.6	6.3	11.6	3.8	9.4	9.7	14.1
Transportation and public utilities	3.0	3.5	4.0	6.5	4.4	6.9	2.9	5.3
Railroads and railway express	.3	.6	3.9	11.6	4.0	12.5	(1)	(1)
Other transportation	2.0	2.3	5.8	9.1	6.2	9.6	4.1	7.3
Communication and other public utilities	.7	.6	2.2	2.6	2.2	1.9	2.1	4.0
Wholesale and retail trade	20.8	18.5	8.3	9.6	7.0	8.4	9.6	10.9
Finance, insurance, and real estate	2.6	2.7	3.6	4.9	2.9	4.6	4.1	5.1
Service industries	16.9	14.6	7.1	7.7	6.9	8.1	7.2	7.5
Professional services	7.7	5.7	5.5	5.2	4.6	4.8	5.9	5.4
All other service industries	9.2	8.8	9.3	11.1	9.0	10.9	9.5	11.3
Agricultural wage and salary workers	2.1	1.9	9.7	11.1	8.5	11.2	13.9	10.8
All other classes of workers	12.8	10.4	3.9	4.2	3.1	3.9	4.9	4.6
No previous work experience	11.6	11.9	--	--	--	--	--	--

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

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

Reason for unemployment	Total unemployed		Males, 20 years and over		Females, 20 years and over		Both sexes, 16 to 19 years		White		Black and other	
	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982
NUMBER OF UNEMPLOYED												
Total unemployed, in thousands	7,884	10,695	3,145	4,937	3,064	3,821	1,675	1,937	5,939	8,171	1,945	2,523
Job losers	3,801	6,083	2,207	3,815	1,272	1,849	322	419	2,819	4,752	982	1,331
On layoff	1,093	2,018	652	1,329	374	593	68	96	867	1,701	226	316
Other job losers	2,708	4,065	1,555	2,486	898	1,256	254	323	1,952	3,051	756	1,015
Job leavers	1,035	861	333	338	477	393	225	130	849	692	186	169
Reentrants	2,129	2,487	513	658	1,156	1,355	460	474	1,626	1,920	503	566
New entrants	918	1,264	91	126	158	224	669	914	644	807	274	457
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	48.2	56.9	70.1	77.3	41.5	48.4	19.2	21.6	47.5	58.1	50.5	52.7
On layoff	13.9	18.9	20.7	26.9	12.2	15.5	4.0	5.0	14.6	20.8	11.6	12.5
Other job losers	34.3	38.0	49.4	50.4	29.3	32.9	15.2	16.6	32.9	37.3	38.9	40.2
Job leavers	13.1	8.0	10.6	6.8	15.6	10.3	13.4	6.7	14.3	8.5	9.6	6.7
Reentrants	27.0	23.3	16.3	13.3	37.7	35.5	27.4	24.5	27.4	23.5	25.9	22.4
New entrants	11.6	11.8	2.9	2.6	5.2	5.9	39.9	47.2	10.9	9.9	14.1	18.1
UNEMPLOYMENT RATE												
Total unemployment rate	7.3	9.7	5.5	8.5	7.2	8.6	19.9	23.9	6.3	8.5	14.3	17.8
Job loser rate ¹	3.5	5.5	3.8	6.6	3.0	4.1	3.8	5.2	3.0	5.0	7.3	9.3
Job leaver rate ¹	1.0	.8	.6	.6	1.1	.9	2.7	1.6	.9	.7	1.4	1.2
Reentrant rate ¹	2.0	2.2	.9	1.1	2.7	3.1	5.5	5.9	1.7	2.0	3.7	4.0
New entrant rate ¹	.8	1.1	.2	.2	.4	.5	7.9	11.3	.7	.8	2.0	3.2

¹ Unemployment rates are calculated as a percent of the civilian labor force.

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

[Percent distribution]

Reason, sex, and age	September 1982						
	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	10,695	100.0	38.7	29.8	31.6	14.5	17.1
Job losers	6,083	100.0	32.1	28.7	39.2	16.7	22.5
On layoff	2,018	100.0	39.9	26.5	33.6	16.2	17.4
Other job losers	4,065	100.0	28.2	29.8	42.0	16.9	25.1
Job leavers	861	100.0	47.4	30.7	21.9	9.9	12.0
Reentrants	2,487	100.0	51.1	28.4	20.5	10.6	9.9
New entrants	1,264	100.0	40.0	37.0	22.9	14.3	8.7
Males, 20 years and over	4,937	100.0	31.8	28.3	39.8	16.4	23.4
Job losers	3,815	100.0	29.4	28.1	42.5	16.9	25.6
On layoff	1,329	100.0	39.6	26.1	34.4	16.2	18.2
Other job losers	2,486	100.0	24.0	29.2	46.8	17.3	29.5
Job leavers	338	100.0	38.9	31.2	29.9	14.4	15.4
Reentrants	658	100.0	40.7	28.3	31.0	14.9	16.2
New entrants	126	100.0	40.3	28.1	31.6	14.9	16.7
Females, 20 years and over	3,821	100.0	43.1	29.3	27.5	13.1	14.4
Job losers	1,849	100.0	34.2	29.9	36.0	16.7	19.3
On layoff	593	100.0	38.6	27.2	34.2	16.3	17.9
Other job losers	1,256	100.0	32.1	31.1	36.8	16.8	20.0
Job leavers	393	100.0	49.8	29.7	20.4	8.9	11.5
Reentrants	1,355	100.0	52.9	28.6	18.5	9.5	9.0
New entrants	224	100.0	46.4	28.3	25.3	12.6	12.7
Both sexes, 16 to 19 years	1,937	100.0	47.2	34.3	18.4	12.2	6.2
Job losers	419	100.0	46.8	29.2	24.1	14.9	9.1
On layoff	96	100.0	52.5	27.7	19.8	15.1	4.6
Other job losers	323	100.0	45.0	29.6	25.4	14.9	10.5
Job leavers	130	100.0	62.1	32.0	5.9	1.4	4.5
Reentrants	474	100.0	60.4	27.9	11.7	8.0	3.6
New entrants	914	100.0	38.4	40.4	21.2	14.6	6.6

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A-15. Unemployed jobseekers by sex, age, race, and jobsearch methods used

Sex, age, and race	September 1982								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives			Other
Total, 16 years and over	10,695	8,572	22.5	6.0	79.5	33.9	13.9	5.1	1.61
16 to 19 years	1,937	1,833	13.9	3.7	83.0	24.9	12.3	4.2	1.42
20 to 24 years	2,345	1,933	25.1	6.1	80.3	37.7	14.0	3.9	1.67
25 to 34 years	3,139	2,395	24.7	7.1	77.4	36.5	15.7	5.1	1.67
35 to 44 years	1,588	1,171	26.9	7.4	78.9	36.5	13.6	5.5	1.69
45 to 54 years	577	713	28.1	5.9	80.1	34.1	13.7	7.3	1.69
55 to 64 years	550	440	17.0	6.8	74.3	34.3	14.1	10.5	1.57
65 years and over	116	89	10.1	--	70.8	31.5	1.1	3.4	1.17
Males, 16 years and over	5,961	4,514	25.5	6.2	81.4	32.0	16.4	6.2	1.68
16 to 19 years	1,024	956	15.4	3.6	85.7	24.1	14.3	3.0	1.46
20 to 24 years	1,344	1,052	28.1	6.5	81.5	36.1	17.5	3.9	1.74
25 to 34 years	1,746	1,214	27.0	7.9	79.4	34.8	19.1	6.3	1.75
35 to 44 years	864	584	31.7	7.0	81.0	32.5	18.7	8.7	1.80
45 to 54 years	563	395	34.2	6.3	81.0	32.4	12.9	10.6	1.77
55 to 64 years	345	253	19.8	6.3	77.5	30.4	11.5	15.8	1.61
65 years and over	77	58	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	4,734	4,058	19.2	5.8	77.4	36.0	11.1	3.9	1.53
16 to 19 years	913	876	12.2	3.9	80.1	25.7	10.0	5.5	1.37
20 to 24 years	1,005	880	21.6	5.6	79.0	39.7	9.9	4.1	1.60
25 to 34 years	1,393	1,181	22.3	6.4	75.4	38.0	12.2	3.8	1.58
35 to 44 years	724	586	22.2	7.7	77.1	40.4	8.5	2.2	1.58
45 to 54 years	415	317	20.5	5.0	79.2	36.3	14.8	3.2	1.59
55 to 64 years	245	187	13.4	7.5	70.1	39.6	17.6	3.7	1.52
65 years and over	39	31	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White, 16 years and over	8,171	6,385	20.9	5.9	80.3	36.6	13.7	4.9	1.62
Males	4,610	3,379	24.4	6.4	81.8	34.8	15.6	6.2	1.69
Females	3,561	3,006	16.9	5.4	78.5	38.7	11.6	3.5	1.55
Black and other, 16 years and over	2,523	2,187	27.4	6.3	77.3	25.8	14.4	5.8	1.57
Males	1,351	1,135	28.6	5.8	80.2	23.7	18.8	6.3	1.63
Females	1,172	1,053	26.0	6.8	74.1	28.1	9.7	5.1	1.50

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

waiting to begin a new wage and salary 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.

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or

A-16. Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used

Sex and reason	September 1982								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives			Other
Total, 16 years and over	10,695	8,572	22.5	6.0	79.5	33.9	13.9	5.1	1.61
Job losers	6,083	4,055	28.8	6.7	80.9	34.8	15.4	6.0	1.73
Job leavers	861	887	22.3	6.7	81.1	38.2	12.4	2.9	1.64
Reentrants	2,487	2,370	16.1	5.1	76.0	36.7	11.8	4.6	1.50
New entrants	1,264	1,260	14.6	5.0	80.4	22.8	14.4	4.9	1.42
Males, 16 years and over	5,961	4,514	25.5	6.2	81.4	32.0	16.4	6.2	1.68
Job losers	4,083	2,679	29.4	6.4	81.9	33.2	17.0	7.3	1.75
Job leavers	358	415	24.6	5.3	81.7	38.1	13.5	3.6	1.67
Reentrants	877	820	18.9	7.0	78.0	33.2	14.8	5.7	1.58
New entrants	602	599	17.9	5.0	83.6	20.9	18.2	3.8	1.49
Females, 16 years and over	4,734	4,058	19.2	5.8	77.4	36.0	11.1	3.9	1.53
Job losers	2,001	1,376	27.7	7.2	78.9	37.9	12.1	3.4	1.67
Job leavers	462	472	20.3	7.8	80.3	38.1	11.2	2.3	1.60
Reentrants	1,610	1,550	14.7	4.2	75.1	38.5	10.2	3.9	1.47
New entrants	661	661	11.5	5.0	77.5	24.5	10.9	6.1	1.35

NOTE: See note, table A-15.

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A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982
Total, 16 years and over	7,884	10,695	100.0	100.0	6,222	8,818	100.0	100.0
Less than 5 weeks	3,648	4,135	46.3	38.7	2,557	3,014	41.1	34.2
5 to 14 weeks	2,280	3,185	28.9	29.8	1,889	2,698	30.4	30.6
15 weeks and over	1,956	3,375	24.8	31.6	1,776	3,105	28.5	35.2
5 to 10 weeks	1,499	2,044	19.0	19.1	1,267	1,717	20.4	19.5
11 to 14 weeks	781	1,142	9.9	10.7	622	981	10.0	11.1
15 to 26 weeks	949	1,545	12.0	14.5	851	1,364	13.7	15.5
27 weeks and over	1,007	1,829	12.8	17.1	925	1,742	14.9	19.8
27 to 51 weeks	461	925	5.8	8.6	423	887	6.8	10.1
52 weeks and over	546	905	6.9	8.5	502	855	8.1	9.7
Average (mean) duration, in weeks	13.0	15.9	--	--	14.5	17.5	--	--
Median duration, in weeks	6.0	8.4	--	--	7.3	9.8	--	--

A-18. Unemployed persons by sex, age, race, marital status, and duration of unemployment

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982
	September 1982								Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982
Total, 16 years and over	10,695	4,135	3,185	1,545	1,829	15.9	8.4	46.3	38.7	24.8	31.6
16 to 21 years	2,936	1,310	996	378	252	11.4	6.4	53.0	44.6	17.7	21.5
16 to 19 years	1,937	914	665	236	121	10.4	5.8	54.7	47.2	14.9	18.4
20 to 24 years	2,349	946	706	343	355	14.3	7.8	47.5	40.3	24.3	29.7
25 to 34 years	3,139	1,144	936	472	587	16.9	8.8	44.9	36.5	26.5	33.7
35 to 44 years	1,588	563	432	250	342	18.5	9.8	43.9	35.5	27.9	37.3
45 to 54 years	977	324	264	150	239	19.7	10.5	35.8	33.1	34.1	39.8
55 to 64 years	590	187	160	80	163	21.1	10.9	35.3	31.6	33.6	41.1
65 years and over	116	57	21	15	23	16.0	5.3	49.6	48.8	35.2	32.9
Males, 16 years and over	5,961	2,012	1,766	943	1,240	18.2	10.1	41.1	33.7	29.7	36.6
16 to 21 years	1,594	642	554	229	169	12.9	7.3	48.0	40.3	21.3	25.0
16 to 19 years	1,024	439	367	133	84	11.7	6.7	50.2	42.9	18.1	21.3
20 to 24 years	1,344	472	410	210	251	16.6	9.5	42.3	35.1	30.2	34.3
25 to 34 years	1,746	537	506	299	405	19.9	11.5	37.9	30.7	31.7	40.3
35 to 44 years	864	252	238	155	219	21.2	12.1	39.2	29.2	35.3	43.3
45 to 54 years	563	170	152	83	157	20.7	11.3	33.8	30.2	37.2	42.8
55 to 64 years	345	100	80	58	108	23.7	13.9	30.8	28.9	34.8	48.0
65 years and over	77	42	14	4	17	15.8	4.5	(1)	55.2	(1)	27.2
Females, 16 years and over	4,734	2,123	1,419	602	589	13.0	6.5	51.5	44.9	19.8	25.2
16 to 21 years	1,342	668	441	149	83	9.7	5.1	58.1	49.8	14.0	17.3
16 to 19 years	913	475	299	102	37	9.0	4.8	59.3	52.0	11.7	15.3
20 to 24 years	1,005	474	295	132	104	11.2	5.9	53.5	47.1	17.6	23.5
25 to 34 years	1,393	608	430	173	182	13.3	6.4	51.9	43.6	21.4	25.5
35 to 44 years	724	312	194	95	123	15.4	7.3	47.8	43.0	21.9	30.2
45 to 54 years	415	154	112	67	81	18.3	9.5	38.2	37.2	30.6	35.8
55 to 64 years	245	87	81	22	55	17.4	9.4	40.2	35.5	32.2	31.5
65 years and over	39	14	8	11	6	16.4	7.3	(1)	(1)	(1)	(1)
White, 16 years and over	8,171	3,176	2,477	1,199	1,320	15.2	8.3	48.3	38.9	23.3	30.8
Males	4,610	1,540	1,399	749	922	17.6	10.1	42.6	33.4	28.2	36.2
Females	3,561	1,635	1,078	450	399	12.1	6.2	54.3	45.9	18.0	23.8
Black and other, 16 years and over	2,523	959	708	347	509	18.1	8.8	40.2	38.0	29.4	33.9
Males	1,351	471	367	194	318	20.1	10.1	36.2	34.9	34.4	38.0
Females	1,172	488	342	152	191	15.8	7.3	43.9	41.6	25.0	29.3
Males, 16 years and over:											
Married, spouse present	2,546	798	727	415	606	19.4	11.1	41.2	31.3	33.1	40.1
Widowed, divorced, or separated	677	229	191	81	177	21.2	10.5	31.0	33.8	37.6	38.1
Single (never married)	2,737	985	848	446	458	16.3	9.2	43.2	36.0	25.5	33.0
Females, 16 years and over:											
Married, spouse present	2,036	925	584	290	237	12.8	6.3	52.3	45.4	20.2	25.9
Widowed, divorced, or separated	912	362	262	108	180	16.0	8.0	44.3	39.7	26.1	31.6
Single (never married)	1,786	836	574	204	173	11.7	6.0	54.5	46.8	16.2	21.1

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

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A-19. Unemployed persons by occupation, industry, and duration of unemployment

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982
	September 1982										
OCCUPATION											
White-collar workers	2,929	1,227	884	394	425	14.5	7.3	48.5	41.9	22.4	27.9
Professional and managerial	1,096	421	343	154	177	16.2	8.0	46.6	38.4	25.0	30.3
Sales workers	360	141	106	58	55	14.3	8.0	48.5	39.2	20.6	31.3
Clerical workers	1,473	665	434	182	192	13.4	6.5	49.8	45.1	21.0	25.4
Blue-collar workers	4,679	1,595	1,278	750	1,056	18.5	10.1	42.1	34.1	29.4	38.6
Craft and kindred workers	1,307	472	347	196	292	17.3	10.0	46.0	36.1	27.1	37.3
Operatives, except transport	2,088	677	570	368	473	18.7	10.6	41.2	32.4	28.6	40.3
Transport equipment operatives	385	137	80	62	106	21.8	10.8	37.4	35.6	35.6	43.7
Nonfarm laborers	899	309	281	123	186	18.2	9.1	40.7	34.4	31.1	34.4
Service workers	1,673	737	513	198	225	13.9	6.6	49.2	44.0	23.5	25.3
INDUSTRY¹											
Agriculture	207	94	58	34	21	11.8	5.9	56.7	45.2	14.1	26.8
Construction	909	297	269	136	208	17.8	10.4	46.0	32.7	26.7	37.8
Manufacturing	2,871	957	766	482	666	19.0	10.7	40.4	33.3	28.9	40.0
Durable goods	1,869	554	509	327	478	20.1	11.9	38.0	29.7	31.8	43.1
Nondurable goods	1,003	403	257	155	189	17.0	8.4	44.0	40.2	24.5	34.2
Transportation and public utilities	420	179	107	55	78	16.1	7.8	37.9	42.7	27.3	31.7
Wholesale and retail trade	1,998	786	636	287	289	14.5	7.9	50.0	39.4	22.5	28.8
Finance and service industries	2,369	1,057	688	282	342	14.5	6.6	47.6	44.6	25.4	26.3
Public administration	247	101	72	23	52	17.8	8.2	40.9	40.9	26.6	30.1
No previous work experience	1,268	510	468	180	110	12.7	7.8	50.1	40.3	18.9	22.9

¹ Includes wage and salary workers only.

A-20. Employed persons by industry, age, and sex

[In thousands]

Industry and age	Total		Males		Females	
	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982
All industries	100,389	99,851	57,656	56,335	42,733	43,516
18 to 19 years	6,758	6,152	3,582	3,124	3,176	3,029
18 to 17 years	2,671	2,274	1,430	1,119	1,241	1,155
18 to 19 years	4,087	3,878	2,152	2,004	1,935	1,874
20 to 24 years	14,087	13,614	7,539	7,126	6,548	6,487
25 to 54 years	65,111	65,402	37,820	37,362	27,292	28,039
25 to 34 years	28,520	28,284	16,535	16,087	11,985	12,196
35 to 44 years	20,417	21,172	11,801	12,047	8,615	9,126
45 to 54 years	16,175	15,946	9,483	9,228	6,691	6,717
55 to 64 years	11,476	11,684	6,899	6,925	4,577	4,759
55 to 59 years	7,113	7,147	4,227	4,246	2,886	2,901
60 to 64 years	4,363	4,537	2,672	2,680	1,691	1,858
65 years and over	2,956	3,000	1,816	1,798	1,141	1,202
Nonagricultural industries	96,780	96,239	54,804	53,459	41,975	42,780
18 to 19 years	6,357	5,782	3,246	2,826	3,111	2,956
18 to 17 years	2,463	2,123	1,260	999	1,203	1,124
18 to 19 years	3,894	3,659	1,986	1,827	1,908	1,832
20 to 24 years	13,599	13,089	7,149	6,710	6,450	6,379
25 to 54 years	63,234	63,509	36,394	35,903	26,839	27,606
25 to 34 years	27,750	27,495	15,943	15,450	11,807	12,045
35 to 44 years	19,852	20,587	11,392	11,620	8,460	8,967
45 to 54 years	15,631	15,426	9,059	8,832	6,573	6,594
55 to 64 years	10,943	11,176	6,467	6,503	4,477	4,672
55 to 59 years	6,810	6,869	3,994	4,022	2,816	2,847
60 to 64 years	4,133	4,307	2,472	2,481	1,661	1,825
65 years and over	2,647	2,683	1,549	1,517	1,098	1,166
Agriculture	3,609	3,612	2,851	2,876	758	736
18 to 19 years	401	370	336	297	65	73
18 to 17 years	208	151	170	120	39	31
18 to 19 years	192	219	166	177	26	42
20 to 24 years	489	524	390	416	98	108
25 to 54 years	1,879	1,893	1,425	1,460	452	433
25 to 34 years	770	788	592	637	178	151
35 to 44 years	565	585	409	427	156	158
45 to 54 years	543	519	425	396	119	123
55 to 64 years	532	509	433	422	100	87
55 to 59 years	302	278	233	224	70	54
60 to 64 years	230	231	200	198	30	33
65 years and over	309	316	267	281	42	36

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A-21. Employed persons by occupation, sex, and age
 [In thousands]

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 16-19 years		Females, 16-19 years	
	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982
TOTAL	100,389	99,851	54,074	53,212	39,557	40,487	3,582	3,124	3,176	3,029
White-collar workers	52,728	53,715	24,052	24,169	26,460	27,376	563	587	1,653	1,583
Professional and technical	16,535	16,867	9,139	9,173	7,260	7,552	58	60	77	83
Health workers	3,198	3,207	1,053	1,013	2,129	2,181	4	--	11	15
Teachers, except college	3,258	3,277	971	982	2,274	2,281	3	--	11	15
Other professional and technical	10,079	10,383	7,115	7,178	2,857	3,090	51	60	55	53
Managers and administrators, except farm	11,661	11,789	8,444	8,332	3,116	3,338	60	65	42	55
Salaried workers	9,617	9,893	6,921	6,915	2,598	2,861	57	65	42	54
Self-employed workers in retail trade	900	865	590	591	307	274	2	--	1	1
Self-employed workers, except retail trade	1,145	1,031	933	826	211	203	1	1	--	1
Sales workers	6,327	6,390	3,218	3,337	2,453	2,480	233	210	423	363
Retail trade	3,261	3,177	1,022	1,061	1,650	1,651	189	151	399	313
Other industries	3,066	3,214	2,196	2,276	803	829	43	60	24	50
Clerical workers	18,204	18,668	3,251	3,328	13,630	14,006	212	252	1,111	1,082
Stenographers, typists, and secretaries	4,904	4,857	85	82	4,564	4,568	1	2	255	206
Other clerical workers	13,300	13,811	3,166	3,246	9,066	9,438	211	250	856	876
Blue-collar workers	31,610	29,495	23,878	22,501	5,561	5,237	1,859	1,475	312	283
Craft and kindred workers	12,676	12,400	11,537	11,204	712	855	392	306	36	35
Carpenters	1,159	1,073	1,088	1,014	17	12	51	47	3	--
Construction craft workers, except carpenters	2,678	2,658	2,528	2,530	40	46	108	76	2	5
Mechanics and repairers	3,332	3,292	3,119	3,112	67	58	145	118	3	4
Metal craft workers	1,315	1,166	1,245	1,108	49	47	20	8	--	2
Blue-collar worker supervisors, not elsewhere classified	1,768	1,722	1,586	1,519	175	193	6	6	2	4
All other	2,425	2,489	1,972	1,921	365	499	61	49	27	20
Operatives, except transport	10,608	9,027	5,882	4,970	4,070	3,610	504	298	152	148
Durable goods manufacturing	4,610	3,757	2,942	2,254	1,507	1,401	126	65	34	37
Nondurable goods manufacturing	3,366	2,978	1,255	1,194	1,913	1,662	116	45	82	76
Other industries	2,633	2,292	1,685	1,522	649	547	262	188	35	35
Transport equipment operatives	3,562	3,430	3,095	3,004	326	293	128	119	13	15
Drivers, motor vehicles	3,006	2,989	2,586	2,591	299	271	110	112	11	15
All other	556	441	508	413	27	22	19	6	3	--
Nonfarm laborers	4,764	4,638	3,364	3,322	453	479	835	752	111	85
Construction	815	738	665	620	18	19	125	101	7	--
Manufacturing	1,049	889	811	704	134	132	90	48	14	6
Other industries	2,900	3,011	1,888	1,999	301	328	620	603	90	81
Service workers	13,126	13,753	4,043	4,434	7,030	7,381	889	817	1,164	1,121
Private household workers	952	1,032	27	23	775	820	7	17	143	172
Service workers, except private household	12,174	12,721	4,016	4,411	6,255	6,561	882	800	1,021	949
Food service workers	4,687	4,774	912	1,138	2,408	2,422	609	537	758	678
Protective service workers	1,408	1,561	1,260	1,365	129	154	17	31	3	11
All other	6,079	6,386	1,844	1,908	3,718	3,985	256	232	260	260
Farm workers	2,925	2,888	2,100	2,108	506	493	272	245	47	42
Farmers and farm managers	1,579	1,507	1,349	1,309	204	182	24	15	2	1
Farm laborers and supervisors	1,346	1,381	751	799	302	311	248	230	45	41
Paid workers	1,083	1,131	713	770	144	142	203	187	23	33
Unpaid family workers	263	249	38	29	158	169	45	43	22	8

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

[Percent distribution]

Occupation and race	Total		Males		Females	
	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982
TOTAL						
Total, 16 years and over (thousands)	100,389	99,851	57,656	56,335	42,733	43,516
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.5	53.8	42.7	43.9	65.8	66.5
Professional and technical	16.5	16.9	16.0	16.4	17.2	17.5
Managers and administrators, except farm	11.6	11.8	14.7	14.9	7.4	7.8
Sales workers	6.3	6.4	6.0	6.3	6.7	6.5
Clerical workers	18.1	18.7	6.0	6.4	34.5	34.7
Blue-collar workers	31.5	29.5	44.6	42.6	13.7	12.7
Craft and kindred workers	12.6	12.4	20.7	20.4	1.8	2.0
Operatives, except transport	10.6	9.0	11.1	9.4	9.9	8.6
Transport equipment operatives	3.5	3.4	5.6	5.5	.8	.7
Nonfarm laborers	4.7	4.6	7.3	7.2	1.3	1.3
Service workers	13.1	13.8	8.6	9.3	19.2	19.5
Private household workers	.9	1.0	.1	.1	2.1	2.3
Other service workers	12.1	12.7	8.5	9.2	17.0	17.3
Farm workers	2.9	2.9	4.1	4.2	1.3	1.2
Farmers and farm managers	1.6	1.5	2.4	2.4	.5	.4
Farm laborers and supervisors	1.3	1.4	1.7	1.8	.8	.8
White						
Total, 16 years and over (thousands)	88,778	88,175	51,581	50,354	37,197	37,821
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	54.1	55.5	44.1	45.6	67.9	68.7
Professional and technical	16.8	17.4	16.3	17.0	17.4	17.9
Managers and administrators, except farm	12.4	12.6	15.7	15.7	7.9	8.3
Sales workers	6.7	6.8	6.3	6.7	7.3	7.0
Clerical workers	18.2	18.7	5.7	6.2	35.4	35.4
Blue-collar workers	30.9	29.0	43.9	41.7	13.0	12.0
Craft and kindred workers	13.1	12.9	21.3	21.0	1.8	2.2
Operatives, except transport	10.0	8.4	10.6	8.8	9.0	7.9
Transport equipment operatives	3.4	3.4	5.3	5.3	.8	.7
Nonfarm laborers	4.4	4.3	6.7	6.6	1.3	1.3
Service workers	11.9	12.4	7.7	8.3	17.7	18.0
Private household workers	.7	.8	.1	(1)	1.6	1.8
Other service workers	11.2	11.6	7.7	8.2	16.1	16.1
Farm workers	3.1	3.1	4.3	4.4	1.4	1.3
Farmers and farm managers	1.7	1.7	2.6	2.6	.5	.5
Farm laborers and supervisors	1.4	1.4	1.7	1.8	.9	.9
Black and other						
Total, 16 years and over (thousands)	11,611	11,676	6,075	5,981	5,537	5,695
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	40.8	40.9	31.0	30.0	51.5	52.4
Professional and technical	14.3	13.2	12.9	11.5	15.8	14.9
Managers and administrators, except farm	5.6	6.1	6.8	7.9	4.3	4.2
Sales workers	3.1	3.1	3.0	2.9	3.2	3.3
Clerical workers	17.8	18.6	8.3	7.8	28.3	30.0
Blue-collar workers	35.8	33.8	51.0	49.7	19.0	17.1
Craft and kindred workers	8.8	8.7	15.8	15.8	1.1	1.3
Operatives, except transport	15.1	13.6	14.7	13.6	15.5	13.6
Transport equipment operatives	4.7	4.0	8.4	7.3	.7	.6
Nonfarm laborers	7.1	7.4	12.2	13.0	1.6	1.6
Service workers	21.9	24.0	15.6	18.2	28.9	30.0
Private household workers	2.8	2.8	.1	.3	5.7	5.4
Other service workers	19.2	21.2	15.5	18.0	23.2	24.6
Farm workers	1.5	1.3	2.4	2.1	.6	.5
Farmers and farm managers	.4	.2	.5	.3	.2	.1
Farm laborers and supervisors	1.2	1.1	1.9	1.8	.4	.4

¹ Less than 0.05 percent.

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

(In thousands)

Age and sex	September 1982								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	88,399	1,212	15,534	71,653	7,456	384	1,661	1,681	270
16 to 19 years	5,667	275	314	5,078	99	16	290	27	52
16 to 17 years	2,065	191	58	1,816	50	8	109	14	28
18 to 19 years	3,602	84	256	3,262	49	9	181	13	24
20 to 24 years	12,718	151	1,322	11,245	352	20	387	92	46
25 to 34 years	25,634	154	4,398	21,081	1,793	68	419	335	34
35 to 44 years	18,638	141	3,962	14,535	1,846	103	240	301	44
45 to 54 years	13,839	148	3,035	10,656	1,508	78	156	311	53
55 to 64 years	9,819	203	2,140	7,476	1,281	75	119	359	31
55 to 59 years	6,099	103	1,377	4,619	716	54	68	189	21
60 to 64 years	3,720	99	763	2,857	565	22	50	170	10
65 years and over	2,083	139	364	1,580	577	23	51	256	10
Males, 16 years and over	46,315	225	7,520	40,570	5,103	41	1,335	1,468	72
16 to 19 years	2,752	101	142	2,508	64	10	229	26	43
16 to 17 years	566	73	27	866	28	4	84	12	25
18 to 19 years	1,785	28	115	1,643	36	6	145	14	18
20 to 24 years	6,470	48	568	5,854	228	12	307	87	22
25 to 34 years	14,243	25	2,073	12,145	1,200	7	346	289	2
35 to 44 years	10,372	18	1,917	8,438	1,248	--	175	252	--
45 to 54 years	7,796	7	1,519	6,270	1,034	3	128	268	1
55 to 64 years	5,561	9	1,106	4,445	938	4	103	319	--
55 to 59 years	3,480	4	707	2,768	540	3	57	168	--
60 to 64 years	2,081	5	399	1,677	398	2	46	151	--
65 years and over	1,121	16	195	910	392	4	48	227	5
Females, 16 years and over	40,084	988	8,013	31,083	2,353	344	326	212	198
16 to 19 years	2,915	174	172	2,570	35	6	61	2	9
16 to 17 years	1,099	118	31	951	22	3	25	2	4
18 to 19 years	1,817	56	141	1,619	13	3	37	--	6
20 to 24 years	6,248	102	754	5,392	123	8	80	4	24
25 to 34 years	11,391	130	2,325	8,936	593	61	73	45	32
35 to 44 years	8,266	124	2,045	6,097	598	103	65	49	44
45 to 54 years	6,043	141	1,515	4,387	475	76	28	43	52
55 to 64 years	4,258	194	1,034	3,031	343	71	16	40	31
55 to 59 years	2,620	99	670	1,851	176	51	11	21	22
60 to 64 years	1,639	95	364	1,180	167	20	4	19	9
65 years and over	562	123	168	670	185	19	3	28	5

A-24. Employed persons by industry and occupation

(In thousands)

Industry	September 1982											
	Total employed	White-collar workers				Blue-collar workers			Service workers			Farm workers
		Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
Agriculture	3,612	85	33	10	97	68	17	42	355	--	17	2,888
Mining	560	136	113	4	129	228	274	50	13	--	13	--
Construction	5,674	198	750	18	403	3,310	244	180	738	--	35	--
Manufacturing	19,977	2,639	1,679	494	2,589	3,899	6,735	647	889	--	405	--
Durable goods	11,785	1,854	998	175	1,492	2,524	3,757	268	489	--	228	--
Nondurable goods	8,192	784	682	319	1,098	1,375	2,978	379	400	--	177	--
Transportation and public utilities	6,626	681	760	70	1,443	1,409	164	1,468	424	--	208	--
Wholesale and retail trade	20,966	504	4,174	4,216	3,839	1,460	856	731	1,293	--	3,893	--
Wholesale trade	4,111	169	889	1,039	843	323	206	357	260	--	25	--
Retail trade	16,855	335	3,285	3,177	2,997	1,136	651	373	1,033	--	3,868	--
Finance, insurance, and real estate	6,163	415	1,224	1,345	2,716	119	4	16	93	--	232	--
Services	30,502	11,202	2,418	230	5,586	1,614	686	242	681	1,032	6,811	--
Private households	1,283	4	1	--	22	2	12	9	166	1,032	35	--
Other service industries	25,219	11,198	2,417	230	5,564	1,612	674	233	515	--	6,776	--
Public administration	5,171	1,008	638	4	1,866	295	47	54	152	--	1,108	--

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

[In thousands]

Reason not working and sex	All industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
	Sept. 1981				Sept. 1982		Paid absences ²		Unpaid absences^{2}
			Sept. 1981	Sept. 1982			Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982
Total, 16 years and over	5,478	4,922	5,357	4,825	3,083	2,578	1,750	1,632
Vacation	3,186	2,633	3,142	2,608	2,355	1,901	557	467
Illness	1,303	1,270	1,278	1,232	530	505	658	637
Bad weather	37	46	27	36	--	--	--	--
Industrial dispute	30	58	30	58	--	--	--	--
All other reasons	922	916	880	891	197	172	534	528
Males, 16 years and over	2,924	2,593	2,828	2,519	1,748	1,447	753	691
Vacation	1,717	1,429	1,683	1,407	1,343	1,099	202	174
Illness	736	673	717	643	312	282	346	295
All other reasons ³	472	491	428	468	93	65	205	222
Females, 16 years and over	2,554	2,329	2,529	2,306	1,335	1,131	997	940
Vacation	1,470	1,204	1,459	1,200	1,013	801	355	292
Illness	567	596	561	589	219	223	312	342
All other reasons ³	517	529	509	516	103	107	329	306

¹Excludes private household workers.

³Includes bad weather and industrial dispute, not shown separately.

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

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

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

Hours of work	September 1982					
	Thousands of persons			Percent distribution		
	All industries	Nonagri-cultural industries	Agricul-ture	All industries	Nonagri-cultural industries	Agricul-ture
Total, 16 years and over	94,929	91,415	3,514	100.0	100.0	100.0
1-34 hours	23,890	22,775	1,114	25.2	24.9	31.7
1-4 hours	950	882	68	1.0	1.0	1.9
5-14 hours	4,627	4,356	270	4.9	4.8	7.7
15-29 hours	11,799	11,247	552	12.4	12.3	15.7
30-34 hours	6,514	6,290	224	6.9	6.9	6.4
35 hours and over	71,039	68,639	2,400	74.8	75.1	68.3
35-39 hours	6,960	6,852	109	7.3	7.5	3.1
40 hours	40,341	39,762	580	42.5	43.5	16.5
41 hours and over	23,738	22,025	1,711	25.0	24.1	48.7
41 to 48 hours	8,782	8,540	241	9.3	9.3	6.9
49 to 59 hours	8,435	7,917	518	8.9	8.7	14.7
60 hours and over	6,521	5,568	952	6.9	6.1	27.1
Average hours, total at work	38.3	38.1	43.8	--	--	--
Average hours, workers on full-time schedules	43.2	42.8	53.2	--	--	--

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

[Numbers in thousands]

Reason for working less than 35 hours	September 1982					
	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	23,890	6,740	17,150	22,775	6,422	16,354
Economic reasons	6,267	2,432	3,835	5,924	2,286	3,638
Slack work	3,349	2,050	1,299	3,112	1,925	1,187
Material shortages or repairs to plant and equipment	64	64	--	63	63	--
New job started during week	214	214	--	201	201	--
Job terminated during week	104	104	--	97	97	--
Could find only part-time work	2,536	--	2,536	2,450	--	2,450
Other reasons	17,622	4,308	13,314	16,853	4,137	12,716
Does not want, or unavailable for, full-time work	11,026	--	11,026	10,563	--	10,563
Vacation	1,053	1,053	--	1,029	1,029	--
Illness	1,617	1,432	185	1,555	1,405	150
Bad weather	276	276	--	192	192	--
Industrial dispute	62	62	--	62	62	--
Legal or religious holiday	112	112	--	112	112	--
Full time for this job	1,559	--	1,559	1,521	--	1,521
All other reasons	1,917	1,373	544	1,818	1,337	481
Average hours:						
Economic reasons	21.7	24.6	19.9	21.8	24.7	20.0
Other reasons	20.4	26.2	18.5	20.5	26.3	18.6
Worked 30 to 34 hours:						
Economic reasons	1,971	1,158	813	1,877	1,102	775
Other reasons	4,543	2,296	2,247	4,413	2,234	2,179

A-28. Nonagricultural workers by industry and full- or part-time status

[Numbers in thousands]

Industry	September 1982								Average hours, total at work	Average hours, workers on full-time schedules
	Full- or part-time status									
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules						
Total				40 hours or less	41 to 48 hours	49 hours or more				
Total, 16 years and over ¹	51,415	5,924	12,716	72,775	50,750	8,540	13,485	38.1	42.8	
Wage and salary workers	84,146	5,251	11,299	67,596	48,400	7,982	11,214	37.9	42.4	
Construction	4,467	407	206	3,854	2,798	453	603	39.1	42.1	
Manufacturing	18,584	1,040	534	17,010	12,442	2,225	2,343	40.5	42.0	
Durable goods	11,000	519	209	10,272	7,665	1,251	1,356	40.8	41.9	
Nondurable goods	7,584	521	325	6,738	4,777	974	987	40.0	42.2	
Transportation and public utilities	5,879	223	361	5,295	3,788	578	929	40.7	43.0	
Wholesale and retail trade	18,014	1,592	4,140	12,282	7,995	1,716	2,571	35.8	43.1	
Finance, insurance, and real estate	5,377	142	484	4,751	3,687	450	614	38.7	41.1	
Service industries	26,020	1,692	5,257	19,071	13,764	1,968	3,339	35.9	42.3	
Private households	1,170	272	561	337	240	29	68	21.6	43.8	
All other industries	24,850	1,420	4,696	18,734	13,524	1,939	3,271	36.6	42.3	
Public administration	4,928	105	303	4,520	3,464	462	594	40.1	42.1	
Self-employed workers	6,884	646	1,257	4,981	2,213	534	2,234	40.4	48.9	
Unpaid family workers	384	27	159	198	137	24	37	33.4	44.0	

¹ Includes mining, not shown separately.

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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 1982							
	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								
Both sexes, 16 years and over	91,415	5,924	12,716	72,775	50,750	22,025	38.1	42.8
16 to 21 years	10,168	1,168	4,052	4,948	3,912	1,036	28.6	40.5
16 to 19 years	5,617	658	3,061	1,898	1,550	348	24.4	39.9
16 to 17 years	2,065	134	1,772	159	143	16	16.1	35.0
18 to 19 years	3,553	524	1,289	1,740	1,407	333	29.2	40.4
20 years and over	85,798	5,265	9,654	70,879	49,202	21,677	39.0	42.9
20 to 24 years	12,617	1,217	1,875	9,525	7,130	2,395	36.2	41.5
25 years and over	73,181	4,049	7,778	61,354	42,070	19,284	39.5	43.1
25 to 44 years	45,885	2,587	4,114	39,184	26,472	12,712	40.0	43.3
45 to 64 years	24,843	1,336	2,493	21,014	14,740	6,274	39.6	42.9
65 years and over	2,453	127	1,172	1,154	856	298	28.7	42.2
Males, 16 years and over	50,940	2,770	3,682	44,488	28,068	16,420	41.1	44.2
16 to 21 years	4,999	559	1,800	2,640	1,915	725	30.2	41.5
16 to 19 years	2,737	302	1,383	1,052	819	233	25.7	40.5
16 to 17 years	972	70	805	97	81	16	17.0	35.3
18 to 19 years	1,765	232	578	955	739	216	30.6	41.1
20 years and over	48,204	2,467	2,298	43,439	27,252	16,187	42.0	44.2
20 to 24 years	6,496	619	761	5,116	3,427	1,689	38.1	42.9
25 years and over	41,708	1,848	1,538	38,322	23,824	14,498	42.5	44.4
25 to 44 years	25,947	1,203	505	24,239	14,676	9,563	43.2	44.7
45 to 64 years	14,381	587	419	13,375	8,646	4,729	42.6	44.0
65 years and over	1,380	60	614	706	501	205	30.5	43.1
Females, 16 years and over	40,475	3,154	9,034	28,287	22,681	5,606	34.3	40.7
16 to 21 years	5,168	609	2,253	2,306	1,995	311	27.1	39.2
16 to 19 years	2,881	356	1,678	847	732	115	23.2	39.1
16 to 17 years	1,093	64	967	62	62	--	15.4	34.3
18 to 19 years	1,788	292	711	785	669	116	28.0	39.5
20 years and over	37,594	2,799	7,356	27,439	21,948	5,491	35.2	40.8
20 to 24 years	6,121	598	1,114	4,409	3,703	706	34.3	40.0
25 years and over	31,473	2,200	6,242	23,031	18,246	4,785	35.4	40.9
25 to 44 years	19,938	1,384	3,609	14,945	11,795	3,150	35.8	40.9
45 to 64 years	10,462	749	2,074	7,639	6,093	1,546	35.4	40.9
65 years and over	1,073	67	559	447	356	91	26.5	40.9
RACE								
White	80,605	4,837	11,665	64,103	43,692	20,411	38.2	43.0
Males	45,438	2,272	3,338	39,828	24,480	15,348	41.4	44.4
Females	35,167	2,566	8,327	24,274	19,211	5,063	34.2	40.8
Black and other	10,810	1,085	1,050	8,675	7,060	1,615	37.0	41.2
Males	5,502	498	344	4,660	3,587	1,073	38.7	42.1
Females	5,308	589	707	4,012	3,468	544	35.3	40.1
MARITAL STATUS								
Males, 16 years and over:								
Married, spouse present	34,877	1,390	1,150	32,337	19,632	12,705	42.9	44.6
Widowed, divorced, or separated	4,412	299	224	3,889	2,541	1,348	41.4	44.1
Single (never married)	11,651	1,081	2,307	8,263	5,896	2,367	35.5	42.6
Females, 16 years and over:								
Married, spouse present	22,441	1,601	5,358	15,482	12,572	2,910	34.2	40.6
Widowed, divorced, or separated	7,925	644	1,029	6,252	4,778	1,474	37.0	41.4
Single (never married)	10,108	908	2,647	6,553	5,332	1,221	32.5	40.4

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

[Numbers in thousands]

Occupation and sex	September 1982								
	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	92,115	6,003	12,870	73,242	50,987	8,588	13,667	38.1	42.9
White-collar workers	51,186	1,882	7,154	42,150	28,265	4,804	9,081	39.1	43.3
Professional and technical	16,155	431	1,916	13,808	8,999	1,647	3,162	40.0	43.6
Managers and administrators, except farm	11,249	179	544	10,526	5,233	1,430	3,863	45.0	46.7
Sales workers	6,068	422	1,405	4,241	2,545	531	1,165	36.4	44.0
Clerical workers	17,713	849	3,289	13,575	11,490	1,195	890	35.3	40.0
Blue-collar workers	27,866	2,578	1,783	23,505	16,840	3,081	3,584	39.0	42.4
Craft and kindred workers	11,724	784	395	10,545	7,282	1,444	1,819	40.7	42.8
Operatives, except transport	8,533	922	397	7,214	5,581	926	707	38.6	41.3
Transport equipment operatives	3,199	258	243	2,698	1,589	374	735	41.4	45.3
Nonfarm laborers	4,411	614	74	3,050	2,390	338	322	33.9	41.1
Service workers	13,063	1,543	3,933	7,587	5,882	703	1,002	32.1	41.9
Private household	991	193	496	302	212	27	63	23.2	44.9
Other service workers	12,071	1,350	3,438	7,283	5,669	676	938	32.9	41.8
Males, 16 years and over	51,444	2,829	3,758	44,857	28,248	5,774	10,835	41.0	44.1
White-collar workers	23,758	507	1,495	21,756	12,073	2,785	6,898	43.3	45.5
Professional and technical	8,887	155	500	8,232	4,921	937	2,374	42.9	44.9
Managers and administrators, except farm	8,055	113	225	7,717	3,417	1,088	3,212	46.6	47.8
Sales workers	3,416	119	390	2,907	1,567	400	940	41.3	45.2
Clerical workers	3,400	120	380	2,900	2,169	359	372	38.6	41.8
Blue-collar workers	22,681	1,921	1,242	19,518	13,546	2,638	3,334	39.7	42.8
Craft and kindred workers	10,888	728	292	9,868	6,745	1,371	1,752	41.0	42.9
Operatives, except transport	5,007	413	183	4,411	3,246	610	555	39.7	42.0
Transport equipment operatives	2,910	224	140	2,546	1,467	360	719	42.5	45.5
Nonfarm laborers	3,877	557	627	2,693	2,089	297	307	34.1	41.3
Service workers	5,005	401	1,021	3,583	2,629	351	603	36.2	43.2
Private household	38	13	20	5	1	2	2	17.3	73.2
Other service workers	4,967	388	1,000	3,579	2,628	350	601	36.4	43.2
Females, 16 years and over	40,671	3,174	9,113	28,384	22,739	2,814	2,831	34.3	40.7
White-collar workers	27,428	1,375	5,659	20,394	16,192	2,019	2,183	35.4	40.8
Professional and technical	7,267	276	1,416	5,575	4,077	710	788	36.4	41.7
Managers and administrators, except farm	3,194	67	319	2,808	1,814	342	652	40.9	43.8
Sales workers	2,652	303	1,015	1,334	977	131	226	30.1	41.5
Clerical workers	14,314	730	2,909	10,675	9,322	836	517	34.6	39.5
Blue-collar workers	5,185	657	541	3,987	3,294	443	250	36.1	40.2
Craft and kindred workers	836	56	103	677	536	73	68	36.9	40.8
Operatives, except transport	3,526	509	214	2,803	2,335	316	152	36.9	40.2
Transport equipment operatives	289	34	103	152	122	14	16	30.6	40.5
Nonfarm laborers	534	57	121	356	301	41	14	32.7	39.3
Service workers	8,058	1,142	2,913	4,003	3,253	352	398	29.6	40.7
Private household	954	180	475	299	213	25	61	23.4	44.5
Other service workers	7,104	962	2,438	3,704	3,041	327	336	30.4	40.4

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A-31. Employment status of 14- and 15-year-olds by sex and race

[Numbers in thousands]

Employment status	September 1982								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,141	3,636	3,505	5,895	3,016	2,878	1,246	620	627
Civilian labor force	1,055	550	505	1,003	526	478	51	24	28
Employed	878	446	433	849	430	419	29	16	14
Agriculture	105	88	16	104	88	17	--	1	--
Nonagricultural industries	774	357	416	745	342	402	29	15	14
Unemployed	176	104	73	154	96	59	22	8	14
Unemployment rate	16.7	18.9	14.5	15.4	18.3	12.3	(1)	(1)	(1)
Not in labor force	6,086	3,086	3,000	4,891	2,491	2,401	1,195	596	599
Keeping house	17	8	9	12	6	6	5	2	3
Going to school	5,517	2,979	2,938	4,765	2,413	2,353	1,152	567	585
Unable to work	2	--	4	2	--	4	--	--	--
All other reasons	150	100	49	112	73	38	38	27	11

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

A-32. Employed 14- and 15-year-olds by class of worker, occupation, and sex

Class of worker and occupation	September 1982					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	878	446	433	100.0	100.0	100.0
Nonagricultural industries	774	357	416	88.3	79.9	96.3
Wage and salary workers	680	299	381	77.5	66.9	88.2
Private household workers	312	64	248	35.6	14.3	57.4
Government workers	9	6	3	1.0	1.3	.7
Other wage and salary workers	358	229	129	40.8	51.2	29.9
Self-employed workers	86	57	29	9.8	12.8	6.7
Unpaid family workers	8	2	6	.9	.4	1.4
Agriculture	105	88	16	12.0	19.7	3.7
Wage and salary workers	57	47	10	6.5	10.5	2.3
Self-employed workers	27	27	1	3.1	6.0	.2
Unpaid family workers	20	15	6	2.3	3.4	1.4
OCCUPATION						
Total	878	446	433	100.0	100.0	100.0
White-collar workers	273	178	95	31.1	39.8	21.9
Professional and technical	13	5	8	1.5	1.1	1.8
Managers and administrators, except farm	3	2	--	.3	.4	--
Sales workers	214	156	58	24.3	34.9	13.4
Clerical workers	43	15	28	4.9	3.4	6.5
Blue-collar workers	142	131	11	16.2	29.3	2.5
Craft and kindred workers	--	1	--	--	.2	--
Operatives, except transport	5	3	2	.6	.7	.5
Transport equipment operatives	2	--	2	.2	--	.5
Nonfarm laborers	136	128	8	15.5	28.6	1.8
Service workers	395	81	314	44.9	18.1	72.5
Private household workers	264	14	250	30.0	3.1	57.7
Other service workers	131	67	65	14.9	15.0	15.0
Farm workers	68	56	12	7.7	12.5	2.8
Farmers and farm managers	--	--	--	--	--	--
Farm laborers and supervisors	68	56	12	7.7	12.5	2.8

HOUSEHOLD DATA
SEASONALLY ADJUSTED

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

(Numbers in thousands)

Employment status, sex, and age	1981				1982								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
TOTAL													
Total noninstitutional population ¹	172,758	172,966	173,155	173,330	173,495	173,657	173,843	174,020	174,201	174,364	174,544	174,707	174,889
Armed Forces ¹	2,165	2,156	2,158	2,164	2,159	2,168	2,175	2,176	2,175	2,173	2,180	2,196	2,198
Civilian noninstitutional population ¹	170,593	170,809	170,996	171,166	171,335	171,489	171,667	171,844	172,026	172,190	172,364	172,511	172,690
Civilian labor force	108,494	109,012	109,272	109,184	108,879	109,165	109,346	109,648	110,666	110,191	110,522	110,644	110,980
Percent of civilian population	63.6	63.8	63.9	63.8	63.5	63.7	63.7	63.8	64.3	64.0	64.1	64.1	64.3
Employed	100,258	100,343	100,172	99,613	99,581	99,590	99,492	99,340	100,117	99,764	99,732	99,839	99,720
Percent of total population	58.0	58.0	57.9	57.5	57.4	57.3	57.2	57.1	57.5	57.2	57.1	57.1	57.0
Agriculture	3,358	3,378	3,372	3,209	3,411	3,373	3,349	3,309	3,488	3,357	3,460	3,435	3,368
Nonagricultural industries	96,900	96,965	96,800	96,404	96,170	96,217	96,144	96,032	96,629	96,406	96,272	96,404	96,352
Unemployed	8,236	8,669	9,100	9,571	9,298	9,575	9,854	10,307	10,549	10,427	10,790	10,805	11,260
Unemployment rate	7.6	8.0	8.3	8.8	8.5	8.8	9.0	9.4	9.5	9.5	9.8	9.8	10.1
Not in labor force	62,099	61,757	61,724	61,982	62,456	62,324	62,321	62,197	61,360	61,999	61,842	61,867	61,710
Males, 20 years and over													
Total noninstitutional population ¹	74,382	74,502	74,610	74,714	74,810	74,906	75,015	75,121	75,227	75,323	75,429	75,531	75,640
Civilian noninstitutional population ¹	72,670	72,795	72,921	73,020	73,120	73,209	73,287	73,392	73,499	73,585	73,685	73,774	73,867
Civilian labor force	57,262	57,355	57,459	57,665	57,368	57,448	57,554	57,730	58,164	58,016	58,084	58,026	58,407
Percent of civilian population	78.8	78.8	78.8	79.0	78.5	78.5	78.5	78.7	79.1	78.8	78.8	78.7	79.1
Employed	53,693	53,504	53,354	53,122	53,047	53,097	53,006	52,988	53,260	52,985	52,996	52,887	52,828
Percent of total population	72.2	71.8	71.5	71.1	70.9	70.9	70.7	70.5	70.8	70.3	70.3	70.0	69.8
Agriculture	2,383	2,413	2,382	2,311	2,390	2,386	2,377	2,382	2,464	2,424	2,474	2,436	2,447
Nonagricultural industries	51,310	51,091	50,972	50,811	50,657	50,711	50,629	50,606	50,796	50,561	50,522	50,451	50,381
Unemployed	3,569	3,851	4,105	4,543	4,322	4,351	4,548	4,742	4,904	5,031	5,088	5,139	5,579
Unemployment rate	6.2	6.7	7.1	7.9	7.5	7.6	7.9	8.2	8.4	8.7	8.8	8.9	9.6
Not in labor force	15,408	15,440	15,462	15,355	15,752	15,761	15,733	15,662	15,335	15,569	15,601	15,748	15,460
Females, 20 years and over													
Total noninstitutional population ¹	81,546	82,074	82,193	82,306	82,415	82,523	82,640	82,753	82,868	82,976	83,091	83,201	83,320
Civilian noninstitutional population ¹	81,792	81,920	82,038	82,151	82,260	82,367	82,478	82,591	82,707	82,811	82,926	83,035	83,152
Civilian labor force	42,344	42,831	42,987	42,888	42,868	43,031	43,243	43,301	43,683	43,904	44,076	44,115	44,025
Percent of civilian population	51.8	52.3	52.4	52.2	52.1	52.2	52.4	52.4	52.8	53.0	53.2	53.1	52.9
Employed	39,426	39,814	39,878	39,713	39,764	39,744	39,807	39,715	40,075	40,350	40,392	40,490	40,369
Percent of total population	48.1	48.5	48.5	48.3	48.2	48.2	48.2	48.4	48.4	48.6	48.6	48.7	48.5
Agriculture	608	556	635	572	649	628	636	601	634	581	600	589	585
Nonagricultural industries	38,818	39,218	39,243	39,141	39,115	39,116	39,172	39,114	39,441	39,769	39,791	39,901	39,784
Unemployed	2,918	3,017	3,109	3,175	3,104	3,286	3,435	3,586	3,608	3,554	3,684	3,626	3,656
Unemployment rate	6.9	7.0	7.2	7.4	7.2	7.6	7.9	8.3	8.3	8.1	8.4	8.2	8.3
Not in labor force	39,448	39,085	39,051	39,263	39,392	39,336	39,235	39,290	39,024	38,907	38,850	38,920	39,127
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,429	16,390	16,351	16,310	16,269	16,228	16,188	16,146	16,106	16,065	16,024	15,976	15,929
Civilian noninstitutional population ¹	16,131	16,093	16,037	15,995	15,955	15,913	15,902	15,861	15,820	15,794	15,753	15,702	15,671
Civilian labor force	8,888	8,826	8,826	8,631	8,643	8,686	8,549	8,616	8,819	8,271	8,362	8,503	8,548
Percent of civilian population	55.1	54.8	55.0	54.0	54.2	54.6	53.8	54.3	55.7	52.4	53.1	54.2	54.5
Employed	7,139	7,025	6,940	6,778	6,771	6,748	6,679	6,637	6,782	6,429	6,344	6,463	6,523
Percent of total population	43.5	42.9	42.4	41.6	41.6	41.6	41.3	41.1	42.1	40.0	39.6	40.5	41.0
Agriculture	367	369	355	326	373	359	336	326	390	353	386	411	336
Nonagricultural industries	6,772	6,656	6,585	6,452	6,398	6,389	6,343	6,311	6,392	6,076	5,958	6,052	6,187
Unemployed	1,749	1,801	1,886	1,853	1,872	1,938	1,870	1,979	2,037	1,842	2,018	2,040	2,025
Unemployment rate	15.7	20.4	21.4	21.5	21.7	22.3	21.9	23.0	23.1	22.3	24.1	24.0	23.7
Not in labor force	7,243	7,267	7,211	7,364	7,312	7,227	7,353	7,245	7,001	7,523	7,391	7,199	7,123

¹ The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-33 through A-42 will not necessarily add to totals, because of the independent seasonal adjustment of the various series.

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-34. Full- and part-time status of the civilian labor force, seasonally adjusted

[Numbers in thousands]

Full- and part-time status	1981				1982								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
FULL TIME													
Total, 16 years and over:													
Civilian labor force	92,601	93,359	93,607	93,856	93,129	93,421	93,860	93,890	94,619	93,984	94,348	94,404	94,690
Employed	86,044	86,155	86,062	85,729	85,324	85,523	85,505	85,289	85,903	85,112	85,406	85,337	85,091
Unemployed	6,757	7,204	7,545	8,127	7,805	7,897	8,355	8,601	8,717	8,873	8,942	9,067	9,599
Unemployment rate	7.3	7.7	8.1	8.7	8.4	8.5	8.9	9.2	9.2	9.4	9.5	9.6	10.1
PART TIME													
Total, 16 years and over:													
Civilian labor force	15,662	15,690	15,721	15,399	15,853	15,632	15,470	15,836	15,911	16,167	16,215	16,225	16,287
Employed	14,160	14,198	14,125	13,982	14,337	13,951	13,926	14,112	14,237	14,584	14,371	14,552	14,579
Unemployed	1,502	1,492	1,596	1,417	1,515	1,681	1,544	1,724	1,674	1,583	1,844	1,672	1,708
Unemployment rate	9.6	9.5	10.2	9.2	9.6	10.8	10.0	10.9	10.5	9.8	11.4	10.3	10.5

NOTE: 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.

A-35. Employment status by race, sex, and age, seasonally adjusted

[Numbers in thousands]

Race, sex, and age	1981				1982								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
WHITE													
Total, 16 years and over:													
Civilian labor force	94,884	95,365	95,535	95,329	95,120	95,333	95,508	96,015	96,641	96,223	96,493	96,414	96,762
Employed	88,628	88,734	88,498	88,010	87,955	87,990	87,956	87,988	88,450	88,173	88,137	88,133	88,020
Unemployed	6,256	6,631	7,037	7,319	7,165	7,344	7,552	8,026	8,191	8,050	8,356	8,281	8,742
Unemployment rate	6.6	7.0	7.4	7.7	7.5	7.7	7.9	8.4	8.5	8.4	8.7	8.6	9.0
Males, 20 years and over:													
Civilian labor force	50,712	50,811	50,881	50,948	50,757	50,812	50,903	51,124	51,394	51,252	51,292	51,269	51,607
Employed	47,548	47,790	47,649	47,449	47,410	47,430	47,351	47,393	47,535	47,300	47,256	47,202	47,163
Unemployed	2,764	3,021	3,232	3,499	3,347	3,382	3,552	3,731	3,859	3,952	4,037	4,067	4,444
Unemployment rate	5.5	5.9	6.4	6.9	6.6	6.7	7.0	7.3	7.5	7.7	7.9	7.9	8.6
Females, 20 years and over:													
Civilian labor force	36,294	36,742	36,832	36,733	36,698	36,860	37,038	37,179	37,428	37,619	37,845	37,716	37,708
Employed	34,155	34,517	34,513	34,368	34,380	34,427	34,475	34,489	34,682	34,944	35,067	35,033	34,930
Unemployed	2,139	2,225	2,319	2,365	2,319	2,433	2,564	2,690	2,746	2,675	2,777	2,683	2,777
Unemployment rate	5.9	6.1	6.3	6.4	6.3	6.6	6.9	7.2	7.3	7.1	7.3	7.1	7.4
Both sexes, 16 to 19 years:													
Civilian labor force	7,878	7,812	7,822	7,648	7,665	7,662	7,567	7,712	7,819	7,352	7,356	7,429	7,447
Employed	6,525	6,427	6,336	6,193	6,166	6,133	6,130	6,106	6,233	5,929	5,814	5,899	5,927
Unemployed	1,353	1,385	1,486	1,455	1,499	1,529	1,437	1,606	1,586	1,423	1,542	1,530	1,520
Unemployment rate	17.2	17.7	19.0	19.0	19.6	20.0	19.0	20.8	20.3	19.4	21.0	20.6	20.4
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	13,617	13,697	13,757	13,773	13,704	13,857	13,810	13,768	14,097	13,947	14,027	14,232	14,282
Employed	11,607	11,611	11,661	11,610	11,632	11,653	11,515	11,446	11,669	11,560	11,594	11,738	11,687
Unemployed	2,010	2,086	2,096	2,163	2,072	2,204	2,294	2,322	2,429	2,387	2,433	2,494	2,595
Unemployment rate	14.8	15.2	15.2	15.7	15.1	15.9	16.6	16.9	17.2	17.1	17.3	17.5	18.2
Males, 20 years and over:													
Civilian labor force	6,551	6,573	6,595	6,614	6,563	6,649	6,620	6,704	6,759	6,762	6,784	6,797	6,876
Employed	5,715	5,711	5,694	5,647	5,630	5,688	5,622	5,667	5,709	5,688	5,720	5,703	5,662
Unemployed	836	862	901	967	933	961	998	1,037	1,050	1,075	1,063	1,093	1,213
Unemployment rate	12.8	13.1	13.7	14.6	14.2	14.5	15.1	15.5	15.5	15.9	15.7	16.1	17.6
Females, 20 years and over:													
Civilian labor force	6,065	6,096	6,147	6,163	6,152	6,163	6,199	6,145	6,324	6,273	6,247	6,370	6,341
Employed	5,281	5,301	5,359	5,355	5,388	5,338	5,321	5,248	5,407	5,387	5,350	5,474	5,436
Unemployed	804	795	788	808	764	826	878	897	917	887	897	896	905
Unemployment rate	13.2	13.0	12.8	13.1	12.4	13.4	14.2	14.6	14.5	14.1	14.4	14.1	14.3
Both sexes, 16 to 19 years:													
Civilian labor force	981	1,028	1,015	996	989	1,044	991	919	1,014	912	997	1,066	1,066
Employed	611	599	608	608	614	627	573	531	553	486	524	561	589
Unemployed	370	429	407	388	375	417	418	388	461	426	473	505	477
Unemployment rate	37.7	41.7	40.1	39.0	37.9	39.9	42.2	42.2	45.5	46.7	47.4	47.4	44.7

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Category	1981				1982								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
CHARACTERISTIC													
Total (all civilian workers)	7.6	8.0	8.3	8.8	8.5	8.8	9.0	9.4	9.5	9.5	9.8	9.8	10.1
Males, 20 years and over	6.2	6.7	7.1	7.9	7.5	7.6	7.9	8.2	8.4	8.7	8.8	8.9	9.6
Females, 20 years and over	6.9	7.0	7.2	7.4	7.2	7.6	7.9	8.3	8.3	8.1	8.4	8.2	8.3
Both sexes, 16-19 years	19.7	20.4	21.4	21.5	21.7	22.3	21.9	23.0	23.1	22.3	24.1	24.0	23.7
White	6.6	7.0	7.4	7.7	7.5	7.7	7.9	8.4	8.5	8.4	8.7	8.6	9.0
Black and other	14.8	15.2	15.2	15.7	15.1	15.9	16.6	16.9	17.2	17.1	17.3	17.5	18.2
Married men, spouse present	4.4	4.8	5.2	5.7	5.3	5.3	5.5	6.0	6.1	6.5	6.6	6.7	7.3
Married women, spouse present	6.0	6.1	6.5	6.6	6.2	7.0	7.1	7.8	7.4	7.0	7.4	7.1	7.5
Women who maintain families	10.7	10.6	10.8	10.5	10.4	10.2	10.6	11.5	11.8	12.4	12.0	11.6	12.4
Full-time workers	7.3	7.7	8.1	8.7	8.4	8.5	8.9	9.2	9.2	9.4	9.5	9.6	10.1
Part-time workers	9.6	9.5	10.2	9.2	9.6	10.8	10.0	10.9	10.5	9.8	11.4	10.3	10.5
Unemployed 15 weeks and over ¹	2.1	2.1	2.2	2.2	2.2	2.5	2.7	2.7	3.0	3.3	3.2	3.3	3.5
Labor force time lost ²	8.5	9.1	9.5	10.1	10.0	9.8	10.4	10.4	11.1	10.2	10.7	10.7	11.7
OCCUPATION													
White-collar workers	4.1	4.1	4.2	4.5	4.2	4.6	4.8	4.9	4.8	5.0	4.9	4.8	4.8
Professional and technical	2.8	2.6	2.7	3.4	2.9	3.1	3.2	3.2	3.3	3.3	3.3	3.1	3.2
Managers and administrators, except farm	2.7	2.8	3.0	3.1	2.7	3.1	3.0	3.3	3.5	3.8	3.7	3.8	3.6
Sales workers	5.0	4.9	5.0	4.9	4.5	4.8	5.8	5.6	5.2	5.8	5.4	5.5	5.4
Clerical workers	5.8	6.0	6.0	6.2	6.3	6.7	6.9	7.2	6.8	6.9	6.9	6.7	6.7
Blue-collar workers	10.2	10.9	11.8	12.7	12.5	12.5	12.9	13.7	13.5	13.9	14.4	14.2	15.6
Craft and kindred workers	7.7	8.3	8.5	9.3	9.0	8.4	9.1	9.6	9.4	10.3	10.9	10.6	11.4
Operatives, except transport	11.6	12.8	14.1	15.5	15.4	15.4	15.9	16.9	16.5	16.7	17.4	17.5	20.2
Transport equipment operatives	8.7	8.0	10.4	10.5	10.2	10.3	10.4	10.7	11.8	13.0	11.6	12.5	11.6
Nonfarm laborers	14.6	15.6	16.0	16.9	16.9	17.9	17.9	19.2	18.3	17.9	18.6	17.4	19.2
Service workers	9.0	9.3	9.7	9.6	9.2	9.8	10.2	11.1	11.3	9.9	10.5	10.6	10.7
Farm workers	4.0	6.2	6.2	6.4	6.9	4.9	5.4	5.8	8.3	7.2	6.1	6.9	5.1
INDUSTRY													
Nonagricultural private wage and salary workers ³	7.7	8.1	8.4	9.1	8.8	9.0	9.5	9.9	9.9	10.0	10.2	10.1	10.7
Construction	16.3	17.6	17.8	18.1	18.7	18.1	17.9	19.4	18.8	19.2	20.3	20.3	22.6
Manufacturing	7.9	8.6	9.4	11.0	10.4	10.6	10.8	11.3	11.6	12.3	12.0	12.1	13.8
Durable goods	7.7	8.6	9.5	11.8	11.0	11.3	10.8	11.9	12.2	13.2	12.7	12.9	14.9
Nondurable goods	8.3	8.6	9.3	9.6	9.5	9.5	10.8	10.5	10.7	11.0	11.0	10.8	12.3
Transportation	4.2	4.8	5.5	6.0	6.4	5.9	5.6	7.0	6.5	6.9	6.1	7.0	6.9
Wholesale and retail trade	8.5	8.4	8.6	8.9	8.7	9.0	10.3	10.1	10.6	9.7	10.5	9.8	9.8
Finance and service industries	6.0	6.2	6.1	6.4	5.9	6.5	6.9	7.0	6.9	6.8	7.0	7.0	6.8
Government workers	4.7	4.7	5.2	5.0	4.8	5.2	4.9	5.3	5.0	4.6	4.6	4.6	4.9
Agricultural wage and salary workers	11.0	13.4	14.1	14.8	16.2	12.8	14.0	14.6	18.2	16.3	13.8	14.3	12.5

¹ Unemployment as a percent of the civilian labor force.

as a percent of potentially available labor force hours.

² Aggregate hours lost by the unemployed and persons on part-time for economic reasons

³ Includes mining, not shown separately.

A-37. Unemployed persons by duration of unemployment, seasonally adjusted

[Numbers in thousands]

Weeks of unemployment	1981				1982								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
DURATION													
Less than 5 weeks	3,529	3,707	3,852	4,037	3,852	3,789	3,825	3,958	3,874	3,543	3,990	3,923	4,038
5 to 14 weeks	2,585	2,686	2,882	3,016	3,068	3,052	3,078	3,304	3,320	3,458	3,161	3,304	3,595
15 weeks and over	2,248	2,292	2,364	2,372	2,399	2,724	2,954	3,015	3,286	3,673	3,580	3,631	3,870
15 to 26 weeks	1,146	1,166	1,229	1,189	1,210	1,445	1,605	1,508	1,634	1,826	1,792	1,810	1,856
27 weeks and over	1,102	1,126	1,135	1,183	1,190	1,278	1,349	1,507	1,652	1,847	1,788	1,821	2,014
Average (mean) duration, in weeks	13.7	13.6	13.1	12.8	13.5	14.1	13.9	14.2	14.6	16.5	15.6	16.2	16.6
Median duration, in weeks	6.5	6.8	6.9	6.7	7.2	7.3	7.6	8.5	9.0	9.8	8.3	8.2	9.5
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	42.2	42.7	42.3	42.8	41.3	39.6	38.8	38.5	37.0	33.2	37.2	36.1	35.1
5 to 14 weeks	30.9	30.9	31.7	32.0	32.9	31.9	31.2	32.1	31.7	32.4	29.5	30.4	31.3
15 weeks and over	26.9	26.4	26.0	25.2	25.7	28.5	30.0	29.3	31.4	34.4	33.4	33.4	33.6
15 to 26 weeks	13.7	13.4	13.5	12.6	13.0	15.1	16.3	14.7	15.6	17.1	16.7	16.7	16.1
27 weeks and over	13.2	13.0	12.5	12.6	12.8	13.4	13.7	14.7	15.8	17.3	16.7	16.8	17.5

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

Sex and age	1981				1982								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over.....	7.6	8.0	8.3	8.8	8.5	8.8	9.0	9.4	9.5	9.5	9.8	9.8	10.1
16 to 19 years	19.7	20.4	21.4	21.5	21.7	22.3	21.9	23.0	23.1	22.3	24.1	24.0	23.7
16 to 17 years	21.4	21.5	22.6	21.9	21.9	22.7	22.7	24.6	25.3	23.7	26.1	25.8	26.9
18 to 19 years	18.5	20.0	20.5	21.2	21.3	22.0	21.3	21.9	21.3	21.9	22.8	22.6	21.6
20 to 24 years	12.3	12.7	13.0	13.5	13.5	14.1	14.2	14.7	14.3	14.4	14.5	15.2	15.3
25 years and over	5.4	5.7	6.0	6.5	6.3	6.4	6.8	7.0	7.1	7.4	7.5	7.3	7.9
25 to 54 years	5.8	6.2	6.5	6.9	6.7	6.8	7.3	7.4	7.7	7.7	7.9	7.8	8.6
55 years and over	3.8	3.8	3.8	4.1	4.2	4.3	4.6	5.0	4.8	5.4	5.2	5.1	5.1
Males, 16 years and over.....	7.3	7.7	8.3	9.0	8.6	8.7	9.0	9.4	9.6	9.7	9.9	10.0	10.7
16 to 19 years	19.9	20.1	21.8	22.3	22.1	22.5	23.5	24.4	24.0	24.2	25.1	25.1	25.3
16 to 17 years	21.5	21.1	22.7	22.6	23.0	23.0	24.3	24.7	26.3	25.8	28.1	27.3	29.6
18 to 19 years	18.7	19.3	21.0	22.2	21.4	22.1	22.9	24.3	21.9	24.0	23.4	23.4	22.6
20 to 24 years	13.1	13.8	14.4	14.8	14.9	15.4	15.7	16.0	15.5	15.8	15.9	16.6	17.4
25 years and over	5.0	5.5	5.8	6.5	6.3	6.3	6.6	6.9	6.9	7.5	7.5	7.5	8.2
25 to 54 years	5.5	5.9	6.3	6.9	6.7	6.7	7.1	7.2	7.5	8.0	8.1	8.0	9.1
55 years and over	3.5	3.7	3.7	4.4	4.3	4.2	4.8	5.1	4.7	5.0	4.8	5.4	5.4
Females, 16 years and over.....	8.0	8.2	8.4	8.5	8.4	8.9	9.0	9.4	9.5	9.1	9.6	9.5	9.5
16 to 19 years	19.5	20.7	20.9	20.5	21.2	22.1	20.1	21.3	22.1	20.2	23.1	22.8	21.9
16 to 17 years	21.2	21.9	22.5	21.1	20.6	22.5	20.8	24.5	24.1	21.4	24.1	24.2	23.9
18 to 19 years	18.3	20.6	19.9	20.0	21.1	21.9	19.6	19.4	20.6	19.7	22.2	21.7	20.6
20 to 24 years	11.4	11.5	11.3	12.0	11.9	12.7	12.6	13.3	12.9	12.9	12.9	13.7	12.9
25 years and over	6.0	6.1	6.4	6.4	6.3	6.5	7.0	7.2	7.4	7.2	7.4	7.0	7.4
25 to 54 years	6.3	6.5	6.8	6.9	6.7	7.0	7.6	7.7	8.0	7.4	7.7	7.5	8.0
55 years and over	4.3	4.0	3.8	3.7	4.1	4.3	4.3	4.8	5.0	6.0	6.0	4.6	4.7

A-39. Unemployed persons by reason for unemployment, seasonally adjusted

[Numbers in thousands]

Reason for unemployment	1981				1982								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	4,426	4,573	4,905	5,343	5,205	5,153	5,622	5,906	5,901	6,302	6,177	6,347	7,073
On layoff	1,452	1,631	1,826	2,042	1,860	1,740	1,828	1,946	1,969	2,071	2,079	2,180	2,669
Other job losers	2,974	2,942	3,079	3,301	3,345	3,413	3,794	3,959	3,932	4,231	4,098	4,167	4,404
Job leavers	921	976	916	923	835	964	885	937	874	813	813	806	767
Reentrants	2,058	2,178	2,339	2,244	2,079	2,277	2,249	2,365	2,438	2,372	2,528	2,440	2,415
New entrants	577	1,002	996	1,021	1,055	1,100	1,044	1,081	1,154	1,088	1,249	1,328	1,326
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	52.8	52.4	53.6	56.1	56.7	54.3	57.4	57.4	56.9	59.6	57.4	58.1	61.1
On layoff	17.3	18.7	19.9	21.4	20.3	18.3	18.7	18.9	19.0	19.6	19.3	20.0	23.0
Other job losers	35.5	33.7	33.6	34.6	36.5	35.9	38.7	38.5	37.9	40.0	38.1	38.2	38.0
Job leavers	11.0	11.2	10.0	9.7	9.1	10.2	9.0	9.1	8.4	7.7	7.5	7.4	6.6
Reentrants	24.6	25.0	25.5	23.5	22.7	24.0	22.9	23.0	23.5	22.4	23.5	22.3	20.8
New entrants	11.7	11.5	10.9	10.7	11.5	11.6	10.7	10.5	11.1	10.3	11.6	12.2	11.4
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	4.1	4.2	4.5	4.9	4.8	4.7	5.1	5.4	5.3	5.7	5.6	5.7	6.4
Job leavers .....	.8	.9	.8	.8	.8	.9	.8	.9	.8	.7	.7	.7	.7
Reentrants	1.9	2.0	2.1	2.1	1.9	2.1	2.1	2.2	2.2	2.2	2.3	2.2	2.2
New entrants .....	.9	.9	.9	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.2

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-40. Employed persons by sex and age, seasonally adjusted

(In thousands)

Sex and age	1981				1982								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over	100,258	100,343	100,172	99,613	99,581	99,590	99,492	99,340	100,117	99,764	99,732	99,839	99,720
16 to 19 years	7,139	7,025	6,940	6,778	6,771	6,748	6,679	6,637	6,782	6,429	6,344	6,463	6,523
16 to 17 years	2,836	2,765	2,768	2,703	2,705	2,690	2,642	2,610	2,629	2,389	2,342	2,397	2,438
18 to 19 years	4,226	4,260	4,192	4,088	4,065	4,067	4,060	4,027	4,167	4,013	3,998	4,061	4,103
20 to 24 years	14,066	14,078	13,970	13,935	13,816	13,788	13,811	13,730	13,820	13,778	13,723	13,642	13,593
25 years and over	79,028	79,228	79,202	78,881	78,960	79,045	78,978	78,973	79,509	79,598	79,696	79,784	79,587
25 to 54 years	64,676	64,825	64,868	64,567	64,722	64,853	64,648	64,670	65,069	65,197	65,345	65,483	64,980
55 years and over	14,372	14,377	14,332	14,314	14,238	14,158	14,299	14,298	14,449	14,379	14,392	14,327	14,610
Males, 16 years and over	57,471	57,266	57,051	56,725	56,629	56,658	56,472	56,401	56,820	56,223	56,192	56,210	56,148
16 to 19 years	3,778	3,762	3,697	3,603	3,582	3,561	3,466	3,412	3,560	3,238	3,196	3,323	3,320
16 to 17 years	1,533	1,522	1,495	1,448	1,446	1,439	1,387	1,385	1,417	1,237	1,174	1,244	1,222
18 to 19 years	2,266	2,241	2,208	2,163	2,134	2,123	2,094	2,020	2,158	1,985	2,023	2,069	2,112
20 to 24 years	7,523	7,449	7,373	7,380	7,321	7,288	7,246	7,208	7,281	7,194	7,237	7,175	7,097
25 years and over	46,160	46,046	45,940	45,709	45,686	45,786	45,762	45,782	45,967	45,838	45,764	45,744	45,717
25 to 54 years	37,519	37,364	37,364	37,092	37,127	37,235	37,173	37,194	37,351	37,227	37,189	37,269	37,059
55 years and over	8,658	8,621	8,590	8,608	8,582	8,523	8,578	8,591	8,641	8,629	8,576	8,463	8,662
Females, 16 years and over	42,787	43,077	43,121	42,888	42,952	42,932	43,020	42,940	43,297	43,541	43,540	43,630	43,572
16 to 19 years	3,361	3,263	3,243	3,175	3,189	3,187	3,213	3,225	3,222	3,191	3,148	3,140	3,203
16 to 17 years	1,303	1,247	1,273	1,255	1,259	1,251	1,255	1,225	1,212	1,152	1,168	1,153	1,216
18 to 19 years	2,060	2,019	1,984	1,925	1,931	1,944	1,966	2,007	2,009	2,028	1,975	1,992	1,991
20 to 24 years	6,563	6,629	6,597	6,555	6,495	6,500	6,565	6,523	6,539	6,584	6,486	6,467	6,496
25 years and over	32,868	33,182	33,262	33,172	33,274	33,259	33,216	33,192	33,542	33,760	33,932	34,040	33,870
25 to 54 years	27,157	27,423	27,504	27,475	27,595	27,618	27,475	27,476	27,718	27,970	28,155	28,214	27,921
55 years and over	5,714	5,756	5,747	5,724	5,701	5,635	5,721	5,707	5,808	5,750	5,816	5,863	5,948

A-41. Unemployed persons by sex and age, seasonally adjusted

(In thousands)

Sex and age	1981				1982								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over	8,236	8,669	8,100	9,571	9,298	9,575	9,854	10,307	10,549	10,427	10,790	10,805	11,260
16 to 19 years	1,749	1,801	1,886	1,853	1,872	1,938	1,870	1,979	2,037	1,842	2,018	2,040	2,025
16 to 17 years	772	757	808	759	760	792	775	851	891	742	829	834	896
18 to 19 years	983	1,062	1,080	1,098	1,098	1,149	1,099	1,130	1,126	1,126	1,182	1,184	1,133
20 to 24 years	1,572	2,054	2,088	2,168	2,161	2,271	2,293	2,374	2,303	2,321	2,335	2,454	2,458
25 years and over	4,540	4,828	5,091	5,481	5,282	5,401	5,748	5,962	6,095	6,326	6,428	6,288	6,799
25 to 54 years	4,010	4,255	4,536	4,804	4,649	4,756	5,066	5,186	5,428	5,474	5,625	5,543	6,112
55 years and over	572	574	562	620	624	630	691	752	732	824	797	770	789
Males, 16 years and over	4,506	4,798	5,133	5,578	5,338	5,384	5,610	5,846	6,029	6,065	6,161	6,250	6,704
16 to 19 years	537	547	1,028	1,035	1,016	1,033	1,062	1,104	1,125	1,034	1,073	1,111	1,125
16 to 17 years	421	408	438	424	433	429	445	454	506	429	458	466	514
18 to 19 years	521	537	587	616	581	604	621	647	606	628	618	633	616
20 to 24 years	1,131	1,154	1,245	1,278	1,284	1,324	1,346	1,377	1,333	1,347	1,371	1,426	1,495
25 years and over	2,455	2,670	2,834	3,199	3,055	3,071	3,247	3,383	3,422	3,726	3,698	3,726	4,103
25 to 54 years	2,173	2,346	2,522	2,762	2,662	2,675	2,820	2,895	3,031	3,225	3,265	3,259	3,691
55 years and over	317	333	333	397	383	377	431	461	428	457	428	485	493
Females, 16 years and over	3,730	3,871	3,967	3,993	3,960	4,191	4,243	4,461	4,520	4,362	4,629	4,555	4,556
16 to 19 years	112	154	858	818	856	905	808	875	912	808	945	929	900
16 to 17 years	351	345	370	335	327	363	330	397	385	313	371	368	382
18 to 19 years	462	525	493	482	517	545	478	483	520	498	564	551	517
20 to 24 years	441	660	843	890	877	947	947	998	969	974	964	1,028	963
25 years and over	2,085	2,158	2,257	2,282	2,228	2,330	2,501	2,578	2,673	2,600	2,730	2,562	2,696
25 to 54 years	1,837	1,909	2,014	2,042	1,987	2,081	2,246	2,291	2,397	2,249	2,360	2,284	2,421
55 years and over	255	241	229	223	241	253	260	291	304	367	369	285	296

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-42. Employed persons by selected social and economic categories, seasonally adjusted

[In thousands]

Category	1981				1982								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
CHARACTERISTIC													
Total, 16 years and over	100258	100343	100172	99,613	99,581	99,590	99,492	99,340	100117	99,764	99,732	99,839	99,720
Married men, spouse present	38,655	38,746	38,553	38,342	38,234	38,255	38,181	38,142	38,312	38,354	38,213	38,184	38,041
Married women, spouse present	23,626	23,874	23,820	23,691	23,744	23,727	23,900	23,831	24,213	24,401	24,223	24,300	24,187
OCCUPATION													
White-collar workers	52,568	53,199	53,086	53,084	52,836	52,841	52,763	53,177	53,705	53,586	53,685	53,750	53,876
Professional and technical Managers and administrators, except farm	16,598	16,681	16,657	16,774	16,803	16,612	16,659	16,844	16,818	17,053	17,292	17,023	16,901
Sales workers	11,533	11,616	11,461	11,424	11,091	11,253	11,311	11,501	11,541	11,504	11,355	11,613	11,649
Clerical workers	6,441	6,400	6,418	6,450	6,520	6,544	6,637	6,603	6,587	6,547	6,567	6,677	6,507
Blue-collar workers	18,336	18,502	18,550	18,436	18,423	18,432	18,155	18,229	18,759	18,482	18,471	18,437	18,819
Craft and kindred workers	31,266	30,953	30,683	30,344	30,203	30,309	30,416	29,924	29,926	29,716	29,609	29,465	29,143
Operatives, except transport Transport equipment operatives	12,514	12,446	12,411	12,446	12,370	12,454	12,511	12,492	12,316	12,207	12,229	12,342	12,253
Nonfarm laborers	10,524	10,410	10,220	10,169	9,966	9,955	9,860	9,688	9,585	9,655	9,453	9,257	8,938
Service workers	3,506	3,580	3,438	3,368	3,415	3,503	3,397	3,400	3,419	3,414	3,439	3,268	3,369
Farm workers	4,722	4,517	4,614	4,361	4,451	4,397	4,648	4,343	4,607	4,441	4,488	4,598	4,583
MAJOR INDUSTRY AND CLASS OF WORKER	13,351	13,525	13,670	13,639	13,709	13,612	13,526	13,555	13,738	13,791	13,634	13,926	14,029
Agriculture:	2,743	2,770	2,802	2,660	2,817	2,787	2,710	2,623	2,731	2,660	2,750	2,711	2,714
Wage and salary workers	1,461	1,502	1,436	1,352	1,377	1,426	1,416	1,423	1,541	1,431	1,530	1,568	1,538
Self-employed workers	1,643	1,631	1,641	1,602	1,674	1,596	1,644	1,664	1,698	1,676	1,674	1,613	1,562
Unpaid family workers	256	261	321	228	380	359	277	270	236	251	250	254	255
Nonagricultural industries:													
Wage and salary workers	89,376	89,460	89,238	88,991	88,759	88,586	88,526	88,322	89,051	88,606	88,541	88,737	88,650
Government	15,475	15,491	15,397	15,585	15,578	15,527	15,492	15,453	15,422	15,635	15,443	15,569	15,691
Private industries	73,501	73,969	73,841	73,406	73,181	73,059	73,034	72,869	73,629	72,970	73,098	73,168	72,959
Private households	1,102	1,162	1,204	1,291	1,248	1,161	1,225	1,192	1,202	1,201	1,200	1,242	1,229
Other industries	72,799	72,807	72,637	72,115	71,932	71,898	71,809	71,677	72,427	71,770	71,898	71,927	71,730
Self-employed workers	7,217	7,152	7,141	7,057	6,971	7,055	7,126	7,264	7,269	7,319	7,268	7,352	7,478
Unpaid family workers	399	451	425	410	410	408	434	413	382	397	390	409	372
PERSONS AT WORK¹													
Nonagricultural industries	50,878	51,384	51,323	50,922	50,125	50,892	50,548	50,596	51,282	51,020	50,501	50,508	51,054
Full-time schedules	73,794	73,886	73,915	73,360	72,803	73,028	72,649	72,335	73,036	72,662	72,430	72,112	71,700
Part-time for economic reasons	4,656	5,009	5,026	5,288	5,071	5,563	5,717	5,834	5,763	5,444	5,492	5,646	6,600
Usually work full-time	1,755	2,006	1,945	2,121	1,783	2,193	2,237	2,223	2,211	2,064	2,001	2,054	2,571
Usually work part-time	2,897	3,003	3,081	3,167	3,287	3,370	3,480	3,611	3,552	3,380	3,491	3,594	4,029
Part time for noneconomic reasons	12,428	12,489	12,382	12,274	12,251	12,300	12,183	12,427	12,483	12,914	12,579	12,748	12,754

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

A-43. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Not seasonally adjusted									
	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
							Number		Percent of labor force	
Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	Sept. 1981	Sept. 1982	
VETERANS										
Total, 25 years and over	8,596	8,711	8,178	8,210	7,789	7,589	389	621	4.8	7.6
25 to 39 years	7,316	7,688	7,047	6,790	6,706	6,245	341	545	4.8	8.0
25 to 29 years	1,440	1,152	1,337	1,090	1,248	965	89	125	6.7	11.5
30 to 34 years	2,259	2,847	3,161	2,719	3,019	2,490	142	229	4.5	8.4
35 to 39 years	2,617	3,089	2,549	2,981	2,439	2,790	110	191	4.3	6.4
40 years and over	1,282	1,623	1,131	1,420	1,083	1,344	48	76	4.2	5.4
NONVETERANS										
Total, 25 to 39 years	17,416	18,415	16,475	17,440	15,551	15,843	924	1,597	5.6	9.2
25 to 29 years	7,931	8,225	7,483	7,748	6,997	6,926	486	822	6.5	10.6
30 to 34 years	5,595	6,075	5,319	5,782	5,026	5,298	293	484	5.5	8.4
35 to 39 years	3,890	4,111	3,673	3,910	3,528	3,619	145	291	3.9	7.4

NOTE: Vietnam-era veterans are males who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are males 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
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, age, and race	1979		1980				1981				1982		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
TOTAL													
Total noninstitutional population ¹	167,287	168,146	168,848	169,506	170,222	170,816	171,403	171,966	172,567	173,150	173,665	174,195	174,713
Armed Forces ¹	2,086	2,091	2,086	2,091	2,111	2,121	2,124	2,129	2,155	2,160	2,168	2,175	2,192
Civilian noninstitutional population ¹	165,200	166,055	166,762	167,415	168,111	168,693	169,279	169,837	170,413	170,990	171,497	172,020	172,522
Civilian labor force	105,264	105,572	106,454	106,771	107,204	107,523	108,107	108,835	108,667	109,156	109,130	110,168	110,715
Percent of civilian population	63.7	63.8	63.8	63.8	63.8	63.7	63.9	64.1	63.8	63.8	63.6	64.0	64.2
Employed	99,112	99,653	99,784	98,953	99,006	99,498	100,125	100,784	100,654	100,043	99,554	99,740	99,764
Percent of total population	59.2	59.3	59.1	58.4	58.2	58.2	58.4	58.6	58.3	57.8	57.3	57.3	57.1
Agriculture	3,371	3,377	3,374	3,331	3,349	3,406	3,378	3,408	3,368	3,320	3,378	3,385	3,421
Nonagricultural industries	95,741	96,275	96,411	95,622	95,657	96,092	96,747	97,377	97,286	96,723	96,177	96,355	96,343
Unemployed	6,152	6,319	6,670	7,818	8,198	8,025	7,982	8,050	8,013	9,113	9,576	10,428	10,952
Unemployment rate	5.8	6.0	6.3	7.3	7.6	7.5	7.4	7.4	7.4	8.3	8.8	9.5	9.9
Males, 20 years and over													
Total noninstitutional population ¹	71,548	71,564	72,293	72,620	72,984	73,309	73,609	73,928	74,272	74,609	74,910	75,224	75,533
Civilian noninstitutional population ¹	69,867	70,291	70,640	70,963	71,313	71,634	71,946	72,251	72,567	72,912	73,205	73,492	73,775
Civilian labor force	55,753	55,558	56,221	56,404	56,602	56,770	56,882	57,243	57,228	57,493	57,457	57,970	58,172
Percent of civilian population	79.8	75.6	79.6	79.5	79.4	79.3	79.1	79.2	78.9	78.9	78.5	78.9	78.9
Employed	53,437	53,498	53,478	52,887	52,849	53,211	53,448	53,767	53,786	53,327	53,050	53,078	52,904
Percent of total population	74.7	74.3	74.0	72.8	72.4	72.6	72.6	72.7	72.4	71.5	70.8	70.6	70.0
Agriculture	2,405	2,431	2,449	2,374	2,372	2,391	2,370	2,396	2,396	2,369	2,384	2,423	2,452
Nonagricultural industries	51,032	51,067	51,029	50,514	50,477	50,820	51,078	51,371	51,390	50,958	50,666	50,654	50,451
Unemployed	2,316	2,461	2,743	3,517	3,753	3,559	3,435	3,476	3,442	4,166	4,407	4,892	5,268
Unemployment rate	4.2	4.4	4.9	6.2	6.6	6.3	6.0	6.1	6.0	7.2	7.7	8.4	9.1
Females, 20 years and over													
Total noninstitutional population ¹	78,799	79,248	79,631	79,998	80,400	80,754	81,108	81,458	81,826	82,191	82,526	82,866	83,204
Civilian noninstitutional population ¹	78,679	79,126	79,506	79,869	80,266	80,616	80,966	81,312	81,675	82,036	82,368	82,703	83,037
Civilian labor force	39,949	40,381	40,719	40,973	41,257	41,492	41,986	42,507	42,564	42,902	43,047	43,629	44,072
Percent of civilian population	50.8	51.0	51.2	51.3	51.4	51.5	51.9	52.3	52.1	52.3	52.3	52.8	53.1
Employed	37,669	38,085	38,351	38,349	38,564	38,714	39,202	39,677	39,692	39,802	39,772	40,047	40,417
Percent of total population	47.8	48.1	48.2	47.9	48.0	47.9	48.3	48.7	48.5	48.4	48.2	48.3	48.6
Unemployed	2,280	2,295	2,368	2,624	2,693	2,778	2,785	2,830	2,872	3,100	3,275	3,583	3,656
Unemployment rate	5.7	5.7	5.8	6.4	6.5	6.7	6.6	6.7	6.7	7.2	7.6	8.2	8.3
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,942	16,533	16,924	16,888	16,837	16,752	16,686	16,580	16,469	16,350	16,228	16,106	15,976
Civilian noninstitutional population ¹	16,653	16,637	16,616	16,584	16,532	16,442	16,367	16,275	16,171	16,042	15,923	15,825	15,709
Civilian labor force	9,562	9,633	9,513	9,394	9,345	9,260	9,238	9,084	8,875	8,761	8,626	8,569	8,471
Percent of civilian population	57.4	57.9	57.3	56.6	56.5	56.3	56.4	55.8	54.9	54.6	54.2	54.1	53.9
Employed	8,005	8,070	7,955	7,717	7,593	7,573	7,476	7,341	7,176	6,914	6,733	6,616	6,444
Percent of total population	47.3	47.7	47.0	45.7	45.1	45.2	44.8	44.3	43.6	42.3	41.5	41.1	40.3
Unemployed	1,556	1,563	1,558	1,677	1,752	1,687	1,762	1,744	1,699	1,847	1,893	1,953	2,028
Unemployment rate	16.3	16.2	16.4	17.9	18.7	18.2	19.1	19.2	19.1	21.1	21.9	22.8	23.9
White													
Total noninstitutional population ¹	145,626	146,529	146,926	147,469	148,068	148,528	148,779	149,305	149,816	150,302	150,599	150,969	151,259
Civilian noninstitutional population ¹	144,184	144,995	145,308	145,855	146,439	146,889	147,148	147,671	148,164	148,650	148,943	149,309	149,586
Civilian labor force	92,144	92,795	93,277	93,550	93,738	94,016	94,547	95,251	95,058	95,410	95,320	96,293	96,556
Percent of civilian population	63.9	64.0	64.2	64.1	64.0	64.0	64.3	64.5	64.2	64.2	64.0	64.5	64.5
Employed	87,422	87,558	88,183	87,466	87,388	87,846	88,381	89,039	89,006	88,414	87,967	88,204	88,097
Percent of total population	59.9	60.0	60.0	59.3	59.0	59.1	59.4	59.6	59.4	58.8	58.4	58.4	58.2
Unemployed	4,722	4,837	5,094	6,084	6,350	6,170	6,166	6,212	6,051	6,996	7,354	8,089	8,459
Unemployment rate	5.1	5.2	5.5	6.5	6.8	6.6	6.5	6.5	6.4	7.3	7.7	8.4	8.8
Black and other													
Total noninstitutional population ¹	21,462	21,618	21,923	22,036	22,154	22,288	22,624	22,661	22,751	22,849	23,066	23,226	23,455
Civilian noninstitutional population ¹	21,015	21,160	21,454	21,561	21,671	21,805	22,131	22,166	22,249	22,341	22,554	22,711	22,936
Civilian labor force	13,095	13,187	13,175	13,251	13,458	13,489	13,530	13,616	13,596	13,742	13,790	13,938	14,181
Percent of civilian population	62.3	62.3	61.4	61.5	62.1	61.9	61.1	61.4	61.1	61.5	61.1	61.4	61.8
Employed	11,667	11,705	11,616	11,496	11,606	11,632	11,744	11,750	11,634	11,627	11,600	11,558	11,673
Percent of total population	54.4	54.1	53.0	52.2	52.4	52.2	51.9	51.9	51.1	50.9	50.3	49.8	49.8
Unemployed	1,428	1,482	1,559	1,755	1,853	1,857	1,786	1,865	1,962	2,115	2,190	2,379	2,507
Unemployment rate	10.9	11.2	11.8	13.2	13.8	13.8	13.2	13.7	14.4	15.4	15.9	17.1	17.7

¹ The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-44 through A-53 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-45. 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	1979		1980				1981				1982		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
FULL TIME													
Total, 16 years and over:													
Civilian labor force	89,725	90,364	90,601	91,193	91,559	92,001	92,402	92,892	92,850	93,607	93,470	94,165	94,481
Employed ¹	84,516	85,391	85,297	84,786	84,735	85,310	85,835	86,342	86,343	85,982	85,451	85,435	85,278
Unemployed	4,809	4,973	5,305	6,407	6,824	6,691	6,567	6,550	6,507	7,625	8,019	8,730	9,203
Unemployment rate	5.4	5.5	5.9	7.0	7.5	7.3	7.1	7.1	7.0	8.1	8.6	9.3	9.7
Males, 20 years and over:													
Civilian labor force	52,507	53,099	53,216	53,506	53,790	53,944	53,950	54,387	54,330	54,633	54,450	54,923	55,072
Employed ¹	50,774	50,809	50,662	50,221	50,197	50,552	50,715	51,145	51,110	50,696	50,275	50,332	50,071
Unemployed	2,134	2,289	2,554	3,285	3,593	3,393	3,235	3,242	3,222	3,937	4,175	4,592	5,002
Unemployment rate	4.0	4.3	4.8	6.1	6.7	6.3	6.0	6.0	5.9	7.2	7.7	8.4	9.1
Females, 20 years and over:													
Civilian labor force	31,633	32,028	32,261	32,663	32,847	33,120	33,549	33,780	33,886	34,298	34,397	34,888	35,153
Employed ¹	29,631	30,231	30,403	30,521	30,626	30,804	31,225	31,465	31,556	31,681	31,671	31,884	32,123
Unemployed	1,803	1,797	1,858	2,142	2,221	2,316	2,323	2,314	2,330	2,618	2,727	3,004	3,030
Unemployment rate	5.7	5.6	5.8	6.6	6.8	7.0	6.9	6.9	6.9	7.6	7.9	8.6	8.6
Both sexes, 16-19 years:													
Civilian labor force	5,184	5,237	5,123	5,023	4,922	4,936	4,904	4,725	4,632	4,675	4,622	4,353	4,254
Employed ¹	4,312	4,350	4,232	4,044	3,912	3,954	3,895	3,732	3,677	3,605	3,505	3,219	3,084
Unemployed	872	887	893	980	1,010	982	1,009	994	956	1,070	1,117	1,134	1,170
Unemployment rate	16.8	16.9	17.4	19.5	20.5	19.9	20.6	21.0	20.6	22.9	24.2	26.1	27.5
PART TIME													
Total, 16 years and over:													
Civilian labor force	15,595	15,608	15,813	15,566	15,736	15,529	15,670	15,917	15,847	15,603	15,652	15,971	16,242
Employed ¹	14,251	14,264	14,443	14,180	14,365	14,179	14,242	14,437	14,341	14,102	14,072	14,311	14,501
Unemployed	1,344	1,344	1,371	1,386	1,371	1,350	1,427	1,480	1,506	1,502	1,580	1,660	1,741
Unemployment rate	8.6	8.6	8.7	8.9	8.7	8.7	9.1	9.3	9.5	9.6	10.1	10.4	10.7
Males, 20 years and over:													
Civilian labor force	2,835	2,871	2,948	2,921	2,821	2,846	2,887	2,876	2,904	2,876	2,947	3,029	3,115
Employed ¹	2,641	2,693	2,761	2,720	2,642	2,665	2,685	2,673	2,664	2,638	2,705	2,773	2,843
Unemployed	195	178	187	201	179	181	202	203	240	238	242	256	273
Unemployment rate	6.9	6.2	6.3	6.9	6.4	6.4	7.0	7.1	8.3	8.3	8.2	8.4	8.7
Females, 20 years and over:													
Civilian labor force	8,342	8,335	8,478	8,294	8,419	8,355	8,455	8,715	8,688	8,594	8,670	8,728	8,943
Employed ¹	7,875	7,845	7,962	7,807	7,964	7,891	7,984	8,192	8,158	8,108	8,110	8,145	8,319
Unemployed	467	490	517	487	455	464	471	524	530	486	559	583	625
Unemployment rate	5.6	5.9	6.1	5.9	5.4	5.6	5.6	6.0	6.1	5.7	6.5	6.7	7.0
Both sexes, 16-19 years:													
Civilian labor force	4,417	4,402	4,387	4,351	4,496	4,328	4,328	4,326	4,255	4,133	4,035	4,215	4,183
Employed ¹	3,735	3,726	3,720	3,652	3,759	3,623	3,573	3,572	3,518	3,356	3,256	3,392	3,339
Unemployed	682	676	667	699	737	704	754	753	736	777	779	822	844
Unemployment rate	15.4	15.4	15.2	16.1	16.4	16.3	17.4	17.4	17.3	18.8	19.3	19.5	20.2

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**

A-46. Employment status by race, sex, and age, seasonally adjusted

[Numbers in thousands]

Employment status, race, sex, and age	1979		1980				1981				1982		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
WHITE													
Total, 16 years and over:													
Civilian labor force	92,144	92,795	93,277	93,550	93,738	94,016	94,547	95,251	95,058	95,410	95,320	96,293	96,556
Employed	87,422	87,958	88,183	87,466	87,388	87,846	88,381	89,039	89,006	88,414	87,967	88,204	88,097
Unemployed	4,722	4,837	5,094	6,084	6,350	6,170	6,166	6,212	6,051	6,996	7,354	8,089	8,459
Unemployment rate	5.1	5.2	5.5	6.5	6.8	6.6	6.5	6.5	6.4	7.3	7.7	8.4	8.8
Males, 20 years and over:													
Civilian labor force	49,406	49,587	49,863	50,062	50,148	50,289	50,383	50,757	50,704	50,880	50,824	51,257	51,389
Employed	47,554	47,684	47,739	47,282	47,189	47,480	47,665	48,034	48,052	47,629	47,397	47,410	47,207
Unemployed	1,812	1,903	2,124	2,780	2,959	2,809	2,718	2,723	2,652	3,251	3,427	3,847	4,183
Unemployment rate	3.7	3.8	4.3	5.6	5.9	5.6	5.4	5.4	5.2	6.4	6.7	7.5	8.1
Females, 20 years and over:													
Civilian labor force	34,263	34,639	34,960	35,143	35,332	35,528	35,979	36,454	36,487	36,769	36,865	37,409	37,756
Employed	32,562	32,913	33,174	33,169	33,289	33,472	33,910	34,341	34,390	34,466	34,427	34,705	35,010
Unemployed	1,701	1,726	1,786	1,975	2,043	2,056	2,068	2,113	2,097	2,303	2,438	2,704	2,746
Unemployment rate	5.0	5.0	5.1	5.6	5.8	5.8	5.7	5.8	5.7	6.3	6.6	7.2	7.3
Both sexes, 16 to 19 years:													
Civilian labor force	8,475	8,569	8,454	8,345	8,257	8,198	8,185	8,040	7,867	7,761	7,631	7,628	7,411
Employed	7,266	7,361	7,270	7,015	6,910	6,893	6,806	6,664	6,565	6,319	6,143	6,089	5,880
Unemployed	1,208	1,208	1,184	1,330	1,347	1,305	1,379	1,376	1,303	1,442	1,488	1,538	1,531
Unemployment rate	14.3	14.1	14.0	15.9	16.3	15.9	16.9	17.1	16.6	18.6	19.5	20.2	20.7
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	13,095	13,187	13,175	13,251	13,458	13,489	13,530	13,616	13,596	13,742	13,790	13,938	14,181
Employed	11,667	11,705	11,616	11,496	11,606	11,632	11,744	11,750	11,634	11,627	11,600	11,558	11,673
Unemployed	1,428	1,482	1,559	1,755	1,853	1,857	1,786	1,865	1,962	2,115	2,190	2,379	2,507
Unemployment rate	10.9	11.2	11.8	13.2	13.8	13.8	13.2	13.7	14.4	15.4	15.9	17.1	17.7
Males, 20 years and over:													
Civilian labor force	6,347	6,356	6,345	6,364	6,463	6,467	6,484	6,508	6,530	6,594	6,611	6,742	6,819
Employed	5,832	5,801	5,733	5,628	5,652	5,716	5,784	5,752	5,727	5,684	5,647	5,688	5,695
Unemployed	515	556	611	736	811	751	700	756	803	910	964	1,054	1,123
Unemployment rate	8.1	8.7	9.6	11.6	12.5	11.6	10.8	11.6	12.3	13.8	14.6	15.6	16.5
Females, 20 years and over:													
Civilian labor force	5,677	5,756	5,756	5,837	5,916	5,962	5,992	6,060	6,078	6,135	6,171	6,247	6,319
Employed	5,103	5,188	5,181	5,174	5,270	5,241	5,286	5,327	5,305	5,338	5,349	5,347	5,420
Unemployed	574	568	574	663	646	721	706	732	773	797	823	900	899
Unemployment rate	10.1	9.9	10.0	11.4	10.9	12.1	11.8	12.1	12.7	13.0	13.3	14.4	14.2
Both sexes, 16 to 19 years:													
Civilian labor force	1,071	1,075	1,075	1,050	1,080	1,060	1,054	1,048	988	1,013	1,008	948	1,043
Employed	732	717	701	695	684	676	673	671	602	605	605	523	558
Unemployed	339	358	374	355	396	384	381	377	386	408	403	425	485
Unemployment rate	31.6	33.3	34.8	33.8	36.6	36.2	36.1	36.0	39.0	40.3	40.0	44.8	46.5

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-47. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Category	1979		1980				1981				1982		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
CHARACTERISTIC													
Total (all civilian workers)	5.8	6.0	6.3	7.3	7.6	7.5	7.4	7.4	7.4	8.3	8.8	9.5	9.9
Males, 20 years and over	4.2	4.4	4.9	6.2	6.6	6.3	6.0	6.1	6.0	7.2	7.7	8.4	9.1
Females, 20 years and over	5.7	5.7	5.8	6.4	6.5	6.7	6.6	6.7	6.7	7.2	7.6	8.2	8.3
Both sexes, 16-19 years	16.3	16.2	16.4	17.9	18.7	18.2	19.1	19.2	19.1	21.1	21.9	22.8	23.9
White	5.1	5.2	5.5	6.5	6.8	6.6	6.5	6.5	6.4	7.3	7.7	8.4	8.8
Black and other	10.9	11.2	11.8	13.2	13.8	13.8	13.2	13.7	14.4	15.4	15.9	17.1	17.7
Married men, spouse present	2.8	3.0	3.4	4.4	4.8	4.4	4.1	4.0	4.1	5.2	5.4	6.2	6.9
Married women, spouse present	5.1	5.1	5.3	5.9	6.1	5.9	5.9	5.8	5.7	6.4	6.8	7.4	7.3
Women who maintain families	8.1	8.4	8.8	8.7	9.1	10.1	9.9	10.3	10.7	10.6	10.4	11.9	12.0
Full-time workers	5.4	5.5	5.9	7.0	7.5	7.3	7.1	7.1	7.0	8.1	8.6	9.3	9.7
Part-time workers	8.6	8.6	8.7	8.9	8.7	8.7	9.1	9.3	9.5	9.6	10.1	10.4	10.7
Unemployed 15 weeks and over ¹	1.1	1.2	1.3	1.6	2.0	2.2	2.2	2.1	2.0	2.1	2.5	3.0	3.3
Labor force time lost ²	6.3	6.5	6.8	8.1	8.3	8.3	8.2	8.2	8.1	9.6	10.1	10.6	11.0
OCCUPATION													
White-collar workers	3.4	3.3	3.4	3.7	3.8	3.9	3.9	4.0	4.0	4.3	4.5	4.9	4.8
Professional and technical	2.5	2.4	2.3	2.5	2.5	2.6	2.7	2.9	2.7	2.9	3.1	3.3	3.2
Managers and administrators, except farm	2.2	2.1	2.2	2.5	2.5	2.5	2.5	2.6	2.7	2.9	2.9	3.5	3.7
Sales workers	3.8	3.8	4.3	4.6	4.2	4.5	4.2	4.4	4.9	4.9	5.0	5.6	5.4
Clerical workers	4.7	4.6	4.7	5.3	5.5	5.6	5.6	5.6	5.7	6.1	6.6	6.9	6.8
Blue-collar workers	7.0	7.5	8.2	10.5	11.1	10.6	10.1	9.8	9.7	11.8	12.6	13.7	14.7
Craft and kindred workers	4.4	4.8	5.3	7.1	7.6	7.1	7.1	7.1	7.2	8.7	8.8	9.7	11.0
Operatives, except transport	8.6	9.2	9.8	13.0	13.5	12.9	12.0	11.5	11.3	14.1	15.6	16.7	18.4
Transport equipment operatives	5.6	5.6	6.9	9.0	10.0	9.9	8.9	8.1	8.0	9.6	10.3	11.8	11.9
Nonfarm laborers	11.0	11.7	12.8	15.0	15.8	14.8	14.7	14.1	14.0	16.2	17.6	18.5	18.4
Service workers	7.0	6.9	7.2	8.0	8.3	8.2	8.4	9.0	8.6	9.5	9.7	10.8	10.6
Farm workers	4.1	4.5	4.3	4.8	4.9	4.3	5.0	5.1	4.7	6.3	5.8	7.1	6.0
INDUSTRY													
Nonagricultural private wage and salary workers ³	5.8	5.9	6.3	7.7	7.9	7.7	7.5	7.4	7.4	8.5	9.1	9.9	10.3
Construction	9.4	10.6	12.0	15.3	16.1	14.2	14.0	15.4	15.9	17.8	18.2	19.1	21.1
Manufacturing	5.8	6.1	6.8	9.0	9.4	9.0	8.4	7.6	7.4	9.7	10.6	11.7	12.6
Durable goods	5.2	5.8	6.7	9.8	10.1	9.2	8.4	7.3	7.1	10.0	11.0	12.4	13.5
Nondurable goods	6.8	6.5	6.9	8.0	8.3	8.6	8.4	8.1	7.9	9.2	9.9	10.7	11.3
Transportation and public utilities	3.8	4.2	4.2	4.9	5.6	5.2	5.7	5.4	4.4	5.5	6.0	6.8	6.7
Wholesale and retail trade	6.5	6.4	6.6	7.5	7.7	7.9	7.7	7.8	8.1	8.6	9.3	10.1	10.1
Finance and service industries	5.0	4.8	4.8	5.4	5.6	5.6	5.8	5.8	5.8	6.2	6.5	6.9	6.9
Government workers	3.6	3.9	4.0	4.0	4.2	4.3	4.4	4.7	4.6	5.0	4.9	5.0	4.7
Agricultural wage and salary workers	9.8	10.0	10.0	11.4	11.7	10.8	11.8	11.2	11.3	14.1	14.3	16.4	13.5

¹ Unemployment as a percent of the civilian labor force.

² as a percent of potentially available labor force hours.

² Aggregate hours lost by the unemployed and persons on part-time for economic reasons

³ Includes mining, not shown separately.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-48. Unemployed persons by duration of unemployment, seasonally adjusted

[Numbers in thousands]

Weeks of unemployment	1979		1980				1981				1982		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
DURATION													
Both sexes, 16 years and over:													
Less than 5 weeks	3,047	3,046	3,132	3,498	3,351	3,196	3,278	3,290	3,393	3,865	3,822	3,792	3,984
5 to 14 weeks	1,544	1,994	2,163	2,636	2,685	2,455	2,370	2,500	2,455	2,861	3,066	3,361	3,353
15 weeks and over	1,163	1,245	1,385	1,745	2,146	2,347	2,327	2,260	2,212	2,343	2,692	3,325	3,694
15 to 26 weeks	653	705	825	1,012	1,229	1,235	1,084	1,112	1,107	1,195	1,420	1,656	1,819
27 weeks and over	510	540	560	733	917	1,113	1,243	1,148	1,105	1,148	1,272	1,669	1,875
Average (mean duration, in weeks)	10.5	10.6	10.7	11.2	12.4	13.4	14.1	13.8	14.0	13.2	13.8	15.1	16.1
Median duration, in weeks	5.4	5.5	5.7	6.1	7.3	7.4	7.2	7.2	7.0	6.8	7.4	9.1	8.7
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	45.5	48.5	46.9	44.4	41.0	40.0	41.1	40.9	42.1	42.6	39.9	36.2	36.1
5 to 14 weeks	31.6	31.7	32.4	33.5	32.8	30.7	29.7	31.1	30.5	31.5	32.0	32.1	30.4
15 weeks and over	18.9	19.8	20.7	22.2	26.2	29.3	29.2	28.1	27.4	25.8	28.1	31.7	33.5
15 to 26 weeks	10.6	11.2	12.4	12.8	15.0	15.4	13.6	13.8	13.7	13.2	14.8	15.8	16.5
27 weeks and over	8.3	8.6	8.4	9.3	11.2	13.9	15.6	14.3	13.7	12.7	13.3	15.9	17.0

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

Sex and age	1979		1980				1981				1982		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
Total, 16 years and over	5.8	6.0	6.3	7.3	7.6	7.5	7.4	7.4	7.4	8.3	8.8	9.5	9.9
16 to 19 years	16.3	16.2	16.4	17.9	18.7	18.2	19.1	19.2	19.1	21.1	21.9	22.8	23.9
16 to 17 years	17.6	18.0	18.5	19.9	21.2	20.6	21.2	21.8	20.7	22.0	22.5	24.6	26.3
18 to 19 years	15.2	15.0	14.8	16.5	16.9	16.7	17.5	17.5	18.0	20.5	21.5	21.7	22.3
20 to 24 years	9.3	9.5	10.1	11.9	12.2	12.0	11.9	12.3	11.9	13.1	14.0	14.5	15.0
25 years and over	3.9	4.0	4.3	5.2	5.5	5.3	5.2	5.2	5.3	6.1	6.5	7.2	7.5
25 to 54 years	4.1	4.3	4.7	5.6	6.0	5.8	5.6	5.5	5.6	6.5	6.9	7.6	8.1
55 years and over	3.0	2.9	3.0	3.4	3.4	3.4	3.5	3.4	3.6	3.9	4.4	5.1	5.2
Males, 16 years and over	5.1	5.3	5.8	7.2	7.7	7.3	7.1	7.1	7.0	8.3	8.8	9.6	10.2
16 to 19 years	16.0	15.7	15.8	18.3	19.6	19.4	19.9	19.8	19.5	21.4	22.7	24.2	25.2
16 to 17 years	16.9	17.7	18.0	20.4	22.0	21.6	22.1	22.9	21.0	22.1	23.4	25.6	28.3
18 to 19 years	15.2	14.1	14.2	17.0	17.8	17.9	18.4	17.8	18.3	20.8	22.1	23.4	23.1
20 to 24 years	8.9	9.3	10.6	13.0	13.6	13.1	12.9	13.2	12.5	14.3	15.3	15.8	16.6
25 years and over	3.3	3.5	3.9	5.0	5.4	5.0	4.9	4.7	4.9	5.9	6.4	7.1	7.7
25 to 54 years	3.4	3.7	4.1	5.3	5.9	5.4	5.2	5.1	5.2	6.4	6.8	7.6	8.4
55 years and over	3.0	2.8	3.0	3.4	3.6	3.3	3.3	3.3	3.4	4.0	4.4	4.9	5.2
Females, 16 years and over	6.8	6.8	6.9	7.5	7.6	7.7	7.7	7.7	7.8	8.4	8.8	9.3	9.5
16 to 19 years	16.6	16.8	17.0	17.3	17.7	16.8	18.1	18.5	18.8	20.7	21.1	21.2	22.6
16 to 17 years	18.4	18.3	19.2	19.4	20.2	19.6	20.2	20.6	20.3	21.8	21.3	23.4	24.1
18 to 19 years	15.3	15.9	15.5	15.9	16.0	15.3	16.6	17.1	17.7	20.2	20.9	19.9	21.5
20 to 24 years	9.8	9.7	9.6	10.7	10.6	10.7	10.7	11.1	11.3	11.6	12.4	13.0	13.2
25 years and over	4.8	4.8	5.0	5.5	5.6	5.8	5.8	5.7	5.8	6.3	6.6	7.2	7.3
25 to 54 years	5.1	5.1	5.4	6.0	6.2	6.2	6.2	6.2	6.2	6.8	7.1	7.7	7.7
55 years and over	3.2	3.1	3.0	3.3	3.2	3.5	3.9	3.5	3.9	3.9	4.2	5.3	5.1

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-50. Unemployed persons by reason for unemployment, seasonally adjusted

[Numbers in thousands]

Reason for unemployment	1979		1980				1981				1982		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	2,647	2,853	3,157	4,094	4,467	4,281	4,007	4,054	4,133	4,940	5,327	6,036	6,532
On layoff	654	978	1,128	1,691	1,802	1,527	1,313	1,321	1,318	1,833	1,809	1,995	2,309
Other job losers	1,793	1,875	2,029	2,402	2,665	2,754	2,694	2,734	2,815	3,107	3,517	4,041	4,223
Job leavers	677	857	839	935	902	889	912	934	909	938	895	875	795
Reentrants	1,844	1,808	1,838	1,943	1,953	1,980	2,047	2,063	2,057	2,254	2,202	2,392	2,461
New entrants	782	824	830	844	914	903	982	972	963	1,006	1,066	1,108	1,301
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	43.0	45.0	47.4	52.4	54.2	53.2	50.4	50.5	51.3	54.1	56.1	58.0	58.9
On layoff	13.9	15.4	16.9	21.6	21.9	19.0	16.5	16.5	16.3	20.1	19.1	19.2	20.8
Other job losers	29.2	29.6	30.5	30.7	32.4	34.2	33.9	34.1	34.9	34.0	37.1	38.8	38.1
Job leavers	14.3	13.5	12.6	12.0	10.9	11.0	11.5	11.6	11.3	10.3	9.4	8.4	7.2
Reentrants	36.0	28.5	27.6	24.9	23.7	24.6	25.8	25.7	25.5	24.7	23.2	23.0	22.2
New entrants	12.7	13.0	12.5	10.8	11.1	11.2	12.4	12.1	11.9	11.0	11.2	10.6	11.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	2.5	2.7	3.0	3.8	4.2	4.0	3.7	3.7	3.8	4.5	4.9	5.5	5.9
On layoff .....	.8	.8	.8	.9	.8	.8	.8	.9	.8	.9	.8	.8	.7
Other job losers	1.8	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.1	2.0	2.2	2.2
Job leavers .....	.7	.8	.8	.8	.9	.8	.9	.9	.9	.9	1.0	1.0	1.2

A-51. Employed persons by sex and age, seasonally adjusted

[In thousands]

Sex and age	1979		1980				1981				1982		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
Total, 16 years and over	99,112	95,653	95,784	98,953	99,006	99,498	100,125	100,784	100,654	100,043	99,554	99,740	99,764
16 to 19 years	8,005	8,070	7,955	7,717	7,593	7,573	7,476	7,341	7,176	6,914	6,733	6,616	6,444
16 to 17 years	3,286	3,359	3,250	3,116	3,040	3,017	2,993	2,890	2,837	2,747	2,679	2,543	2,392
18 to 19 years	4,711	4,723	4,717	4,593	4,557	4,554	4,481	4,443	4,332	4,180	4,064	4,069	4,054
20 to 24 years	14,357	14,320	14,246	14,026	14,002	14,096	14,158	14,150	14,181	13,994	13,805	13,776	13,653
25 years and over	76,752	77,247	77,570	77,240	77,431	77,802	78,470	79,324	79,315	79,104	78,994	79,360	79,689
25 to 54 years	62,202	62,603	62,941	62,676	62,877	63,352	63,988	64,706	64,873	64,755	64,741	64,979	65,269
55 years and over	14,572	14,643	14,639	14,533	14,576	14,445	14,484	14,593	14,459	14,349	14,246	14,375	14,443
Males, 16 years and over	57,729	57,785	57,743	56,996	56,835	57,187	57,395	57,621	57,554	57,014	56,586	56,481	56,183
16 to 19 years	4,292	4,267	4,265	4,109	3,986	3,976	3,947	3,854	3,768	3,687	3,536	3,403	3,280
16 to 17 years	1,789	1,798	1,780	1,685	1,618	1,609	1,593	1,512	1,511	1,488	1,424	1,346	1,213
18 to 19 years	2,500	2,494	2,493	2,417	2,378	2,363	2,354	2,338	2,261	2,204	2,117	2,054	2,068
20 to 24 years	7,805	7,785	7,707	7,519	7,433	7,489	7,520	7,512	7,577	7,401	7,285	7,228	7,170
25 years and over	45,636	45,653	45,763	45,389	45,434	45,698	45,913	46,281	46,219	45,898	45,745	45,862	45,742
25 to 54 years	36,729	36,603	36,860	36,556	36,619	36,904	37,118	37,487	37,530	37,287	37,178	37,257	37,172
55 years and over	8,912	8,662	8,906	8,831	8,820	8,785	8,797	8,795	8,691	8,606	8,561	8,620	8,567
Females, 16 years and over	41,383	41,668	42,041	41,957	42,171	42,311	42,730	43,163	43,100	43,029	42,968	43,259	43,581
16 to 19 years	3,714	3,783	3,690	3,608	3,607	3,597	3,529	3,486	3,408	3,227	3,196	3,213	3,164
16 to 17 years	1,499	1,562	1,469	1,432	1,422	1,409	1,400	1,378	1,326	1,258	1,255	1,196	1,179
18 to 19 years	2,212	2,230	2,224	2,176	2,179	2,190	2,127	2,106	2,071	1,976	1,947	2,015	1,986
20 to 24 years	6,546	6,531	6,539	6,506	6,569	6,607	6,639	6,638	6,604	6,594	6,520	6,549	6,483
25 years and over	31,116	31,554	31,807	31,851	31,997	32,104	32,557	33,043	33,096	33,205	33,250	33,498	33,947
25 to 54 years	25,474	25,602	26,081	26,120	26,257	26,448	26,870	27,219	27,343	27,467	27,563	27,722	28,097
55 years and over	5,661	5,762	5,733	5,702	5,756	5,660	5,687	5,798	5,768	5,742	5,686	5,755	5,876

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-52. Employed persons by selected social and economic categories, seasonally adjusted

[In thousands]

Category	1979		1980				1981				1982		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
CHARACTERISTIC													
Total, 16 years and over	99,112	99,653	99,784	98,953	99,006	99,498	100,125	100,784	100,654	100,043	99,554	99,740	99,764
Married men, spouse present	39,886	39,619	39,484	38,930	38,699	38,914	38,980	39,079	38,926	38,547	38,223	38,269	38,146
Married women, spouse present	23,278	23,466	23,576	23,520	23,486	23,558	23,850	24,092	23,943	23,795	23,790	24,148	24,237
OCCUPATION													
White-collar workers	50,573	51,004	51,408	51,680	52,177	52,280	52,754	52,943	52,985	53,123	52,813	53,489	53,770
Professional and technical Managers and administrators, except farm	15,416	15,497	15,738	15,967	16,015	16,161	16,225	16,227	16,528	16,704	16,691	16,905	17,072
Sales workers	6,267	6,428	6,363	6,162	6,329	6,357	6,384	6,455	6,435	6,423	6,567	6,579	6,584
Clerical workers	18,037	18,203	18,353	18,485	18,578	18,475	18,506	18,756	18,499	18,496	18,337	18,490	18,576
Blue-collar workers	32,710	32,783	32,397	31,325	30,860	31,297	31,211	31,673	31,486	30,660	30,309	29,855	29,406
Craft and kindred workers	13,147	13,227	13,029	12,759	12,653	12,724	12,710	12,828	12,675	12,434	12,445	12,338	12,275
Operatives, except transport Transport equipment operatives	11,133	11,181	10,875	10,507	10,343	10,540	10,556	10,703	10,634	10,266	9,927	9,643	9,216
Nonfarm laborers	3,667	3,656	3,650	3,529	3,463	3,484	3,439	3,481	3,521	3,462	3,438	3,411	3,359
Service workers	4,763	4,719	4,844	4,529	4,401	4,549	4,505	4,661	4,656	4,497	4,499	4,464	4,556
Farm workers	13,024	13,225	13,247	13,213	13,253	13,209	13,358	13,384	13,400	13,611	13,616	13,695	13,863
	2,734	2,735	2,756	2,712	2,720	2,793	2,748	2,761	2,741	2,744	2,771	2,671	2,725
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,443	1,469	1,468	1,423	1,389	1,437	1,428	1,499	1,486	1,430	1,407	1,465	1,545
Self-employed workers	1,604	1,622	1,628	1,628	1,661	1,648	1,642	1,660	1,625	1,625	1,638	1,679	1,617
Unpaid family workers	314	299	286	287	301	313	296	261	252	270	339	252	253
Nonagricultural industries:													
Wage and salary workers	88,365	89,010	89,023	88,297	88,237	88,621	89,234	89,941	89,781	89,230	88,624	88,660	88,643
Government	15,668	15,717	15,795	15,978	15,949	15,939	15,931	15,789	15,546	15,491	15,532	15,503	15,567
Private industries	72,698	73,293	73,228	72,319	72,289	72,682	73,303	74,152	74,235	73,739	73,091	73,156	73,075
Private households	1,266	1,259	1,174	1,208	1,212	1,172	1,215	1,206	1,192	1,219	1,211	1,198	1,224
Other industries	71,431	72,035	72,054	71,111	71,076	71,510	72,087	72,946	73,042	72,520	71,880	71,958	71,851
Self-employed workers	6,875	6,895	6,965	6,890	7,037	7,107	7,058	7,081	7,130	7,117	7,051	7,284	7,366
Unpaid family workers	470	422	402	420	419	409	393	352	392	429	417	397	390
PERSONS AT WORK¹													
Nonagricultural industries	90,558	90,616	90,611	89,861	89,817	90,553	91,338	91,446	91,660	91,210	90,522	90,966	90,688
Full-time schedules	74,617	74,585	74,366	73,160	72,960	73,871	74,441	74,608	74,627	73,720	72,827	72,677	72,081
Part time for economic reasons	3,354	3,460	3,546	4,171	4,290	4,216	4,323	4,166	4,460	5,108	5,450	5,680	5,913
Usually work full time	1,389	1,472	1,504	1,871	1,816	1,664	1,666	1,572	1,723	2,024	2,071	2,166	2,209
Usually work part time	1,564	1,988	2,042	2,300	2,474	2,553	2,657	2,594	2,737	3,084	3,379	3,514	3,705
Part time for noneconomic reasons	12,588	12,572	12,700	12,531	12,566	12,466	12,575	12,673	12,573	12,382	12,245	12,608	12,694

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

[In thousands]

Reason, sex, and race	1979		1980				1981				1982		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
TOTAL													
Total not in labor force	59,536	60,083	60,308	60,644	60,907	61,171	61,172	61,002	61,746	61,834	62,367	61,852	61,807
Do not want job now	54,025	54,684	54,808	55,068	55,479	55,657	55,245	55,555	56,079	56,053	56,095	55,659	55,197
Current activity:													
Going to school	6,044	6,179	6,252	6,386	6,768	6,360	6,304	6,637	6,556	6,522	6,323	6,816	6,301
Ill, disabled	4,606	4,610	4,722	4,542	4,194	4,378	4,166	4,256	4,152	4,320	4,020	4,052	4,050
Keeping house	29,299	29,274	29,000	29,297	29,302	29,484	28,894	28,762	28,930	28,535	29,103	28,262	28,134
Retired	10,163	10,495	10,807	10,723	11,145	11,198	11,520	11,731	11,929	12,140	12,105	12,170	12,474
Other	3,916	4,126	4,027	4,120	4,070	4,238	4,361	4,168	4,312	4,536	4,545	4,358	4,237
Want a job now	5,660	5,455	5,602	5,626	5,861	5,711	5,927	5,727	5,668	6,019	6,162	6,674	6,607
Reason not looking:													
School attendance	1,605	1,522	1,493	1,502	1,631	1,508	1,575	1,562	1,518	1,569	1,641	1,740	1,768
Ill health, disability	755	784	771	744	806	714	802	726	708	832	775	777	785
Home responsibilities	1,296	1,278	1,330	1,233	1,284	1,211	1,287	1,300	1,176	1,374	1,347	1,511	1,364
Think cannot get job	762	781	948	955	1,006	1,063	1,093	1,043	1,094	1,199	1,339	1,497	1,619
Job-market factors	541	487	601	648	687	720	849	718	801	883	1,074	1,076	1,211
Personal factors	222	294	347	306	318	343	244	325	293	316	264	421	408
Other reasons ¹	1,198	1,090	1,060	1,193	1,134	1,215	1,171	1,096	1,171	1,046	1,061	1,150	1,070
Males													
Total not in labor force	17,323	17,552	17,646	17,811	18,008	18,137	18,299	18,325	18,734	18,733	19,122	18,938	19,074
Do not want job now	15,444	15,785	15,960	15,972	16,198	16,387	16,336	16,588	16,952	16,862	16,837	16,961	16,995
Want a job now	1,893	1,752	1,751	1,840	1,954	1,842	1,947	1,861	1,831	2,000	2,096	2,175	2,289
Reason not looking:													
School attendance	854	758	720	772	852	745	813	775	725	787	901	912	948
Ill health, disability	370	344	321	348	367	299	372	329	323	414	319	331	349
Think cannot get job	252	290	358	332	382	361	375	414	383	435	516	586	584
Other reasons ¹	376	360	352	388	353	437	387	343	399	365	360	346	407
Females													
Total not in labor force	42,613	42,531	42,662	42,834	42,899	43,034	42,872	42,677	43,012	43,101	43,245	42,914	42,732
Do not want job now	38,584	38,899	38,848	39,097	39,281	39,270	38,909	38,966	39,127	39,191	39,259	38,698	38,202
Want a job now	3,767	3,703	3,852	3,786	3,906	3,869	3,980	3,866	3,836	4,019	4,067	4,499	4,318
Reason not looking:													
School attendance	750	765	772	730	778	763	761	787	793	782	740	827	820
Ill health, disability	429	439	450	396	439	415	430	397	385	418	456	446	436
Home responsibilities	1,296	1,278	1,330	1,233	1,284	1,211	1,287	1,300	1,176	1,374	1,347	1,511	1,364
Think cannot get job	470	491	591	623	624	702	718	630	711	764	823	911	1,035
Other reasons	822	730	708	804	781	778	784	753	772	681	701	804	663
White													
Total not in labor force	52,041	52,100	52,031	52,305	52,702	52,873	52,601	52,420	53,106	53,240	53,623	53,016	53,030
Do not want job now	47,703	47,865	47,885	48,194	48,472	48,658	48,259	48,370	48,902	48,852	49,065	48,471	48,391
Want a job now	4,262	4,100	4,283	4,201	4,226	4,178	4,333	4,133	4,116	4,401	4,414	4,741	4,784
Reason not looking:													
School attendance	1,164	1,129	1,070	1,106	1,101	1,069	1,116	1,057	990	1,156	1,177	1,217	1,237
Ill health, disability	552	522	555	554	543	502	564	523	504	568	513	567	548
Home responsibilities	992	1,002	1,101	957	981	926	959	983	863	1,034	1,006	1,044	1,039
Think cannot get job	546	554	670	640	699	684	744	708	744	807	868	1,002	1,067
Other reasons	1,008	893	886	943	903	997	950	863	1,015	836	850	912	894
Black and other													
Total not in labor force	7,919	7,972	8,279	8,310	8,213	8,316	8,601	8,550	8,653	8,599	8,764	8,773	8,755
Do not want job now	6,583	6,720	6,824	6,864	6,699	6,911	6,859	6,933	7,217	7,104	6,844	6,829	6,969
Want a job now	1,383	1,323	1,373	1,393	1,599	1,493	1,665	1,558	1,558	1,589	1,836	1,894	1,813
Reason not looking:													
School attendance	406	417	429	377	474	471	467	483	497	451	473	497	497
Ill health, disability	239	237	228	206	251	186	256	220	203	234	277	229	233
Home responsibilities	310	275	247	262	300	287	342	303	312	348	361	445	325
Think cannot get job	217	210	301	309	310	356	387	326	351	364	521	491	545
Other reasons	212	184	168	240	264	194	213	226	194	192	204	232	214

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

HOUSEHOLD DATA QUARTERLY AVERAGES

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

(In thousands)

Reason and sex	Total		Age							
			16 to 19 years		20 to 24 years		25 to 59 years		60 years and over	
	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982
TOTAL										
Total not in labor force	60,708	60,869	6,272	6,220	4,300	4,342	22,479	22,039	27,657	28,268
Do not want a job now	55,315	54,594	5,022	4,726	3,504	3,252	19,617	18,846	27,177	27,771
Current activity:										
Going to school	3,686	3,603	2,150	2,097	987	959	538	546	15	1
Ill, disabled	4,378	4,076	54	37	120	105	2,090	1,908	2,116	2,027
Keeping house	29,076	28,318	524	462	1,726	1,560	14,219	13,610	12,607	12,687
Retired	12,123	12,681	—	—	—	—	276	304	11,846	12,377
Other	6,052	5,916	2,294	2,130	671	628	2,494	2,478	593	679
Want a job now	5,392	6,274	1,251	1,495	797	1,088	2,860	3,193	481	500
Reason not looking:										
School attendance	822	1,001	511	628	145	194	164	177	—	2
Ill health, disability	664	729	30	48	46	47	446	484	142	150
Home responsibilities	1,339	1,545	92	116	264	338	959	1,070	24	21
Think cannot get job	1,143	1,686	305	408	139	269	557	833	142	177
Job-market factors	838	1,277	236	305	119	225	425	651	58	95
Personal factors	306	409	69	101	20	46	134	180	84	80
Other reasons ¹	1,424	1,313	313	295	203	240	734	629	173	150
Males										
Total not in labor force	17,813	18,304	2,804	2,895	1,203	1,297	3,506	3,479	10,301	10,632
Do not want a job now	16,245	16,351	2,216	2,208	983	950	2,969	2,789	10,079	10,400
Current activity:										
Going to school	1,867	1,860	1,022	1,064	550	551	291	243	4	—
Ill, disabled	2,379	2,184	31	19	71	80	1,187	1,082	1,092	1,003
Keeping house	245	329	13	13	9	11	80	76	144	227
Retired	8,688	8,970	—	—	—	—	227	248	8,460	8,721
Other	3,066	3,008	1,150	1,112	353	308	1,184	1,140	379	449
Want a job now	1,568	1,952	587	686	219	348	535	690	222	231
Reason not looking:										
School attendance	371	492	240	322	81	95	50	75	—	2
Ill health, disability	293	315	14	25	17	15	191	209	70	66
Think cannot get job	431	651	182	189	59	127	124	251	64	84
Other reasons ¹	473	494	151	150	62	111	170	155	88	79
Females										
Total not in labor force	42,895	42,565	3,469	3,325	3,097	3,045	18,973	18,560	17,356	17,636
Do not want a job now	39,071	38,244	2,801	2,517	2,520	2,303	16,651	16,056	17,098	17,366
Current activity:										
Going to school	1,820	1,743	1,124	1,033	437	408	248	302	10	1
Ill, disabled	1,999	1,892	23	17	49	25	903	826	1,025	1,022
Keeping house	28,831	27,989	510	448	1,716	1,549	14,141	13,534	12,463	12,458
Retired	3,435	3,712	—	—	—	—	49	56	3,386	3,655
Other	2,986	2,908	1,144	1,019	318	321	1,310	1,338	214	230
Want a job now	3,824	4,321	666	809	578	741	2,323	2,505	258	268
Reason not looking:										
School attendance	450	509	273	306	64	99	113	103	—	—
Ill health, disability	371	413	16	24	29	31	254	276	72	84
Home responsibilities	1,339	1,545	92	116	264	338	959	1,070	24	21
Think cannot get job	712	1,035	123	219	80	143	433	581	77	92
Other reasons ¹	952	819	162	144	141	130	564	475	85	71

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

NOTE: Detail in tables A-54, A-55, and A-57 may not add to not-in-labor-force totals because of differences in the weighting patterns used in aggregating these data.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

(In thousands)

Reason and race	Total		Age						Sex			
			16 to 24 years		25 to 59 years		60 years and over		Males		Females	
	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982
WHITE												
Total not in labor force	52,296	52,359	8,098	8,113	19,191	18,755	25,007	25,492	14,989	15,452	37,307	36,907
Do not want a job now	48,313	47,807	6,665	6,339	17,034	16,366	24,616	25,100	13,852	14,068	34,461	33,739
Current activity:												
Going to school	2,779	2,732	2,409	2,345	357	387	14	1	1,415	1,449	1,364	1,283
Ill, disabled	3,489	3,303	108	111	1,637	1,512	1,743	1,678	1,907	1,785	1,582	1,518
Keeping house	26,222	25,492	1,866	1,708	12,723	12,159	11,633	11,625	192	270	26,030	25,222
Retired	10,941	11,447	--	--	255	271	10,687	11,174	7,906	8,151	3,035	3,296
Other	4,882	4,833	2,282	2,175	2,062	2,037	539	622	2,432	2,413	2,450	2,420
Want a job now	3,981	4,553	1,435	1,771	2,162	2,389	390	392	1,136	1,384	2,845	3,169
Reason not looking:												
School attendance	532	685	425	574	105	108	--	2	238	339	294	346
Ill health, disability	473	515	55	72	309	341	109	102	237	243	236	272
Home responsibilities	1,005	1,192	249	302	733	870	22	21	--	--	1,005	1,192
Think cannot get job	765	1,094	283	419	382	541	102	134	268	413	497	681
Other reasons ¹	1,206	1,067	423	404	629	529	157	133	393	389	813	678
BLACK AND OTHER												
Total not in labor force	8,412	8,510	2,474	2,449	3,288	3,284	2,651	2,777	2,824	2,852	5,588	5,658
Do not want a job now	7,001	6,788	1,855	1,640	2,586	2,479	2,556	2,666	2,393	2,283	4,608	4,505
Current activity:												
Going to school	908	871	728	714	182	158	--	--	452	411	456	460
Ill, disabled	889	773	64	30	453	397	369	346	473	399	416	374
Keeping house	2,853	2,826	381	313	1,496	1,451	975	1,061	53	59	2,800	2,767
Retired	1,181	1,235	--	--	22	32	1,158	1,203	781	819	400	416
Other	1,170	1,083	682	583	433	441	54	56	634	595	536	488
Want a job now	1,410	1,723	613	809	703	804	95	109	431	570	979	1,153
Reason not looking:												
School attendance	289	317	230	247	58	70	--	--	133	154	156	163
Ill health, disability	191	214	21	23	136	142	36	49	56	73	135	141
Home responsibilities	335	353	107	153	227	199	1	--	--	--	335	353
Think cannot get job	377	592	160	258	177	292	41	42	163	238	214	354
Other reasons ¹	218	247	95	128	105	101	17	18	79	105	139	142

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

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

(In thousands)

Reason and sex	Total	3rd Quarter 1982					
		Age				Race	
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black and other
TOTAL							
Personal factors:							
Employers think too young or old	146	39	3	35	68	114	32
Lacks education or training	164	44	30	85	6	100	64
Other personal handicap	99	20	13	60	6	59	39
Job-market factors:							
Could not find job	746	202	139	368	36	420	326
Thinks no job available	531	103	86	283	59	401	131
Males							
Personal factors:							
Employers think too young or old	49	13	--	12	24	39	10
Lacks education or training	61	29	11	19	1	37	24
Other personal handicap	36	3	11	16	5	25	10
Job-market factors:							
Could not find job	325	96	67	141	20	167	158
Thinks no job available	180	47	37	62	34	146	35
Females							
Personal factors:							
Employers think too young or old	97	26	3	24	44	75	22
Lacks education or training	103	15	17	65	6	63	40
Other personal handicap	63	17	2	44	1	34	29
Job-market factors:							
Could not find job	420	106	71	228	16	253	168
Thinks no job available	351	55	49	220	26	255	96

HOUSEHOLD DATA

QUARTERLY AVERAGES

A-57. Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during the previous 12 months by sex, age, and race

[Numbers in thousands]

Most recent work experience, reason for leaving last job, and sex	Total		Age						Race			
			16 to 24 years		25 to 59 years		60 years and over		White		Black and other	
	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982
Total, not in labor force	60,708	60,869	10,572	10,562	22,479	22,039	27,657	28,268	52,296	52,359	8,412	8,510
Never worked	9,193	9,451	4,522	4,809	2,206	2,266	2,465	2,377	7,074	7,352	2,120	2,099
Last worked over 5 years ago	31,224	31,753	302	295	10,896	10,737	20,026	20,721	27,668	28,061	3,556	3,691
Last worked 1 to 5 years ago	10,910	11,161	1,829	1,858	5,449	5,523	3,631	3,778	9,482	9,601	1,428	1,559
Left job during previous 12 months	9,380	8,503	3,919	3,599	3,926	3,511	1,535	1,392	8,073	7,343	1,307	1,159
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	41.4	38.9	62.1	54.3	35.2	36.1	4.6	6.2	41.8	40.1	38.9	31.4
Ill health, disability	8.2	7.3	2.3	1.9	12.0	10.6	13.5	12.7	7.8	7.1	10.3	8.4
Retirement, old age	10.2	10.9	--	--	3.3	4.6	54.3	54.7	11.0	11.3	5.7	8.0
Economic reasons	22.9	24.6	18.6	24.6	28.5	27.4	19.6	17.8	22.2	23.7	27.5	30.8
End of seasonal job	8.8	8.9	7.4	10.1	10.9	8.9	6.9	6.0	8.4	8.7	11.1	10.2
Slack work	7.7	9.6	6.0	8.7	10.1	11.8	6.0	6.2	7.2	8.7	11.0	15.0
End of temporary job	6.4	6.1	5.2	5.7	7.5	6.7	6.7	5.6	6.6	6.2	5.4	5.6
All other reasons	17.2	18.3	17.0	19.2	21.0	21.2	8.1	8.6	17.2	17.8	17.6	21.5
Males, not in labor force	17,813	18,304	4,007	4,192	3,506	3,479	10,301	10,632	14,989	15,452	2,824	2,852
Never worked	2,235	2,436	1,855	2,052	322	333	57	52	1,521	1,723	715	714
Last worked over 5 years ago	8,691	8,961	48	33	1,338	1,328	7,305	7,600	7,567	7,847	1,124	1,113
Last worked 1 to 5 years ago	3,556	3,778	446	483	1,008	1,115	2,103	2,179	3,088	3,212	468	565
Left job during previous 12 months	3,330	3,129	1,656	1,625	838	703	835	801	2,814	2,669	517	459
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	33.2	30.6	57.7	50.6	15.8	15.7	2.2	3.1	33.5	31.6	31.5	24.4
Ill health, disability	11.3	9.9	2.4	2.3	26.8	22.0	13.4	14.6	10.9	10.1	13.2	8.7
Retirement, old age	19.0	19.6	--	--	10.3	14.0	65.2	64.3	20.8	20.7	9.1	13.5
Economic reasons	20.6	23.4	21.9	28.2	24.4	24.6	14.0	12.5	19.1	22.3	29.0	29.8
End of seasonal job	7.1	8.6	8.7	12.6	4.9	5.1	6.2	3.4	6.3	8.9	11.8	6.8
Slack work	7.6	10.1	7.0	9.7	12.6	16.0	3.8	5.5	6.6	8.8	13.0	17.2
End of temporary job	5.9	4.8	6.3	5.9	6.9	3.5	3.9	3.6	6.2	4.6	4.3	5.9
All other reasons	15.9	16.5	17.9	18.9	22.7	23.7	5.3	5.4	15.7	15.3	17.2	23.5
Females, not in labor force	42,895	42,565	6,566	6,370	18,973	18,560	17,356	17,636	37,307	36,907	5,588	5,658
Never worked	6,958	7,014	2,666	2,758	1,884	1,933	2,408	2,325	5,553	5,629	1,405	1,385
Last worked over 5 years ago	22,533	22,792	253	262	9,558	9,411	12,721	13,120	20,101	20,214	2,432	2,578
Last worked 1 to 5 years ago	7,354	7,384	1,384	1,376	4,441	4,408	1,529	1,599	6,394	6,389	960	994
Left job during previous 12 months	6,049	5,374	2,261	1,974	3,088	2,808	700	592	5,259	4,674	790	700
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	46.0	43.8	65.3	57.5	40.5	41.3	7.7	10.3	46.3	45.0	43.8	35.9
Ill health, disability	6.5	5.7	2.2	1.5	8.0	7.7	13.6	10.3	6.2	5.4	8.5	8.1
Retirement, old age	5.4	5.8	--	--	1.3	2.3	41.0	41.8	5.7	6.0	3.4	4.4
Economic reasons	24.2	25.4	16.1	21.4	29.6	28.2	26.4	24.4	23.8	24.4	26.5	31.4
End of seasonal job	9.7	9.2	6.5	8.1	12.5	9.8	7.7	9.1	9.5	8.7	10.6	12.4
Slack work	7.8	9.3	5.3	7.9	9.5	10.8	8.7	6.9	7.5	8.6	9.7	13.6
End of temporary job	6.7	6.9	4.3	5.5	7.6	7.6	10.0	8.3	6.8	7.1	6.1	5.4
All other reasons	18.0	19.3	16.4	19.5	20.6	20.5	11.3	13.2	18.0	19.2	17.8	20.1

A-58. Work-seeking intentions of persons not in 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			
			16 to 24 years		25 to 59 years		60 years and over		White		Black and other	
	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982
Total	52,186	51,950	6,296	6,000	18,696	18,143	27,194	27,806	45,594	45,442	6,592	6,508
Do not intend to seek work	8,520	8,918	4,277	4,562	3,783	3,895	463	461	6,701	6,917	1,820	2,002
Intend to seek work in the next 12 months	1,305	1,575	1,162	1,429	138	138	6	8	923	1,065	383	510
Never worked	982	1,106	47	43	825	945	110	118	719	813	263	293
Last worked over 5 years ago	2,095	2,344	730	778	1,203	1,409	162	158	1,598	1,736	497	609
Last worked 1 to 5 years ago	4,138	3,893	2,338	2,312	1,616	1,403	185	178	3,462	3,303	677	591
Worked during previous 12 months												
Males	15,077	15,286	2,175	2,232	2,816	2,649	10,085	10,403	12,842	13,101	2,234	2,185
Do not intend to seek work	2,736	3,017	1,831	1,959	691	829	215	229	2,147	2,351	590	667
Intend to seek work in the next 12 months	542	646	521	603	20	42	2	--	381	440	161	206
Never worked	125	161	8	5	85	102	32	54	74	113	51	48
Last worked over 5 years ago	531	656	233	265	204	320	94	71	410	461	121	195
Last worked 1 to 5 years ago	1,538	1,554	1,070	1,086	381	364	87	104	1,282	1,337	257	218
Worked during previous 12 months												
Females	37,110	36,664	4,121	3,767	15,881	15,494	17,109	17,403	32,752	32,341	4,358	4,323
Do not intend to seek work	5,784	5,901	2,445	2,602	3,091	3,066	247	232	4,554	4,566	1,230	1,335
Intend to seek work in the next 12 months	763	929	641	826	119	96	3	8	542	625	222	304
Never worked	857	945	38	38	739	842	78	64	645	700	212	245
Last worked over 5 years ago	1,564	1,688	497	514	998	1,088	68	87	1,188	1,275	376	414
Last worked 1 to 5 years ago	2,600	2,339	1,269	1,226	1,234	1,039	97	74	2,180	1,966	420	373
Worked during previous 12 months												

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-59. Employment status of the noninstitutional population by sex, age, race, and Hispanic origin

[Numbers in thousands]

Employment status, sex, and age	Total		White		Black		Hispanic origin	
	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982
TOTAL								
Civilian noninstitutional population	170,413	172,522	148,164	149,586	18,268	18,628	9,383	9,558
Civilian labor force	109,705	111,653	95,868	97,227	11,260	11,611	6,046	6,101
Percent of population	64.4	64.7	64.7	65.0	61.6	62.3	64.4	63.8
Employed	101,717	100,839	89,898	88,986	9,457	9,362	5,454	5,232
Agriculture	3,784	3,850	3,528	3,589	175	181	311	306
Nonagricultural industries	97,933	96,989	86,370	85,397	9,283	9,181	5,142	4,927
Unemployed	7,987	10,813	5,970	8,241	1,803	2,249	592	869
Unemployment rate	7.3	9.7	6.2	8.5	16.0	19.4	9.8	14.2
Not in labor force	60,708	60,869	52,296	52,359	7,007	7,017	3,337	3,457
Males, 20 years and over								
Civilian noninstitutional population	72,567	73,775	63,879	64,768	7,028	7,207	4,004	3,999
Civilian labor force	57,557	58,367	51,008	51,534	5,254	5,397	3,396	3,370
Percent of population	79.3	79.1	79.9	79.6	74.8	74.9	84.8	84.3
Employed	54,339	53,449	48,566	47,710	4,565	4,457	3,145	2,962
Agriculture	2,549	2,611	2,368	2,421	131	133	220	221
Nonagricultural industries	51,789	50,838	46,197	45,289	4,434	4,324	2,925	2,741
Unemployed	3,219	4,918	2,442	3,824	690	940	251	408
Unemployment rate	5.6	8.4	4.8	7.4	13.1	17.4	7.4	12.1
Not in labor force	15,010	15,408	12,871	13,234	1,773	1,810	608	628
Females, 20 years and over								
Civilian noninstitutional population	81,675	83,037	70,813	71,797	8,952	9,175	4,209	4,381
Civilian labor force	42,248	43,797	36,134	37,431	5,024	5,211	2,087	2,188
Percent of population	51.7	52.7	51.0	52.1	56.1	56.8	49.6	49.9
Employed	39,256	39,994	33,955	34,578	4,307	4,369	1,876	1,907
Agriculture	717	700	670	658	23	23	55	53
Nonagricultural industries	38,539	39,294	33,285	33,920	4,284	4,346	1,821	1,854
Unemployed	2,992	3,803	2,179	2,853	716	842	212	281
Unemployment rate	7.1	8.7	6.0	7.6	14.3	16.2	10.1	12.8
Not in labor force	39,426	39,241	34,679	34,366	3,928	3,964	2,122	2,193
Both sexes, 16-19 years								
Civilian noninstitutional population	16,171	15,709	13,471	13,021	2,288	2,246	1,169	1,178
Civilian labor force	9,899	9,489	8,726	8,262	982	1,003	562	542
Percent of population	61.2	60.4	64.8	63.5	42.9	44.7	48.1	46.0
Employed	8,123	7,396	7,377	6,698	585	536	433	363
Agriculture	518	540	490	510	20	25	37	31
Nonagricultural industries	7,605	6,856	6,887	6,189	565	511	396	331
Unemployed	1,776	2,093	1,349	1,564	396	467	129	180
Unemployment rate	17.9	22.1	15.5	18.9	40.4	46.5	22.9	33.1
Not in labor force	6,272	6,220	4,745	4,759	1,306	1,243	607	636

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A-60 Employment status of persons 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 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982
TOTAL								
Civilian noninstitutional population	9,383	9,558	5,605	5,788	1,262	1,219	806	787
Civilian labor force	6,046	6,101	3,737	3,820	643	622	522	511
Percent of population	64.4	63.8	66.7	66.0	51.0	51.0	64.8	64.9
Employed	5,454	5,232	3,387	3,252	555	508	474	458
Agriculture	311	306	288	278	5	8	3	2
Nonagricultural industries	5,142	4,927	3,100	2,974	550	500	471	456
Unemployed	592	869	350	567	88	115	49	53
Unemployment rate	9.8	14.2	9.4	14.9	13.7	18.4	9.3	10.3
Not in labor force	3,337	3,457	1,868	1,969	619	597	284	276
Males, 20 years and over								
Civilian noninstitutional population	4,004	3,999	2,485	2,505	490	449	344	337
Civilian labor force	3,396	3,370	2,153	2,152	387	351	281	272
Percent of population	84.8	84.3	86.6	85.9	79.0	78.2	81.7	80.7
Employed	3,145	2,962	2,015	1,886	344	296	255	246
Agriculture	220	221	204	200	5	7	2	2
Nonagricultural industries	2,925	2,741	1,812	1,686	340	290	252	244
Unemployed	251	408	138	266	43	54	27	27
Unemployment rate	7.4	12.1	6.4	12.4	11.1	15.4	9.5	9.7
Not in labor force	608	628	331	353	102	99	63	65
Females, 20 years and over								
Civilian noninstitutional population	4,209	4,381	2,384	2,526	600	590	379	388
Civilian labor force	2,087	2,188	1,180	1,291	210	214	206	205
Percent of population	49.6	49.9	49.5	51.1	35.0	36.3	54.4	52.8
Employed	1,876	1,907	1,053	1,112	182	176	190	190
Agriculture	55	53	48	50	1	1	--	--
Nonagricultural industries	1,821	1,854	1,005	1,062	181	175	190	190
Unemployed	212	281	126	179	28	38	16	14
Unemployment rate	10.1	12.8	10.7	13.9	13.3	17.7	7.9	7.0
Not in labor force	2,122	2,193	1,204	1,234	390	375	173	184
Both sexes, 16-19 years								
Civilian noninstitutional population	1,169	1,178	736	758	172	181	83	62
Civilian labor force	562	542	404	377	46	58	35	34
Percent of population	48.1	46.0	54.9	49.7	26.7	32.0	42.2	54.8
Employed	433	363	319	254	29	35	30	22
Agriculture	37	31	36	28	--	--	--	--
Nonagricultural industries	396	331	283	226	29	35	29	22
Unemployed	129	180	86	122	17	23	6	12
Unemployment rate	22.9	33.1	21.2	32.5	(2)	(2)	(2)	(2)
Not in labor force	607	636	332	381	127	123	48	28

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

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

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-61. Employed persons by selected social and economic categories, race, and Hispanic origin

[In thousands]

Category	Total		White		Black and other		Hispanic origin	
	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982
CHARACTERISTIC								
Total, 16 years and over	101,717	100,839	89,898	88,986	11,820	11,853	5,454	5,232
Males	58,689	57,301	52,502	51,179	6,187	6,122	3,392	3,172
Females	43,028	43,539	37,396	37,807	5,633	5,731	2,061	2,061
OCCUPATION								
White-collar workers	52,725	53,515	47,920	48,685	4,805	4,830	1,828	1,902
Professional and technical	16,095	16,638	14,431	15,019	1,664	1,619	430	444
Managers and administrators, except farm	11,716	11,735	11,035	11,065	681	670	347	360
Sales workers	6,408	6,556	6,051	6,191	358	365	198	224
Clerical workers	18,506	18,587	16,404	16,411	2,102	2,176	853	874
Blue-collar workers	32,422	30,310	28,191	26,264	4,231	4,046	2,513	2,257
Craft and kindred workers	13,006	12,578	11,935	11,512	1,071	1,065	754	663
Operatives, except transport	10,786	9,357	8,982	7,766	1,804	1,592	1,117	962
Transport equipment operatives	3,539	3,383	3,012	2,898	528	485	243	218
Nonfarm laborers	5,091	4,992	4,262	4,089	829	903	399	414
Service workers	13,481	13,947	10,883	11,155	2,597	2,792	854	838
Farm workers	3,090	3,067	2,903	2,881	186	186	258	236
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,724	1,801	1,542	1,599	182	202	290	279
Self-employed workers	1,753	1,742	1,685	1,687	68	55	19	24
Unpaid family workers	307	307	300	302	7	5	2	2
Nonagricultural industries:								
Wage and salary workers	90,370	89,179	79,312	78,095	11,059	11,084	4,879	4,644
Government	15,098	15,122	12,608	12,624	2,491	2,498	668	682
Private industries	75,272	74,057	66,704	65,471	8,567	8,586	4,210	3,962
Private households	1,240	1,272	866	901	374	371	87	100
Other industries	74,032	72,785	65,838	64,570	8,193	8,215	4,123	3,862
Self-employed workers	7,158	7,405	6,674	6,926	484	479	246	271
Unpaid family workers	405	406	384	376	21	29	18	13
FULL- AND PART-TIME STATUS ¹								
Full-time schedules	83,788	81,052	73,899	71,471	9,889	9,580	4,570	4,292
Part time for economic reasons	5,083	6,721	4,237	5,558	846	1,163	407	499
Part time for noneconomic reasons	12,847	13,067	11,762	11,957	1,085	1,110	477	441

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

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-62. Employed persons 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 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982
CHARACTERISTIC								
Total, 16 years and over	5,454	5,232	3,387	3,252	555	508	474	458
Males	3,392	3,172	2,205	2,033	361	316	268	255
Females	2,061	2,061	1,183	1,220	194	192	205	203
OCCUPATION								
White-collar workers	1,828	1,902	973	1,045	224	205	217	238
Professional and technical	430	444	221	212	54	42	52	78
Managers and administrators, except farm	347	360	165	197	36	31	55	44
Sales workers	198	224	118	121	11	18	25	34
Clerical workers	853	874	469	515	123	114	85	82
Blue-collar workers	2,513	2,257	1,682	1,490	244	203	200	168
Craft and kindred workers	754	663	506	437	63	57	61	47
Operatives, except transport	1,117	962	712	604	124	83	91	90
Transport equipment operatives	243	218	160	143	23	27	27	16
Nonfarm laborers	399	414	304	306	34	36	21	15
Service workers	854	838	487	496	85	94	55	51
Farm workers	258	236	244	220	1	4	1	--
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	290	279	278	266	2	6	2	--
Self-employed workers	19	24	8	12	3	2	1	2
Unpaid family workers	2	2	1	--	--	--	--	--
Nonagricultural industries:								
Wage and salary workers	4,879	4,644	2,972	2,824	533	486	421	410
Government	668	682	448	442	87	84	26	46
Private industries	4,210	3,962	2,524	2,382	446	402	396	364
Private households	87	100	37	65	3	5	3	--
Other industries	4,123	3,862	2,487	2,317	443	397	393	364
Self-employed workers	246	271	117	144	16	12	47	44
Unpaid family workers	18	13	12	7	1	1	2	2
FULL- AND PART-TIME STATUS²								
Full-time schedules	4,570	4,292	2,815	2,639	497	431	394	387
Part time for economic reasons	407	499	310	354	20	45	25	22
Part time for noneconomic reasons	477	441	263	259	38	31	55	49

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

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

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-63. Employed persons by sex, age, race, and Hispanic origin

[In thousands]

Sex and age	Total		White		Black		Hispanic origin	
	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982
Total, 16 years and over	101,717	100,839	89,898	88,986	9,457	9,362	5,454	5,232
16 to 19 years	8,123	7,396	7,377	6,698	585	536	433	363
16 to 17 years	3,384	2,931	3,078	2,658	233	210	171	121
18 to 19 years	4,739	4,465	4,300	4,040	352	326	262	242
20 to 24 years	14,628	14,099	12,933	12,424	1,387	1,342	975	840
25 years and over	78,966	79,344	69,587	69,864	7,485	7,483	4,047	4,030
25 to 54 years	64,564	64,946	56,597	56,874	6,304	6,314	3,616	3,594
55 years and over	14,402	14,398	12,990	12,990	1,181	1,169	431	435
Males, 16 years and over	58,689	57,301	52,502	51,179	4,886	4,743	3,392	3,172
16 to 19 years	4,350	3,852	3,936	3,468	321	287	247	209
16 to 17 years	1,844	1,541	1,668	1,401	133	103	92	64
18 to 19 years	2,507	2,311	2,268	2,068	189	183	155	145
20 to 24 years	7,895	7,482	7,006	6,604	727	700	598	482
25 years and over	46,444	45,967	41,559	41,106	3,839	3,756	2,547	2,480
25 to 54 years	37,719	37,364	33,579	33,254	3,232	3,158	2,248	2,190
55 years and over	8,724	8,602	7,980	7,853	607	598	300	290
Females, 16 years and over	43,028	43,539	37,396	37,807	4,571	4,619	2,061	2,061
16 to 19 years	3,773	3,544	3,441	3,230	264	250	186	153
16 to 17 years	1,540	1,390	1,410	1,257	101	107	79	57
18 to 19 years	2,232	2,154	2,031	1,972	163	143	107	97
20 to 24 years	6,733	6,617	5,927	5,820	660	642	377	358
25 years and over	32,523	33,377	28,028	28,758	3,647	3,727	1,499	1,550
25 to 54 years	26,845	27,581	23,018	23,620	3,073	3,156	1,368	1,404
55 years and over	5,678	5,795	5,010	5,138	574	571	131	146

A-64. Unemployment rates by sex, age, race, and Hispanic origin

Sex and age	Total		White		Black		Hispanic origin	
	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982
Total, 16 years and over	7.3	9.7	6.2	8.5	16.0	19.4	9.8	14.2
16 to 19 years	17.9	22.1	15.5	18.9	40.4	46.5	22.9	33.1
16 to 17 years	18.8	23.3	16.6	21.0	40.5	43.1	25.7	38.5
18 to 19 years	17.3	21.2	14.6	17.5	40.3	48.5	21.0	30.1
20 to 24 years	11.6	14.5	9.5	12.5	26.9	29.7	13.3	18.0
25 years and over	5.2	7.4	4.5	6.6	10.7	14.0	7.2	11.1
25 to 54 years	5.5	7.9	4.8	7.0	11.5	15.1	7.3	11.4
55 years and over	3.4	4.8	3.1	4.6	6.0	7.3	5.9	9.0
Males, 16 years and over	6.6	9.5	5.6	8.4	15.5	19.9	8.6	13.9
16 to 19 years	17.5	22.3	15.0	19.5	39.4	45.5	21.3	33.5
16 to 17 years	18.3	24.0	16.3	21.9	37.9	44.7	30.3	43.6
18 to 19 years	16.9	21.1	13.9	17.8	40.5	46.0	14.7	27.8
20 to 24 years	11.5	15.3	9.6	13.4	25.9	29.0	11.5	18.7
25 years and over	4.5	7.2	3.9	6.4	10.2	14.8	6.4	10.7
25 to 54 years	4.8	7.7	4.2	6.8	10.8	15.9	6.5	10.8
55 years and over	3.2	4.8	2.9	4.5	6.9	9.0	5.4	9.9
Females, 16 years and over	8.2	9.9	7.0	8.6	16.5	18.8	11.7	14.7
16 to 19 years	18.5	21.8	16.0	18.3	41.5	47.6	25.0	32.7
16 to 17 years	19.4	22.5	16.9	19.9	43.7	41.5	19.6	31.6
18 to 19 years	17.8	21.3	15.4	17.3	40.0	51.5	28.6	33.3
20 to 24 years	11.7	13.6	9.3	11.4	28.0	30.4	16.0	17.0
25 years and over	6.1	7.6	5.3	6.8	11.2	13.1	8.5	11.8
25 to 54 years	6.6	8.2	5.7	7.3	12.3	14.3	8.6	12.3
55 years and over	3.7	4.8	3.5	4.7	5.0	5.5	7.7	7.0

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A-65. Unemployed persons by duration of unemployment, race, and Hispanic origin

[In thousands]

Weeks of unemployment	Total		White		Black and other		Hispanic origin	
	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982
DURATION								
Total, 16 years and over	7,987	10,813	5,970	8,241	2,017	2,573	592	869
Less than 5 weeks	3,463	4,037	2,692	3,124	771	912	278	326
5 to 14 weeks	2,550	3,474	1,883	2,649	667	825	192	303
15 weeks and over	1,974	3,303	1,395	2,467	579	836	122	239
15 to 26 weeks	878	1,456	626	1,114	252	342	64	126
27 weeks and over	1,095	1,847	769	1,353	327	494	58	113
Average (mean) duration, in weeks	13.2	15.3	12.6	14.8	15.1	17.1	11.7	13.6
Median duration, in weeks	6.5	8.2	6.1	8.0	7.7	8.8	5.7	8.2
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	43.4	37.3	45.1	37.9	38.2	35.4	47.0	37.6
5 to 14 weeks	31.9	32.1	31.5	32.1	33.1	32.1	32.4	34.9
15 weeks and over	24.7	30.5	23.4	29.9	28.7	32.5	20.6	27.5
15 to 26 weeks	11.0	13.5	10.5	13.5	12.5	13.3	10.8	14.5
27 weeks and over	13.7	17.1	12.9	16.4	16.2	19.2	9.8	13.0

A-66. Unemployed persons by reason for unemployment, race, and Hispanic origin

[Numbers in thousands]

Reason for unemployment	Total		White		Black and other		Hispanic origin	
	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982
NUMBER OF UNEMPLOYED								
Total, 16 years and over	7,987	10,813	5,970	8,241	2,017	2,573	592	869
Job losers	3,849	6,068	2,888	4,748	961	1,319	318	523
On layoff	1,163	2,017	943	1,681	220	336	97	122
Other job losers	2,686	4,051	1,945	3,067	742	984	221	401
Job leavers	1,002	876	815	725	187	151	62	75
Reentrants	2,068	2,468	1,541	1,871	527	597	117	161
New entrants	1,068	1,402	726	897	342	506	95	110
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	48.2	56.2	48.4	57.6	47.7	51.2	53.7	60.2
On layoff	14.6	18.7	15.8	20.4	10.9	13.0	16.4	14.0
Other job losers	33.6	37.5	32.6	37.2	36.8	38.2	37.3	46.1
Job leavers	12.5	8.1	13.7	8.8	9.3	5.9	10.5	8.6
Reentrants	25.9	22.8	25.8	22.7	26.1	23.2	19.8	18.5
New entrants	13.4	13.0	12.2	10.9	16.9	19.7	16.0	12.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	3.5	5.4	3.0	4.9	7.0	9.1	5.3	8.6
Job leavers9	.8	.9	.7	1.4	1.0	1.0	1.2
Reentrants	1.9	2.2	1.6	1.9	3.8	4.1	1.9	2.6
New entrants	1.0	1.3	.8	.9	2.5	3.5	1.6	1.8

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A-67. Employment status of male Vietnam-era veterans and nonveterans by age

[Numbers in thousands]

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
							Number		Percent of labor force	
III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	
VETERANS										
Total, 25 years and over	8,580	8,703	8,170	8,208	7,770	7,566	400	641	4.9	7.8
25 to 29 years	7,318	7,109	7,066	6,816	6,704	6,245	362	571	5.1	8.4
30 to 34 years	1,459	1,177	1,368	1,113	1,266	965	102	148	7.4	13.3
35 to 39 years	3,286	2,882	3,195	2,759	3,047	2,530	148	229	4.6	8.3
40 years and over	2,573	3,050	2,503	2,944	2,391	2,750	112	194	4.5	6.6
	1,262	1,595	1,104	1,392	1,065	1,321	39	71	3.5	5.1
NONVETERANS										
Total, 25 to 39 years	17,336	18,339	16,385	17,390	15,452	15,797	934	1,593	5.7	9.2
25 to 29 years	7,901	8,204	7,465	7,752	6,969	6,912	495	840	6.6	10.8
30 to 34 years	5,562	6,032	5,273	5,739	4,962	5,275	311	464	5.9	8.1
35 to 39 years	3,873	4,102	3,647	3,899	3,520	3,611	127	288	3.5	7.4

NOTE: Vietnam-era veterans are males who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are males 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-68. 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 and other		Hispanic origin		White		Black and other		Hispanic origin	
	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982
Total, 25 to 39 years:												
Civilian noninstitutional population	6,532	6,306	786	803	299	305	14,926	15,826	2,410	2,512	1,371	1,429
Civilian labor force	6,335	6,088	731	728	285	295	14,286	15,154	2,100	2,236	1,283	1,343
Employed	6,030	5,637	675	608	270	266	13,605	13,963	1,848	1,835	1,187	1,178
Unemployed	305	451	56	120	15	29	681	1,191	252	401	96	165
Unemployment rate	4.8	7.4	7.7	16.5	5.3	9.8	4.8	7.9	12.0	17.9	7.5	12.3
25 to 29 years												
Civilian noninstitutional population	1,261	998	198	179	93	51	6,859	7,138	1,042	1,066	604	625
Civilian labor force	1,196	954	172	159	90	51	6,567	6,817	897	935	569	591
Employed	1,113	850	153	115	87	44	6,197	6,176	772	736	527	506
Unemployed	83	104	19	44	3	7	370	641	125	199	42	85
Unemployment rate	6.9	10.9	11.0	27.7	3.3	13.7	5.6	9.4	13.9	21.3	7.4	14.4
30 to 34 years												
Civilian noninstitutional population	2,952	2,554	334	328	106	122	4,763	5,187	799	845	447	467
Civilian labor force	2,881	2,458	314	301	102	117	4,565	4,983	709	756	415	440
Employed	2,752	2,268	296	262	97	102	4,346	4,647	617	628	375	387
Unemployed	129	190	18	39	5	15	219	336	92	128	40	53
Unemployment rate	4.5	7.7	5.7	13.0	4.9	12.8	4.8	6.7	13.0	16.9	9.6	12.0
35 to 39 years												
Civilian noninstitutional population	2,319	2,754	254	296	100	132	3,304	3,501	569	601	320	337
Civilian labor force	2,258	2,676	245	268	93	127	3,154	3,354	494	545	299	312
Employed	2,165	2,519	226	231	86	120	3,062	3,140	459	471	285	285
Unemployed	93	157	19	37	7	7	92	214	35	74	14	27
Unemployment rate	4.1	5.9	7.8	13.8	7.5	5.5	2.9	6.4	7.1	13.6	4.7	8.7

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A-69. Employment status of the noninstitutional population in metropolitan and nonmetropolitan areas by sex, age, and race

(Numbers in thousands)

Employment status, sex, age, and race	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982
TOTAL												
Civilian noninstitutional population	115,945	117,847	47,626	48,319	68,319	69,528	54,468	54,675	4,402	4,211	50,066	50,464
Civilian labor force	75,621	77,455	29,907	30,636	45,714	46,819	34,084	34,197	2,928	2,822	31,156	31,375
Percent of population	65.2	65.7	62.8	63.4	66.9	67.3	62.6	62.5	66.5	67.0	62.2	62.2
Employed	70,127	70,011	27,256	27,156	42,871	42,855	31,590	30,829	2,847	2,701	28,743	28,128
Unemployed	5,494	7,445	2,652	3,481	2,842	3,964	2,493	3,368	81	121	2,412	3,247
Unemployment rate	7.3	9.6	8.9	11.4	6.2	8.5	7.3	9.9	2.8	4.3	7.7	10.3
Not in labor force	40,324	40,391	17,719	17,683	22,605	22,708	20,384	20,478	1,474	1,389	18,910	19,089
Males, 20 years and over												
Civilian noninstitutional population	49,356	50,264	19,988	20,198	29,368	30,066	23,211	23,511	2,013	1,944	21,198	21,567
Civilian labor force	39,617	40,221	15,416	15,611	24,201	24,610	17,940	18,147	1,665	1,619	16,275	16,528
Percent of population	80.3	80.0	77.1	77.3	82.4	81.9	77.3	77.2	82.7	83.3	76.8	76.6
Employed	37,367	36,825	14,317	13,983	23,050	22,842	16,972	16,625	1,642	1,567	15,330	15,058
Unemployed	2,250	3,396	1,099	1,628	1,151	1,768	968	1,522	23	52	945	1,470
Unemployment rate	5.7	8.4	7.1	10.4	4.8	7.2	5.4	8.4	1.4	3.2	5.8	8.9
Not in labor force	9,738	10,044	4,571	4,588	5,167	5,456	5,271	5,365	348	325	4,923	5,040
Females, 20 years and over												
Civilian noninstitutional population	55,775	56,973	23,496	23,959	32,279	33,014	25,900	26,065	1,908	1,829	23,992	24,236
Civilian labor force	29,503	30,823	12,212	12,729	17,291	18,094	12,745	12,974	919	904	11,826	12,070
Percent of population	52.9	54.1	52.0	53.1	53.6	54.8	49.2	49.8	48.2	49.4	49.3	49.8
Employed	27,443	28,199	11,197	11,513	16,246	16,686	11,813	11,795	886	863	10,927	10,932
Unemployed	2,060	2,623	1,015	1,216	1,045	1,407	933	1,179	33	41	900	1,138
Unemployment rate	7.0	8.5	8.3	9.6	6.0	7.8	7.3	9.1	3.6	4.5	7.6	9.4
Not in labor force	26,272	26,150	11,284	11,229	14,988	14,921	13,154	13,091	988	925	12,166	12,166
Both sexes, 16-19 years												
Civilian noninstitutional population	10,814	10,610	4,142	4,162	6,672	6,448	5,357	5,099	481	438	4,876	4,661
Civilian labor force	6,501	6,412	2,279	2,296	4,222	4,116	3,398	3,077	344	299	3,054	2,778
Percent of population	60.1	60.4	55.0	55.2	63.3	63.8	63.4	60.3	71.4	68.1	62.6	59.6
Employed	5,317	4,987	1,742	1,659	3,575	3,328	2,806	2,409	319	271	2,487	2,138
Unemployed	1,184	1,426	537	637	647	789	592	667	25	28	567	639
Unemployment rate	18.2	22.2	23.6	27.7	15.3	19.2	17.4	21.7	7.1	9.4	18.6	23.0
Not in labor force	4,314	4,198	1,863	1,866	2,451	2,332	1,959	2,022	138	140	1,821	1,882
White												
Civilian noninstitutional population	98,743	99,921	35,865	36,118	62,878	63,803	49,420	49,665	4,159	4,033	45,261	45,632
Civilian labor force	64,786	66,046	22,831	23,188	41,955	42,858	31,081	31,181	2,796	2,726	28,285	28,455
Percent of population	65.6	66.1	63.7	64.2	66.7	67.2	62.9	62.8	67.2	67.6	62.5	62.4
Employed	60,888	60,601	21,324	21,130	39,564	39,471	29,009	28,385	2,729	2,619	26,280	25,766
Unemployed	3,898	5,445	1,506	2,058	2,392	3,387	2,072	2,796	68	107	2,004	2,689
Unemployment rate	6.0	8.2	6.6	8.9	5.7	7.9	6.7	9.0	2.4	3.9	7.1	9.5
Not in labor force	33,957	33,875	13,033	12,929	20,924	20,946	18,339	18,484	1,363	1,307	16,976	17,177
Black and other												
Civilian noninstitutional population	17,202	17,926	11,761	12,202	5,441	5,724	5,047	5,010	243	178	4,804	4,832
Civilian labor force	10,835	11,410	7,076	7,449	3,759	3,961	3,002	3,016	131	96	2,871	2,920
Percent of population	63.0	63.7	60.2	61.0	69.1	69.2	59.5	60.2	54.1	53.8	59.8	60.4
Employed	9,239	9,409	5,932	6,026	3,307	3,383	2,581	2,444	118	82	2,463	2,362
Unemployed	1,596	2,000	1,145	1,423	451	577	422	573	13	14	409	559
Unemployment rate	14.7	17.5	16.2	19.1	12.0	14.6	14.0	19.0	9.9	14.9	14.2	19.1
Not in labor force	6,367	6,516	4,685	4,754	1,682	1,762	2,045	1,994	111	82	1,934	1,912

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A-70. Employment status of the noninstitutional population in poverty and nonpoverty areas by race

(Number 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 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982
TOTAL												
Civilian noninstitutional population	30,284	30,480	140,128	142,042	11,474	11,586	104,471	106,261	18,811	18,894	35,657	35,781
Civilian labor force	17,294	17,455	92,410	94,198	6,309	6,452	69,312	71,004	10,985	11,003	23,099	23,194
Percent of population	57.1	57.3	65.9	66.3	55.0	55.7	66.3	66.8	58.4	58.2	64.8	64.8
Employed	15,501	15,118	86,216	85,721	5,416	5,311	64,711	64,700	10,085	9,807	21,506	21,022
Unemployed	1,793	2,337	6,194	8,476	893	1,141	4,601	6,304	900	1,196	1,593	2,172
Unemployment rate	10.4	13.4	6.7	9.0	14.2	17.7	6.6	8.9	8.2	10.9	6.9	9.4
Not in labor force	12,991	13,025	47,718	47,844	5,165	5,134	35,159	35,257	7,826	7,890	12,558	12,587
White												
Civilian noninstitutional population	21,241	21,594	126,922	127,992	5,852	6,003	92,891	93,919	15,389	15,591	34,031	34,073
Civilian labor force	12,438	12,621	83,430	84,606	3,355	3,482	61,431	62,564	9,082	9,139	21,999	22,042
Percent of population	58.6	58.4	65.7	66.1	57.3	58.0	66.1	66.6	59.0	58.6	64.6	64.7
Employed	11,532	11,340	78,366	77,646	3,062	3,030	57,827	57,571	8,470	8,310	20,539	20,075
Unemployed	906	1,280	5,064	6,960	294	452	3,604	4,993	612	829	1,460	1,967
Unemployment rate	7.3	10.1	6.1	8.2	8.8	13.0	5.9	8.0	6.7	9.1	6.6	8.9
Not in labor force	8,804	8,973	43,493	43,386	2,497	2,521	31,460	31,355	6,307	6,453	12,032	12,031
Black and other												
Civilian noninstitutional population	9,043	8,886	13,206	14,050	5,622	5,583	11,580	12,342	3,421	3,302	1,626	1,708
Civilian labor force	4,856	4,834	8,981	9,592	2,954	2,970	7,881	8,440	1,903	1,865	1,100	1,152
Percent of population	53.7	54.4	68.0	68.3	52.5	53.2	68.1	68.4	55.6	56.5	67.6	67.4
Employed	3,969	3,778	7,851	8,075	2,355	2,281	6,884	7,129	1,615	1,497	966	947
Unemployed	887	1,057	1,130	1,516	599	689	997	1,311	288	368	133	205
Unemployment rate	18.3	21.9	12.6	15.8	20.3	23.2	12.6	15.5	15.1	19.7	12.1	17.8
Not in labor force	4,187	4,051	4,225	4,459	2,668	2,614	3,699	3,902	1,519	1,437	526	556

A-71. Unemployment rates in poverty and nonpoverty areas by race, sex, and age

Race, sex, and age	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982	III 1981	III 1982
TOTAL												
Both sexes, 16 years and over	10.4	13.4	6.7	9.0	14.2	17.7	6.6	8.9	8.2	10.9	6.9	9.4
Males, 20 years and over	8.1	11.7	5.1	7.8	11.7	16.6	5.1	7.7	6.1	9.0	5.1	8.1
Females, 20 years and over	10.1	12.0	6.5	8.1	13.4	14.7	6.4	7.9	8.1	10.2	7.0	8.6
Both sexes, 16-19 years	24.2	29.5	16.7	20.6	31.7	37.7	16.9	20.7	20.3	24.7	16.1	20.3
White												
Both sexes, 16 years and over	7.3	10.1	6.1	8.2	8.8	13.0	5.9	8.0	6.7	9.1	6.6	8.9
Males, 20 years and over	5.8	8.9	4.6	7.2	7.5	11.8	4.5	7.0	5.1	7.8	4.9	7.8
Females, 20 years and over	6.9	9.2	5.9	7.4	8.0	11.5	5.6	7.2	6.5	8.4	6.7	8.0
Both sexes, 16-19 years	18.2	21.8	15.1	18.5	21.9	27.6	14.9	18.1	17.0	19.8	15.5	19.4
Black and other												
Both sexes, 16 years and over	18.3	21.9	12.6	15.8	20.3	23.2	12.6	15.5	15.1	19.7	12.1	17.8
Males, 20 years and over	15.4	20.3	10.0	13.9	17.8	23.4	10.2	13.9	11.7	15.7	8.6	14.4
Females, 20 years and over	16.7	17.9	11.5	13.4	18.3	17.8	11.4	12.9	14.2	18.2	12.2	17.5
Both sexes, 16-19 years	38.1	47.1	35.2	40.6	40.0	47.9	36.4	42.1	35.1	45.9	28.7	33.5

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A-72. 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 1981					III 1982				
	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	61,139	6,173	27.2	72.8	65.0	61,889	8,141	29.3	70.7	61.2
With children under 18 years of age	31,097	3,836	28.3	71.7	64.0	31,202	5,014	31.5	68.5	59.1
Married-couple families	49,360	4,430	18.8	81.2	74.1	49,915	6,076	22.5	77.5	68.3
With children under 18 years of age	24,509	2,793	17.5	82.5	75.3	24,587	3,836	23.0	77.0	67.5
Families maintained by females	9,364	1,434	50.7	49.3	39.0	9,607	1,701	51.5	48.5	38.0
With children under 18 years of age	5,725	934	58.7	41.3	32.0	5,775	1,055	60.5	39.5	29.5
Families maintained by males	2,415	309	39.0	61.0	54.2	2,367	365	39.3	60.7	51.1
With children under 18 years of age	862	109	43.5	56.5	50.0	841	123	48.8	51.2	48.0
White										
Total families	53,250	4,688	24.4	75.6	68.0	53,786	6,313	27.0	73.0	63.6
With children under 18 years of age	26,290	2,863	24.3	75.7	67.9	26,241	3,829	28.7	71.3	61.5
Married-couple families	44,837	3,678	18.4	81.6	74.6	45,209	5,042	22.3	77.7	68.4
With children under 18 years of age	21,830	2,280	16.9	83.1	75.9	21,801	3,151	22.8	77.2	67.4
Families maintained by females	6,447	790	47.9	52.1	40.8	6,676	1,004	48.0	52.0	41.3
With children under 18 years of age	3,742	496	55.2	44.8	33.9	3,767	584	57.7	42.3	31.0
Families maintained by males	1,967	220	39.1	60.9	55.0	1,901	267	36.8	63.2	55.3
With children under 18 years of age	718	87	42.5	57.5	50.6	674	94	46.8	53.2	51.1
Black										
Total families	6,602	1,332	37.1	62.9	54.5	6,743	1,595	37.6	62.4	52.7
With children under 18 years of age	3,998	879	40.7	59.3	52.0	4,105	1,027	41.1	58.9	50.6
Married-couple families	3,533	638	20.7	79.3	71.5	3,624	850	22.0	78.0	69.1
With children under 18 years of age	2,029	441	20.1	79.9	72.6	2,075	552	22.1	77.9	69.8
Families maintained by females	2,706	615	53.9	46.1	37.2	2,725	659	56.4	43.6	33.4
With children under 18 years of age	1,849	417	62.0	38.0	30.6	1,885	448	63.9	36.1	27.4
Families maintained by males	363	79	38.0	62.0	51.9	394	86	46.5	53.5	39.5
With children under 18 years of age	119	20	(1)	(1)	(1)	146	26	(1)	(1)	(1)
Hispanic origin										
Total families	3,430	484	31.7	68.3	61.1	3,449	648	32.9	67.1	57.3
With children under 18 years of age	2,309	334	34.0	66.0	60.0	2,309	454	36.6	63.4	55.8
Married-couple families	2,549	329	24.3	75.7	71.1	2,570	479	27.3	72.7	63.5
With children under 18 years of age	1,731	246	22.8	77.2	73.2	1,740	359	29.5	70.5	62.7
Families maintained by females	691	120	52.9	47.1	33.6	719	131	55.0	45.0	32.8
With children under 18 years of age	511	78	64.6	35.4	25.3	512	83	66.3	33.7	24.1
Families maintained by males	191	35	(1)	(1)	(1)	161	38	(1)	(1)	(1)
With children under 18 years of age	67	10	(1)	(1)	(1)	57	12	(1)	(1)	(1)

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

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-73. Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	III 1981				III 1982			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed persons in family	With at least one employed person in family	With at least one person in family employed full time		With no employed persons in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL								
Total unemployed	7,987	39.0	61.0	54.3	10,813	41.3	58.7	50.6
In families	6,850	28.9	71.1	63.3	9,322	31.9	68.1	58.7
Husbands	1,432	43.8	56.2	43.9	2,428	45.3	54.7	41.0
With children under 18 years of age	902	46.3	53.7	40.5	1,580	50.5	49.5	34.6
Wives	1,458	14.7	85.3	80.4	1,900	20.4	79.6	72.3
With children under 18 years of age	913	12.3	87.7	82.6	1,239	18.2	81.8	74.8
Relatives in married-couple families	1,965	8.7	91.3	86.3	2,594	10.9	89.1	83.0
Females who maintain families	600	81.4	18.6	10.5	713	84.0	16.0	9.2
With children under 18 years of age	503	87.0	13.0	5.9	598	89.6	10.4	4.7
Relatives in families maintained by females	1,055	32.4	67.6	56.4	1,249	33.8	66.2	53.9
Males who maintain families	119	64.0	36.0	30.8	150	65.8	34.2	20.3
With children under 18 years of age	48	(2)	(2)	(2)	58	(2)	(2)	(2)
Relatives in families maintained by males	220	27.4	72.6	65.5	287	29.5	70.5	60.7
Not in families ¹	1,137	--	--	--	1,491	--	--	--
White								
Total unemployed	5,970	36.8	63.2	56.8	8,241	39.4	60.6	52.5
In families	5,102	26.0	74.0	66.4	7,081	29.5	70.5	61.1
Husbands	1,169	43.7	56.3	43.1	2,023	45.2	54.8	40.4
With children under 18 years of age	715	46.3	53.7	39.2	1,292	50.3	49.7	33.6
Wives	1,221	13.3	86.7	81.9	1,591	19.0	81.0	74.3
With children under 18 years of age	747	10.1	89.9	85.0	1,025	16.7	83.3	76.6
Relatives in married-couple families	1,611	8.1	91.9	87.8	2,048	10.2	89.8	83.9
Females who maintain families	332	78.0	22.0	11.7	412	79.2	20.8	11.6
With children under 18 years of age	269	83.8	16.2	6.6	337	86.7	13.3	5.4
Relatives in families maintained by females	533	30.8	69.2	57.9	705	31.0	69.0	57.4
Males who maintain families	87	66.2	33.8	30.2	102	69.8	30.2	20.2
With children under 18 years of age	38	(2)	(2)	(2)	43	(2)	(2)	(2)
Relatives in families maintained by males	149	28.7	71.3	65.6	201	24.3	75.7	68.0
Not in families ¹	868	--	--	--	1,160	--	--	--
Black								
Total unemployed	1,803	46.3	53.7	46.3	2,249	47.7	52.3	43.9
In families	1,564	38.1	61.9	53.3	1,957	39.9	60.1	50.5
Husbands	227	44.2	55.8	48.2	322	43.0	57.0	47.1
With children under 18 years of age	164	46.0	54.0	46.9	224	47.3	52.7	43.1
Wives	192	23.6	76.4	71.2	252	28.0	72.0	61.7
With children under 18 years of age	138	23.5	76.5	69.7	171	25.4	74.6	64.3
Relatives in married-couple families	299	10.9	89.1	79.2	455	12.3	87.7	80.2
Females who maintain families	252	85.3	14.7	9.3	291	91.1	8.9	5.9
With children under 18 years of age	220	90.6	9.4	5.5	254	93.8	6.2	3.8
Relatives in families maintained by females	506	33.9	66.1	55.3	519	36.9	63.1	49.6
Males who maintain families	26	(2)	(2)	(2)	42	(2)	(2)	(2)
With children under 18 years of age	9	(2)	(2)	(2)	14	(2)	(2)	(2)
Relatives in families maintained by males	63	21.8	78.2	67.1	76	43.5	56.5	45.5
Not in families ¹	239	--	--	--	292	--	--	--
Hispanic origin								
Total unemployed	592	40.4	59.6	53.2	869	41.8	58.2	49.1
In families	527	33.1	66.9	59.7	774	34.7	65.3	55.2
Husbands	127	52.2	47.8	40.9	206	51.2	48.8	39.9
With children under 18 years of age	96	52.7	47.3	40.0	168	54.2	45.8	37.9
Wives	100	13.8	86.2	78.5	140	19.1	80.9	70.8
With children under 18 years of age	72	11.8	88.2	83.6	102	21.0	79.0	70.8
Relatives in married-couple families	124	7.6	92.4	92.2	230	15.9	84.1	75.0
Females who maintain families	46	(2)	(2)	(2)	52	(2)	(2)	(2)
With children under 18 years of age	36	(2)	(2)	(2)	45	(2)	(2)	(2)
Relatives in families maintained by females	90	38.8	61.2	47.5	106	42.0	58.0	41.8
Males who maintain families	18	(2)	(2)	(2)	13	(2)	(2)	(2)
With children under 18 years of age	7	(2)	(2)	(2)	5	(2)	(2)	(2)
Relatives in families maintained by males	22	(2)	(2)	(2)	27	(2)	(2)	(2)
Not in families ¹	65	--	--	--	95	--	--	--

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 Percent not shown where base is less than 60,000.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-74. Employed persons by family relationship, race, Hispanic origin, and presence of additional employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	III 1981				III 1982			
	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	101,717	37.4	62.6	53.9	100,839	37.9	62.1	52.6
In families	86,067	26.0	74.0	63.7	85,364	26.6	73.4	62.1
Husbands	38,250	37.1	62.9	46.9	37,549	37.0	63.0	45.9
With children under 18 years of age	22,512	39.8	60.2	41.7	21,952	40.0	60.0	40.5
Wives	23,170	9.1	90.9	86.5	23,559	10.6	89.4	83.7
With children under 18 years of age	12,350	5.3	94.7	91.2	12,515	7.1	92.9	87.9
Relatives in married-couple families	12,895	5.5	94.5	90.9	12,409	6.4	93.6	89.1
Females who maintain families	4,941	65.3	34.7	24.0	5,137	64.8	35.2	23.5
With children under 18 years of age	3,309	77.3	22.7	12.8	3,331	77.3	22.7	11.8
Relatives in families maintained by females	3,777	27.0	73.0	62.7	3,879	26.3	73.7	61.9
Males who maintain families	1,707	54.0	46.0	34.6	1,634	58.0	42.0	32.1
With children under 18 years of age	740	66.4	33.6	20.1	696	74.3	25.7	16.4
Relatives in families maintained by males	1,327	16.3	83.7	77.8	1,198	18.3	81.7	71.9
Not in families ¹	15,650	--	--	--	15,475	--	--	--
White								
Total employed	89,898	36.9	63.1	54.2	88,986	37.4	62.6	52.9
In families	76,238	25.6	74.4	63.9	75,416	26.1	73.9	62.4
Husbands	34,898	37.6	62.4	45.9	34,161	37.4	62.6	45.0
With children under 18 years of age	20,259	40.6	59.4	40.1	19,681	40.7	59.3	39.0
Wives	20,735	8.6	91.4	87.0	21,036	10.2	89.8	84.3
With children under 18 years of age	10,809	4.7	95.3	91.9	10,910	6.6	93.4	88.7
Relatives in married-couple families	11,703	5.3	94.7	91.3	11,215	6.4	93.6	89.4
Females who maintain families	3,584	63.4	36.6	24.8	3,740	61.9	38.1	25.4
With children under 18 years of age	2,374	76.0	24.0	12.9	2,370	75.3	24.7	12.6
Relatives in families maintained by females	2,816	27.2	72.8	62.6	2,952	26.0	74.0	62.6
Males who maintain families	1,425	53.7	46.3	34.2	1,361	57.7	42.3	31.9
With children under 18 years of age	634	64.7	35.3	20.8	575	73.5	26.5	16.9
Relatives in families maintained by males	1,078	15.3	84.7	78.9	952	16.8	83.2	72.8
Not in families ¹	13,660	--	--	--	13,570	--	--	--
Black								
Total employed	9,457	43.2	56.8	49.6	9,362	43.4	56.6	48.2
In families	7,800	31.2	68.8	60.2	7,833	32.4	67.6	57.6
Husbands	2,545	31.2	68.8	57.8	2,550	32.0	68.0	56.4
With children under 18 years of age	1,679	31.0	69.0	58.6	1,671	32.6	67.4	55.7
Wives	1,852	14.9	85.1	79.3	1,919	15.7	84.3	76.1
With children under 18 years of age	1,170	11.0	89.0	83.6	1,199	12.1	87.9	80.6
Relatives in married-couple families	871	7.8	92.2	84.7	829	6.8	93.2	84.5
Females who maintain families	1,245	71.4	28.6	21.3	1,279	73.6	26.4	17.6
With children under 18 years of age	869	81.2	18.8	12.0	886	82.6	17.4	9.5
Relatives in families maintained by females	874	27.3	72.7	61.8	834	27.7	72.3	58.9
Males who maintain families	229	55.4	44.6	35.5	228	60.9	39.1	31.6
With children under 18 years of age	88	77.4	22.6	14.7	106	76.5	23.5	14.9
Relatives in families maintained by males	184	22.3	77.7	71.0	194	27.0	73.0	65.7
Not in families ¹	1,657	--	--	--	1,529	--	--	--
Hispanic origin								
Total employed	5,454	38.2	61.8	54.1	5,232	40.4	59.6	50.8
In families	4,730	28.7	71.3	62.4	4,511	30.9	69.1	58.9
Husbands	2,090	41.9	58.1	47.0	2,011	43.8	56.2	43.3
With children under 18 years of age	1,512	44.7	55.3	43.5	1,459	46.3	53.7	40.2
Wives	1,092	8.4	91.6	85.1	1,087	10.8	89.2	82.5
With children under 18 years of age	744	6.7	93.3	87.6	740	9.7	90.3	84.3
Relatives in married-couple families	758	5.7	94.3	89.5	617	8.0	92.0	85.1
Females who maintain families	285	68.8	31.2	22.6	311	65.9	34.1	24.7
With children under 18 years of age	203	80.0	20.0	12.5	204	80.8	19.2	11.4
Relatives in families maintained by females	230	26.3	73.7	62.8	272	24.7	75.3	61.6
Males who maintain families	145	50.8	49.2	35.1	116	54.8	45.2	37.1
With children under 18 years of age	51	(2)	(2)	(2)	40	(2)	(2)	(2)
Relatives in families maintained by males	130	11.5	88.5	78.9	97	11.0	89.0	78.3
Not in families ¹	724	--	--	--	721	--	--	--

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 Percent not shown where base is less than 60,000.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-75. 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 1981	II 1982	II 1981	II 1982	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Total families with earners ¹	41,682	40,931	\$431	\$455	5.7	-0.8
Married-couple families	33,999	33,235	467	500	7.2	.6
One earner	14,605	14,490	332	345	4.0	-2.5
Husband	11,963	11,426	371	393	6.1	-.5
Wife	2,048	2,404	178	201	12.6	5.6
Other family member	593	660	183	190	4.3	-2.2
Two or more earners	19,395	18,746	576	618	7.4	.8
Husband and wife	16,543	15,930	578	622	7.6	1.0
Husband and other family member(s)	2,264	2,235	600	646	7.6	1.0
Wife and other family member(s)	446	446	369	375	1.8	-4.5
Other family members only	142	134	417	396	-5.1	-11.0
Families maintained by females	5,865	5,891	241	253	5.0	-1.5
One earner	4,185	4,185	199	207	4.0	-2.4
Householder	3,337	3,328	202	214	5.5	-1.0
Other family member	848	857	184	185	-.5	-5.7
Two or more earners	1,680	1,706	393	417	6.3	-.2
Families maintained by males	1,817	1,805	374	419	11.9	5.0
One earner	1,154	1,098	310	346	11.5	4.6
Two or more earners	662	707	529	556	5.1	-1.4
White						
Total families with earners ¹	36,253	35,523	442	471	6.6	.0
Married-couple families	30,474	29,709	473	507	7.3	-.7
One earner	13,236	13,039	342	355	4.0	-2.4
Husband	10,970	10,422	378	401	6.2	-.4
Wife	1,747	2,028	178	200	12.1	5.2
Two or more earners	17,238	16,670	583	624	7.1	-.5
Husband and wife	14,666	14,079	586	628	7.2	-.6
Families maintained by females	4,284	4,344	250	264	5.5	-1.0
Families maintained by males	1,495	1,469	392	433	10.4	3.6
Black						
Total families with earners ¹	4,507	4,475	321	344	7.2	-.6
Married-couple families	2,786	2,747	399	418	4.7	-1.7
One earner	1,086	1,137	228	248	8.6	1.9
Husband	779	759	252	289	14.4	7.3
Wife	249	322	174	207	18.7	11.4
Two or more earners	1,700	1,610	510	551	7.9	1.2
Husband and wife	1,486	1,448	512	560	9.4	2.6
Families maintained by females	1,445	1,446	211	219	3.9	-2.5
Families maintained by males	277	282	299	377	26.2	18.4
Hispanic origin						
Total families with earners ¹	2,522	2,406	362	374	3.3	-3.1
Married-couple families	1,983	1,905	396	404	2.0	-4.3
One earner	945	867	262	266	1.5	-4.8
Husband	822	740	294	286	-2.6	-8.6
Wife	82	88	(2)	(2)	--	--
Two or more earners	1,038	1,038	489	527	7.9	1.2
Husband and wife	845	825	501	529	5.6	-1.0
Families maintained by females	366	352	198	247	25.2	17.5
Families maintained by males	173	150	334	387	15.7	8.6

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 Median 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 these earnings data. 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.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-76. 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 1981	II 1982	II 1981	II 1982	Percent change over the year in:	
					Current dollars	Constant dollars
Married-couple families ¹	3,254	3,978	\$342	\$354	3.4	-3.0
Husband unemployed	849	1,214	184	207	12.3	5.4
Wife only earner	648	934	173	196	13.6	6.5
Wife and other earner(s)	118	142	352	378	7.2	.6
Other earner(s) only	84	139	(2)	170	--	--
Wife unemployed	1,028	1,233	\$314	351	11.7	4.8
Husband only earner	883	1,040	294	327	11.2	4.3
Husband and other earner(s)	124	178	602	639	6.2	-4.4
Other earner(s) only	21	16	(2)	(2)	--	--
Other member(s) unemployed	1,378	1,530	518	548	5.7	-9.9
Husband or wife earner	644	639	410	438	6.9	.3
Both husband and wife earners	689	841	633	624	-1.4	-7.5
Other combinations of earners	45	50	(2)	(2)	--	--
Families maintained by females ¹	638	742	221	234	5.8	-7.7
Householder unemployed	67	89	(2)	(2)	--	--
Other member(s) unemployed	571	653	\$225	\$250	10.9	4.1
Families maintained by males ¹	200	224	303	312	2.7	-3.7

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 Median not shown where base is less than 100,000.

HOUSEHOLD DATA
QUARTERLY AVERAGES

A-77. Median weekly earnings of full-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	II 1981	II 1982	II 1981	II 1982	Percent change over the year in :	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 16 years and over	72,709	70,653	\$284	\$308	8.3	1.6
Males, 16 years and over	44,277	42,635	343	370	7.9	1.2
16 to 24 years	7,756	6,916	225	234	4.0	-2.5
25 years and over	36,521	35,719	373	402	7.7	1.0
Females, 16 years and over	28,433	28,018	221	240	8.7	2.0
16 to 24 years	5,969	5,445	181	196	8.0	1.3
25 years and over	22,464	22,573	234	254	8.6	1.9
FAMILY RELATIONSHIP						
Husbands	30,404	29,150	378	405	7.1	.4
Wives	14,642	14,543	226	247	8.9	2.2
Others in married-couple families	6,580	6,025	194	211	8.7	2.0
Females who maintain families	4,001	4,002	226	241	6.6	.0
Others in such families	2,294	2,319	203	213	4.9	-1.5
Males who maintain families	1,493	1,447	343	377	10.0	3.2
Others in such families	868	918	200	232	15.9	8.8
All other males ¹	6,704	6,532	314	346	10.2	3.4
All other females ¹	5,722	5,717	238	262	10.1	3.3
RACE AND HISPANIC ORIGIN						
White	63,477	61,581	292	316	8.1	1.4
Males	39,246	37,778	352	380	8.0	1.4
Females	24,231	23,803	223	243	8.7	2.0
Black	7,486	7,323	233	248	6.6	.0
Males	4,049	3,888	264	290	9.7	2.9
Females	3,437	3,436	206	221	7.4	.8
Hispanic origin	4,254	4,038	230	248	7.6	1.0
Males	2,730	2,560	257	276	7.6	1.0
Females	1,524	1,477	189	209	10.7	3.8

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

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-78. Median weekly earnings of part-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	II 1981	II 1982	II 1981	II 1982	Percent change over the year in:	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 18 years and over	16,333	16,943	\$80	\$83	3.9	-2.5
Males, 18 years and over	5,031	5,301	76	80	4.5	-1.9
16 to 24 years	3,159	3,263	67	67	.0	-6.2
25 years and over	1,872	2,038	102	107	4.9	-1.5
Females, 18 years and over	11,302	11,642	82	86	6.0	-6.6
16 to 24 years	3,847	3,975	66	68	2.9	-3.4
25 years and over	7,455	7,667	92	100	9.2	2.5
FAMILY RELATIONSHIP						
Husbands	3,316	1,454	101	103	2.3	-4.0
Wives	6,088	6,119	93	101	9.3	2.5
Others in married-couple families	4,654	4,768	65	65	.0	-6.2
Females who maintain families	848	839	90	99	9.6	2.8
Others in such families	1,028	1,228	66	68	3.4	-3.0
Males who maintain families	86	83	(2)	(2)	--	--
Others in such families	318	345	66	76	14.5	7.4
All other males ¹	675	708	103	103	-3.3	-6.5
All other females ¹	1,318	1,400	84	93	10.9	4.1
RACE AND HISPANIC ORIGIN						
White	14,493	15,182	80	83	4.2	-2.3
Males	4,391	4,662	75	79	5.3	-1.2
Females	10,102	10,520	81	86	6.0	-5.5
Black	1,512	1,395	82	83	.8	-5.4
Males	517	467	84	83	-5.5	-6.7
Females	996	927	82	82	.9	-5.3
Hispanic origin	748	781	84	86	2.2	-4.1
Males	273	288	81	83	2.3	-4.1
Females	474	493	88	89	1.5	-4.7

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.

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

HOUSEHOLD DATA
QUARTERLY AVERAGES

A-79. 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			
	II 1981	II 1982	II 1981	II 1982	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Professional and technical workers	12,663	12,901	\$368	\$411	11.8	4.9
Managers and administrators, except farm	7,773	7,807	407	436	7.0	.4
Sales workers	3,655	3,695	300	326	8.5	1.8
Clerical workers	14,086	13,811	230	247	7.4	.8
Craft and kindred workers	10,992	10,285	347	370	6.8	.2
Operatives, except transport	9,271	8,421	242	252	4.2	-2.2
Transport equipment operatives	2,850	2,684	298	325	8.9	2.2
Nonfarm laborers	3,284	3,035	236	250	5.9	-1.6
Service workers	7,336	7,268	189	201	6.6	.1
Farm workers	799	746	179	189	5.6	-1.9
Males						
Professional and technical workers	7,313	7,516	431	489	13.5	6.5
Managers and administrators, except farm	5,567	5,516	457	520	13.8	6.7
Sales workers	2,474	2,443	350	397	13.6	6.6
Clerical workers	3,027	3,011	327	337	3.0	-3.3
Craft and kindred workers	10,424	9,665	353	380	7.8	1.1
Operatives, except transport	5,669	5,085	303	310	2.4	-3.9
Transport equipment operatives	2,711	2,548	301	330	9.8	3.0
Nonfarm laborers	2,960	2,725	241	256	6.2	-1.4
Service workers	3,433	3,448	233	247	5.8	-1.7
Farm workers	699	677	183	191	4.4	-2.0
Females						
Professional and technical workers	5,351	5,385	309	338	9.6	2.9
Managers and administrators, except farm	2,206	2,291	272	310	14.0	7.0
Sales workers	1,181	1,251	188	222	17.7	10.4
Clerical workers	11,059	10,800	217	236	8.4	1.7
Craft and kindred workers	567	620	228	232	1.7	-4.6
Operatives, except transport	3,602	3,336	187	197	5.3	-1.2
Transport equipment operatives	139	137	262	233	-11.0	-16.5
Nonfarm laborers	324	309	201	208	3.8	-2.6
Service workers	3,903	3,820	164	174	6.4	-1.2
Farm workers	100	69	156	(1)	--	--

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

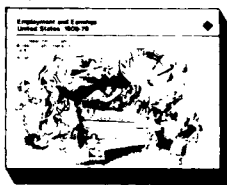
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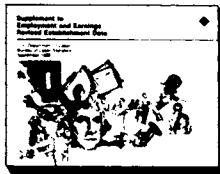
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ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
-	TOTAL	91,087	91,620	89,238	89,013	89,299	-	-	-	-	-
-	PRIVATE SECTOR	75,990	76,091	74,230	74,149	74,102	61,645	61,776	59,931	59,837	59,844
-	MINING	1,200	1,201	1,119	1,100	1,089	884	886	797	781	776
10	METAL MINING	105.8	104.3	64.9	63.0	-	79.4	78.5	46.2	44.3	-
101	Iron ores	21.8	21.4	6.7	5.2	-	16.9	16.6	4.6	3.1	-
102	Copper ores	36.5	36.2	22.9	21.3	-	28.1	27.9	16.2	14.9	-
11, 12	COAL MINING	250.6	254.7	233.6	225.0	-	207.0	211.1	190.5	182.5	-
12	BITUMINOUS COAL AND LIGNITE MINING	247.0	251.1	230.3	221.7	-	203.8	207.9	187.6	179.5	-
13	OIL AND GAS EXTRACTION	719.6	718.4	702.7	694.4	-	501.7	500.9	470.3	464.3	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	278.4	273.5	296.4	296.6	-	121.9	118.5	131.2	132.6	-
138	Oil and gas field services	441.2	444.9	406.3	397.8	-	379.8	382.4	339.1	331.7	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	124.1	123.5	117.6	117.8	-	95.7	95.3	90.1	90.1	-
142	Crushed and broken stone	38.9	38.7	37.2	37.6	-	31.9	31.7	30.1	30.2	-
144	Sand and gravel	36.1	36.0	34.9	35.0	-	-	-	-	-	-
147	Chemical and fertilizer minerals	27.7	27.5	24.3	24.3	-	-	-	-	-	-
-	CONSTRUCTION	4,431	4,366	4,147	4,160	4,119	3,489	3,436	3,228	3,244	3,207
15	GENERAL BUILDING CONTRACTORS	1,149.1	1,124.8	1,036.7	1,027.1	-	875.9	857.3	778.3	771.0	-
152	Residential building construction	549.0	537.2	509.6	503.9	-	403.4	394.1	372.8	369.0	-
153	Operative builders	61.8	59.5	50.5	48.9	-	34.6	33.5	25.2	23.7	-
154	Nonresidential building construction	538.3	528.1	476.6	474.3	-	437.9	429.7	380.3	378.3	-
16	HEAVY CONSTRUCTION CONTRACTORS	982.5	973.7	916.5	919.4	-	800.8	793.8	742.9	747.3	-
161	Highway and street construction	287.9	279.9	259.7	262.5	-	244.9	237.4	220.7	223.6	-
162	Heavy construction, except highway	694.6	693.8	656.8	656.9	-	555.9	556.4	522.2	523.7	-
17	SPECIAL TRADE CONTRACTORS	2,299.2	2,267.1	2,194.1	2,213.6	-	1,812.0	1,785.1	1,706.5	1,725.9	-
171	Plumbing, heating, air conditioning	534.9	529.2	504.4	502.6	-	397.1	393.2	367.6	365.9	-
172	Painting, paper hanging, decorating	150.2	145.8	145.8	146.1	-	126.1	122.3	122.4	123.4	-
173	Electrical work	422.8	421.0	404.1	404.4	-	327.4	326.7	308.3	308.6	-
174	Masonry, stonework, and plastering	345.4	341.7	317.7	319.9	-	295.9	292.7	268.6	270.7	-
175	Carpentering and flooring	127.3	123.2	115.6	116.7	-	96.7	92.4	86.0	87.5	-
176	Roofing and sheet metal work	166.4	166.0	163.0	165.8	-	135.7	135.4	130.4	132.8	-
-	MANUFACTURING	20,370	20,499	18,693	18,724	18,798	14,153	14,304	12,618	12,662	12,789
24, 25, 32-39	DURABLE GOODS	12,164	12,272	11,052	10,928	10,985	8,302	8,423	7,297	7,189	7,280
20-23, 26-31	NONDURABLE GOODS	8,206	8,227	7,641	7,796	7,813	5,851	5,881	5,321	5,473	5,509
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	691.2	680.9	626.3	630.6	633.5	576.9	567.8	516.7	520.3	523.1
241	Logging camps and logging contractors	86.9	89.9	82.9	83.3	-	69.0	72.4	65.7	65.8	-
242	Sawmills and planing mills	215.1	207.4	196.5	197.9	-	190.5	183.0	172.3	173.2	-
2421	Sawmills and planing mills, general	179.5	172.2	165.7	166.8	-	159.4	152.4	145.8	146.4	-
2426	Hardwood dimension and flooring	30.4	29.9	26.7	26.8	-	26.5	25.9	22.9	23.0	-
243	Millwork, plywood, and structural members	194.3	191.3	173.6	176.0	-	160.2	157.6	140.4	142.8	-
2431	Millwork	68.5	67.4	64.7	65.1	-	54.9	53.8	50.9	51.3	-
2434	Wood kitchen cabinets	47.0	45.9	39.6	40.2	-	38.0	36.5	30.9	31.5	-
2435	Hardwood veneer and plywood	25.4	25.1	21.0	21.9	-	22.3	22.1	18.0	19.0	-
2436	Softwood veneer and plywood	38.8	39.1	34.9	35.2	-	34.4	35.1	30.5	30.9	-
244	Wood containers	42.0	41.7	40.1	39.0	-	35.9	35.4	33.7	32.8	-
245	Wood buildings and mobile homes	70.6	69.2	61.6	61.8	-	52.2	51.2	45.7	45.9	-
2451	Mobile homes	49.9	50.0	47.1	47.3	-	38.5	38.4	36.6	36.8	-
249	Miscellaneous wood products	82.3	81.4	71.6	72.6	-	69.1	68.2	58.9	59.8	-
25	FURNITURE AND FIXTURES	470.6	474.9	426.1	439.1	443.3	379.3	382.9	334.7	346.1	351.4
251	Household furniture	298.1	299.9	259.2	269.0	-	249.0	250.9	212.2	220.9	-
2511	Wood household furniture	134.0	135.2	115.2	120.8	-	116.0	117.3	98.5	103.5	-
2512	Upholstered household furniture	89.6	90.2	80.0	83.0	-	73.2	73.8	64.1	66.9	-
2514	Metal household furniture	28.7	28.9	24.8	25.1	-	23.0	23.1	19.2	19.4	-
2515	Mattresses and bedspreads	31.5	31.4	28.1	28.8	-	24.3	24.3	21.0	21.5	-
252	Office furniture	54.7	56.0	53.2	54.7	-	42.8	44.0	40.6	41.8	-
253	Public building and related furniture	23.9	24.2	23.2	23.8	-	18.1	18.4	17.3	17.7	-
254	Partitions and fixtures	63.4	63.6	59.1	60.2	-	47.8	47.7	43.3	44.3	-
259	Miscellaneous furniture and fixtures	30.5	31.2	31.4	31.4	-	21.6	21.9	21.3	21.4	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
32	STONE, CLAY, AND GLASS PRODUCTS	656.3	652.0	587.9	586.0	585.8	507.4	504.7	445.9	446.3	446.0
321	Flat glass	18.3	18.6	14.9	16.6	-	14.2	14.6	11.3	13.2	-
322	Glass and glassware, pressed or blown	124.1	123.0	112.6	111.6	-	105.1	104.4	94.4	93.8	-
3221	Glass containers	70.2	68.6	65.0	64.6	-	61.9	60.4	57.1	56.8	-
3229	Pressed and blown glass, nec	53.9	54.4	47.6	47.0	-	43.2	44.0	37.3	37.0	-
323	Products of purchased glass	45.3	45.5	41.8	41.4	-	30.3	30.5	27.9	27.5	-
324	Cement, hydraulic	31.4	30.6	29.0	28.8	-	25.1	24.3	22.8	22.6	-
325	Structural clay products	42.6	42.2	34.8	34.6	-	32.5	32.0	25.5	25.0	-
326	Pottery and related products	43.6	43.7	37.5	38.2	-	36.1	36.0	30.0	30.9	-
327	Concrete, gypsum, and plaster products	200.7	198.4	186.0	184.5	-	154.7	153.8	142.0	141.7	-
3271	Concrete block and brick	19.8	19.3	18.7	18.6	-	13.6	13.2	12.6	12.7	-
3272	Concrete products, nec	67.9	67.3	62.7	61.4	-	50.5	50.7	46.7	46.0	-
3273	Ready-mixed concrete	93.2	92.1	86.7	86.7	-	74.6	73.9	68.3	69.7	-
329	Misc. nonmetallic mineral products	138.0	137.7	119.4	118.1	-	99.3	99.1	82.6	81.9	-
3291	Abrasive products	27.9	27.8	24.4	23.4	-	18.9	18.7	15.3	14.6	-
3292	Asbestos products	15.9	16.0	13.5	13.8	-	12.2	12.3	9.9	10.1	-
3296	Mineral wool	30.7	30.3	27.2	27.2	-	-	-	-	-	-
33	PRIMARY METAL INDUSTRIES	1,132.6	1,131.7	902.1	886.7	885.1	867.7	870.6	665.2	653.9	656.0
331	Blast furnace and basic steel products	513.2	507.8	383.1	372.7	-	397.0	394.4	282.9	274.8	-
3312	Blast furnaces and steel mills	427.3	421.7	315.3	307.5	-	331.6	328.5	233.6	227.8	-
3317	Steel pipe and tubes	32.7	32.7	24.9	23.9	-	25.3	25.5	18.1	17.1	-
332	Iron and steel foundries	201.9	206.4	154.6	153.9	-	160.0	164.2	118.0	117.3	-
3321	Gray iron foundries	122.9	124.5	95.2	93.0	-	99.9	101.6	75.5	73.5	-
3322	Malleable iron foundries	16.3	16.5	12.5	12.0	-	12.5	12.8	9.2	8.8	-
3325	Steel foundries, nec	51.2	52.2	35.7	38.7	-	40.1	41.1	25.9	29.2	-
333	Primary nonferrous metals	70.1	70.0	57.3	56.2	-	52.5	52.5	40.9	40.1	-
3334	Primary aluminum	36.7	36.3	28.9	28.5	-	28.5	28.1	21.2	20.9	-
335	Nonferrous rolling and drawing	207.3	207.0	185.2	182.6	-	147.9	148.5	130.2	128.0	-
3351	Copper rolling and drawing	29.8	30.2	24.8	24.8	-	22.7	22.7	18.3	18.2	-
3353	Aluminum sheet, plate, and foil	35.5	34.9	30.4	30.0	-	27.3	26.9	23.3	22.8	-
3357	Nonferrous wire drawing and insulating	86.7	88.3	80.2	78.0	-	61.7	63.4	56.1	54.3	-
336	Nonferrous foundries	90.9	91.1	78.6	78.5	-	73.0	73.4	61.5	61.7	-
3361	Aluminum foundries	53.4	53.6	45.2	44.8	-	43.7	44.0	36.2	36.1	-
34	FABRICATED METAL PRODUCTS	1,599.9	1,615.8	1,425.6	1,418.4	1,427.4	1,177.9	1,193.3	1,022.9	1,017.1	1,029.2
341	Metal cans and shipping containers	72.9	73.4	67.3	67.6	-	62.4	62.9	57.0	57.3	-
3411	Metal cans	59.9	60.3	55.2	55.6	-	51.9	52.3	47.6	48.0	-
342	Cutlery, hand tools, and hardware	157.8	160.5	133.8	132.8	-	119.2	122.7	97.0	95.9	-
3423,5	Hand and edge tools, and hand saws and blades	55.0	55.5	43.5	43.6	-	41.6	42.4	31.6	31.5	-
3429	Hardware, nec	87.8	85.9	76.7	75.4	-	66.5	69.1	56.1	54.9	-
343	Plumbing and heating, except electric	69.7	70.4	64.4	64.4	-	50.4	51.2	44.3	44.5	-
3432	Plumbing fittings and brass goods	27.1	27.5	26.4	26.7	-	21.8	22.1	20.6	20.8	-
3433	Heating equipment, except electric	32.0	32.2	27.8	27.7	-	21.4	21.8	17.2	17.4	-
344	Fabricated structural metal products	513.6	513.7	460.4	457.6	-	351.7	350.8	307.6	305.9	-
3441	Fabricated structural metal	101.0	101.8	88.3	87.1	-	72.0	72.6	61.9	60.9	-
3442	Metal doors, sash, and trim	83.1	82.8	79.2	79.8	-	60.6	60.3	57.5	59.1	-
3443	Fabricated plate work (boiler shops)	150.0	150.0	130.9	129.2	-	91.7	91.0	76.7	75.5	-
3444	Sheet metal work	109.2	109.0	101.0	100.1	-	79.9	79.6	71.8	71.3	-
3446	Architectural metal work	30.8	30.8	27.4	27.9	-	21.7	21.7	18.3	18.7	-
345	Screw machine products, bolts, etc.	104.4	105.4	91.2	90.2	-	80.2	81.2	67.8	67.0	-
3451	Screw machine products	47.4	48.2	42.7	42.0	-	38.6	39.3	33.3	32.6	-
3452	Bolts, nuts, rivets, and washers	57.0	57.2	48.5	48.2	-	41.6	41.9	34.5	34.4	-
346	Metal forgings and stampings	254.7	262.8	222.2	219.9	-	201.0	208.8	173.3	170.7	-
3462	Iron and steel forgings	43.8	45.0	34.1	32.6	-	33.9	35.2	25.5	24.7	-
3465	Automotive stampings	92.1	96.5	86.6	81.8	-	75.7	80.1	72.5	68.0	-
3469	Metal stampings, nec	106.5	108.6	90.2	93.9	-	81.9	83.7	66.8	69.8	-
347	Metal services, nec	102.8	103.7	91.3	91.8	-	82.7	83.5	71.7	72.1	-
3471	Plating and polishing	70.4	70.8	61.6	63.1	-	57.7	58.0	49.5	50.9	-
3479	Metal coating and allied services	32.4	32.9	29.7	28.7	-	25.0	25.5	22.2	21.2	-
348	Ordnance and accessories, nec	69.6	68.2	71.6	71.3	-	44.4	43.7	45.7	45.1	-
3483	Ammunition, exc. for small arms, nec	26.7	26.2	27.2	27.3	-	17.1	16.4	17.4	17.2	-
349	Misc. fabricated metal products	254.4	256.7	223.4	222.8	-	185.9	188.5	158.5	158.6	-
3494	Valves and pipe fittings	104.6	104.7	92.5	91.0	-	71.0	71.2	60.8	59.3	-
3496	Misc. fabricated wire products	54.7	55.0	48.6	50.3	-	42.7	43.1	36.2	33.0	-
35	MACHINERY, EXCEPT ELECTRICAL	2,507.1	2,536.2	2,260.0	2,209.7	2,209.5	1,576.2	1,604.8	1,350.1	1,304.9	1,315.2
351	Engines and turbines	134.9	136.4	113.1	109.5	-	86.1	88.4	69.2	66.2	-
3511	Turbines and turbine generator sets	45.5	45.7	42.7	42.0	-	24.1	24.4	22.8	22.7	-
3519	Internal combustion engines, nec	89.4	90.7	70.4	67.5	-	62.0	64.0	46.4	45.5	-
352	Farm and garden machinery	149.5	154.4	121.4	121.7	-	99.0	103.3	75.2	75.5	-
3523	Farm machinery and equipment	130.8	133.6	105.0	102.9	-	85.9	88.4	65.4	63.3	-
353	Construction and related machinery	405.6	408.9	332.8	316.4	-	265.6	269.5	204.0	190.7	-
3531	Construction machinery	142.6	146.2	112.2	104.3	-	93.3	97.3	67.6	60.7	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
TRANSPORTATION EQUIPMENT—Continued											
379	Miscellaneous transportation equipment	38.1	38.9	39.8	38.3	-	24.0	24.9	27.4	25.6	-
3792	Travel trailers and campers	17.7	17.7	17.3	17.6	-	13.7	13.7	13.2	13.5	-
38	INSTRUMENTS AND RELATED PRODUCTS	735.8	732.6	707.6	703.3	699.7	430.5	429.8	404.5	401.6	401.2
381	Engineering and scientific instruments	78.6	78.4	76.0	74.7	-	37.5	37.5	35.0	34.3	-
382	Measuring and controlling devices	261.4	262.1	244.2	241.7	-	163.0	163.8	147.5	145.1	-
3822	Environmental controls	48.5	48.6	42.1	41.9	-	32.6	32.3	27.5	27.2	-
3823	Process control instruments	61.5	62.1	57.3	56.4	-	32.2	32.8	29.1	28.4	-
3825	Instruments to measure electricity	106.0	104.9	104.2	103.8	-	66.5	66.1	63.6	62.7	-
383	Optical instruments and lenses	33.1	33.3	32.4	32.0	-	18.6	18.8	17.5	17.5	-
384	Medical instruments and supplies	161.2	160.9	159.9	160.5	-	100.6	100.5	97.5	97.6	-
3841	Surgical and medical instruments	76.4	75.9	78.4	78.5	-	45.6	45.2	45.2	44.9	-
3842	Surgical appliances and supplies	68.7	68.8	66.0	66.7	-	45.1	45.3	43.0	43.5	-
385	Ophthalmic goods	41.1	39.7	35.9	36.0	-	28.6	28.2	25.1	24.9	-
386	Photographic equipment and supplies	139.9	137.5	142.1	140.3	-	67.1	65.7	70.0	69.4	-
387	Watches, clocks, and watchcases	20.5	20.7	17.1	18.1	-	15.1	15.3	11.9	12.9	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	417.0	423.8	379.6	388.7	391.0	309.6	316.0	272.9	282.1	295.7
391	Jewelry, silverware, and plated ware	55.4	58.7	53.8	58.2	-	39.5	42.2	37.2	41.4	-
3911	Jewelry, precious metal	35.5	38.4	34.4	37.3	-	24.9	27.1	23.8	26.5	-
393	Musical instruments	21.6	21.1	18.6	19.3	-	17.3	17.0	14.4	15.1	-
394	Toys and sporting goods	122.8	124.4	108.5	108.8	-	93.5	95.3	80.4	80.6	-
3942, 4	Dolls, games, toys, and children's vehicles	65.9	66.9	54.3	55.9	-	49.7	50.5	39.0	40.3	-
3949	Sporting and athletic goods, nec	56.9	57.5	54.2	52.9	-	43.8	44.8	41.4	40.3	-
395	Pens, pencils, office and art supplies	37.8	37.8	34.5	34.4	-	27.1	27.1	23.8	23.8	-
396	Costume jewelry and notions	46.6	46.6	38.1	41.1	-	35.7	35.7	28.5	31.5	-
3961	Costume jewelry	24.2	24.0	19.3	22.2	-	18.8	18.7	14.6	17.5	-
399	Miscellaneous manufactures	132.8	135.2	126.1	126.9	-	96.5	98.7	88.6	89.7	-
3993	Signs and advertising displays	46.8	47.3	45.4	45.8	-	34.1	34.2	32.0	32.4	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	1,759.6	1,763.2	1,668.1	1,724.8	1,725.3	1,230.9	1,238.6	1,146.7	1,203.6	1,207.2
201	Meat products	355.6	356.2	341.6	341.1	-	296.6	298.0	285.2	284.7	-
2011	Meat packing plants	155.3	155.9	143.9	142.2	-	127.4	128.4	117.7	116.2	-
2013	Sausages and other prepared meats	70.7	70.5	69.5	69.8	-	52.6	52.7	51.8	51.8	-
2016	Poultry dressing plants	116.3	116.7	114.5	115.0	-	105.3	105.7	103.7	104.2	-
202	Dairy products	173.3	170.8	172.4	171.8	-	96.7	94.9	97.9	97.5	-
2022	Cheese, natural and processed	35.8	35.6	35.9	35.5	-	27.2	27.3	27.3	26.9	-
2026	Fluid milk	97.5	96.6	94.8	94.7	-	44.0	43.3	43.2	43.2	-
203	Preserved fruits and vegetables	307.7	314.2	252.0	300.2	-	263.4	270.9	210.8	257.9	-
2032	Canned specialties	26.5	27.6	23.7	26.6	-	20.0	21.4	17.2	20.1	-
2033	Canned fruits and vegetables	151.9	147.8	99.4	142.5	-	135.3	131.7	82.8	125.5	-
2037	Frozen fruits and vegetables	50.3	56.0	50.4	53.4	-	43.8	49.4	44.2	47.0	-
204	Grain mill products	140.2	140.8	135.7	136.6	-	97.9	97.7	91.8	93.2	-
2041	Flour and other grain mill products	25.9	26.5	25.9	25.9	-	16.6	16.3	16.0	16.3	-
2048	Prepared feeds, nec	54.0	53.5	52.4	52.3	-	35.5	35.1	33.4	33.5	-
205	Bakery products	219.3	220.9	219.7	218.9	-	127.9	129.5	128.8	128.2	-
2051	Bread, cake, and related products	178.0	178.3	178.0	177.0	-	95.0	95.2	95.7	94.9	-
2052	Cookies and crackers	41.3	42.6	41.7	41.9	-	32.9	34.3	33.1	33.4	-
206	Sugar and confectionery products	104.9	107.6	96.6	103.4	-	79.2	82.0	72.9	79.2	-
2061-3	Cane and beet sugar	28.6	28.5	26.8	26.7	-	20.4	20.3	19.7	19.6	-
2065	Confectionery products	56.2	58.7	48.9	55.3	-	45.3	47.8	39.1	45.0	-
207	Fats and oils	41.4	42.2	41.6	41.5	-	30.5	31.3	30.7	30.7	-
208	Beverages	239.9	237.7	237.3	238.3	-	105.4	104.3	100.9	102.4	-
2082	Malt beverages	50.6	50.1	47.7	49.5	-	31.8	31.6	30.1	31.3	-
2086	Bottled and canned soft drinks	142.2	139.2	144.8	143.9	-	47.6	45.8	47.9	47.7	-
209	Misc. foods and kindred products	177.3	172.8	171.2	173.0	-	133.3	130.0	127.7	129.8	-
21	TOBACCO MANUFACTURES	73.8	75.7	60.9	68.9	69.1	58.0	60.1	46.7	54.7	54.7
211	Cigarettes	47.3	47.1	46.1	44.9	-	35.7	35.7	35.7	34.3	-
22	TEXTILE MILL PRODUCTS	829.7	831.9	726.5	737.5	740.5	718.4	721.5	620.5	630.8	636.0
221	Weaving mills, cotton	140.3	140.3	118.7	118.8	-	124.6	124.9	103.6	103.9	-
222	Weaving mills, synthetics	111.7	112.4	92.4	94.6	-	100.2	101.0	81.4	83.6	-
223	Weaving and finishing mills, wool	18.8	18.7	15.8	15.8	-	15.6	15.6	13.1	13.0	-
224	Narrow fabric mills	24.1	24.4	20.9	22.5	-	21.3	21.6	17.9	19.5	-
225	Knitting mills	221.3	221.4	202.1	205.4	-	191.6	191.9	174.4	177.8	-
2251	Women's hosiery, except socks	32.0	31.9	30.6	31.3	-	28.7	28.6	27.3	28.0	-
2252	Hosiery, nec	33.4	33.2	31.7	31.4	-	30.4	30.3	28.6	28.5	-
2253	Knit outerwear mills	74.7	75.0	69.5	71.5	-	63.5	64.0	59.5	61.4	-
2254	Knit underwear mills	30.3	30.0	27.2	28.0	-	26.1	25.9	22.9	23.6	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
TEXTILE MILL PRODUCTS—Continued											
2257	Circular knit fabric mills	29.5	29.5	24.0	23.9	-	25.0	24.9	20.1	20.2	-
226	Textile finishing, except wool	70.6	70.9	64.2	65.1	-	58.8	59.3	52.6	53.4	-
2261	Finishing plants, cotton	29.3	29.4	27.5	27.5	-	23.9	24.2	22.3	22.2	-
2262	Finishing plants, synthetics	27.2	27.2	23.6	24.2	-	22.7	22.8	19.5	20.1	-
227	Floor covering mills	53.4	53.5	47.6	47.1	-	42.9	43.1	37.4	36.9	-
228	Yarn and thread mills	123.0	123.2	106.5	109.5	-	110.9	111.2	94.5	97.2	-
2281	Yarn mills, except wool	83.3	83.2	73.5	75.8	-	76.3	76.3	66.3	68.4	-
2282	Throwing and winding mills	20.4	20.4	17.3	17.7	-	18.1	18.1	15.1	15.5	-
229	Miscellaneous textile goods	66.5	67.1	58.3	58.7	-	52.5	52.9	45.6	45.5	-
APPAREL AND OTHER TEXTILE PRODUCTS											
23	Men's and boys' suits and coats	1,260.3	1,270.5	1,093.0	1,153.1	1,160.2	1,073.0	1,083.0	918.4	974.7	987.0
231	Men's and boys' suits and coats	77.5	77.9	70.3	73.4	-	67.7	68.0	61.0	64.2	-
232	Men's and boys' furnishings	354.8	354.6	315.6	324.5	-	303.3	302.5	266.9	275.2	-
2321	Men's and boys' shirts and nightwear	99.1	99.7	90.2	91.2	-	85.5	85.9	76.8	77.9	-
2327	Men's and boys' separate trousers	72.3	70.8	65.4	66.9	-	63.2	61.8	56.6	58.0	-
2328	Men's and boys' work clothing	102.8	103.0	90.9	93.3	-	85.3	85.1	75.1	77.4	-
233	Women's and misses' outerwear	414.0	416.3	333.6	374.4	-	356.1	358.8	280.9	319.4	-
2331	Women's and misses' blouses and waists	62.9	62.9	49.8	61.4	-	54.8	54.6	41.6	52.9	-
2335	Women's and misses' dresses	138.6	139.9	113.2	126.4	-	121.9	123.4	97.7	109.7	-
2337	Women's and misses' suits and coats	67.0	67.0	51.6	55.8	-	57.5	57.6	43.4	47.4	-
2339	Women's and misses' outerwear, nec.	145.5	146.5	119.0	130.8	-	121.9	123.2	98.2	109.4	-
234	Women's and children's undergarments	91.8	93.1	82.9	83.7	-	78.2	79.5	70.1	70.9	-
2341	Women's and children's underwear	73.3	74.5	67.3	68.8	-	63.8	65.0	58.2	57.7	-
2342	Brassieres and allied garments	18.5	18.6	15.6	14.9	-	14.4	14.5	11.9	11.2	-
236	Children's outerwear	63.3	64.4	60.5	59.1	-	53.4	54.5	51.2	51.0	-
2361	Children's dresses and blouses	26.7	27.2	25.4	25.9	-	23.7	24.2	22.7	23.1	-
238	Misc. apparel and accessories	59.3	59.0	48.2	52.7	-	50.2	50.1	40.0	44.0	-
239	Misc. fabricated textile products	176.1	181.4	160.4	163.7	-	143.7	149.0	130.1	133.0	-
2391	Curtains and draperies	27.9	28.2	24.2	25.3	-	23.3	23.6	19.5	20.6	-
2392	House furnishings, nec.	49.5	51.2	44.4	46.6	-	40.9	42.0	36.9	38.9	-
2396	Automotive and apparel trimmings	28.8	31.4	26.7	26.6	-	23.0	26.2	21.2	21.0	-
PAPER AND ALLIED PRODUCTS											
26	Paper and pulp mills	695.5	697.1	657.9	658.4	661.2	524.3	527.0	489.3	491.6	496.8
261, 26	Paper and pulp mills	206.1	206.1	197.0	196.8	-	154.8	155.7	147.8	147.9	-
262	Paper mills, except building paper	178.0	177.4	170.6	170.3	-	132.7	132.7	126.5	126.7	-
263	Paperboard mills	64.3	63.6	59.8	59.2	-	50.5	50.3	46.1	45.8	-
264	Misc. converted paper products	222.2	222.9	212.2	212.8	-	163.8	164.2	153.1	154.3	-
2641	Paper coating and glazing	56.1	55.9	55.3	55.5	-	36.4	36.2	34.7	35.1	-
2642	Envelopes	25.1	25.4	24.1	24.6	-	19.4	19.8	18.3	18.9	-
2643	Bags, except textile bags	49.9	50.6	48.0	48.0	-	39.0	39.5	36.9	37.1	-
265	Paperboard containers and boxes	202.9	204.5	188.9	189.6	-	155.2	156.8	142.3	143.6	-
2651	Folding paperboard boxes	43.7	44.0	41.3	41.2	-	34.2	34.4	31.9	32.0	-
2653	Corrugated and solid fiber boxes	103.6	104.5	95.7	96.4	-	76.3	77.4	69.7	70.7	-
2654	Sanitary food containers	25.4	24.9	24.6	24.4	-	20.7	20.2	19.8	19.5	-
PRINTING AND PUBLISHING											
27	Newspapers	1,265.9	1,270.0	1,263.2	1,264.5	1,265.5	694.9	699.3	688.1	688.8	692.7
271	Newspapers	423.3	422.6	424.9	423.6	-	161.4	161.4	159.5	158.7	-
272	Periodicals	96.8	97.4	100.4	100.8	-	18.5	19.1	21.7	21.3	-
273	Books	98.9	97.3	97.5	97.7	-	49.6	48.0	49.4	49.6	-
2731	Book publishing	69.8	68.8	69.0	68.4	-	25.9	24.8	26.2	25.9	-
2732	Book printing	29.1	28.5	28.5	29.3	-	23.7	23.2	23.2	23.7	-
274	Miscellaneous publishing	47.6	47.2	48.5	48.7	-	24.9	25.3	24.8	25.1	-
275	Commercial printing	415.5	421.2	410.0	411.5	-	305.1	309.9	299.7	301.1	-
2751	Commercial printing, letterpress	153.9	156.7	148.9	148.9	-	113.2	116.2	109.6	110.0	-
2752	Commercial printing, lithographic	239.0	242.0	239.0	240.3	-	173.6	175.4	172.6	173.3	-
276	Manifold business forms	49.2	49.4	48.5	48.4	-	34.1	34.4	34.0	33.7	-
278	Blankbooks and bookbinding	64.4	64.0	62.7	62.8	-	52.9	52.2	51.0	51.2	-
279	Printing trade services	43.9	44.5	44.7	44.7	-	32.3	32.8	32.9	32.9	-
CHEMICALS AND ALLIED PRODUCTS											
28	Industrial inorganic chemicals	1,112.0	1,110.1	1,074.3	1,074.0	1,067.8	631.3	629.8	593.6	594.3	597.0
281	Industrial inorganic chemicals	160.2	160.2	153.2	153.2	-	87.5	87.9	80.6	80.3	-
2819	Industrial inorganic chemicals, nec.	105.6	105.4	100.8	100.5	-	57.6	57.5	52.8	52.6	-
282	Plastics materials and synthetics	195.5	195.1	182.9	180.7	-	130.0	129.2	117.6	115.5	-
2821	Plastics materials and resins	78.6	79.0	74.1	74.0	-	46.7	46.8	43.2	43.3	-
2824	Organic fibers, noncellulosic	82.7	82.6	77.2	75.8	-	58.3	58.2	53.3	52.5	-
283	Drugs	200.0	199.9	200.9	201.5	-	99.6	100.2	98.2	98.3	-
2834	Pharmaceutical preparations	158.2	158.0	157.9	158.6	-	77.3	77.6	75.7	75.1	-
284	Soap, cleaners, and toilet goods	145.6	147.2	145.2	147.8	-	92.0	93.1	90.6	92.3	-
2841	Soap and other detergents	44.2	44.5	43.9	44.8	-	29.0	29.4	28.1	29.1	-
2844	Toilet preparations	62.7	63.5	62.7	63.6	-	41.8	42.5	41.4	42.2	-
2842, 3	Polishing, sanitation, and finishing preparations	38.7	35.2	38.6	39.4	-	21.2	21.2	21.1	21.5	-
285	Paints and allied products	64.5	63.3	60.7	60.6	-	32.3	31.2	29.6	29.5	-
286	Industrial organic chemicals	180.3	179.7	174.7	174.2	-	91.1	90.2	87.5	87.7	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
2865	Cyclic crudes and intermediates	38.1	38.0	35.5	35.7	-	23.5	23.5	21.9	21.9	-
2861,9	Gum, wood, and industrial organic chemicals, nec.	142.2	141.7	139.2	138.5	-	67.6	66.7	65.6	65.8	-
287	Agricultural chemicals	70.3	69.5	65.5	64.7	-	43.5	43.0	38.8	38.3	-
289	Miscellaneous chemical products	95.6	95.2	91.2	91.3	-	55.3	55.0	50.7	50.9	-
	PETROLEUM AND COAL PRODUCTS	220.7	218.0	209.3	209.6	213.3	138.0	135.8	125.5	124.8	128.4
291	Petroleum refining	177.3	175.3	168.8	168.2	-	106.6	105.2	96.4	95.2	-
295	Paving and roofing materials	31.1	30.5	28.7	29.6	-	23.7	23.1	21.9	22.5	-
	RUBBER AND MISC. PLASTICS PRODUCTS	749.2	752.9	689.3	694.3	699.6	579.7	584.2	527.0	532.6	539.7
301	Tires and inner tubes	107.4	107.4	98.4	97.5	-	73.6	74.4	69.8	69.5	-
302	Rubber and plastics footwear	22.5	22.6	21.2	20.9	-	19.9	19.9	18.5	18.0	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting	24.3	24.6	20.1	19.3	-	17.0	17.4	14.1	13.5	-
306	Fabricated rubber products, nec	106.8	107.7	94.0	94.8	-	83.4	84.3	70.9	72.0	-
307	Miscellaneous plastics products	488.2	490.6	455.6	461.8	-	385.8	388.2	353.7	359.6	-
	LEATHER AND LEATHER PRODUCTS	239.1	237.4	198.4	211.2	210.3	202.6	201.6	164.7	177.5	177.2
311	Leather tanning and finishing	21.3	21.5	17.3	18.3	-	18.0	18.3	14.2	15.1	-
314	Footwear, except rubber	146.5	143.7	120.3	130.4	-	126.5	124.3	102.3	111.5	-
3143	Men's footwear, except athletic	58.7	58.9	46.1	51.5	-	50.4	50.5	37.9	42.8	-
3144	Women's footwear, except athletic	54.5	51.6	46.1	48.9	-	47.1	44.7	40.3	42.9	-
316	Luggage	15.3	15.3	13.3	12.4	-	11.4	11.6	9.6	9.3	-
317	Handbags and personal leather goods	30.6	31.2	25.8	27.3	-	25.2	25.6	20.8	22.4	-
	TRANSPORTATION AND PUBLIC UTILITIES	5,180	5,227	5,054	5,034	5,068	4,292	4,338	4,173	4,140	4,186
	RAILROAD TRANSPORTATION	500.6	497.0	438.7	429.7	-	-	-	-	-	-
40	Class I railroads ²	461.9	457.9	403.7	395.8	-	-	-	-	-	-
	LOCAL AND INTERURBAN PASSENGER TRANSIT	220.4	285.4	230.9	228.6	-	201.0	265.9	212.4	210.1	-
411	Local and suburban transportation	80.5	83.2	83.6	84.5	-	73.2	76.0	77.3	78.1	-
412	Taxicabs	45.4	46.2	43.5	43.5	-	-	-	-	-	-
413	Intercity highway transportation	40.4	39.7	38.8	39.4	-	37.1	36.2	35.7	36.1	-
415	School buses	37.2	97.6	47.3	43.8	-	-	-	-	-	-
	TRUCKING AND WAREHOUSING	1,268.8	1,273.8	1,210.7	1,213.0	-	1,107.8	1,112.2	1,052.3	1,054.1	-
421,3	Trucking and trucking terminals	1,180.5	1,185.1	1,130.2	1,129.3	-	1,034.2	1,037.3	985.5	984.0	-
422	Public warehousing	88.3	88.7	80.5	83.7	-	73.6	74.9	66.8	70.1	-
	WATER TRANSPORTATION	223.2	222.8	199.9	189.7	-	-	-	-	-	-
	TRANSPORTATION BY AIR	462.4	456.5	444.1	445.1	-	-	-	-	-	-
45	Air transportation	410.9	404.8	392.4	393.9	-	-	-	-	-	-
	PIPE LINES, EXCEPT NATURAL GAS	22.8	22.1	22.9	22.9	-	16.1	15.5	15.7	15.8	-
	TRANSPORTATION SERVICES	222.4	220.0	226.5	225.8	-	-	-	-	-	-
	COMMUNICATION	1,392.4	1,391.3	1,398.8	1,395.5	-	1,041.1	1,039.2	1,061.3	1,050.7	-
481	Telephone communication	1,082.1	1,077.7	1,070.8	1,066.6	-	787.6	782.9	789.7	786.6	-
483	Radio and television broadcasting	207.8	208.7	217.1	217.6	-	168.1	168.6	177.2	177.5	-
	ELECTRIC, GAS, AND SANITARY SERVICES	867.4	857.6	881.3	884.1	-	711.2	701.7	714.6	714.9	-
491	Electric services	410.0	407.2	420.2	420.9	-	332.2	329.3	335.4	335.1	-
492	Gas production and distribution	180.5	175.9	183.1	184.4	-	148.0	143.2	148.3	149.2	-
493	Combination utility services	202.2	199.7	200.2	200.6	-	166.6	164.8	164.2	164.0	-
495	Sanitary services	50.8	51.3	54.2	54.5	-	44.5	45.0	47.6	47.1	-
	WHOLESALE AND RETAIL TRADE	20,664	20,731	20,600	20,560	20,569	18,052	18,125	17,999	17,947	17,930
	WHOLESALE TRADE	5,402	5,388	5,315	5,304	5,282	4,395	4,380	4,299	4,291	4,267
	WHOLESALE TRADE - DURABLE GOODS	3,201	3,187	3,126	3,119	-	2,598	2,583	2,513	2,501	-
501	Motor vehicles and automotive equipment	414.7	414.5	415.6	415.5	-	334.2	334.9	335.7	334.2	-
502	Furniture and home furnishing	116.7	117.8	116.6	117.0	-	95.1	96.2	95.7	96.7	-
503	Lumber and construction materials	193.5	190.7	182.2	183.0	-	159.3	156.8	148.7	149.4	-
504	Sporting goods, toys, and hobby goods	71.4	71.8	72.0	71.5	-	57.2	57.1	58.1	57.8	-
505	Metals and minerals, except petroleum	153.0	153.2	137.4	136.1	-	123.3	123.1	108.5	107.5	-
506	Electrical goods	434.6	435.1	434.6	434.0	-	350.5	349.5	348.6	346.7	-
507	Hardware, plumbing, and heating equipment	245.5	243.9	237.5	236.8	-	200.2	198.3	192.1	190.9	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
	WHOLESALE TRADE-DURABLE GOODS—										
	Continued										
508	Machinery, equipment, and supplies	1,365.6	1,353.3	1,352.5	1,349.2	-	1,103.9	1,092.5	1,078.3	1,072.2	-
509	Miscellaneous durable goods	206.2	206.4	177.6	176.0	-	174.2	174.6	147.3	145.6	-
51	WHOLESALE TRADE-NONDURABLE GOODS	2,201	2,201	2,189	2,185	-	1,797	1,797	1,786	1,790	-
511	Paper and paper products	155.0	154.7	157.8	158.6	-	125.6	125.2	127.0	127.7	-
512	Drugs, proprietaries, and sundries	150.8	150.2	155.1	154.3	-	127.1	126.8	130.8	130.1	-
513	Apparel, piece goods, and notions	170.1	169.9	169.8	170.1	-	133.1	132.9	133.3	132.9	-
514	Groceries and related products	674.9	670.7	666.5	663.1	-	579.7	576.9	574.3	568.0	-
516	Chemicals and allied products	134.1	133.9	136.7	137.0	-	96.9	96.3	97.4	97.7	-
517	Petroleum and petroleum products	235.3	233.8	234.3	231.0	-	177.3	175.6	175.8	173.3	-
518	Beer, wine, and distilled beverages	145.0	143.7	148.8	147.2	-	121.6	120.4	124.1	122.6	-
519	Miscellaneous nondurable goods	394.0	397.3	396.9	396.6	-	320.2	322.1	323.6	323.0	-
52-59	RETAIL TRADE	15,262	15,343	15,285	15,256	15,287	13,657	13,745	13,700	13,666	13,677
52	BUILDING MATERIALS AND GARDEN										
	SUPPLIES	613.1	608.9	598.1	594.8	-	518.0	513.2	504.6	500.0	-
521	Lumber and other building materials	324.3	320.2	314.0	312.0	-	274.7	271.0	266.1	264.0	-
525	Hardware stores	150.0	149.9	147.2	147.4	-	128.1	127.4	125.7	125.9	-
53	GENERAL MERCHANDISE STORES	2,210.8	2,222.7	2,199.0	2,191.0	-	1,999.4	2,017.3	2,039.5	2,030.2	-
531	Department stores	1,851.9	1,863.0	1,845.2	1,838.5	-	1,675.5	1,692.8	1,720.0	1,712.7	-
533	Variety stores	230.2	231.3	221.3	220.1	-	213.6	214.4	204.6	202.7	-
539	Misc. general merchandise stores	128.7	128.4	132.5	132.4	-	110.3	110.1	114.9	114.8	-
54	FOOD STORES	2,421.2	2,444.6	2,465.2	2,464.9	-	2,249.9	2,272.2	2,285.9	2,285.9	-
541	Grocery stores	2,127.2	2,149.0	2,166.2	2,165.6	-	1,982.3	2,003.4	2,014.5	2,015.0	-
542	Meat markets and freezer provisioners	54.9	55.0	55.9	55.3	-	-	-	-	-	-
546	Retail bakeries	125.1	127.4	125.1	126.8	-	115.3	117.3	115.1	116.3	-
55	AUTOMOTIVE DEALERS AND SERVICE										
	STATIONS	1,660.2	1,657.2	1,659.8	1,652.5	-	1,407.5	1,406.2	1,401.5	1,392.6	-
551,2	New and used car dealers	748.2	749.9	738.1	736.4	-	612.9	614.6	605.7	603.8	-
553	Auto and home supply stores	268.9	270.4	277.1	276.7	-	233.2	234.3	238.9	238.1	-
554	Gasoline service stations	562.2	558.3	556.6	555.2	-	491.7	489.8	485.5	483.2	-
56	APPAREL AND ACCESSORY STORES	949.2	958.5	948.3	954.8	-	812.1	819.6	803.7	810.8	-
561	Men's and boys' clothing and furnishings	124.6	126.0	125.6	123.2	-	105.4	106.9	106.2	104.1	-
562	Women's ready-to-wear stores	340.1	345.3	341.2	343.5	-	294.7	299.3	293.0	294.6	-
565	Family clothing stores	177.2	177.9	174.0	178.8	-	155.8	155.8	151.5	156.3	-
566	Shoe stores	206.1	206.9	207.2	209.6	-	169.4	169.9	167.6	170.6	-
57	FURNITURE AND HOME FURNISHINGS										
	STORES	595.7	597.7	587.6	586.6	-	491.7	493.1	485.6	484.0	-
571	Furniture and home furnishings stores	371.8	371.9	362.2	360.9	-	307.6	307.9	299.5	297.8	-
572	Household appliance stores	78.6	78.7	81.2	80.4	-	67.3	66.9	68.6	67.8	-
573	Radio, television, and music stores	145.3	147.1	144.2	145.3	-	116.8	118.3	117.5	113.4	-
58	EATING AND DRINKING PLACES	4,878.0	4,891.9	4,877.2	4,861.5	-	4,492.6	4,512.5	4,485.0	4,468.8	-
59	MISCELLANEOUS RETAIL	1,933.7	1,961.7	1,949.8	1,949.5	-	1,685.8	1,711.3	1,693.9	1,692.7	-
591	Drug stores and proprietary stores	500.7	497.8	494.6	494.5	-	452.2	449.6	442.4	442.7	-
592	Liquor stores	136.1	133.3	136.3	133.5	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	607.9	627.0	629.4	629.0	-	519.2	536.8	537.2	535.1	-
596	Nonstore retailers	258.9	272.4	263.8	268.1	-	238.7	251.7	243.5	247.5	-
598	Fuel and ice dealers	99.8	100.3	99.9	100.0	-	82.8	83.0	82.6	82.4	-
599	Retail stores, nec.	267.5	268.0	261.9	260.7	-	223.8	223.7	219.1	217.8	-
-	FINANCE, INSURANCE, AND REAL										
	ESTATE ²	5,374	5,327	5,423	5,415	5,367	4,070	4,024	4,073	4,059	4,033
60	BANKING	1,644.9	1,632.3	1,667.5	1,663.4	-	1,258.0	1,245.9	1,251.3	1,247.7	-
602	Commercial and stock savings banks	1,499.0	1,487.2	1,520.4	1,516.3	-	1,140.2	1,129.4	1,133.5	1,128.0	-
61	CREDIT AGENCIES OTHER THAN BANKS	585.7	582.0	588.2	588.2	-	444.8	440.7	444.5	444.1	-
612	Savings and loan associations	264.3	263.7	274.4	274.9	-	200.1	199.2	209.8	209.9	-
614	Personal credit institutions	203.2	201.3	193.4	193.4	-	157.4	155.4	147.8	147.4	-
62	SECURITY, COMMODITY BROKERS, AND										
	SERVICES	268.5	267.6	280.5	280.7	-	-	-	-	-	-
621	Security brokers and dealers	221.0	221.0	233.5	233.8	-	-	-	-	-	-
63	INSURANCE CARRIERS	1,236.4	1,229.3	1,230.5	1,228.4	-	855.7	848.9	841.2	839.3	-
631	Life insurance	541.4	538.3	543.1	543.1	-	337.1	334.0	334.6	334.4	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
	INSURANCE CARRIERS—Continued										
632	Medical service and health insurance	142.5	141.8	142.0	141.3	-	112.8	112.1	112.4	112.4	-
633	Fire, marine, and casualty insurance	477.5	474.7	473.8	472.6	-	347.4	344.3	339.3	337.8	-
64	INSURANCE AGENTS, BROKERS, AND SERVICE	468.1	466.5	478.8	477.6	-	-	-	-	-	-
65	REAL ESTATE	1,028.1	1,007.0	1,027.4	1,025.9	-	-	-	-	-	-
651	Real estate operators and lessors	482.0	475.9	494.7	495.2	-	-	-	-	-	-
653	Real estate agents and managers	388.3	380.1	385.6	384.5	-	-	-	-	-	-
655	Subdividers and developers	137.2	131.0	129.2	128.3	-	-	-	-	-	-
66	COMBINED REAL ESTATE, INSURANCE, ETC.	19.3	19.3	19.3	19.2	-	-	-	-	-	-
67	HOLDING AND OTHER INVESTMENT OFFICES	123.1	122.7	131.1	131.9	-	-	-	-	-	-
-	SERVICES	18,771	18,740	19,194	19,156	19,092	16,705	16,663	17,043	16,995	16,934
70	HOTELS AND OTHER LODGING PLACES	1,243.1	1,153.8	1,196.6	1,209.6	-	-	-	-	-	-
701	Hotels, motels, and tourist courts	1,158.4	1,110.1	1,120.7	1,128.1	-	1,063.8	1,017.7	1,029.3	1,036.0	-
72	PERSONAL SERVICES	892.0	897.7	909.1	905.6	-	-	-	-	-	-
721	Laundry, cleaning, and garment services	349.5	350.4	349.0	347.5	-	312.8	312.9	311.5	309.6	-
723	Beauty shops	282.2	285.8	294.4	293.6	-	262.4	265.1	270.4	269.5	-
726	Funeral service and crematories	71.9	71.2	74.5	74.5	-	-	-	-	-	-
73	BUSINESS SERVICES	3,307.6	3,311.7	3,312.2	3,327.6	-	2,892.0	2,893.2	2,887.6	2,899.3	-
731	Advertising	156.0	154.9	159.9	158.7	-	120.0	118.9	123.2	122.0	-
732	Credit reporting and collection	76.0	75.9	76.0	75.5	-	-	-	-	-	-
733	Mailing, reproduction, stenographic	128.1	129.7	131.4	131.0	-	-	-	-	-	-
734	Services to buildings	521.5	523.0	539.6	540.1	-	473.4	474.7	491.8	492.5	-
736	Personnel supply services	634.5	625.4	558.8	561.6	-	-	-	-	-	-
737	Computer and data processing services	339.0	341.8	356.6	357.1	-	278.3	280.0	291.8	290.9	-
75	AUTO REPAIR, SERVICES, AND GARAGES	573.5	576.0	581.7	584.8	-	488.8	490.4	491.6	493.6	-
753	Automotive repair shops	357.3	357.6	363.2	365.6	-	302.5	302.1	303.4	305.1	-
76	MISCELLANEOUS REPAIR SERVICES	298.1	299.4	295.6	292.8	-	251.4	252.3	249.7	247.5	-
78	MOTION PICTURES	221.5	223.2	228.6	225.4	-	192.1	193.5	198.6	195.8	-
781	Motion picture production and services	75.3	81.1	79.9	78.6	-	60.7	66.3	64.9	63.9	-
783	Motion picture theaters	135.3	130.9	138.3	136.8	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	872.9	826.7	976.5	964.8	-	797.5	751.6	892.1	882.0	-
80	HEALTH SERVICES	5,609.4	5,612.3	5,818.5	5,832.4	-	5,021.9	5,022.3	5,214.2	5,220.4	-
801	Offices of physicians	794.6	795.2	821.5	829.9	-	655.9	654.1	672.9	677.2	-
802	Offices of dentists	362.1	362.7	388.7	387.3	-	319.6	319.8	344.3	340.9	-
805	Nursing and personal care facilities	1,039.9	1,039.7	1,074.0	1,076.9	-	941.5	941.0	973.1	975.3	-
806	Hospitals	2,929.8	2,930.4	3,030.4	3,030.1	-	2,686.5	2,688.1	2,783.7	2,783.3	-
81	LEGAL SERVICES	544.6	536.7	583.4	577.7	-	466.0	457.1	494.7	488.7	-
82	EDUCATIONAL SERVICES	987.0	1,119.3	997.6	977.5	-	-	-	-	-	-
821	Elementary and secondary schools	263.6	297.7	271.8	264.7	-	-	-	-	-	-
822	Colleges and universities	610.4	706.6	607.6	594.6	-	-	-	-	-	-
83	SOCIAL SERVICES	1,153.2	1,144.8	1,188.6	1,181.1	-	-	-	-	-	-
86	MEMBERSHIP ORGANIZATIONS	1,523.6	1,511.8	1,547.7	1,530.0	-	-	-	-	-	-
89	MISCELLANEOUS SERVICES	1,058.5	1,048.4	1,069.5	1,065.2	-	882.5	870.7	873.7	869.3	-
891	Engineering and architectural services	582.6	574.2	578.0	574.4	-	494.4	483.7	475.2	471.7	-
893	Accounting, auditing, and bookkeeping	333.9	334.1	349.3	349.4	-	268.5	269.0	279.3	279.4	-
-	GOVERNMENT	15,097	15,529	15,008	14,864	15,197	-	-	-	-	-
-	FEDERAL GOVERNMENT	2,803	2,735	2,794	2,773	2,704	-	-	-	-	-
-	Executive, by agency ⁴	2,748.1	2,680.8	2,737.6	2,716.9	-	-	-	-	-	-
-	Department of Defense	930.7	903.3	964.5	954.1	-	-	-	-	-	-
-	Postal Service	663.3	660.2	665.6	663.8	-	-	-	-	-	-
-	Other executive agencies	1,154.1	1,117.3	1,107.5	1,099.0	-	-	-	-	-	-
-	Legislative	39.7	38.5	40.9	40.3	-	-	-	-	-	-
-	Judicial	15.3	15.5	15.7	15.8	-	-	-	-	-	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
	FEDERAL GOVERNMENT—Continued										
	Federal Government, by industry										
—	Manufacturing activities	133.2	129.1	139.6	138.0	—	—	—	—	—	—
3731	Shipbuilding and repairing	78.4	75.7	82.8	81.9	—	—	—	—	—	—
—	Transportation and public utilities, except										
—	Postal Service	42.4	42.4	42.5	42.5	—	—	—	—	—	—
—	Services	400.4	395.4	406.1	404.6	—	—	—	—	—	—
806	Federal government hospitals	232.7	231.0	238.4	238.0	—	—	—	—	—	—
—	STATE AND LOCAL GOVERNMENT	12,294	12,794	12,214	12,091	12,493	—	—	—	—	—
—	State government	3,421.4	3,546.8	3,386.7	3,380.1	—	—	—	—	—	—
806	State government hospitals	520.6	517.6	518.8	516.8	—	—	—	—	—	—
82	State education	1,166.7	1,336.5	1,147.5	1,145.4	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	1,070.7	1,047.8	1,073.8	1,067.8	—	—	—	—	—	—
—	Local government	8,872.1	9,246.9	8,827.3	8,711.0	—	—	—	—	—	—
—	Transportation and public utilities	581.2	581.0	584.2	585.4	—	—	—	—	—	—
806	Local government hospitals	630.1	629.1	650.7	650.8	—	—	—	—	—	—
82	Local education	4,250.8	4,920.2	4,212.0	4,129.1	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	3,017.3	2,798.0	3,027.4	2,566.9	—	—	—	—	—	—

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 1981 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustment" in the Explanatory Notes of this publication.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	June 1981	July 1981	May 1982	June 1982	July 1982
-	TOTAL	39,216	38,363	39,366	39,358	38,407
-	PRIVATE SECTOR	31,410	31,289	31,499	31,578	31,363
-	MINING	131	134	140	141	138
10	METAL MINING	10.0	10.0	6.6	6.4	5.9
11, 12	COAL MINING	10.6	11.1	11.7	11.5	11.5
13	OIL AND GAS EXTRACTION	100.2	103.0	111.7	113.0	111.3
131, 2	Crude petroleum, natural gas, and natural gas liquids.....	64.0	66.0	69.4	71.1	71.6
138	Oil and gas field services.....	36.2	37.0	42.3	41.9	39.7
14	NONMETALLIC MINERALS, EXCEPT FUELS	10.3	10.3	9.5	9.7	9.7
142	Crushed and broken stone.....	2.8	2.8	2.7	2.8	2.7
144	Sand and gravel.....	3.3	3.3	3.0	3.1	3.2
-	CONSTRUCTION	387	391	381	386	387
15	GENERAL BUILDING CONTRACTORS	130.2	130.8	120.7	121.9	122.7
152	Residential building construction.....	74.0	74.5	68.6	69.8	70.5
153	Operative builders.....	14.9	14.8	13.5	13.5	13.5
154	Nonresidential building construction.....	41.3	41.5	38.6	38.7	38.7
16	HEAVY CONSTRUCTION CONTRACTORS	65.8	67.5	63.6	66.5	66.4
161	Highway and street construction.....	19.1	19.4	14.3	15.4	16.1
162	Heavy construction, except highway.....	46.7	48.1	49.3	51.1	50.3
17	SPECIAL TRADE CONTRACTORS	191.2	192.8	196.5	197.2	198.1
171	Plumbing, heating, air conditioning.....	52.1	52.4	52.3	52.9	52.8
172	Painting, paper hanging, decorating.....	12.1	12.0	11.9	11.9	12.4
173	Electrical work.....	36.5	36.7	37.7	38.0	38.2
174	Masonry, stonework, and plastering.....	21.4	21.6	21.6	21.0	21.6
175	Carpentering and flooring.....	14.5	14.6	13.6	13.7	13.9
176	Roofing and sheet metal work.....	12.5	12.6	12.6	12.7	12.6
-	MANUFACTURING	6,416	6,333	6,040	6,049	5,906
24, 25, 32-39	DURABLE GOODS	3,083	3,046	2,886	2,880	2,822
20-23, 26-31	NONDURABLE GOODS	3,333	3,287	3,154	3,169	3,084
	DURABLE GOODS					
24	LUMBER AND WOOD PRODUCTS	105.2	104.2	91.7	92.2	91.4
241	Logging camps and logging contractors.....	5.5	5.7	5.4	5.7	5.8
242	Sawmills and planing mills.....	20.4	20.2	17.3	17.7	17.8
2421	Sawmills and planing mills, general.....	14.4	14.5	12.2	12.4	12.4
243	Millwork, plywood, and structural members.....	41.7	41.5	35.4	35.7	35.3
244	Wood containers.....	7.1	7.0	6.9	6.9	6.7
245	Wood buildings and mobile homes.....	9.2	8.8	7.5	7.3	7.4
249	Miscellaneous wood products.....	21.3	21.0	19.2	18.9	18.4
25	FURNITURE AND FIXTURES	141.8	138.8	132.6	131.2	126.1
251	Household furniture.....	99.9	97.3	91.4	89.6	84.8
2511	Wood household furniture.....	42.1	41.1	38.7	37.7	36.3
2512	Upholstered household furniture.....	32.3	31.7	29.3	29.1	28.1
2515	Mattresses and bedsprings.....	8.7	8.6	8.0	7.8	7.6
252	Office furniture.....	14.1	13.7	13.8	13.7	13.4
253	Public building and related furniture.....	5.1	5.1	5.2	5.3	5.2
254	Partitions and fixtures.....	10.7	10.7	10.1	10.2	10.1
259	Miscellaneous furniture and fixtures.....	12.0	12.0	12.1	12.4	12.6
32	STONE, CLAY, AND GLASS PRODUCTS	128.2	127.3	116.3	116.7	115.6
322	Glass and glassware, pressed or blown.....	41.3	41.0	36.5	36.7	36.8
3221	Glass containers.....	23.4	23.4	21.6	21.8	21.7
3229	Pressed and blown glass, nec.....	17.9	17.6	14.9	14.9	15.1
323	Products of purchased glass.....	13.3	13.1	12.0	12.1	12.1
324	Cement, hydraulic.....	1.9	1.9	1.7	1.7	1.7
325	Structural clay products.....	6.5	6.4	5.7	5.7	5.6
326	Pottery and related products.....	14.6	14.7	13.7	13.5	13.2
327	Concrete, gypsum, and plaster products.....	15.5	15.3	14.5	14.9	14.8
329	Misc. nonmetallic mineral products.....	31.8	31.7	29.0	28.9	29.1
33	PRIMARY METAL INDUSTRIES	128.0	125.0	106.5	106.0	104.2
331	Blast furnace and basic steel products.....	42.8	42.6	31.9	30.9	30.0
3312	Blast furnaces and steel mills.....	32.2	32.2	22.7	21.9	21.4
332	Iron and steel foundries.....	18.2	18.0	15.9	15.9	15.6

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	June 1981	July 1981	May 1982	June 1982	July 1982
PRIMARY METAL INDUSTRIES — Continued						
3321	Gray iron foundries	8.8	8.7	6.9	7.0	6.9
3322	Malleable iron foundries	1.2	1.1	.9	1.0	1.0
3325	Steel foundries, nec	4.5	4.5	4.0	3.9	3.9
333	Primary nonferrous metals	5.4	5.2	4.4	4.3	4.2
3334	Primary aluminum	2.5	2.4	1.9	1.8	1.7
335	Nonferrous rolling and drawing	40.1	38.4	34.8	34.9	34.6
3351	Copper rolling and drawing	3.6	3.5	3.0	3.0	3.0
3353	Aluminum sheet, plate, and foil	4.2	4.1	3.1	3.2	3.2
3357	Nonferrous wire drawing and insulating	24.1	22.6	21.5	21.5	21.3
336	Nonferrous foundries	15.7	15.0	14.0	14.5	14.4
3361	Aluminum foundries	8.2	7.8	7.3	7.5	7.6
34	FABRICATED METAL PRODUCTS	343.3	337.8	307.1	307.5	298.7
341	Metal cans and shipping containers	13.1	12.9	11.7	12.0	11.6
3411	Metal cans	11.2	11.0	9.9	10.1	9.8
342	Cutlery, hand tools, and hardware	55.7	54.6	46.4	46.2	45.4
3423, 5	Hand and edge tools, and hand saws and blades	15.8	15.4	13.4	13.1	12.6
3429	Hardware, nec	33.1	32.4	26.9	27.1	26.7
343	Plumbing and heating, except electric	16.8	17.0	16.6	16.5	16.2
344	Fabricated structural metal products	74.0	73.9	67.3	67.8	67.6
3441	Fabricated structural metal	7.8	7.8	7.3	7.1	6.9
3442	Metal doors, sash, and trim	21.5	21.7	19.5	20.3	20.6
3443	Fabricated plate work (boiler shops)	19.0	19.0	17.3	17.1	17.1
3444	Sheet metal work	15.7	15.5	14.5	14.4	14.4
345	Screw machine products, bolts, etc.	23.9	23.6	20.9	21.0	20.5
3451	Screw machine products	11.8	11.5	10.4	10.5	10.2
3452	Bolts, nuts, rivets, and washers	12.1	12.1	10.5	10.5	10.3
346	Metal forgings and stampings	55.1	52.3	46.3	46.3	43.2
3462	Iron and steel forgings	4.3	4.3	3.5	3.4	3.3
3465	Automotive stampings	15.3	14.0	12.6	12.9	12.3
3469	Metal stampings, nec	32.8	31.4	27.8	27.6	25.3
347	Metal services, nec	24.1	24.1	22.5	22.6	20.8
3471	Plating and polishing	17.3	17.3	16.6	16.7	15.1
3479	Metal coating and allied services	6.8	6.8	5.9	5.9	5.7
348	Ordinance and accessories, nec	19.8	19.4	20.0	20.3	20.2
349	Misc. fabricated metal products	60.8	60.0	55.4	54.8	53.2
3494	Valves and pipe fittings	23.4	23.3	21.3	20.9	20.2
3496	Misc. fabricated wire products	14.3	13.9	13.8	13.7	13.1
35	MACHINERY, EXCEPT ELECTRICAL	511.9	509.6	499.0	492.7	480.7
351	Engines and turbines	23.3	23.5	21.7	20.6	20.0
3511	Turbines and turbine generator sets	6.6	6.6	6.4	6.4	6.3
3519	Internal combustion engines, nec	16.7	16.9	15.3	14.2	13.7
352	Farm and garden machinery	24.1	24.0	24.2	22.9	19.8
3523	Farm machinery and equipment	19.3	19.2	16.7	16.3	15.3
353	Construction and related machinery	52.9	53.5	51.3	49.2	47.1
3531	Construction machinery	15.5	15.4	14.4	13.6	12.9
3533	Oil field machinery	17.1	17.7	18.7	17.7	16.6
354	Metalworking machinery	59.8	58.6	51.9	51.1	49.1
3541	Machine tools, metal cutting types	10.7	10.7	9.0	8.6	9.1
3544	Special dies, tools, jigs, and fixtures	16.8	16.6	14.8	14.9	14.6
3545	Machine tool accessories	14.1	13.8	12.2	12.1	11.7
355	Special industry machinery	30.6	30.2	27.6	27.6	26.9
3551	Food products machinery	5.8	5.7	5.4	5.4	5.2
3552	Textile machinery	5.1	4.9	4.5	4.5	4.3
3555	Printing trades machinery	6.8	6.9	7.0	7.2	7.1
356	General industrial machinery	44.8	63.7	58.5	58.1	55.9
3561	Pumps and pumping equipment	11.6	11.5	10.8	10.5	10.4
3562	Ball and roller bearings	14.1	13.7	12.4	13.1	12.3
357	Office and computing machines	167.2	169.1	181.4	181.9	181.0
3573	Electronic computing equipment	140.5	142.3	155.0	156.0	157.0
358	Refrigeration and service machinery	39.7	38.0	35.6	35.0	34.1
3585	Refrigeration and heating equipment	26.7	25.1	23.7	23.2	22.6
359	Misc. machinery, except electrical	49.5	49.0	46.8	46.3	44.8
3599	Machinery, except electrical, nec	39.2	38.9	37.5	37.2	36.1
36	ELECTRIC AND ELECTRONIC EQUIPMENT	903.7	891.9	866.2	864.8	846.8
361	Electric distributing equipment	47.5	45.1	42.5	42.1	40.3
3612	Transformers	19.6	18.7	17.8	17.4	17.4
3613	Switchgear and switchboard apparatus	27.9	26.4	24.7	24.7	22.9
362	Electrical industrial apparatus	93.1	91.9	82.3	81.5	78.4
3621	Motors and generators	51.8	50.6	43.9	43.8	41.5
3622	Industrial controls	29.2	29.0	27.7	27.0	26.7
363	Household appliances	61.2	60.8	52.3	53.2	50.1
3632	Household refrigerators and freezers	10.9	10.7	8.3	8.5	7.5
3633	Household laundry equipment	4.9	5.0	3.6	3.5	4.0
3634	Electric housewares and fans	28.1	28.5	25.4	26.4	23.9
364	Electric lighting and wiring equipment	94.2	90.8	84.9	84.1	80.6
3641	Electric lamps	20.5	19.4	20.3	19.4	18.4

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	June 1981	July 1981	May 1982	June 1982	July 1982
ELECTRIC AND ELECTRONIC EQUIPMENT—Continued						
3643	Current-carrying wiring devices	41.5	40.5	36.8	37.3	35.2
365	Radio and TV receiving equipment	57.0	56.5	50.9	50.0	48.2
3651	Radio and TV receiving sets	42.6	42.2	37.7	38.2	36.9
366	Communication equipment	212.7	211.7	211.1	210.0	209.7
3661	Telephone and telegraph apparatus	75.0	74.3	69.7	68.3	68.1
3662	Radio and TV communication equipment	137.7	137.4	141.4	141.7	141.6
367	Electronic components and accessories	285.0	282.1	287.1	288.8	295.8
3671-3	Electronic tubes	16.6	16.7	16.2	16.2	16.0
3674	Semiconductors and related devices	102.8	102.5	105.5	106.5	107.8
3679	Electronic components, nec	116.8	114.3	119.5	119.9	118.6
369	Misc. electrical equipment and supplies	53.0	53.0	55.1	55.1	53.7
3694	Engine electrical equipment	22.9	23.0	24.8	24.8	24.0
37	TRANSPORTATION EQUIPMENT	314.7	312.3	285.9	286.2	286.0
371	Motor vehicles and equipment	117.7	113.9	100.7	100.6	100.8
3711	Motor vehicles and car bodies	43.9	42.7	34.1	33.5	34.6
3713	Truck and bus bodies	4.2	4.2	3.4	3.3	3.4
3714	Motor vehicle parts and accessories	66.2	63.7	59.7	60.4	59.3
372	Aircraft and parts	124.2	124.5	117.5	117.5	117.5
3721	Aircraft	67.7	68.6	64.8	64.9	64.7
3724	Aircraft engines and engine parts	29.0	28.6	25.8	25.6	25.5
3728	Aircraft equipment, nec	27.5	27.3	26.9	27.0	27.3
373	Ship and boat building and repairing	24.9	25.5	23.5	23.7	23.1
3731	Ship building and repairing	18.6	19.2	17.3	17.0	17.1
374	Railroad equipment	5.9	5.9	4.1	4.1	4.0
376	Guided missiles, space vehicles, parts	27.3	27.9	29.2	29.4	29.5
3761	Guided missiles and space vehicles	22.2	22.7	23.9	24.1	24.2
379	Miscellaneous transportation equipment	7.8	7.5	7.1	7.2	6.9
38	INSTRUMENTS AND RELATED PRODUCTS	312.3	309.4	303.2	304.3	298.8
381	Engineering and scientific instruments	24.6	24.5	24.2	24.3	24.0
382	Measuring and controlling devices	112.3	110.8	105.6	105.2	102.9
3822	Environmental controls	23.4	23.9	21.1	21.1	20.5
3823	Process control instruments	21.0	20.7	19.6	19.6	19.9
3825	Instruments to measure electricity	48.9	47.9	47.9	47.9	47.5
383	Optical instruments and lenses	11.8	11.9	11.8	11.7	11.7
384	Medical instruments and supplies	87.1	85.6	88.1	88.4	86.5
3841	Surgical and medical instruments	43.1	42.8	43.3	44.0	43.4
3842	Surgical appliances and supplies	36.0	34.9	37.0	36.7	35.5
385	Ophthalmic goods	24.5	24.1	22.3	22.4	21.7
386	Photographic equipment and supplies	40.6	41.0	40.5	41.5	41.7
387	Watches, clocks, and watchcases	11.4	11.5	10.7	10.8	10.3
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	194.1	190.1	177.9	178.4	173.3
391	Jewelry, silverware, and plated ware	25.9	24.1	25.3	25.3	24.1
393	Musical instruments	10.0	9.9	9.0	8.6	9.6
394	Toys and sporting goods	63.2	63.3	56.0	56.3	55.2
3942, 4	Dolls, games, toys, and children's vehicles	34.6	35.5	29.1	30.0	30.1
3949	Sporting and athletic goods, nec	28.6	27.8	26.9	26.3	26.1
395	Pens, pencils, office and art supplies	20.2	20.4	18.8	18.6	18.1
396	Costume jewelry and notions	26.9	24.7	23.3	23.7	21.5
399	Miscellaneous manufactures	47.9	47.7	45.5	45.9	44.8
NONDURABLE GOODS						
20	FOOD AND KINDRED PRODUCTS	489.8	510.4	469.5	479.3	504.5
201	Meat products	117.0	117.2	113.1	114.4	113.5
2011	Meat packing plants	28.4	28.3	27.1	26.6	26.2
2013	Sausages and other prepared meats	21.4	21.4	21.0	21.2	21.1
2016	Poultry dressing plants	60.5	61.4	58.3	59.6	59.4
202	Dairy products	38.2	38.2	36.2	37.3	37.6
2026	Fluid milk	17.1	17.1	16.1	16.4	16.4
203	Preserved fruits and vegetables	88.1	107.6	83.1	86.2	109.6
2032	Canned specialties	8.1	8.3	8.0	8.0	8.1
2033	Canned fruits and vegetables	24.5	43.9	22.1	23.0	41.0
2037	Frozen fruits and vegetables	22.4	20.2	20.6	21.5	23.2
204	Grain mill products	29.3	29.0	28.2	28.7	28.1
205	Bakery products	57.7	57.4	57.7	58.6	58.9
2051	Bread, cake, and related products	38.6	38.1	38.9	39.3	39.4
2052	Cookies and crackers	19.1	19.3	18.8	19.3	19.5
206	Sugar and confectionery products	58.6	38.6	37.7	38.3	37.7
207	Fats and oils	5.7	5.8	5.9	5.8	5.3
208	Beverages	41.6	42.5	43.5	44.0	43.5
2082	Malt beverages	7.6	8.1	8.5	8.4	8.2
2086	Bottled and canned soft drinks	18.6	19.2	19.7	20.0	20.1
209	Misc. foods and kindred products	73.6	74.1	64.1	66.0	69.8
21	TOBACCO MANUFACTURES	23.0	23.0	21.0	21.4	20.9
211	Cigarettes	15.3	15.3	13.7	14.4	14.6

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	June 1981	July 1981	May 1982	June 1982	July 1982
22	TEXTILE MILL PRODUCTS	356.6	388.9	361.9	355.8	346.7
221	Weaving mills, cotton	61.6	60.9	55.5	53.3	52.2
222	Weaving mills, synthetics	46.5	46.3	39.6	36.0	37.4
223	Weaving and finishing mills, wool	7.5	6.8	6.7	6.5	6.1
224	Narrow fabric mills	14.4	13.9	13.6	13.5	11.8
225	Knitting mills	142.6	140.3	132.5	134.1	130.7
2251	Women's hosiery, except socks	24.8	24.5	23.9	24.3	23.9
2252	Hosiery, nec	24.1	24.0	22.1	22.3	22.3
2253	Knit outerwear mills	51.3	51.0	49.3	50.1	48.4
2254	Knit underwear mills	23.0	21.9	20.3	20.7	20.0
2257	Circular knit fabric mills	11.3	11.2	9.9	9.7	9.3
226	Textile finishing, except wool	21.5	20.4	20.5	20.5	19.8
2261	Finishing plants, cotton	9.6	9.1	9.8	9.7	9.4
2262	Finishing plants, synthetic	6.1	5.8	5.4	5.4	5.2
227	Floor covering mills	22.3	22.2	20.9	20.9	20.0
228	Yarn and thread mills	60.5	59.1	55.2	54.1	52.2
2281	Yarn mills, except wool	38.5	38.1	35.6	35.1	34.2
2282	Throwing and winding mills	12.0	11.4	10.4	10.3	9.5
229	Miscellaneous textile goods	19.7	19.0	17.4	16.9	16.5
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,026.9	980.3	944.1	951.4	875.6
231	Men's and boys' suits and coats	60.3	58.3	57.9	58.4	54.0
232	Men's and boys' furnishings	300.7	290.6	278.1	280.3	265.1
2321	Men's and boys' shirts and nightwear	66.1	64.0	60.7	62.6	78.5
2327	Men's and boys' separate trousers	61.0	59.2	57.7	57.1	54.7
2328	Men's and boys' work clothing	66.3	62.3	78.3	79.8	75.1
233	Women's and misses' outerwear	355.4	334.2	320.7	323.0	277.4
2331	Women's and misses' blouses and waists	55.7	54.8	52.7	53.4	43.9
2335	Women's and misses' dresses	122.0	111.0	110.5	110.1	95.9
2337	Women's and misses' suits and coats	52.8	50.5	43.0	46.4	41.7
2339	Women's and misses' outerwear, nec	124.9	117.9	114.5	113.1	97.9
234	Women's and children's undergarments	79.0	77.2	74.3	73.9	71.4
2341	Women's and children's underwear	63.7	62.2	61.5	61.3	59.1
2342	Brassieres and allied garments	15.3	15.0	12.8	12.6	12.3
236	Children's outerwear	56.0	55.1	53.0	53.7	52.4
2361	Children's dresses and blouses	24.2	24.1	23.1	23.4	22.6
238	Misc. apparel and accessories	44.6	41.8	39.9	40.5	36.7
239	Misc. fabricated textile products	114.0	106.8	104.2	105.3	100.9
2391	Curtains and draperies	21.3	20.4	18.8	18.8	18.0
2392	House furnishings, nec	30.5	29.6	29.5	29.9	28.8
2396	Automotive and apparel trimmings	17.0	13.3	13.7	14.1	13.4
26	PAPER AND ALLIED PRODUCTS	162.4	161.7	154.0	153.5	151.9
261, 2.6	Paper and pulp mills	28.7	28.8	26.8	27.6	27.5
262	Paper mills, except building paper	25.7	25.9	24.1	24.9	24.8
263	Paperboard mills	6.1	6.1	5.6	5.6	5.4
264	Misc. converted paper products	78.8	78.8	76.3	75.2	74.3
265	Paperboard containers and boxes	48.8	48.0	45.3	45.1	44.7
27	PRINTING AND PUBLISHING	505.0	505.8	517.6	516.2	512.8
271	Newspapers	161.0	161.5	165.2	166.1	166.0
272	Periodicals	56.1	57.2	59.0	59.5	59.5
273	Books	53.9	53.1	54.3	52.7	52.1
274	Miscellaneous publishing	26.8	26.5	27.2	27.6	27.2
275	Commercial printing	132.0	131.2	134.9	133.2	130.6
2751	Commercial printing, letterpress	52.5	51.9	51.7	51.4	50.4
2752	Commercial printing, lithographic	73.1	72.9	76.6	75.6	74.2
276	Manifold business forms	15.9	15.8	15.7	15.8	15.7
278	Blankbooks and bookbinding	33.2	33.8	33.8	33.9	33.9
279	Printing trade services	11.4	11.7	12.7	12.7	12.8
28	CHEMICALS AND ALLIED PRODUCTS	267.7	267.3	280.7	283.1	280.5
281	Industrial inorganic chemicals	24.5	24.1	24.1	24.5	24.4
2819	Industrial inorganic chemicals, nec	16.4	16.2	16.1	16.3	16.3
282	Plastics materials and synthetics	43.3	43.7	41.2	40.9	40.1
2821	Plastics materials and resins	11.5	11.8	11.0	11.1	11.0
2824	Organic fibers, noncellulosic	22.1	22.2	21.8	21.6	21.1
283	Drugs	86.6	86.9	86.2	86.6	86.2
2834	Pharmaceutical preparations	72.7	72.9	72.1	72.3	71.7
284	Soap, cleaners, and toilet goods	60.2	55.8	57.2	59.2	59.6
2841	Soap and other detergents	10.1	10.0	9.5	10.1	10.0
2844	Toilet preparations	37.5	37.3	35.6	36.9	37.4
285	Paints and allied products	12.5	12.5	11.7	11.8	11.6
286	Industrial organic chemicals	27.8	28.0	28.0	28.2	27.8
2861,9	Gum, wood, and industrial organic chemicals, nec	23.1	23.3	23.5	23.7	23.4
287	Agricultural chemicals	11.0	11.0	10.9	10.8	10.3
289	Miscellaneous chemical products	21.8	21.3	21.4	21.1	20.5

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	June 1981	July 1981	May 1982	June 1982	July 1982
29	PETROLEUM AND COAL PRODUCTS	31.7	32.2	32.1	32.2	32.4
291	Petroleum refining	26.3	26.8	26.9	27.1	27.2
30	RUBBER AND MISC. PLASTICS PRODUCTS	266.3	260.8	245.6	247.2	240.6
301	Tires and inner tubes	10.5	10.5	9.2	9.3	9.0
302	Rubber and plastics footwear	14.0	13.5	12.9	13.1	13.0
303.4	Reclaimed rubber, and rubber and plastics hose and belting	7.5	7.4	5.2	5.1	5.0
306	Fabricated rubber products, nec	37.2	36.5	33.3	33.5	32.6
307	Miscellaneous plastics products	197.1	192.9	185.0	186.2	191.0
31	LEATHER AND LEATHER PRODUCTS	143.4	136.3	127.5	129.2	118.4
311	Leather tanning and finishing	3.0	2.7	2.8	2.7	2.6
314	Footwear, except rubber	97.4	93.3	85.9	88.0	80.1
3143	Men's footwear, except athletic	36.8	34.4	31.1	32.1	28.9
3144	Women's footwear, except athletic	38.3	37.4	33.7	34.5	32.2
316	Luggage	8.5	7.9	7.4	7.6	7.1
317	Handbags and personal leather goods	20.9	20.1	18.4	18.5	16.8
-	TRANSPORTATION AND PUBLIC UTILITIES	1,346	1,328	1,347	1,348	1,322
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	68.6	42.8	85.0	79.1	49.5
411	Local and suburban transportation	15.3	14.8	16.9	16.8	15.8
412	Taxicabs	6.7	6.5	6.8	6.6	6.3
413	Intercity highway transportation	5.0	4.8	4.8	4.9	4.9
415	School buses	38.2	13.9	52.7	47.2	19.3
42	TRUCKING AND WAREHOUSING	154.3	154.1	152.2	153.6	154.3
421.3	Trucking and trucking terminals	138.8	138.0	135.7	137.0	137.9
422	Public warehousing	15.5	16.1	16.5	16.6	16.4
44	WATER TRANSPORTATION	24.2	25.2	25.4	26.0	25.8
45	TRANSPORTATION BY AIR	151.2	152.1	146.6	144.0	146.3
451.2	Air transportation	142.3	143.2	137.0	134.1	136.5
46	PIPE LINES, EXCEPT NATURAL GAS	3.2	3.3	3.3	3.3	3.3
47	TRANSPORTATION SERVICES	101.4	103.1	113.6	115.2	115.9
48	COMMUNICATION	650.8	653.1	628.7	630.2	629.8
481	Telephone communication	555.9	558.1	524.7	525.0	523.8
483	Radio and television broadcasting	67.8	67.6	73.0	73.5	72.8
49	ELECTRIC, GAS, AND SANITARY SERVICES	165.0	167.6	168.6	172.8	174.2
491	Electric services	76.9	77.7	80.2	81.7	82.4
492	Gas production and distribution	39.4	40.5	39.8	41.0	41.1
493	Combination utility services	37.3	37.8	36.7	37.9	39.4
495	Sanitary services	6.3	6.5	6.5	6.6	6.8
-	WHOLESALE AND RETAIL TRADE	8,979	8,937	9,106	9,117	9,079
50,51	WHOLESALE TRADE	1,394	1,388	1,406	1,407	1,396
50	WHOLESALE TRADE-DURABLE GOODS	773	773	778	779	771
501	Motor vehicles and automotive equipment	88.4	88.3	90.8	91.0	90.5
502	Furniture and home furnishings	43.6	43.9	45.5	45.5	45.6
503	Lumber and construction materials	36.6	36.7	36.5	37.0	37.0
504	Sporting goods, toys, and hobby goods	24.2	24.0	23.9	24.5	24.2
505	Metals and minerals, except petroleum	29.6	29.7	27.9	27.6	27.1
506	Electrical goods	127.4	125.8	128.3	128.4	127.1
507	Hardware, plumbing, and heating equipment	65.8	66.2	64.5	64.7	64.2
508	Machinery, equipment, and supplies	309.5	312.0	314.5	314.8	311.7
509	Miscellaneous durable goods	48.2	46.8	46.0	45.1	47.5
51	WHOLESALE TRADE-NONDURABLE GOODS	621	615	628	628	625
511	Paper and paper products	49.0	49.1	50.4	50.4	51.0
512	Drugs, proprietaries, and sundries	65.5	64.8	67.1	67.5	68.2
513	Apparel, piece goods, and notions	83.4	82.8	83.3	85.2	85.2
514	Groceries and related products	157.9	156.4	156.8	158.1	155.1
516	Chemicals and allied products	35.9	35.9	37.6	37.9	37.9
517	Petroleum and petroleum products	54.8	55.6	55.7	56.0	56.0
518	Beer, wine, and distilled beverages	22.2	22.2	21.9	22.1	22.2
519	Miscellaneous nondurable goods	118.8	117.5	123.0	121.4	120.9

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	June 1981	July 1981	May 1982	June 1982	July 1982
52-59	RETAIL TRADE	7,585	7,549	7,700	7,710	7,683
52	BUILDING MATERIALS AND GARDEN SUPPLIES	164.2	161.7	160.7	159.2	155.0
521	Lumber and other building materials	66.0	65.2	63.3	64.2	63.4
525	Hardware stores	56.0	56.5	54.9	55.7	54.9
53	GENERAL MERCHANDISE STORES	1,413.0	1,422.5	1,467.6	1,476.2	1,491.0
531	Department stores	1,151.7	1,161.3	1,210.0	1,218.5	1,224.6
533	Variety stores	179.1	177.0	171.3	169.4	169.8
539	Misc. general merchandise stores	82.2	84.2	86.3	88.3	87.6
54	FOOD STORES	1,047.4	1,041.5	1,067.1	1,081.0	1,072.2
541	Grocery stores	876.8	874.1	893.7	906.2	900.0
542	Meat markets and freezer provisioners	17.4	17.3	17.2	16.7	17.1
546	Retail bakeries	81.5	78.8	82.4	83.1	78.9
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	307.0	311.2	312.7	318.0	320.5
551.2	New and used car dealers	112.0	111.0	108.4	109.0	109.1
553	Auto and home supply stores	48.3	49.2	50.4	51.7	50.7
554	Gasoline service stations	130.6	134.9	138.6	141.2	144.0
56	APPAREL AND ACCESSORY STORES	663.7	656.5	664.6	667.2	662.9
561	Men's and boys' clothing and furnishings	56.0	55.7	55.6	56.0	56.0
562	Women's ready-to-wear stores	309.5	302.8	308.8	309.5	305.9
565	Family clothing stores	133.7	133.8	132.2	133.3	132.0
566	Shoe stores	66.8	86.4	88.3	89.2	89.6
57	FURNITURE AND HOME FURNISHING STORES	201.1	202.5	203.7	203.0	202.4
571	Furniture and home furnishings stores	135.5	136.3	135.0	133.8	133.2
572	Household appliance stores	21.8	22.1	22.4	22.6	23.3
573	Radio, television, and music stores	43.8	44.1	46.3	46.6	45.9
58	EATING AND DRINKING PLACES	2,742.1	2,718.7	2,741.6	2,730.3	2,721.4
59	MISCELLANEOUS RETAIL	1,046.1	1,034.6	1,082.4	1,074.6	1,067.1
591	Drug stores and proprietary stores	311.7	310.0	313.0	313.1	312.2
592	Liquor stores	36.2	36.4	36.1	36.3	37.2
594	Miscellaneous shopping goods stores	364.0	361.7	384.3	384.0	381.7
596	Nonstore retailers	157.5	153.5	163.4	162.2	161.5
598	Fuel and ice dealers	22.9	22.7	24.3	24.0	23.8
599	Retail stores, nec	132.3	128.9	140.1	133.9	129.0
-	FINANCE, INSURANCE, AND REAL ESTATE	3,176	3,191	3,196	3,227	3,231
60	BANKING	1,162.9	1,168.9	1,168.4	1,179.2	1,182.1
602	Commercial and stock savings banks	1,069.4	1,074.9	1,074.5	1,084.4	1,086.8
61	CREDIT AGENCIES OTHER THAN BANKS	402.5	403.2	407.0	409.5	409.4
612	Savings and loan associations	156.9	157.3	204.1	205.5	205.9
614	Personal credit institutions	132.7	132.4	128.4	128.4	128.0
62	SECURITY, COMMODITY BROKERS, AND SERVICES	109.6	112.2	121.5	123.2	123.1
621	Security brokers and dealers	89.7	92.1	100.9	102.4	102.1
63	INSURANCE CARRIERS	755.9	757.8	745.5	747.1	746.2
631	Life insurance	305.2	305.5	301.2	302.0	301.6
632	Medical service and health insurance	103.4	103.1	102.0	102.2	101.6
633	Fire, marine, and casualty insurance	297.1	298.1	295.1	295.4	295.2
64	INSURANCE AGENTS, BROKERS, AND SERVICE	293.3	295.2	302.3	305.8	304.1
65	REAL ESTATE	376.7	377.3	370.9	382.3	385.7
651	Real estate operators and lessors	150.8	150.2	154.2	159.1	161.5
653	Real estate agents and managers	175.6	176.6	170.2	175.1	176.4
655	Subdividers and developers	35.8	36.4	34.0	35.5	35.2
66	COMBINED REAL ESTATE, INSURANCE, ETC	11.8	11.8	11.7	11.7	11.7
67	HOLDING AND OTHER INVESTMENT OFFICES	63.4	64.9	68.4	68.4	69.9
-	SERVICES	10,975	10,975	11,289	11,310	11,300
70	HOTELS AND OTHER LODGING PLACES	638.7	666.3	607.6	634.4	656.4
701	Hotels, motels, and tourist courts	612.4	624.3	588.8	608.9	617.0

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	June 1981	July 1981	May 1982	June 1982	July 1982
72	PERSONAL SERVICES	621.7	618.4	634.6	635.2	629.3
721	Laundry, cleaning, and garment services	225.8	222.2	222.5	222.7	220.5
723	Beauty shops	250.3	251.4	263.1	264.1	264.3
726	Funeral service and crematories	19.5	19.3	20.6	20.8	21.0
73	BUSINESS SERVICES	1,415.6	1,425.3	1,426.0	1,429.0	1,433.2
731	Advertising	74.3	74.7	78.3	78.8	78.6
732	Credit reporting and collection	54.2	54.0	53.6	54.2	54.5
733	Mailing, reproduction, stenographic	62.8	62.7	64.7	64.3	64.7
734	Services to buildings	197.5	193.7	204.9	206.6	206.4
736	Personnel supply services	367.0	380.1	345.5	341.9	346.8
737	Computer and data processing services	156.2	158.2	169.6	169.7	169.1
75	AUTO REPAIR, SERVICES, AND GARAGES	96.0	95.7	99.0	99.8	100.9
753	Automotive repair shops	43.7	44.0	48.4	49.0	50.3
76	MISCELLANEOUS REPAIR SERVICES	57.8	57.5	58.7	58.4	59.2
78	MOTION PICTURES	87.7	88.9	81.7	87.6	90.9
781	Motion picture production and services	25.2	24.2	24.7	26.8	26.7
783	Motion picture theaters	56.3	58.6	50.8	54.8	59.2
79	AMUSEMENT AND RECREATION SERVICES	338.4	345.1	345.3	375.3	394.4
80	HEALTH SERVICES	4,524.2	4,551.8	4,674.2	4,723.4	4,733.0
801	Offices of physicians	612.7	619.1	636.3	644.9	647.0
802	Offices of dentists	308.2	310.2	326.1	329.7	332.8
805	Nursing and personal care facilities	916.1	918.5	938.7	948.3	950.4
806	Hospitals	2,348.5	2,364.0	2,415.3	2,439.9	2,445.6
81	LEGAL SERVICES	380.7	383.9	392.5	401.3	403.7
82	EDUCATIONAL SERVICES	576.9	516.7	661.4	584.3	532.7
821	Elementary and secondary schools	200.4	167.6	207.1	194.2	168.4
822	Colleges and universities	309.9	284.4	384.0	321.7	298.0
83	SOCIAL SERVICES	848.8	842.8	885.2	866.5	854.6
89	MISCELLANEOUS SERVICES	347.3	350.5	358.0	362.2	361.6
891	Engineering and architectural services	127.7	128.4	127.5	130.0	130.5
893	Accounting, auditing, and bookkeeping	158.4	159.2	169.2	170.2	159.6
-	GOVERNMENT	7,866	7,674	7,867	7,780	7,944
-	FEDERAL GOVERNMENT	895	899	880	1,036	1,164
-	STATE AND LOCAL GOVERNMENT	6,911	6,175	6,987	6,744	5,880
-	State government	1,557.7	1,544.7	1,644.9	1,552.8	1,486.7
-	Hospitals	327.0	327.8	320.4	320.4	320.5
-	State education	605.9	548.5	677.0	583.1	516.9
-	General administration including executive, legislative, and judicial functions	442.3	445.4	435.4	434.8	434.5
-	Local government	5,313.5	4,630.2	5,342.4	5,191.0	4,393.1
-	Transportation and public utilities	93.1	55.5	96.6	97.2	97.3
-	Hospitals	510.8	512.8	523.9	528.1	529.7
-	Local education	3,478.3	2,713.2	3,574.1	3,374.3	2,409.1
-	General administration including executive, legislative, and judicial functions	1,006.1	1,066.1	957.9	995.5	1,059.1

**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	1981				1982								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. p	Sept. p
TOTAL	91,363	91,224	90,996	90,642	90,460	90,459	90,304	90,083	90,166	89,839	89,535	89,768	89,028
GOODS-PRODUCING	25,583	25,393	25,176	24,908	24,684	24,631	24,450	24,289	24,255	23,994	23,840	23,639	23,546
MINING	1,192	1,195	1,202	1,206	1,201	1,203	1,197	1,182	1,152	1,124	1,100	1,082	1,080
CONSTRUCTION	4,124	4,101	4,071	4,026	3,966	3,974	3,934	3,938	3,988	3,940	3,927	3,895	3,890
MANUFACTURING	20,267	20,097	19,903	19,676	19,517	19,454	19,319	19,169	19,115	18,930	18,813	18,662	18,576
DURABLE GOODS	12,184	12,059	11,901	11,724	11,622	11,575	11,490	11,375	11,332	11,203	11,133	10,984	10,904
Lumber and wood products	661	643	628	615	607	611	607	615	617	615	614	612	615
Furniture and fixtures	473	469	462	457	452	449	446	443	443	442	439	443	441
Stone, clay, and glass products	638	629	620	610	596	596	590	584	586	580	579	574	573
Primary metal industries	1,125	1,104	1,082	1,053	1,038	1,024	1,007	976	945	926	906	888	880
Fabricated metal products	1,604	1,577	1,553	1,529	1,515	1,505	1,496	1,481	1,472	1,452	1,446	1,427	1,416
Machinery, except electrical	2,539	2,532	2,511	2,486	2,459	2,446	2,419	2,389	2,377	2,322	2,274	2,232	2,212
Electric and electronic equipment	2,113	2,101	2,077	2,049	2,055	2,048	2,038	2,034	2,034	2,026	2,018	2,004	1,997
Transportation equipment	1,884	1,861	1,830	1,791	1,777	1,778	1,774	1,748	1,755	1,745	1,759	1,718	1,689
Instruments and related products	734	731	727	725	720	718	716	713	713	708	708	702	700
Miscellaneous manufacturing ind.	413	412	411	409	403	400	397	392	390	387	390	384	381
NONDURABLE GOODS	8,083	8,038	8,002	7,952	7,895	7,879	7,829	7,794	7,783	7,727	7,680	7,578	7,572
Food and kindred products	1,658	1,662	1,664	1,661	1,657	1,663	1,658	1,643	1,652	1,637	1,643	1,626	1,572
Tobacco manufactures	69	69	69	68	69	68	68	67	67	67	65	65	67
Textile mill products	827	814	804	794	780	777	760	773	759	741	741	737	736
Apparel and other textile products	1,253	1,243	1,235	1,222	1,201	1,201	1,186	1,165	1,165	1,161	1,126	1,146	1,143
Paper and allied products	655	685	681	677	674	670	668	664	661	658	657	654	659
Printing and publishing	1,274	1,276	1,276	1,276	1,275	1,276	1,278	1,274	1,274	1,269	1,267	1,270	1,269
Chemicals and allied products	1,110	1,107	1,103	1,100	1,095	1,093	1,088	1,082	1,079	1,073	1,068	1,070	1,068
Petroleum and coal products	216	215	215	214	210	208	207	206	207	205	205	205	211
Rubber and misc. plastic products	746	734	725	716	712	708	703	706	708	704	700	697	692
Leather and leather products	235	233	230	224	222	215	213	214	211	212	208	208	208
SERVICE-PRODUCING	65,780	65,831	65,820	65,734	65,776	65,828	65,854	65,794	65,911	65,845	65,695	65,629	65,492
TRANSPORTATION AND PUBLIC UTILITIES	5,181	5,162	5,150	5,128	5,125	5,115	5,100	5,094	5,101	5,078	5,044	5,024	5,073
WHOLESALE AND RETAIL TRADE	20,660	20,654	20,623	20,524	20,630	20,670	20,655	20,584	20,652	20,595	20,615	20,544	20,488
WHOLESALE TRADE	5,383	5,380	5,375	5,357	5,346	5,343	5,336	5,323	5,331	5,307	5,299	5,288	5,277
RETAIL TRADE	15,277	15,274	15,248	15,167	15,284	15,327	15,319	15,261	15,321	15,288	15,316	15,256	15,211
FINANCE, INSURANCE, AND REAL ESTATE	5,328	5,325	5,324	5,331	5,326	5,326	5,336	5,335	5,342	5,352	5,359	5,361	5,367
SERVICES	18,707	18,773	18,815	18,834	18,831	18,867	18,904	18,929	18,963	18,988	19,042	19,042	19,054
GOVERNMENT	15,904	15,917	15,908	15,917	15,864	15,850	15,859	15,852	15,853	15,832	15,635	15,658	15,560
FEDERAL	2,764	2,757	2,749	2,756	2,741	2,737	2,736	2,730	2,728	2,739	2,737	2,740	2,734
STATE AND LOCAL	13,140	13,160	13,159	13,161	13,123	13,113	13,123	13,122	13,125	13,093	12,898	12,918	12,826

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	1981						1982						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
TOTAL	39,181	39,199	39,187	39,198	39,139	39,098	39,089	39,147	39,150	39,093	39,181	39,195	39,180
GOODS-PRODUCING	6,938	6,927	6,909	6,871	6,814	6,759	6,712	6,692	6,650	6,601	6,593	6,536	6,502
MINING	131	133	135	137	138	141	140	141	142	143	141	138	137
CONSTRUCTION	383	383	382	381	381	381	384	382	382	384	383	381	379
MANUFACTURING	6,424	6,411	6,392	6,353	6,295	6,237	6,188	6,169	6,126	6,074	6,069	6,017	5,989
DURABLE GOODS	3,087	3,087	3,074	3,050	3,008	2,972	2,957	2,942	2,922	2,894	2,891	2,855	2,860
Lumber and wood products	104	103	100	98	95	94	93	92	91	91	91	91	91
Furnitures and fixtures	145	144	142	142	139	137	136	135	135	133	133	133	131
Stone, clay, and glass products	127	128	126	126	123	122	120	119	119	117	117	115	116
Primary metal industries	126	126	125	122	119	116	113	112	110	107	107	105	107
Fabricated metal products	344	342	340	333	326	320	317	315	313	309	308	307	304
Machinery, except electrical	514	519	520	520	517	511	507	505	503	500	499	493	487
Electric and electronic equipment	904	905	905	898	884	874	880	876	870	867	869	860	859
Transportation equipment	314	314	312	308	304	298	296	295	293	287	286	284	288
Instruments and related products	311	313	312	311	310	309	307	306	304	303	303	301	301
Miscellaneous manufacturing ind.	198	193	192	192	191	191	188	186	184	180	178	176	180
NONDURABLE GOODS	3,337	3,324	3,318	3,303	3,287	3,265	3,231	3,227	3,204	3,180	3,178	3,152	3,128
Food and kindred products	503	497	492	499	501	500	495	499	499	491	495	490	499
Tobacco manufactures	26	26	25	25	25	25	25	24	24	24	24	24	24
Textile mill products	398	394	394	388	383	378	370	368	362	367	367	353	355
Apparel and other textile products	1,014	1,012	1,012	1,004	998	988	971	958	939	938	938	935	905
Paper and allied products	162	162	163	160	158	158	157	157	156	155	154	151	152
Printing and publishing	508	510	512	513	513	515	516	518	518	518	519	517	515
Chemicals and allied products	285	284	285	285	285	285	284	284	283	282	281	280	278
Petroleum and coal products	31	31	32	32	32	32	32	33	33	32	32	31	31
Rubber and misc. plastics products	267	267	263	258	254	250	247	245	244	245	247	245	246
Leather and leather products	143	141	140	139	138	134	133	128	127	127	126	126	124
SERVICE-PRODUCING	32,243	32,272	32,278	32,327	32,325	32,339	32,377	32,455	32,500	32,492	32,588	32,659	32,678
TRANSPORTATION AND PUBLIC UTILITIES	1,342	1,348	1,355	1,355	1,351	1,358	1,338	1,339	1,339	1,342	1,348	1,341	1,335
WHOLESALE AND RETAIL TRADE	9,021	9,043	9,057	9,066	9,049	9,022	9,084	9,129	9,130	9,118	9,156	9,124	9,164
WHOLESALE TRADE	1,396	1,403	1,406	1,407	1,412	1,408	1,405	1,408	1,409	1,411	1,410	1,406	1,403
RETAIL TRADE	7,625	7,640	7,651	7,659	7,637	7,614	7,679	7,721	7,721	7,707	7,746	7,718	7,761
FINANCE, INSURANCE, AND REAL ESTATE	3,169	3,172	3,182	3,183	3,186	3,189	3,185	3,185	3,190	3,194	3,202	3,211	3,209
SERVICES	10,972	10,989	11,028	11,086	11,113	11,135	11,151	11,192	11,216	11,229	11,255	11,265	11,300
GOVERNMENT	7,739	7,720	7,656	7,637	7,626	7,635	7,619	7,610	7,625	7,609	7,627	7,718	7,670
FEDERAL	878	879	880	876	874	881	877	875	876	873	876	1,014	1,137
STATE AND LOCAL	6,861	6,841	6,776	6,761	6,752	6,754	6,742	6,735	6,749	6,736	6,751	6,704	6,533

ESTABLISHMENT DATA

SEASONALLY ADJUSTED EMPLOYMENT

B-6. Production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

[In thousands]

Industry division and group	1981				1982								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^P	Sept. ^P
TOTAL PRIVATE	61,180	61,017	60,775	60,401	60,248	60,282	60,132	59,923	60,025	59,759	59,670	59,359	59,278
GOODS-PRODUCING	18,164	17,972	17,754	17,478	17,251	17,225	17,073	16,922	16,917	16,686	16,564	16,400	16,326
MINING	876	877	882	883	875	876	871	863	835	805	782	768	767
CONSTRUCTION	3,201	3,180	3,155	3,107	3,035	3,059	3,023	3,017	3,074	3,029	3,022	2,995	2,989
MANUFACTURING	14,087	13,915	13,717	13,488	13,341	13,290	13,179	13,042	13,008	12,852	12,760	12,637	12,580
DURABLE GOODS	8,345	8,218	8,061	7,885	7,793	7,759	7,685	7,576	7,553	7,443	7,388	7,263	7,205
Lumber and wood products	549	531	516	503	497	502	497	507	507	506	505	503	505
Furniture and fixtures	381	376	369	364	359	356	353	350	350	349	346	350	349
Stone, clay, and glass products	492	484	475	465	452	452	446	441	444	438	438	436	435
Primary metal industries	865	843	821	795	780	770	756	727	702	686	669	657	652
Fabricated metal products	1,182	1,156	1,133	1,110	1,096	1,089	1,081	1,069	1,053	1,046	1,043	1,025	1,018
Machinery, except electrical	1,606	1,598	1,576	1,552	1,526	1,514	1,490	1,460	1,454	1,408	1,366	1,330	1,315
Electric and electronic equipment	1,327	1,314	1,285	1,257	1,266	1,258	1,248	1,241	1,240	1,233	1,221	1,208	1,207
Transportation equipment	1,206	1,184	1,159	1,115	1,102	1,108	1,109	1,086	1,098	1,089	1,112	1,074	1,047
Instruments and related products	431	428	424	423	420	418	415	411	412	407	406	402	401
Miscellaneous manufacturing ind.	306	304	303	301	295	292	290	284	283	281	282	278	276
NONDURABLE GOODS	5,742	5,697	5,656	5,603	5,548	5,531	5,494	5,466	5,455	5,409	5,372	5,374	5,375
Food and kindred products	1,137	1,142	1,144	1,140	1,135	1,142	1,138	1,125	1,133	1,121	1,129	1,113	1,109
Tobacco manufactures	54	54	54	53	54	53	53	52	52	52	51	52	49
Textile mill products	717	704	693	683	670	667	651	662	650	633	634	630	633
Apparel and other textile products	1,066	1,056	1,049	1,036	1,018	1,018	1,006	987	985	982	949	968	967
Paper and allied products	525	515	511	506	504	501	499	496	493	489	489	488	494
Printing and publishing	701	702	700	700	699	699	701	698	699	696	694	694	694
Chemicals and allied products	629	625	621	616	612	609	609	602	600	595	591	593	593
Petroleum and coal products	134	133	132	131	125	124	124	123	123	122	122	122	126
Rubber and misc. plastics products	580	568	557	548	544	538	534	541	543	542	541	539	535
Leather and leather products	199	198	195	190	187	180	179	180	177	177	172	175	175
SERVICE-PRODUCING	43,016	43,045	43,021	42,923	42,997	43,057	43,059	43,001	43,108	43,073	43,106	42,959	42,947
TRANSPORTATION AND PUBLIC UTILITIES	4,295	4,275	4,261	4,241	4,241	4,232	4,217	4,209	4,212	4,194	4,165	4,141	4,145
WHOLESALE AND RETAIL TRADE	18,059	18,053	18,016	17,920	18,011	18,061	18,051	17,996	18,065	18,014	18,037	17,934	17,967
WHOLESALE TRADE	4,376	4,373	4,367	4,348	4,332	4,327	4,317	4,301	4,309	4,287	4,282	4,268	4,258
RETAIL TRADE	13,683	13,680	13,649	13,572	13,679	13,734	13,734	13,695	13,756	13,727	13,755	13,666	13,609
FINANCE, INSURANCE, AND REAL ESTATE	4,023	4,019	4,013	4,014	4,007	4,003	4,004	3,999	3,998	4,012	4,013	4,007	4,013
SERVICES	16,639	16,698	16,731	16,748	16,738	16,761	16,787	16,797	16,833	16,853	16,891	16,877	16,917

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

p = preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1979				
January.....	64.2	68.5	72.3	73.7
February.....	61.6	68.3	71.0	70.4
March.....	65.6	65.1	68.8	69.1
April.....	51.6	65.9	63.7	65.6
May.....	61.8	62.1	59.4	59.7
June.....	62.4	63.4	53.5	57.3
July.....	54.3	53.2	58.1	57.5
August.....	53.5	48.4	49.2	55.9
September.....	48.9	53.8	49.7	52.2
October.....	61.8	51.6	51.6	46.0
November.....	50.3	54.0	51.6	39.8
December.....	51.1	51.1	47.6	35.5
1980				
January.....	53.8	50.0	39.8	30.9
February.....	48.9	47.0	34.1	32.3
March.....	49.2	35.2	29.3	32.8
April.....	29.0	28.8	23.1	33.9
May.....	32.8	23.1	26.6	31.7
June.....	29.6	28.2	28.8	32.3
July.....	35.2	34.1	35.8	31.7
August.....	64.0	51.6	44.1	33.9
September.....	61.0	69.1	59.1	33.9
October.....	62.6	67.2	71.2	39.5
November.....	59.4	64.2	64.0	50.8
December.....	54.6	58.9	61.0	62.6
1981				
January.....	56.7	53.5	64.8	73.9
February.....	48.7	52.2	65.9	71.0
March.....	51.1	60.2	67.2	70.4
April.....	68.3	70.2	67.7	62.1
May.....	65.3	70.4	67.2	50.0
June.....	54.0	65.9	67.5	43.3
July.....	59.9	59.4	51.3	35.2
August.....	50.3	57.0	39.0	33.6
September.....	50.3	40.1	33.9	31.5
October.....	34.7	30.6	30.1	27.2
November.....	28.2	26.3	27.7	27.7
December.....	31.2	23.4	24.2	25.8
1982				
January.....	32.5	28.0	21.8	23.1
February.....	42.5	31.2	27.4	22.8p
March.....	35.8	33.6	27.4	20.2p
April.....	40.9	37.1	29.8	
May.....	51.1	35.8	29.3p	
June.....	32.0	35.8	30.1p	
July.....	43.5	27.4p		
August.....	35.5p	31.7p		
September.....	47.3p			
October.....				
November.....				
December.....				

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. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P
1 ALABAMA	1,347.0	1,322.9	1,319.3	16.6	16.3	15.7	66.8	63.4	63.2	366.0	332.6	334.3
2 Birmingham	342.7	335.6	334.2	8.7	8.4	8.3	19.5	19.0	19.0	59.0	51.4	49.6
3 Huntsville	122.9	123.3	125.9	(1)	(1)	(1)	4.1	4.1	4.1	37.0	35.8	38.4
4 Mobile	154.2	147.7	145.3	(1)	(1)	(1)	11.2	9.4	9.0	32.1	28.2	27.5
5 Montgomery	105.9	104.5	103.1	(1)	(1)	(1)	6.2	5.6	5.7	16.8	15.3	14.9
6 Tuscaloosa	50.2	49.1	49.2	2.5	2.7	2.7	2.6	2.0	2.0	8.2	7.9	7.8
7 ALASKA	189.7	199.4	(*)	7.7	9.0	(*)	15.7	17.5	(*)	17.5	17.5	(*)
8 ARIZONA	1,019.0	1,003.5	1,003.4	25.4	17.2	16.4	70.2	59.8	59.6	161.3	151.8	151.3
9 Phoenix	641.5	637.2	636.9	.4	.4	.5	47.8	39.9	39.7	117.4	110.3	109.8
10 Tucson	185.4	182.1	182.5	7.8	4.2	4.1	12.4	11.4	11.4	24.5	25.3	25.2
11 ARKANSAS	738.4	715.8	719.3	6.0	6.1	6.1	36.9	31.9	31.6	213.9	195.7	194.6
12 Fayetteville—Springdale	65.0	63.2	63.2	(1)	(1)	(1)	2.8	2.7	2.7	20.6	18.4	17.6
13 Fort Smith	68.7	64.6	64.2	1.2	1.3	1.2	2.8	2.3	2.4	23.1	19.7	19.7
14 Little Rock—North Little Rock	179.7	176.8	178.5	(1)	(1)	(1)	9.5	9.5	9.7	29.7	26.5	26.5
15 Pine Bluff	30.9	30.1	30.1	(1)	(1)	(1)	1.9	2.1	2.1	6.4	5.5	5.4
16 CALIFORNIA	10,032.9	9,940.4	9,901.5	49.5	48.7	48.3	440.8	376.9	373.3	2,067.5	1,932.8	1,950.9
17 Anaheim—Santa Ana—Garden Grove	864.6	855.5	854.1	2.8	3.0	3.0	50.2	43.2	42.7	223.8	217.9	216.4
18 Bakersfield	137.3	133.9	133.1	14.6	14.4	14.5	7.2	6.2	6.2	10.4	9.5	9.5
19 Fresno	181.3	179.1	178.9	1.0	1.1	1.1	10.5	9.1	8.9	24.5	22.8	23.1
20 Los Angeles—Long Beach	3,614.7	3,565.3	3,537.5	14.6	14.5	14.3	125.5	105.0	103.4	913.8	857.3	854.9
21 Modesto	94.9	89.9	94.4	.1	.1	.1	5.5	5.1	4.9	26.1	22.0	26.9
22 Oxnard—Simi Valley—Ventura	158.4	159.8	159.3	3.0	3.0	3.0	7.3	6.5	6.4	26.2	25.8	25.9
23 Riverside—San Bernardino—Ontario	429.3	428.2	424.8	2.1	1.6	1.6	24.1	21.9	22.1	65.3	60.2	59.5
24 Sacramento	405.9	399.0	402.4	.7	.7	.7	17.6	17.2	17.1	31.8	27.4	30.1
25 Salinas—Seaside—Monterey	90.8	91.3	90.1	.4	.4	.4	3.4	3.4	3.4	9.2	10.0	9.7
26 San Diego	661.1	643.5	643.1	.6	.5	.6	35.3	29.7	28.9	109.7	105.2	104.3
27 San Francisco—Oakland	1,569.2	1,565.9	1,562.2	4.2	4.5	4.5	77.5	74.4	74.9	200.3	191.7	191.3
28 San Jose	696.0	696.3	699.6	.1	.1	.1	25.0	23.0	23.4	256.4	254.5	259.7
29 Santa Barbara—Santa Maria—Lompoc	123.2	123.0	123.2	1.6	1.4	1.4	5.0	4.5	4.5	17.8	18.5	18.8
30 Santa Rosa	95.3	93.5	94.2	.5	.5	.5	6.0	5.0	5.0	15.8	15.7	16.1
31 Stockton	125.8	119.1	122.8	.1	.1	.1	6.0	5.7	5.7	27.8	22.1	25.7
32 Vallejo—Fairfield—Napa	101.5	101.1	100.9	.5	.5	.5	5.3	4.7	4.7	12.1	11.5	11.6
33 COLORADO	1,285.3	1,277.9	1,281.2	43.8	39.6	41.0	77.3	78.0	78.6	187.3	179.2	179.1
34 Denver—Boulder	822.8	822.9	824.4	26.7	28.1	28.3	44.6	46.1	46.7	129.7	125.8	125.1
35 CONNECTICUT	1,426.4	1,406.4	1,395.8	(2)	(2)	(2)	54.9	54.6	53.9	430.0	400.1	392.2
36 Bridgeport	168.4	165.8	167.0	(2)	(2)	(2)	4.7	4.8	4.9	65.2	62.6	62.5
37 Hartford	391.2	393.0	388.2	(2)	(2)	(2)	12.7	12.9	12.2	92.6	89.2	85.8
38 New Britain	61.2	58.6	57.9	(2)	(2)	(2)	2.6	2.6	2.6	28.4	25.0	24.1
39 New Haven—West Haven	185.5	186.9	186.3	(2)	(2)	(2)	6.7	7.0	7.0	41.0	39.0	38.8
40 Stamford	112.9	113.2	111.6	(2)	(2)	(2)	6.1	6.0	5.9	31.9	31.0	29.6
41 Waterbury	88.0	87.5	87.3	(2)	(2)	(2)	3.1	3.3	3.3	31.9	29.7	29.8
42 DELAWARE	261.2	262.2	259.1	(1)	(1)	(1)	14.6	15.6	15.6	68.8	69.6	66.8
43 Wilmington	226.0	226.7	222.2	(1)	(1)	(1)	14.7	15.7	15.8	61.8	62.1	59.1
44 DISTRICT OF COLUMBIA	622.0	625.7	624.4	(1)	(1)	(1)	12.2	12.0	12.0	13.8	14.6	14.6
45 Washington SMSA	1,613.0	1,616.9	1,612.7	(1)	(1)	(1)	79.2	70.5	70.3	57.9	60.9	61.0
46 FLORIDA	3,660.0	3,720.7	3,698.5	11.1	8.9	9.1	289.5	257.8	255.1	465.8	440.5	443.2
47 Daytona Beach	80.0	77.4	75.1	-	-	-	5.3	4.1	4.1	8.5	8.5	8.3
48 Fort Lauderdale—Hollywood	355.2	342.2	340.5	(1)	(1)	(1)	30.0	25.2	25.2	41.0	38.8	38.5
49 Fort Myers—Cape Coral	68.4	68.9	69.0	(1)	(1)	(1)	9.1	8.0	8.2	3.8	4.3	4.3
50 Gainesville	67.9	67.0	66.9	(1)	(1)	(1)	3.5	3.1	2.9	4.4	4.4	4.4
51 Jacksonville	296.1	297.0	297.7	(1)	(1)	(1)	18.3	18.0	17.9	34.5	32.9	33.1
52 Lakeland—Winter Haven	117.1	105.5	105.4	6.1	3.5	3.7	10.3	8.0	7.6	21.6	17.0	17.3
53 Melbourne—Titusville—Cocoa	107.3	104.7	104.6	(1)	(1)	(1)	6.9	5.8	5.8	24.0	23.7	23.8
54 Miami	737.6	719.1	718.1	(1)	(1)	(1)	39.9	34.1	34.0	99.0	96.3	96.2
55 Orlando	302.9	292.5	292.3	(1)	(1)	(1)	22.2	19.7	20.0	38.2	36.4	36.7
56 Pensacola	98.5	97.4	96.8	(1)	(1)	(1)	7.4	6.4	6.3	12.6	12.0	11.7
57 Sarasota	72.7	71.9	70.4	(1)	(1)	(1)	7.7	6.5	6.3	6.4	5.8	5.8
58 Tallahassee	74.4	71.7	73.4	(1)	(1)	(1)	3.7	4.0	3.8	2.8	2.8	2.9
59 Tampa—St. Petersburg	555.2	553.5	553.8	(1)	(1)	(1)	43.0	36.7	36.3	79.3	75.6	75.9
60 West Palm Beach—Boca Raton	215.5	210.5	208.7	(1)	(1)	(1)	20.7	17.7	17.0	28.8	27.6	27.7

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. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	
72.4	70.7	70.7	273.1	271.7	271.9	59.7	59.5	59.5	211.4	213.6	213.0	281.0	295.1	291.0	1
29.8	29.8	29.8	81.6	81.3	81.3	23.2	22.9	22.8	69.4	70.7	71.1	51.5	53.1	52.3	2
2.7	2.6	2.6	22.0	22.4	22.6	3.7	3.6	3.6	19.0	19.6	19.5	34.4	35.2	35.1	3
10.6	10.2	10.1	37.4	35.8	35.4	7.4	7.3	7.2	30.1	30.8	30.7	25.4	26.0	25.4	4
4.5	4.4	4.4	23.4	23.1	23.1	6.3	6.3	6.3	20.7	20.8	20.8	28.0	29.0	27.9	5
1.7	1.7	1.7	10.1	9.7	9.7	1.7	1.7	1.7	6.3	6.5	6.4	17.1	16.9	17.2	6
19.1	20.3	(*)	32.1	34.7	(*)	8.8	9.7	(*)	32.5	34.5	(*)	56.3	56.2	(*)	7
54.0	55.0	55.0	249.5	255.0	254.9	61.8	61.9	61.8	214.6	222.2	221.3	182.2	180.6	183.1	8
33.1	34.1	34.1	166.6	169.2	168.8	47.8	47.8	47.6	138.8	145.5	144.8	89.6	90.0	91.6	9
9.0	8.9	8.9	41.4	43.2	43.4	9.0	9.0	9.0	40.7	42.0	41.8	40.6	38.1	38.7	10
43.7	43.7	43.9	162.1	161.9	162.9	32.4	33.4	33.4	118.2	119.2	118.7	125.2	123.9	128.1	11
3.8	4.2	4.2	16.2	16.5	16.6	2.3	2.4	2.4	9.2	9.2	9.4	10.1	9.8	10.3	12
3.6	3.4	3.4	14.5	13.9	13.9	2.6	2.6	2.6	12.0	12.4	12.1	8.9	9.0	8.9	13
13.7	13.4	13.4	42.2	42.0	42.6	12.9	13.1	13.1	36.3	37.2	37.6	35.4	35.1	35.6	14
3.9	3.8	3.8	6.4	6.3	6.3	1.3	1.4	1.4	5.2	5.4	5.4	5.8	5.6	5.7	15
561.9	553.2	549.9	2,332.1	2,342.7	2,339.8	649.0	659.2	659.2	2,278.0	2,353.1	2,350.3	1,654.1	1,673.8	1,629.8	16
29.9	29.2	29.2	213.9	217.3	217.7	62.0	61.8	61.6	185.7	189.8	190.2	96.3	93.3	93.3	17
8.0	7.5	7.5	34.8	34.5	34.2	5.3	5.3	5.3	25.2	25.6	25.4	31.8	30.9	30.5	18
11.1	10.8	10.8	49.7	48.8	48.8	11.6	11.7	11.8	37.4	38.1	38.1	35.5	36.7	36.3	19
204.5	199.4	196.5	821.6	829.7	827.0	241.9	240.9	240.0	853.3	881.1	878.1	439.5	437.4	423.3	20
4.1	3.8	3.9	21.6	21.6	21.7	3.6	3.6	3.6	17.9	18.2	18.2	15.0	15.5	15.1	21
6.9	7.1	7.0	38.7	39.9	39.7	8.3	8.5	8.5	32.1	32.5	32.5	35.9	36.5	36.3	22
26.4	25.9	25.8	109.3	109.4	109.3	19.9	19.9	19.8	92.4	94.4	94.5	90.3	94.9	92.2	23
23.0	22.3	22.0	95.1	94.8	94.8	22.8	22.5	22.6	78.3	77.8	78.2	136.6	136.3	136.9	24
5.4	4.9	4.9	24.1	24.1	24.1	4.4	4.4	4.4	20.5	20.6	20.5	23.4	24.0	22.7	25
29.7	29.6	29.5	152.9	149.0	149.3	41.1	41.0	40.9	158.7	160.1	161.8	133.1	128.3	127.8	26
133.0	128.5	127.6	364.0	363.7	365.5	151.5	152.7	153.2	370.8	380.0	380.8	267.9	270.4	264.4	27
22.9	22.2	22.1	129.0	133.1	133.0	28.9	28.3	28.2	160.2	163.7	162.4	73.5	71.4	70.7	28
5.5	5.4	5.4	29.6	29.4	29.4	5.9	6.0	6.0	34.2	34.9	34.9	23.6	22.9	22.8	29
5.1	4.9	4.9	23.5	23.7	23.7	6.0	6.0	6.0	20.5	20.6	20.6	17.9	17.1	17.4	30
8.5	8.2	8.9	29.1	27.7	28.3	5.3	5.4	5.4	24.8	24.9	24.9	24.2	24.0	23.8	31
4.8	4.6	4.6	22.9	23.0	23.1	3.5	3.4	3.4	19.5	20.0	19.9	32.9	33.3	33.1	32
82.6	80.9	81.1	314.9	315.7	317.4	80.4	82.7	82.8	270.1	276.9	277.8	228.7	224.9	223.4	33
57.6	56.1	56.3	196.2	196.1	196.8	57.2	59.2	59.3	181.3	185.0	185.8	129.4	126.5	126.2	34
59.6	59.4	59.5	302.9	306.1	306.0	111.9	117.2	117.1	293.4	302.2	301.6	173.7	166.8	165.5	35
6.1	6.0	6.0	34.6	34.5	34.6	7.8	7.8	7.8	35.9	35.7	35.8	14.1	15.4	15.4	36
13.7	13.7	13.7	83.4	85.0	84.7	62.0	64.5	64.6	75.0	76.9	76.2	51.8	50.8	51.0	37
3.1	3.3	3.4	10.0	10.2	10.1	1.9	1.9	1.9	9.9	10.1	10.3	5.3	5.5	5.5	38
15.1	15.2	15.2	40.3	40.6	40.6	11.3	11.7	11.6	48.9	50.5	50.5	22.3	22.9	22.6	39
4.7	4.7	4.7	26.0	26.4	26.3	8.5	8.6	8.7	26.5	27.0	26.9	9.1	9.5	9.5	40
2.9	3.0	3.0	15.8	16.4	16.2	3.8	3.9	3.9	19.7	20.0	20.2	10.8	11.2	10.9	41
11.7	11.6	11.6	58.2	57.8	58.4	13.1	13.1	13.1	50.6	50.9	50.5	44.0	43.6	43.2	42
11.5	11.4	11.4	47.0	46.7	46.5	12.2	12.3	12.3	45.1	44.8	44.5	33.6	33.7	32.8	43
26.6	26.7	26.6	64.0	64.6	64.4	34.5	34.1	34.2	184.0	185.9	186.2	286.9	287.8	286.4	44
73.1	73.9	73.8	309.8	315.1	315.7	93.1	93.4	93.6	447.6	454.4	454.5	552.3	548.6	543.8	45
227.3	229.6	231.0	972.6	1,011.4	1,003.8	272.0	278.5	278.3	853.4	907.9	905.6	568.3	586.1	572.4	46
3.2	3.3	3.2	23.1	23.1	22.6	4.8	4.8	4.7	21.7	21.9	21.4	13.4	11.7	10.8	47
17.5	17.6	17.7	101.8	99.2	99.3	31.5	31.3	30.9	85.1	85.4	84.6	48.3	44.7	44.3	48
4.3	4.5	4.5	20.0	19.9	19.9	6.5	6.7	6.7	16.2	16.3	16.3	8.5	9.2	9.1	49
1.7	1.7	1.7	14.5	13.8	13.8	3.1	3.2	3.2	14.1	13.8	13.9	26.5	27.0	27.0	50
24.6	24.9	25.2	78.2	78.4	78.6	28.1	28.0	28.1	64.3	65.0	65.1	48.1	49.8	49.7	51
5.3	5.0	5.0	29.5	27.5	27.3	6.6	6.9	6.9	23.5	23.4	23.2	14.2	14.1	14.4	52
4.7	4.6	4.6	22.5	21.7	21.7	4.3	4.2	4.1	26.2	25.5	25.6	19.2	19.2	19.0	53
73.7	70.7	70.8	195.9	190.9	191.0	57.8	56.2	56.1	181.6	178.2	178.2	89.7	92.7	91.8	54
15.0	15.7	15.7	81.7	80.2	79.5	20.6	20.3	20.6	83.6	84.0	83.7	41.6	36.2	36.1	55
4.9	4.8	5.2	24.6	25.6	24.6	4.4	4.6	4.6	21.0	21.5	21.8	23.6	22.5	22.6	56
3.3	3.2	3.2	21.1	21.5	20.6	6.0	5.9	5.8	18.5	18.5	18.4	9.7	10.5	10.3	57
3.0	3.0	3.0	15.6	15.4	15.1	3.5	3.6	3.5	13.9	14.1	14.1	31.9	28.8	31.0	58
32.4	32.9	32.7	157.8	156.2	154.2	41.4	42.7	41.8	134.7	137.0	135.9	66.6	77.4	77.0	59
9.5	9.9	9.8	56.6	55.2	54.6	18.2	17.7	17.5	52.1	51.5	51.4	29.6	30.9	30.7	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. 1981	JULY 1982	AUG. 1982 P	AUG. 1981	JULY 1982	AUG. 1982 P	AUG. 1981	JULY 1982	AUG. 1982 P	AUG. 1981	JULY 1982	AUG. 1982 P
1 GEORGIA.....	2,180.2	2,149.1	2,149.8	7.9	7.3	7.8	103.7	100.2	99.8	523.5	492.1	494.5
2 Albany.....	44.9	43.5	44.0	(1)	(1)	(1)	2.2	2.3	2.4	12.3	11.2	11.8
3 Atlanta.....	982.9	992.8	994.7	(1)	(1)	(1)	45.9	45.3	45.6	143.4	140.2	139.6
4 Augusta.....	121.8	122.3	122.3	(1)	(1)	(1)	5.4	5.4	5.4	35.9	34.0	33.7
5 Columbus.....	82.3	79.2	79.1	(1)	(1)	(1)	4.3	4.9	4.9	21.5	18.9	19.0
6 Macon.....	98.9	97.6	97.6	(1)	(1)	(1)	3.6	3.7	3.6	17.8	17.1	17.4
7 Savannah.....	87.8	86.7	86.3	(1)	(1)	(1)	5.0	4.7	4.7	17.1	16.2	16.1
8 HAWAII.....	405.3	404.7	403.3	-	-	-	22.3	18.9	18.5	24.0	24.9	24.2
9 Honolulu.....	333.4	331.4	329.8	-	-	-	18.5	15.0	14.6	17.8	18.6	17.9
10 IDAHO.....	325.4	312.9	311.8	5.3	2.9	2.9	18.0	17.0	17.0	53.6	49.3	49.3
11 Boise City.....	77.0	75.4	75.5	(1)	(1)	(1)	5.7	5.0	5.1	9.1	9.1	9.1
12 ILLINOIS.....	4,769.2	4,625.6	4,615.9	28.8	28.3	23.5	170.6	172.7	171.5	1,141.1	1,016.7	1,013.0
13 Bloomington—Normal.....	48.7	46.8	47.9	(2)	(2)	(2)	1.9	1.9	1.9	6.5	5.7	5.9
14 Champaign—Urbana—Rantoul.....	70.5	72.0	70.1	(2)	(2)	(2)	1.9	1.4	1.4	7.7	7.4	7.3
15 Chicago—Gary.....	(*)	3,417.6	(*)	(*)	(*)	(*)	4.2	(*)	(*)	782.1	(*)	(*)
16 Chicago SMSA.....	3,241.0	3,173.6	3,172.1	3.9	4.1	4.0	95.4	107.3	105.0	770.4	702.2	701.3
17 Davenport—Rock Island—Moline.....	163.2	154.4	153.3	(2)	(2)	(2)	7.9	7.7	7.7	49.8	43.3	42.2
18 Decatur.....	56.3	52.8	50.2	(2)	(2)	(2)	2.5	2.3	2.3	20.7	18.0	15.4
19 Kankakee.....	33.5	32.9	32.7	(2)	(2)	(2)	1.9	1.7	1.6	8.8	8.0	7.8
20 Peoria.....	149.1	138.0	136.8	(2)	(2)	(2)	7.4	7.7	7.6	48.7	37.9	37.3
21 Rockford.....	117.1	105.6	106.1	(2)	(2)	(2)	3.7	3.8	3.8	49.9	39.5	39.6
22 Springfield.....	91.5	88.2	92.7	(2)	(2)	(2)	4.4	4.3	4.4	6.6	6.2	6.2
23 INDIANA.....	2,115.7	2,006.2	2,005.3	9.8	9.1	9.0	95.5	86.3	85.9	664.1	591.0	588.5
24 Anderson.....	44.9	42.8	41.8	(1)	(1)	(1)	1.2	1.1	1.1	19.4	17.5	16.8
25 Elkhart.....	68.6	65.8	65.6	-	-	-	2.3	2.0	2.0	35.1	33.4	33.2
26 Evansville.....	128.3	124.6	123.8	2.8	2.4	2.4	7.4	6.7	6.9	36.4	33.8	32.9
27 Fort Wayne.....	174.2	162.1	162.6	(1)	(1)	(1)	8.6	7.4	7.5	55.1	47.8	48.1
28 Gary—Hammond—East Chicago.....	251.6	236.7	236.6	(1)	(1)	(1)	15.1	13.9	13.8	91.5	77.5	77.5
29 Indianapolis.....	532.3	516.4	515.7	(1)	(1)	(1)	24.1	22.6	22.6	122.2	112.0	110.3
30 Lafayette—West Lafayette.....	53.6	52.9	52.3	(1)	(1)	(1)	3.1	2.6	2.5	11.4	10.5	10.4
31 Muncie.....	46.5	44.0	43.9	(1)	(1)	(1)	1.5	1.2	1.2	12.4	10.6	10.6
32 South Bend.....	104.7	100.6	101.7	(1)	(1)	(1)	4.4	3.8	3.8	30.7	27.6	29.3
33 Terre Haute.....	59.4	55.8	54.5	1.4	1.4	1.3	3.5	2.5	2.5	14.8	13.9	13.2
34 IOWA.....	1,076.2	1,029.6	1,026.4	2.1	2.0	2.0	50.7	44.6	44.9	232.8	205.6	201.7
35 Cedar Rapids.....	80.4	74.7	74.3	(1)	(1)	(1)	3.5	3.1	3.1	25.7	22.2	21.9
36 Des Moines.....	173.5	169.2	166.4	(1)	(1)	(1)	7.0	5.5	5.7	22.7	20.5	18.3
37 Dubuque.....	41.8	37.8	37.3	(1)	(1)	(1)	1.4	1.2	1.2	14.8	10.7	10.4
38 Sioux City.....	48.4	45.3	45.4	(1)	(1)	(1)	2.3	1.6	1.6	9.0	6.4	6.6
39 Waterloo—Cedar Falls.....	63.2	59.3	58.8	(1)	(1)	(1)	2.2	2.2	2.3	22.5	19.0	18.6
40 KANSAS.....	939.9	912.4	910.2	20.0	18.0	18.0	44.3	39.1	38.8	188.6	166.8	164.4
41 Lawrence.....	26.8	25.3	26.1	(2)	(2)	(2)	1.0	.8	.9	4.6	4.3	4.4
42 Topeka.....	85.2	83.1	82.9	-2	-2	-2	3.5	3.0	3.1	9.9	9.2	9.1
43 Wichita.....	206.7	193.5	189.1	3.7	3.7	3.6	10.4	9.2	9.2	63.8	52.1	48.7
44 KENTUCKY.....	1,190.1	1,127.1	1,128.1	53.9	52.4	51.9	54.4	45.7	47.2	273.6	246.4	244.2
45 Lexington—Fayette.....	142.7	139.8	139.0	(1)	(1)	(1)	6.3	4.8	4.7	29.7	26.9	26.7
46 Louisville.....	382.7	368.8	367.5	(1)	(1)	(1)	18.7	17.1	17.1	94.3	83.2	82.5
47 Owensboro.....	31.8	27.8	27.8	1.2	.9	.8	1.3	1.3	1.3	6.9	5.7	5.7
48 LOUISIANA.....	1,636.7	1,613.0	1,608.6	100.2	99.1	98.3	145.4	134.2	133.1	223.2	198.3	197.2
49 Alexandria.....	53.5	53.4	53.8	(1)	(1)	(1)	4.2	4.0	4.1	5.3	5.3	5.4
50 Baton Rouge.....	204.8	200.7	200.9	1.3	1.3	1.4	26.0	19.5	18.9	26.6	25.2	24.8
51 Lafayette.....	91.0	97.6	97.3	18.8	19.8	20.0	5.8	6.0	6.1	4.9	5.3	5.4
52 Lake Charles.....	71.3	64.8	64.0	2.5	2.3	2.3	10.8	6.2	5.9	13.7	10.9	10.8
53 Monroe.....	49.4	48.5	48.3	.7	.7	.6	3.6	3.3	3.4	7.7	6.5	6.6
54 New Orleans.....	520.4	512.2	509.3	20.9	22.0	21.9	30.9	30.5	30.3	53.6	47.7	47.5
55 Shreveport.....	152.2	147.4	147.2	8.1	5.7	5.8	9.3	8.7	8.3	28.8	26.4	25.7
56 MAINE.....	432.6	413.6	422.1	(1)	(1)	(1)	19.3	18.7	19.4	117.4	100.9	109.9
57 Lewiston—Auburn.....	35.2	32.1	34.1	(1)	(1)	(1)	1.4	1.3	1.3	12.0	9.2	10.8
58 Portland.....	93.5	95.0	95.9	(1)	(1)	(1)	3.9	4.2	4.1	18.0	16.3	17.3
59 MARYLAND.....	1,697.4	1,684.9	1,662.3	(1)	(1)	(1)	99.4	84.9	83.3	229.6	209.8	206.1
60 Baltimore SMSA.....	943.8	942.5	924.6	(1)	(1)	(1)	47.0	37.9	37.0	154.5	137.6	135.4
61 Baltimore City.....	445.2	437.3	430.8	(1)	(1)	(1)	17.7	14.3	14.1	63.1	56.3	56.9

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. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	
145.4	142.7	141.9	502.5	496.6	496.7	114.6	115.8	116.7	351.7	358.0	358.2	420.7	424.8	424.2	1
2.3	2.2	2.2	9.4	9.4	9.4	2.0	2.1	2.1	6.4	6.1	6.0	10.4	10.3	10.1	2
90.3	90.5	90.2	269.4	273.0	274.3	67.9	69.1	69.3	209.6	218.5	219.2	156.4	156.3	156.6	3
4.4	4.5	4.5	22.6	23.4	23.9	4.5	4.8	4.8	17.9	18.4	18.3	31.1	32.0	31.7	4
3.4	3.2	3.2	15.8	15.7	15.6	5.4	5.5	5.5	11.8	11.4	11.5	19.0	19.5	19.4	5
4.5	4.4	4.5	20.3	20.6	20.5	6.3	6.1	6.1	17.3	16.9	17.0	29.0	28.6	28.6	6
8.8	8.1	7.7	21.9	21.7	21.6	4.2	4.2	4.2	16.1	16.3	16.6	14.6	15.4	15.3	7
31.4	30.2	30.4	105.2	106.2	105.6	32.2	32.2	32.2	100.7	101.7	101.3	90.0	90.6	91.1	8
26.3	25.3	25.3	86.9	87.8	87.2	27.6	27.8	27.8	80.7	80.5	80.4	75.6	76.4	76.6	9
19.8	19.6	19.6	79.5	78.8	78.0	23.3	23.1	23.0	60.5	58.4	58.9	65.4	63.8	63.1	10
5.0	4.8	4.8	19.4	19.4	19.4	8.2	7.5	7.5	14.3	14.1	14.2	15.3	15.4	15.1	11
283.2	270.7	270.6	1,092.0	1,071.2	1,073.1	321.3	321.9	321.1	968.2	977.4	978.3	764.0	767.2	759.8	12
3.1	3.1	3.1	12.3	11.8	11.9	7.6	7.9	7.9	8.2	8.5	8.5	9.1	7.9	8.7	13
2.7	2.5	2.5	19.2	19.0	19.0	2.5	2.4	2.4	11.7	12.0	11.6	24.8	27.3	25.9	14
(*)	203.6	(*)	(*)	800.5	(*)	(*)	254.1	(*)	(*)	750.1	(*)	(*)	501.3	(*)	15
197.6	189.6	189.4	756.6	748.8	750.0	248.0	244.8	244.2	708.1	711.3	712.2	461.0	465.5	465.0	16
7.0	6.7	6.6	40.7	39.2	39.3	7.2	7.2	7.2	24.3	23.9	23.8	26.3	26.4	26.5	17
5.2	5.1	5.1	11.5	11.3	11.3	2.7	2.7	2.7	8.7	8.7	8.7	5.0	4.7	4.7	18
1.4	1.4	1.4	6.9	6.8	6.9	1.1	1.1	1.1	6.4	6.3	6.4	7.0	7.6	7.5	19
7.9	7.8	7.8	34.7	33.8	33.9	7.1	7.0	7.0	26.5	26.1	25.8	16.8	17.7	17.4	20
4.4	4.2	4.5	24.8	23.5	23.6	4.2	4.2	4.2	18.6	18.7	18.7	11.5	11.7	11.7	21
4.7	4.6	4.5	21.0	18.8	20.7	6.6	6.7	6.7	19.8	18.5	20.4	28.4	29.1	29.8	22
104.7	99.7	99.5	469.8	459.4	461.6	102.5	100.8	100.8	342.8	346.1	347.4	326.6	313.9	312.7	23
1.2	1.2	1.2	9.4	9.0	9.0	1.6	1.6	1.6	7.1	7.2	7.2	5.0	5.2	4.9	24
2.2	2.1	2.1	13.1	12.8	12.8	2.2	2.1	2.1	8.9	8.9	8.9	4.8	4.5	4.5	25
7.1	7.0	7.0	31.3	31.4	31.5	4.7	4.7	4.7	26.1	25.9	25.9	12.5	12.7	12.5	26
11.0	10.5	10.4	42.5	40.8	40.8	10.6	10.5	10.5	29.0	28.6	28.6	17.4	16.5	16.7	27
14.9	13.9	13.9	51.7	51.2	51.1	9.2	9.0	9.0	37.4	37.9	38.0	31.8	33.3	33.3	28
31.4	30.1	30.0	133.3	130.9	131.4	39.1	38.5	38.5	97.7	99.2	99.3	84.5	83.1	83.6	29
1.4	1.4	1.4	10.8	10.8	11.0	2.6	2.5	2.5	9.3	9.4	9.4	15.0	15.7	15.1	30
2.0	2.0	2.0	12.4	12.1	12.1	1.5	1.4	1.4	8.4	8.4	8.4	8.3	8.3	8.2	31
4.6	4.4	4.3	25.4	24.6	24.7	5.3	5.2	5.2	22.6	22.8	22.8	11.7	12.2	11.8	32
3.4	3.2	3.1	15.2	13.5	13.5	2.1	1.9	1.8	9.1	8.9	8.9	9.9	10.5	10.2	33
54.1	51.2	50.8	275.2	266.7	267.4	60.0	63.3	60.1	206.4	204.7	206.9	194.9	194.6	192.6	34
3.7	3.7	3.7	18.9	17.8	17.8	4.3	4.2	4.2	15.5	15.6	15.5	8.8	8.2	8.0	35
11.1	11.1	11.2	45.5	44.3	44.1	22.3	23.1	22.9	39.2	39.1	39.1	25.8	25.6	25.2	36
1.6	1.6	1.5	9.2	8.8	8.8	1.3	1.3	1.3	10.3	10.8	10.9	3.3	3.3	3.2	37
3.9	3.8	3.8	12.9	12.8	12.8	2.8	2.7	2.7	12.1	12.4	12.5	5.4	5.6	5.5	38
2.4	2.3	2.3	13.6	13.2	13.2	2.1	2.0	2.0	11.1	10.9	10.9	9.4	9.6	9.4	39
63.4	62.0	62.6	228.3	226.0	225.6	48.3	43.4	48.3	175.9	180.1	180.1	171.1	172.0	172.4	40
1.5	1.4	1.4	5.2	5.3	5.3	.8	.9	.8	4.1	4.0	4.1	9.6	8.6	9.2	41
8.4	8.1	8.1	18.5	18.2	18.0	6.1	5.9	5.9	17.7	17.6	17.8	20.9	20.9	20.7	42
10.3	10.8	10.8	47.2	45.2	45.0	9.8	9.9	9.9	40.3	40.7	40.5	21.2	21.9	21.4	43
67.8	65.2	65.8	257.7	248.5	247.5	52.0	51.7	51.8	213.6	213.1	213.6	217.1	204.1	206.1	44
7.6	7.5	7.5	31.5	31.8	31.7	7.0	6.7	6.8	28.3	30.1	29.9	32.3	32.0	31.7	45
23.4	22.5	22.3	86.8	86.8	86.8	24.6	24.2	24.1	77.6	78.4	79.4	57.4	56.6	55.3	46
2.4	2.3	2.3	7.2	6.3	6.3	1.3	1.3	1.3	6.3	5.5	5.5	4.6	4.5	4.6	47
134.0	131.8	131.2	372.0	369.4	370.2	75.2	76.6	76.5	290.8	296.5	297.0	295.9	307.1	305.1	48
2.4	2.4	2.4	11.6	11.9	11.9	3.0	3.0	3.0	11.2	11.2	11.4	15.8	15.6	15.6	49
10.9	11.2	11.4	46.5	46.6	47.2	12.3	12.7	12.7	36.0	37.2	37.5	45.2	47.0	47.0	50
6.9	7.8	7.9	23.6	25.3	25.6	3.3	3.5	3.5	18.3	19.4	19.4	9.4	10.5	9.4	51
4.4	5.0	4.9	15.2	15.3	15.4	2.9	3.0	3.0	10.6	11.1	10.7	11.2	11.0	11.0	52
2.7	2.6	2.5	13.2	12.4	12.4	3.9	3.9	3.9	8.8	9.0	9.1	8.8	10.1	9.8	53
56.2	55.0	54.1	131.1	128.6	128.7	31.5	31.1	31.0	114.6	113.3	112.5	81.5	84.0	83.3	54
9.3	9.3	9.3	35.4	33.9	34.3	7.3	7.1	7.2	30.1	31.6	32.1	23.9	24.7	24.5	55
19.5	19.0	19.2	94.4	92.8	93.0	17.5	18.1	18.2	87.3	86.5	86.4	77.2	77.6	77.0	56
1.2	1.2	1.2	8.1	8.2	8.3	1.8	1.7	1.7	7.7	7.7	8.0	3.0	2.8	2.8	57
5.9	6.1	6.2	26.1	26.5	26.6	7.6	8.3	8.4	21.0	22.4	22.3	11.0	11.2	11.0	58
85.2	82.8	82.3	405.3	411.7	413.5	95.2	96.2	96.2	383.3	388.3	388.1	399.4	411.2	392.8	59
57.0	54.4	53.8	219.7	228.7	230.0	58.6	59.5	59.2	200.7	203.1	203.2	206.3	221.3	206.0	60
39.0	38.0	37.5	95.8	96.6	96.6	39.2	39.7	39.7	104.8	105.9	105.5	85.6	86.5	80.5	61

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. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P
1 MASSACHUSETTS	2,654.0	2,592.8	2,603.2	(1)	(1)	(1)	86.9	85.3	86.1	667.0	613.1	625.5
2 Boston	1,462.3	1,453.7	1,458.1	(1)	(1)	(1)	47.5	46.3	47.0	291.4	284.3	285.2
3 Brockton	56.3	55.1	55.5	(1)	(1)	(1)	1.5	1.6	1.6	12.4	11.4	11.7
4 Fall River	53.7	49.6	52.6	(1)	(1)	(1)	1.5	1.3	1.3	20.0	15.4	18.9
5 Lawrence—Haverhill	116.6	110.5	111.4	(1)	(1)	(1)	3.1	3.0	3.0	47.3	41.6	42.3
6 Lowell	77.2	78.0	78.3	(1)	(1)	(1)	3.1	3.0	3.1	29.0	29.8	29.9
7 New Bedford	64.8	62.2	62.8	(1)	(1)	(1)	1.7	1.6	1.6	26.4	24.1	24.5
8 Springfield—Chicopee—Holyoke	231.5	224.6	224.9	(1)	(1)	(1)	6.6	6.3	6.3	63.7	58.0	59.2
9 Worcester	162.5	159.0	159.3	(1)	(1)	(1)	5.4	5.3	5.6	47.8	42.6	43.0
10 MICHIGAN	3,331.9	3,197.0	3,190.6	13.0	9.3	9.1	109.9	94.4	97.6	955.4	876.8	864.9
11 Ann Arbor	131.5	129.0	128.0	(1)	(1)	(1)	2.3	1.8	1.9	38.9	36.3	35.5
12 Battle Creek	62.3	59.3	60.4	(1)	(1)	(1)	1.6	1.7	1.8	20.4	16.4	17.6
13 Bay City	34.2	34.2	33.9	(1)	(1)	(1)	1.1	1.0	1.1	9.0	8.5	8.2
14 Benton Harbor	59.9	57.7	56.6	(1)	(1)	(1)	1.9	1.7	1.5	21.6	19.9	19.1
15 Detroit	1,614.5	1,545.5	1,541.2	1.2	1.0	1.0	48.8	44.6	47.3	455.3	412.6	404.7
16 Flint	184.9	180.8	176.2	(1)	(1)	(1)	6.5	4.3	4.6	68.6	63.9	61.8
17 Grand Rapids	267.4	262.6	264.5	(1)	(1)	(1)	12.1	11.0	11.2	89.7	85.4	88.2
18 Jackson	50.7	47.2	46.8	(1)	(1)	(1)	1.4	1.0	1.0	14.2	12.4	12.1
19 Kalamazoo—Portage	107.5	105.5	105.7	(1)	(1)	(1)	4.5	4.0	4.1	32.2	30.6	30.5
20 Lansing—East Lansing	185.4	180.6	181.2	(1)	(1)	(1)	5.9	3.4	3.7	38.1	36.7	36.1
21 Muskegon—Norton Shores—Muskegon Hts.	60.4	58.1	57.8	(1)	(1)	(1)	2.2	2.0	2.0	20.2	18.7	18.4
22 Saginaw	83.1	80.4	80.5	(1)	(1)	(1)	2.5	2.4	2.4	29.2	25.4	25.4
23 MINNESOTA	1,769.3	1,706.3	1,709.3	16.8	7.1	5.7	77.8	71.2	72.3	372.3	349.3	353.5
24 Duluth—Superior	59.9	54.1	55.0	(1)	(1)	(1)	2.2	1.7	1.7	7.3	5.5	5.6
25 Minneapolis—St. Paul	1,084.6	1,058.4	1,057.5	(1)	(1)	(1)	43.1	37.9	38.2	245.8	232.7	234.4
26 Rochester	52.0	51.7	51.8	(2)	(2)	(2)	1.8	2.4	2.3	11.0	10.5	10.4
27 St. Cloud	53.0	51.6	51.8	(1)	(1)	(1)	3.8	3.4	3.6	12.3	11.4	11.2
28 MISSISSIPPI	813.0	789.6	782.7	13.1	12.8	12.7	43.8	39.5	40.0	223.5	206.5	205.8
29 Jackson	145.8	142.9	143.1	2.1	2.1	2.1	6.4	5.7	5.7	19.0	16.9	17.2
30 MISSOURI	1,976.3	1,953.0	1,955.9	6.8	7.3	7.2	95.9	97.0	98.1	428.3	407.0	409.0
31 Kansas City	622.9	599.3	594.2	.5	.4	.4	23.8	21.4	21.4	116.1	111.7	107.5
32 St. Joseph	35.3	34.7	34.5	(2)	(2)	(2)	2.1	1.8	1.7	8.3	8.3	8.2
33 St. Louis	990.0	975.8	973.8	3.5	3.2	3.3	45.6	46.6	47.1	231.2	219.1	219.1
34 Springfield	86.5	84.4	85.1	(2)	(2)	(2)	3.8	3.7	3.6	18.6	17.0	17.3
35 MONTANA	290.2	278.6	278.3	12.3	10.2	10.0	15.6	14.5	14.2	24.5	21.7	21.5
36 Billings	48.6	48.6	48.8	(1)	(1)	(1)	2.5	2.5	2.7	4.2	4.0	4.0
37 Great Falls	29.7	29.9	29.9	(1)	(1)	(1)	1.7	1.9	1.9	1.4	1.3	1.3
38 NEBRASKA	623.6	608.2	604.4	1.8	1.7	1.5	27.7	25.9	25.4	95.5	83.8	82.5
39 Lincoln	98.5	94.6	95.1	(2)	(2)	(2)	3.6	3.1	3.0	13.3	12.1	11.8
40 Omaha	263.5	258.6	256.1	(2)	(2)	(2)	10.4	9.9	9.7	36.1	32.9	32.9
41 NEVADA	423.9	415.8	417.2	8.1	7.2	7.2	26.8	23.9	24.0	20.9	19.9	19.9
42 Las Vegas	233.7	229.4	229.9	.6	.5	.5	15.6	14.1	14.1	7.6	7.2	7.2
43 Reno	117.3	117.2	117.1	.8	.8	.8	6.4	6.0	6.1	8.7	8.1	8.0
44 NEW HAMPSHIRE	405.0	397.4	400.3	(2)	(2)	(2)	22.7	24.8	24.6	118.2	109.5	112.4
45 Manchester	74.9	74.3	75.6	(2)	(2)	(2)	3.4	3.2	3.3	17.3	16.4	17.3
46 Nashua	67.9	67.6	67.6	(2)	(2)	(2)	2.9	2.9	3.0	31.6	30.3	30.0
47 NEW JERSEY	3,127.1	3,097.8	3,098.4	2.5	2.4	2.5	119.4	118.8	119.0	775.5	715.2	722.3
48 Atlantic City	106.4	108.7	108.7	-	-	-	5.7	5.9	6.2	8.3	6.9	7.0
49 Camden	345.1	344.0	343.7	.1	.1	.1	14.4	13.7	13.9	71.4	65.3	65.3
50 Hackensack	395.9	389.6	386.4	(1)	(1)	(1)	16.2	15.3	15.0	109.4	104.0	103.6
51 Jersey City	226.5	219.7	220.6	-	-	-	5.4	6.0	5.9	68.3	61.6	62.0
52 Long Branch—Asbury Park	173.8	176.5	176.0	(1)	(1)	(1)	7.8	7.0	6.9	25.6	24.1	24.1
53 New Bruns.—Perth Amboy—Sayreville	291.2	287.2	287.5	(1)	(1)	(1)	11.6	11.2	11.3	92.0	83.6	83.5
54 Newark	943.6	938.6	940.6	.9	.8	.8	34.3	33.5	33.2	240.7	226.6	229.9
55 Paterson—Clifton—Passaic	192.3	185.8	184.6	(1)	(1)	(1)	7.3	6.5	6.3	67.8	63.9	64.1
56 Trenton	161.9	157.1	156.0	(1)	(1)	(1)	3.6	3.9	3.9	34.2	29.3	28.9
57 Vineland—Millville—Bridgeport	55.4	50.5	52.1	(1)	(1)	(1)	2.2	1.8	1.9	19.1	15.0	16.5
58 NEW MEXICO	477.9	472.0	474.8	32.3	27.2	27.0	34.1	32.3	32.4	34.7	32.7	33.2
59 Albuquerque	190.0	189.2	190.6	(1)	(1)	(1)	12.5	12.1	12.3	17.9	16.8	16.9
60 Las Cruces	28.5	29.9	30.2	-	-	-	1.8	1.7	1.7	2.7	2.6	2.9

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. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	
118.5	115.6	116.3	578.3	580.5	579.2	168.3	172.1	172.1	667.2	669.0	672.2	367.8	357.2	351.8	1
70.0	68.6	69.0	314.2	317.4	317.9	114.1	118.1	118.1	432.1	439.5	442.0	193.0	179.5	178.9	2
3.2	3.4	3.3	15.3	15.2	15.1	2.3	2.3	2.3	10.3	10.5	10.8	11.7	10.7	10.7	3
1.8	1.9	1.9	11.8	11.6	11.8	2.8	2.9	3.0	9.4	9.5	9.9	6.4	6.0	5.8	4
4.8	4.7	4.9	22.2	22.3	22.5	4.4	4.5	4.5	19.0	19.5	19.5	15.8	14.9	14.7	5
3.2	3.0	3.0	16.3	16.4	16.5	2.2	2.3	2.3	12.3	13.2	13.3	11.1	10.3	10.2	6
2.3	2.2	2.2	12.8	12.8	12.9	2.1	2.0	2.0	10.7	11.0	11.1	8.8	8.5	8.5	7
9.0	8.7	8.7	47.6	47.6	47.9	14.0	13.8	13.8	47.8	49.1	49.1	42.8	41.1	39.9	8
7.4	7.4	7.5	35.5	35.6	35.9	10.6	11.2	11.0	33.5	34.8	34.7	22.3	22.1	21.6	9
145.1	138.0	137.6	716.1	681.2	687.1	154.6	153.3	152.9	662.6	665.1	667.5	575.3	578.9	574.0	10
3.4	3.4	3.4	19.8	19.1	19.1	4.0	3.8	3.8	24.1	24.8	24.8	39.1	39.8	39.5	11
2.3	2.2	2.2	10.7	10.6	10.6	4.3	4.3	4.2	11.7	12.1	12.0	11.7	12.1	12.0	12
1.7	1.7	1.7	8.8	9.0	9.1	1.4	1.4	1.3	7.2	7.6	7.5	5.1	5.0	5.0	13
2.2	2.1	2.1	11.7	11.5	11.6	2.0	1.9	1.9	12.6	12.3	12.1	7.8	8.3	8.3	14
77.6	72.6	72.0	358.8	346.5	345.3	88.5	88.9	89.3	352.1	347.7	349.0	232.3	231.6	232.6	15
5.8	6.3	6.1	40.3	38.9	39.1	6.5	6.4	5.3	29.3	29.2	29.4	27.7	31.9	28.9	16
11.2	11.0	11.0	64.0	64.6	64.6	11.0	10.9	10.9	50.4	49.9	50.2	29.1	30.0	28.5	17
5.1	5.1	5.1	10.4	9.7	9.6	1.6	1.6	1.6	9.7	9.7	9.6	8.3	7.6	7.6	18
4.3	4.3	4.2	22.4	22.4	22.5	4.1	4.0	4.0	22.5	22.4	22.3	17.4	17.8	18.1	19
5.5	5.6	5.6	34.7	34.8	35.8	9.4	9.1	9.1	30.5	30.7	32.2	61.3	60.3	58.7	20
3.2	3.1	3.1	12.2	11.9	11.9	1.4	1.4	1.4	11.2	10.8	10.9	10.2	10.2	10.1	21
4.9	4.8	4.8	18.1	18.7	18.8	4.1	3.9	3.9	14.2	15.3	15.1	10.3	9.9	10.0	22
97.7	91.9	91.4	448.1	431.6	434.7	98.3	98.7	98.5	384.7	393.0	394.5	273.6	263.7	258.6	23
6.6	5.5	5.2	15.3	14.9	15.1	2.3	2.2	2.2	14.3	13.5	14.0	11.9	10.8	11.4	24
61.8	58.9	58.6	270.2	262.6	262.7	73.6	73.1	73.0	244.7	249.9	251.0	145.3	143.3	139.6	25
2.0	1.9	1.9	10.1	10.1	10.2	1.5	1.5	1.6	19.9	20.5	20.6	5.8	4.7	4.8	26
3.3	3.1	3.1	13.6	13.0	13.2	2.0	1.9	1.9	9.8	10.1	10.2	8.3	8.6	8.6	27
40.6	40.4	40.2	164.9	163.1	163.2	33.4	33.1	33.0	118.4	120.6	117.6	175.3	173.5	170.3	28
10.1	10.1	10.1	34.9	34.7	34.7	11.3	11.1	11.1	29.3	29.4	29.4	32.8	32.8	32.8	29
137.8	133.7	134.2	473.7	466.4	467.6	110.7	110.3	110.1	412.6	421.1	422.3	310.5	310.2	307.4	30
52.6	48.8	48.9	160.8	152.7	152.6	45.0	44.7	44.4	135.1	133.8	133.8	89.0	86.0	85.2	31
2.2	2.1	2.1	8.6	8.6	8.5	1.9	2.0	2.0	6.8	6.5	6.4	5.4	5.5	5.6	32
72.2	69.7	69.6	228.6	225.8	225.8	58.4	57.5	57.4	224.8	226.9	226.4	125.7	127.0	125.1	33
7.0	7.2	7.2	24.3	23.5	23.6	3.6	3.5	3.5	19.5	19.0	19.5	9.7	10.5	10.4	34
23.1	22.8	22.8	75.6	75.7	77.1	13.2	12.8	12.7	57.6	58.1	58.0	68.2	62.8	62.1	35
4.7	4.5	4.5	16.1	16.5	16.6	2.4	2.5	2.5	11.5	11.5	11.5	7.3	7.1	7.1	36
2.0	2.1	2.1	9.9	10.3	10.4	2.1	2.1	2.1	7.1	7.3	7.4	5.5	4.8	4.8	37
47.9	43.8	43.4	163.6	160.7	160.0	41.4	41.8	41.7	121.4	123.3	122.7	124.4	127.1	127.1	38
7.4	7.0	6.9	22.4	21.8	22.0	7.0	7.0	7.0	16.9	16.7	16.7	27.9	26.8	27.8	39
24.7	23.1	23.0	67.4	65.9	65.2	23.9	24.2	24.2	61.4	61.3	60.3	39.5	41.2	40.8	40
25.4	25.4	25.4	86.7	86.4	86.6	18.7	18.1	18.0	183.8	181.3	181.6	53.5	54.6	54.5	41
14.0	14.0	14.0	49.0	48.7	48.8	10.7	10.4	10.4	111.6	109.1	109.6	24.6	25.4	25.3	42
8.1	8.0	8.0	26.3	26.5	26.5	6.2	5.9	5.8	46.3	46.6	46.7	15.0	15.3	15.2	43
14.3	14.1	14.2	92.9	92.2	92.1	20.9	20.9	20.9	83.1	83.6	84.1	52.9	52.3	52.0	44
4.8	4.7	4.8	19.8	19.9	20.0	6.3	6.4	6.4	15.3	15.7	15.8	8.0	8.0	8.0	45
2.0	2.1	2.1	13.7	14.4	14.5	2.0	2.1	2.1	10.5	10.8	10.9	5.2	5.0	5.0	46
190.5	188.9	189.9	701.4	704.2	702.1	154.7	166.6	166.0	657.5	675.5	674.5	515.6	526.2	522.1	47
4.0	3.9	3.9	22.8	21.8	21.8	5.0	4.8	4.7	44.2	49.1	48.9	16.4	16.3	16.2	48
15.3	15.3	15.3	88.3	89.1	89.4	17.6	17.8	17.7	72.8	76.0	75.8	65.2	66.7	66.2	49
20.2	20.1	20.1	114.2	111.2	110.5	17.9	18.5	18.4	78.0	81.0	81.1	39.9	39.5	37.7	50
25.1	23.6	24.1	44.4	44.3	44.1	8.6	8.7	8.6	31.3	31.7	31.8	43.4	43.8	44.1	51
6.4	7.1	6.7	44.0	45.8	45.8	8.1	8.1	8.1	46.4	47.7	47.9	35.5	36.7	36.5	52
23.5	23.9	24.2	66.0	65.7	66.5	11.9	11.9	11.8	44.2	46.5	46.7	42.0	44.4	43.5	53
73.8	75.0	75.3	178.8	178.7	178.4	66.1	66.9	67.0	202.9	209.2	208.6	146.1	147.9	147.4	54
6.6	6.1	5.9	40.3	38.6	38.4	9.1	9.1	9.1	34.7	35.0	34.5	26.8	26.6	26.3	55
5.2	5.1	5.1	23.8	23.5	23.3	8.6	8.8	8.9	41.1	40.5	40.3	45.5	46.0	45.6	56
3.2	2.8	2.8	9.0	8.7	8.8	2.5	2.6	2.6	8.7	9.7	8.8	10.7	10.9	10.7	57
28.6	28.1	28.6	108.6	110.8	111.8	21.9	22.4	22.4	96.9	98.7	98.8	120.8	119.8	120.6	58
11.8	11.3	11.5	48.5	49.3	49.6	11.1	11.0	11.1	46.0	47.8	47.9	42.2	40.9	41.3	59
1.1	1.2	1.2	5.5	5.8	5.8	1.3	1.3	1.3	4.0	4.0	4.1	12.1	13.3	13.2	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. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P
1	NEW YORK	7,331.2	7,272.5	7,264.4	6.8	6.4	6.5	229.9	218.3	221.0	1,442.2	1,369.3	1,371.2
2	Albany—Schenectady—Troy.....	341.2	333.6	334.7	(1)	(1)	(1)	10.3	10.0	10.0	55.9	51.7	50.1
3	Binghamton.....	117.2	116.8	116.8	(1)	(1)	(1)	4.3	4.0	4.1	43.6	42.8	42.8
4	Buffalo.....	496.1	473.4	470.8	(1)	(1)	(1)	17.9	15.9	16.1	127.6	114.4	111.5
5	Elmira.....	36.7	34.3	34.2	(1)	(1)	(1)	1.2	1.1	1.2	11.6	8.8	8.9
6	Monroe County.....	342.1	343.3	342.2	(1)	(1)	(1)	10.7	9.7	10.5	141.0	141.4	140.5
7	Nassau—Suffolk.....	925.3	937.6	932.5	(1)	(1)	(1)	37.7	35.8	36.3	168.2	164.6	165.5
8	New York—Northeastern New Jersey.....	6,743.7	6,788.7	(*)	2.9	2.1	(*)	208.1	209.4	(*)	1,310.2	1,258.3	(*)
9	New York and Nassau—Suffolk.....	4,753.3	4,756.1	4,749.2	2.0	1.8	1.8	142.9	138.1	138.7	743.2	714.9	719.2
10	New York SMSA.....	3,827.9	3,819.5	3,816.7	1.7	1.5	1.6	105.2	102.2	102.4	575.0	550.3	553.7
11	New York City.....	3,372.5	3,361.1	3,365.0	1.5	1.3	1.4	84.8	81.8	81.8	483.0	460.6	468.2
12	Poughkeepsie.....	100.4	102.9	103.5	(1)	(1)	(1)	2.9	2.8	2.9	33.3	34.6	34.6
13	Rochester.....	419.5	419.6	418.8	(1)	(1)	(1)	12.9	11.8	12.5	162.8	161.0	160.6
14	Rockland County.....	83.4	83.4	83.4	(1)	(1)	(1)	2.8	3.0	3.1	15.5	15.4	15.4
15	Syracuse.....	256.3	252.8	252.0	(1)	(1)	(1)	10.6	10.1	10.4	59.9	55.9	55.4
16	Utica—Rome.....	114.2	112.6	112.9	(1)	(1)	(1)	2.9	2.7	2.9	29.6	27.2	27.5
17	Westchester County.....	359.3	360.9	355.3	(1)	(1)	(1)	16.8	16.6	16.7	75.2	73.1	68.8
18	NORTH CAROLINA	2,355.1	2,286.1	2,296.8	4.9	4.7	4.6	118.4	106.5	106.2	823.3	762.4	770.9
19	Asheville.....	73.6	71.9	71.7	(1)	(1)	(1)	3.2	2.8	2.9	22.0	20.8	20.6
20	Charlotte—Gastonia.....	337.5	327.7	328.1	(1)	(1)	(1)	19.1	17.7	17.8	95.5	89.9	91.5
21	Greensboro—Winston-Salem—High Pt.....	386.2	374.1	373.4	(1)	(1)	(1)	17.6	15.9	15.7	149.7	141.4	139.9
22	Raleigh—Durham.....	268.3	266.5	268.0	(1)	(1)	(1)	14.3	13.0	13.0	46.0	44.1	44.7
23	NORTH DAKOTA	250.8	251.5	251.4	11.7	9.5	9.6	17.4	18.8	13.1	15.6	15.0	14.7
24	Fargo—Moorhead.....	60.4	60.0	60.1	(2)	(2)	(2)	3.6	3.5	3.5	4.9	4.6	4.7
25	OHIO	4,315.1	4,194.7	4,181.4	32.4	32.8	32.0	167.2	152.4	154.1	1,236.9	1,118.8	1,108.5
26	Akron.....	257.3	251.0	251.3	(*)	(*)	(*)	8.6	7.9	8.0	75.5	69.4	69.2
27	Canton.....	158.7	155.0	153.7	(*)	(*)	(*)	5.8	5.8	5.4	56.4	51.7	50.6
28	Cincinnati.....	589.2	581.7	581.6	(*)	(*)	(*)	23.7	21.5	22.2	158.3	149.3	149.9
29	Cleveland.....	884.3	861.6	857.6	(*)	(*)	(*)	29.3	27.5	27.3	247.8	228.9	226.5
30	Columbus.....	504.6	501.6	502.8	(*)	(*)	(*)	19.5	17.7	18.1	92.7	88.3	88.1
31	Dayton.....	348.7	342.7	341.4	(*)	(*)	(*)	12.7	11.5	11.5	97.1	90.6	88.9
32	Toledo.....	287.6	282.2	281.6	(*)	(*)	(*)	12.6	9.7	9.9	74.9	67.2	69.2
33	Youngstown—Warren.....	197.5	187.5	183.7	(*)	(*)	(*)	7.0	6.2	6.3	66.7	56.8	52.8
34	OKLAHOMA	1,195.1	1,202.6	1,201.0	100.2	98.1	96.5	56.2	58.7	59.3	201.8	180.8	178.4
35	Enid.....	26.8	25.8	25.9	3.2	2.8	2.8	1.5	1.3	1.3	3.1	2.4	2.4
36	Lawton.....	28.7	30.0	28.8	(1)	(1)	(1)	1.4	1.4	1.4	3.2	3.1	3.1
37	Oklahoma City.....	422.0	437.7	438.2	27.4	29.4	29.1	22.6	23.3	23.6	57.2	52.4	52.1
38	Tulsa.....	324.0	324.4	324.2	27.0	28.4	28.5	16.6	17.4	17.5	68.6	62.1	61.4
39	OREGON	1,018.3	964.1	964.6	2.6	2.3	2.5	39.6	32.5	32.4	212.7	194.0	196.9
40	Eugene—Springfield.....	98.9	92.2	92.6	(1)	(1)	(1)	4.0	2.9	2.9	19.8	16.4	17.4
41	Jackson County.....	-	-	-	-	-	-	-	-	-	7.1	6.6	6.6
42	Portland.....	542.0	519.7	517.1	(1)	(1)	(1)	22.3	19.9	20.1	108.7	101.6	101.0
43	Salem.....	89.5	87.5	89.2	(1)	(1)	(1)	3.4	2.9	2.9	18.0	17.3	18.5
44	PENNSYLVANIA	4,749.1	4,487.5	4,482.4	49.7	43.3	42.9	198.6	171.5	174.1	1,317.7	1,142.4	1,151.0
45	Allentown—Bethlehem—Easton.....	265.7	250.2	250.1	(1)	(1)	(1)	8.3	7.8	7.5	105.4	91.0	92.3
46	Altoona.....	50.5	49.2	47.2	(1)	(1)	(1)	2.2	2.1	2.1	13.1	11.8	12.0
47	Delaware Valley.....	1,589.4	1,529.1	1,522.1	(1)	(1)	(1)	64.2	58.0	56.4	361.3	332.3	329.9
48	Erie.....	109.7	105.3	105.4	(1)	(1)	(1)	3.2	3.3	3.6	41.4	38.6	38.3
49	Harrisburg.....	227.4	226.1	226.7	(1)	(1)	(1)	8.5	7.6	7.7	42.7	40.5	41.4
50	Johnstown.....	82.9	77.0	78.0	8.3	6.1	6.7	3.0	2.2	2.2	17.5	14.8	15.2
51	Lancaster.....	154.5	148.5	148.7	(1)	(1)	(1)	6.7	6.6	6.4	60.0	54.8	55.8
52	Northeast Pennsylvania.....	241.2	227.4	233.9	1.2	1.0	1.0	11.7	9.7	9.9	69.3	57.5	63.6
53	Philadelphia SMSA.....	1,935.2	1,872.9	1,866.0	(1)	(1)	(1)	79.3	71.7	70.3	432.7	397.5	395.3
54	Philadelphia City.....	787.3	745.0	746.5	(1)	(1)	(1)	20.4	18.9	18.4	130.3	120.2	119.4
55	Pittsburgh.....	949.0	872.7	868.5	9.8	9.3	8.5	50.3	40.9	44.2	239.4	190.8	185.1
56	Reading.....	136.9	132.0	133.3	(1)	(1)	(1)	5.4	4.3	4.2	53.3	49.1	50.8
57	Williamsport.....	46.6	44.3	44.6	(1)	(1)	(1)	1.5	1.4	1.4	16.4	14.5	14.9
58	York.....	156.7	148.7	148.3	(1)	(1)	(1)	7.0	7.0	6.9	66.1	59.6	59.3
59	RHODE ISLAND	403.5	384.7	392.6	(1)	(1)	(1)	13.0	12.6	12.6	127.8	109.8	117.9
60	Providence—Warwick—Pawtucket.....	409.3	386.7	394.7	(1)	(1)	(1)	13.2	12.5	12.5	141.5	121.1	129.9
61	SOUTH CAROLINA	1,190.1	1,160.1	1,164.1	(1)	(1)	(1)	73.7	66.7	66.3	392.6	354.0	359.6
62	Charleston—North Charleston.....	153.0	154.9	154.3	(1)	(1)	(1)	9.8	10.0	10.1	21.7	18.9	18.7
63	Columbia.....	176.4	174.7	175.7	(1)	(1)	(1)	8.6	8.7	8.9	27.4	24.1	25.2
64	Greenville—Spartanburg.....	267.4	259.8	257.5	(1)	(1)	(1)	16.7	15.7	15.2	103.5	95.1	94.3

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)

State and areas	Total			Mining			Contract Construction			Manufacturing		
	AUG. 1981	JULY 1982	AUG. 1982 P	AUG. 1981	JULY 1982	AUG. 1982 P	AUG. 1981	JULY 1982	AUG. 1982 P	AUG. 1981	JULY 1982	AUG. 1982 P
1 SOUTH DAKOTA	239.0	231.9	231.7	3.1	1.5	1.5	12.0	10.2	10.4	26.0	25.8	25.8
2 Sioux Falls	53.6	54.3	54.3	(2)	(2)	(2)	2.6	2.6	2.8	7.4	7.6	7.5
3 TENNESSEE	1,750.6	1,704.5	1,703.6	10.5	11.2	11.3	81.7	82.5	82.7	518.3	474.1	478.5
4 Chattanooga	168.1	165.2	164.1	1.1	1.4	1.4	5.9	5.8	5.8	49.1	45.8	45.5
5 Knoxville	202.4	204.2	202.8	1.6	1.5	1.5	10.3	9.4	9.2	52.2	48.3	48.4
6 Memphis	356.2	347.6	346.8	.2	.2	.2	14.7	13.6	13.7	59.7	55.0	54.7
7 Nashville—Davidson	359.7	345.6	347.8	(1)	(1)	(1)	17.5	16.1	16.6	83.0	75.3	75.8
8 TEXAS	6,171.1	6,248.5	6,223.1	300.9	296.2	294.2	443.4	447.6	447.7	1,118.9	1,046.2	1,034.1
9 Dallas—Fort Worth	1,519.3	1,546.1	1,549.4	30.8	33.3	33.2	83.1	85.2	85.7	332.8	315.7	315.2
10 Houston	1,563.2	1,554.4	1,545.6	103.4	97.2	95.6	150.5	145.6	144.0	265.1	252.5	249.3
11 San Antonio	408.6	409.7	407.1	3.2	3.5	3.6	27.9	27.5	27.7	53.1	49.4	48.9
12 UTAH	558.6	557.8	558.8	21.3	18.4	18.4	30.4	27.9	28.1	91.0	88.2	88.1
13 Salt Lake City—Ogden	392.9	394.6	394.2	8.2	6.7	6.2	20.1	17.8	18.1	61.8	61.0	60.5
14 VERMONT	202.8	201.0	201.8	.7	.5	.6	12.3	11.6	11.7	51.5	49.1	49.5
15 Burlington ¹²	59.3	59.1	59.1	-	-	-	-	-	-	16.1	16.0	15.9
16 Springfield ¹²	14.7	13.7	14.1	-	-	-	-	-	-	6.2	5.2	5.5
17 VIRGINIA	2,169.6	2,167.2	2,164.0	23.2	22.4	22.4	120.9	110.0	110.7	412.4	395.8	396.8
18 Bristol	26.7	26.5	26.7	(1)	(1)	(1)	1.0	.7	.7	9.4	8.9	8.9
19 Lynchburg	69.5	63.6	68.0	(1)	(1)	(1)	2.9	2.7	2.7	28.6	26.8	26.2
20 Newport News—Hampton	152.8	156.1	156.9	(1)	(1)	(1)	7.0	6.8	6.6	34.3	35.8	36.2
21 Norfolk—Virginia Beach—Portsmouth	293.4	291.8	290.7	(1)	(1)	(1)	17.3	17.1	17.3	30.0	28.6	27.9
22 Northern Virginia ¹³	467.4	477.3	477.4	.4	.4	.4	30.1	27.3	27.3	20.2	21.8	21.9
23 Petersburg—Colonial Hgts.—Hopewell	43.5	44.8	44.9	(1)	(1)	(1)	2.0	1.9	2.2	10.1	9.9	9.9
24 Richmond	325.4	326.7	326.2	.3	.3	.3	18.2	17.4	17.4	57.2	54.1	54.0
25 Roanoke	103.1	101.7	102.0	.2	.1	.1	4.3	4.5	4.7	21.2	19.9	19.6
26 WASHINGTON	1,589.6	1,551.2	1,546.9	3.3	3.2	3.0	92.6	77.5	77.7	304.7	289.5	288.1
27 Seattle—Everett	768.1	(*)	(*)	(1)	(*)	(*)	39.3	(*)	(*)	169.3	(*)	(*)
28 Spokane	123.4	(*)	(*)	(1)	(*)	(*)	6.3	(*)	(*)	16.4	(*)	(*)
29 Tacoma	140.3	(*)	(*)	(1)	(*)	(*)	7.3	(*)	(*)	22.3	(*)	(*)
30 WEST VIRGINIA	631.9	602.8	603.4	67.0	60.9	58.0	31.4	22.6	26.5	112.8	97.3	97.0
31 Charleston	112.1	109.9	109.7	6.8	6.3	6.3	4.7	5.3	5.3	16.6	16.5	16.1
32 Huntington—Ashland	103.6	98.1	99.3	1.2	1.3	1.3	5.3	3.9	4.5	25.0	21.9	21.8
33 Parkersburg—Marietta	58.9	55.3	56.6	1.4	1.4	1.4	3.5	1.5	2.9	16.8	15.3	15.1
34 Wheeling	65.3	61.6	61.9	4.9	4.7	4.7	3.0	2.2	2.6	12.1	9.2	9.3
35 WISCONSIN	1,936.3	1,868.7	1,872.4	2.5	2.3	2.1	64.1	53.2	55.5	562.2	502.2	502.7
36 Appleton—Oshkosh	125.9	120.4	121.4	(1)	(1)	(1)	5.0	4.5	4.7	47.9	43.8	44.1
37 Eau Claire	47.5	46.7	46.0	(1)	(1)	(1)	1.7	1.1	1.2	9.1	9.0	8.7
38 Green Bay	79.5	77.7	79.5	(1)	(1)	(1)	3.1	3.1	3.2	23.4	21.8	22.4
39 Janesville—Beloit	50.5	49.3	45.5	(1)	(1)	(1)	1.4	1.1	1.1	19.6	17.8	14.5
40 Kenosha	42.3	41.6	41.8	(1)	(1)	(1)	1.6	1.6	1.7	16.8	16.1	16.6
41 La Crosse	44.7	44.0	44.3	(1)	(1)	(1)	1.6	1.2	1.1	10.5	10.0	10.1
42 Madison	170.4	167.9	168.4	(1)	(1)	(1)	6.5	5.5	5.4	21.0	19.7	19.7
43 Milwaukee	657.7	626.9	628.9	(1)	(1)	(1)	18.6	13.3	15.7	197.0	169.0	170.0
44 Racine	66.2	61.8	61.1	(1)	(1)	(1)	1.6	1.5	1.8	27.0	23.4	22.5
45 WYOMING	223.6	215.6	213.9	40.0	39.0	39.4	20.9	18.3	17.9	10.6	10.3	10.3
46 Casper	40.9	38.5	37.7	8.1	7.0	6.4	3.5	4.2	4.3	2.1	1.5	1.6
47 Cheyenne	31.3	29.8	29.4	(1)	(1)	(1)	1.9	1.7	1.7	1.5	1.3	1.4
48 PUERTO RICO	656.6	622.2	615.6	.8	.7	.7	32.1	21.8	20.8	151.4	139.5	139.0
49 Caguas	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
50 Mayaguez	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
51 Ponce	(*)	(*)	(*)	(*)	(*)	(*)	2.7	1.7	1.7	(*)	(*)	(*)
52 San Juan	(*)	(*)	(*)	(1)	(1)	(1)	22.2	16.0	15.2	(*)	(*)	(*)
53 VIRGIN ISLANDS	37.7	35.9	36.0	(2)	(2)	(2)	3.4	2.9	3.2	3.0	2.6	2.6

¹ Combined with services.

² Combined with construction.

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

⁴ Subarea 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, 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, Loudoun, and Prince William Counties, Virginia.

p = preliminary.

*Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

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. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	
12.7	12.7	12.7	66.3	63.8	64.3	11.5	11.8	11.8	53.1	52.0	52.5	54.3	54.0	52.7	1
4.4	4.6	4.6	15.8	15.7	16.1	3.5	3.4	3.4	13.9	14.2	13.9	6.0	6.2	6.0	2
85.6	82.4	82.2	371.8	366.8	363.5	78.6	77.0	76.7	313.8	333.9	331.6	290.3	276.6	277.1	3
7.7	7.5	7.4	34.2	33.6	34.1	9.8	9.8	9.9	29.3	29.0	28.5	31.0	32.3	31.5	4
8.4	7.9	7.7	43.6	45.5	44.8	8.6	9.0	9.0	33.4	36.4	36.7	44.3	46.2	45.5	5
27.5	26.2	26.1	97.1	95.6	95.2	20.2	20.2	20.2	75.6	78.0	78.0	61.2	58.8	58.7	6
20.0	19.4	19.4	81.4	78.6	78.8	24.3	24.0	23.9	74.7	74.6	74.5	58.4	57.6	58.8	7
390.9	388.3	390.2	1,513.0	1,578.1	1,576.5	350.4	363.5	361.3	1,094.2	1,138.7	1,137.1	959.4	992.9	985.0	8
99.6	96.6	97.1	403.2	417.6	419.3	116.3	121.3	121.3	281.5	302.9	304.2	172.0	173.5	173.4	9
110.0	106.7	107.9	376.0	375.5	374.6	93.7	99.0	99.1	305.7	312.2	311.7	158.8	165.7	163.4	10
19.5	19.2	19.1	103.9	103.7	103.3	27.5	28.3	28.2	84.1	85.5	85.7	89.4	92.5	90.6	11
35.0	36.9	37.2	131.6	129.7	130.5	26.4	27.1	27.0	103.6	108.3	108.7	119.4	121.2	120.9	12
27.3	28.6	28.9	97.3	96.0	96.3	21.2	22.0	22.0	71.7	75.5	75.6	85.3	87.0	86.7	13
8.6	8.7	8.8	43.1	43.5	43.8	8.4	8.5	8.4	44.1	44.5	44.9	34.1	34.5	34.1	14
2.4	2.4	2.4	12.3	12.3	12.5	-	-	-	12.3	12.5	12.4	-	-	-	15
.6	.7	.7	2.3	2.2	2.2	-	-	-	2.7	2.7	2.7	-	-	-	16
118.4	117.4	118.2	466.6	477.1	475.9	108.0	107.5	107.2	426.9	433.5	432.1	493.2	503.5	500.8	17
1.1	1.2	1.2	6.4	7.0	7.2	.9	.9	.9	3.4	3.5	3.6	4.5	4.3	4.2	18
2.7	2.7	2.6	12.0	12.3	12.5	3.4	3.3	3.3	10.6	11.4	11.3	9.4	9.3	9.3	19
5.0	5.3	5.3	29.2	29.7	30.2	5.0	5.1	5.2	33.3	33.1	33.1	39.0	40.3	40.3	20
20.0	20.3	20.1	71.6	71.7	71.8	15.1	15.3	15.3	60.5	62.1	62.1	78.4	76.7	76.2	21
32.7	32.6	32.6	111.9	114.9	114.6	29.8	29.9	29.9	125.6	128.8	128.9	116.8	122.2	121.8	22
1.2	1.2	1.2	8.8	9.4	9.3	1.2	1.3	1.3	6.7	7.1	7.4	13.4	13.9	13.6	23
19.9	19.8	19.6	76.1	77.7	77.8	26.6	26.4	26.4	61.4	62.9	62.8	65.8	68.1	67.9	24
10.0	9.3	9.9	25.2	25.5	25.7	6.2	6.1	6.1	20.9	21.1	21.0	14.7	15.2	15.0	25
90.9	86.8	86.8	387.1	383.3	384.0	92.1	92.5	92.4	319.4	320.7	323.3	299.5	297.7	291.6	26
51.7	(*)	(*)	186.4	(*)	(*)	57.5	(*)	(*)	156.1	(*)	(*)	108.1	(*)	(*)	27
8.6	(*)	(*)	35.4	(*)	(*)	7.9	(*)	(*)	29.9	(*)	(*)	18.9	(*)	(*)	28
6.7	(*)	(*)	33.5	(*)	(*)	7.1	(*)	(*)	32.0	(*)	(*)	31.4	(*)	(*)	29
42.6	41.6	41.5	132.1	129.6	129.5	22.2	22.1	22.0	102.6	101.7	101.4	121.3	127.0	127.5	30
9.6	9.4	9.3	26.5	26.2	26.1	5.3	5.2	5.1	21.3	21.2	21.2	19.9	20.6	20.3	31
9.9	8.5	8.9	24.3	24.1	24.1	3.7	3.6	3.6	15.7	16.1	16.0	18.4	18.9	19.2	32
2.5	2.4	2.4	13.3	13.1	13.1	2.1	2.0	2.0	10.0	9.8	9.8	9.4	9.8	9.8	33
3.7	3.6	3.6	15.4	15.4	15.4	2.8	2.8	2.8	14.0	14.2	14.2	9.5	9.5	9.4	34
88.2	84.8	84.5	439.7	433.9	435.6	97.7	98.8	98.5	383.6	388.7	391.2	298.5	304.7	302.3	35
4.1	4.1	4.1	26.2	24.8	25.4	5.6	5.7	5.8	21.5	22.1	22.1	15.5	15.3	15.3	36
2.7	2.6	2.6	12.7	12.5	12.5	1.7	1.7	1.7	10.1	10.1	10.0	9.3	9.7	9.3	37
5.8	6.1	6.1	19.9	19.4	20.2	2.6	2.6	2.6	15.0	15.1	15.4	9.8	9.6	9.6	38
2.0	2.4	2.4	11.2	10.8	10.8	1.4	1.4	1.4	8.8	8.8	8.8	6.1	6.9	6.6	39
1.3	1.2	1.2	8.5	8.1	8.1	1.0	1.0	1.0	7.7	7.4	7.5	5.6	6.0	5.8	40
2.3	1.9	1.9	11.7	11.7	11.7	1.2	1.1	1.1	11.1	11.8	11.8	6.3	6.4	6.5	41
6.2	6.2	6.2	36.2	36.6	36.8	13.9	14.0	14.0	32.6	33.1	33.4	54.1	52.9	52.8	42
32.8	31.9	31.6	142.3	139.2	139.1	40.9	41.4	41.1	146.6	149.7	150.1	79.4	82.5	81.2	43
2.2	2.3	2.3	13.4	13.0	13.0	2.3	2.3	2.3	11.3	11.1	11.2	8.2	8.1	7.9	44
18.2	17.6	17.3	51.5	51.1	50.3	7.5	7.5	7.5	36.1	34.3	33.9	38.8	37.5	37.3	45
2.9	2.6	2.5	11.0	10.5	10.3	1.8	1.8	1.8	5.8	5.6	5.4	5.7	5.3	5.4	46
4.7	4.0	3.8	7.4	7.5	7.2	1.6	1.5	1.5	6.0	5.4	5.5	8.2	8.4	8.3	47
16.0	14.1	14.5	111.2	102.3	103.1	23.0	28.2	27.9	82.5	79.9	82.1	234.5	235.7	227.5	48
(*)	(*)	(*)	5.2	4.4	4.5	(*)	(*)	(*)	(*)	(*)	(*)	9.4	9.8	9.2	49
(*)	(*)	(*)	5.5	5.4	5.3	(*)	(*)	(*)	(*)	(*)	(*)	12.9	13.9	13.6	50
(*)	(*)	(*)	7.5	6.7	6.8	(*)	(*)	(*)	6.5	6.5	6.4	16.9	17.8	16.8	51
12.4	11.3	11.7	71.3	65.0	65.5	21.3	21.5	21.4	57.4	55.9	58.8	124.6	122.5	118.9	52
2.0	2.0	2.0	7.4	6.9	6.7	1.7	1.6	1.6	5.4	5.3	5.2	14.8	14.6	14.7	53



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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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
-	TOTAL PRIVATE	\$259.88	\$259.74	\$269.98	\$270.69	\$270.05	\$7.30	\$7.40	\$7.67	\$7.69	\$7.76
-	MINING	447.30	450.85	463.68	462.40	457.75	10.12	10.27	10.91	10.89	11.03
10	METAL MINING	477.15	488.84	462.29	451.90	-	11.84	12.10	12.23	12.28	-
101	Iron ores	518.75	546.94	464.52	444.96	-	12.47	12.93	12.52	12.36	-
102	Copper ores	485.60	490.86	468.10	465.16	-	11.99	12.12	12.86	12.68	-
11, 12	COAL MINING	507.78	519.94	503.24	507.87	-	12.09	12.35	-	12.99	-
12	BITUMINOUS COAL AND LIGNITE MINING	509.46	521.62	503.49	509.44	-	12.13	12.39	-	12.93	-
13	OIL AND GAS EXTRACTION	432.81	432.21	461.01	457.88	-	9.45	9.52	10.43	10.43	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	445.54	464.70	493.61	489.95	-	10.71	10.96	12.01	11.95	-
138	Oil and gas field services	429.52	421.79	447.56	445.59	-	9.10	9.11	9.88	9.08	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	366.68	364.22	392.47	393.78	-	8.41	8.49	8.94	8.97	-
142	Crushed and broken stone	353.90	351.60	389.28	367.57	-	8.08	8.12	8.67	8.69	-
-	CONSTRUCTION	408.41	396.31	438.14	436.54	432.47	10.92	11.07	11.53	11.61	11.72
15	GENERAL BUILDING CONTRACTORS	359.63	353.50	389.04	386.40	-	9.88	10.10	10.43	10.50	-
152	Residential building construction	322.73	319.33	357.33	352.47	-	9.04	9.31	9.58	9.71	-
153	Operative builders	305.28	305.59	312.15	307.09	-	8.41	8.56	8.15	8.06	-
154	Nonresidential building construction	398.83	387.66	425.97	424.82	-	10.75	10.92	11.42	11.42	-
16	HEAVY CONSTRUCTION CONTRACTORS	432.37	412.63	479.45	476.93	-	10.52	10.69	11.47	11.52	-
161	Highway and street construction	419.76	389.83	440.41	445.60	-	9.90	9.97	10.29	10.46	-
162	Heavy construction, except highway	437.81	421.30	495.97	490.80	-	10.81	11.00	11.98	12.00	-
17	SPECIAL TRADE CONTRACTORS	421.81	410.55	443.34	442.26	-	11.62	11.73	12.08	12.15	-
171	Plumbing, heating, air conditioning	436.73	421.37	465.86	459.79	-	11.74	11.77	12.39	12.36	-
172	Painting, paper hanging, decorating	373.11	374.45	379.83	381.41	-	10.51	10.76	10.76	10.96	-
173	Electrical work	496.31	474.35	522.06	523.01	-	13.13	13.25	13.56	13.62	-
174	Masonry, stonework, and plastering	380.65	373.04	412.87	413.47	-	11.13	11.27	11.83	11.95	-
175	Carpentering and flooring	355.01	365.74	378.94	384.85	-	10.35	10.54	11.08	11.22	-
176	Roofing and sheet metal work	360.85	343.99	367.43	361.66	-	10.31	10.33	10.65	10.70	-
-	MANUFACTURING	320.40	322.32	332.60	331.89	333.29	8.03	8.16	8.55	8.51	8.59
24, 25, 32-39	DURABLE GOODS	345.32	346.26	357.11	356.72	355.41	8.59	8.70	9.11	9.10	9.16
20-23, 26-31	NONDURABLE GOODS	284.86	287.78	299.15	299.54	303.02	7.23	7.36	7.77	7.74	7.82
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	278.07	271.36	254.90	256.42	294.53	7.13	7.16	7.64	7.62	7.67
241	Logging camps and logging contractors	366.03	352.08	407.40	406.85	-	9.29	9.49	10.50	10.30	-
242	Sawmills and planing mills	294.92	282.94	302.23	308.90	-	7.41	7.33	7.85	7.84	-
2421	Sawmills and planing mills, general	312.00	297.99	319.28	325.91	-	7.80	7.72	8.25	8.23	-
2426	Hardwood dimension and flooring	201.96	196.86	203.07	205.29	-	5.10	5.10	5.33	5.36	-
243	Millwork, plywood, and structural members	267.19	260.77	289.42	289.42	-	6.94	7.01	7.44	7.44	-
2431	Millwork	268.48	271.93	306.36	257.57	-	7.01	7.10	7.64	7.63	-
2434	Wood kitchen cabinets	235.99	229.60	252.30	250.50	-	6.31	6.36	6.71	6.68	-
2435	Hardwood veneer and plywood	224.54	216.22	218.42	217.91	-	5.49	5.53	5.84	5.78	-
2436	Softwood veneer and plywood	328.80	306.21	348.29	365.22	-	8.63	8.65	9.07	9.14	-
244	Wood containers	205.25	204.37	209.66	212.18	-	5.29	5.35	5.46	5.44	-
245	Wood buildings and mobile homes	239.65	236.09	249.95	247.01	-	6.53	6.54	6.63	6.64	-
2451	Mobile homes	242.08	233.35	248.35	243.46	-	6.49	6.50	6.57	6.58	-
249	Miscellaneous wood products	237.79	240.15	245.70	245.07	-	6.02	6.05	6.30	6.30	-
25	FURNITURE AND FIXTURES	231.21	226.58	233.31	244.10	239.25	5.99	6.01	6.34	6.39	6.38
251	Household furniture	210.35	207.02	208.00	221.46	-	5.55	5.58	5.81	5.89	-
2511	Wood household furniture	196.48	191.58	190.10	199.97	-	5.13	5.15	5.34	5.30	-
2512	Upholstered household furniture	218.15	217.49	212.32	232.84	-	5.88	5.91	6.19	6.31	-
2514	Metal household furniture	226.14	222.53	243.59	252.80	-	5.92	5.95	6.23	6.32	-
2515	Mattresses and bedspreads	232.61	229.32	244.94	249.72	-	6.17	6.30	6.48	6.52	-
252	Office furniture	260.65	251.94	258.18	262.09	-	6.50	6.46	6.76	6.79	-
253	Public building and related furniture	273.65	264.01	280.28	281.60	-	6.61	6.65	7.06	7.04	-
254	Partitions and fixtures	279.63	272.70	299.15	303.03	-	7.17	7.12	7.71	7.75	-
259	Miscellaneous furniture and fixtures	267.60	268.52	273.00	282.89	-	6.69	6.85	7.00	7.18	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
-	TOTAL PRIVATE	35.6	35.1	35.2	35.2	34.8	-	-	-	-	-
-	MINING	44.2	43.9	42.5	42.5	41.5	-	-	-	-	-
10	METAL MINING	40.3	40.4	37.8	36.8	-	-	-	-	-	-
101	Iron ores	41.6	42.3	38.7	36.0	-	-	-	-	-	-
102	Copper ores	40.5	40.5	36.4	37.0	-	-	-	-	-	-
11, 12	COAL MINING	42.0	42.1	-	39.4	-	-	-	-	-	-
12	BITUMINOUS COAL AND LIGNITE MINING	42.0	42.1	-	39.4	-	-	-	-	-	-
13	OIL AND GAS EXTRACTION	45.8	45.4	44.2	43.9	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	41.6	42.4	41.1	41.0	-	-	-	-	-	-
138	Oil and gas field services	47.2	46.3	45.3	45.1	-	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	43.6	42.9	43.5	43.9	-	-	-	-	-	-
142	Crushed and broken stone	43.8	43.3	44.9	44.6	-	-	-	-	-	-
-	CONSTRUCTION	37.4	35.8	38.0	37.6	36.9	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	36.4	35.0	37.3	36.8	-	-	-	-	-	-
152	Residential building construction	35.7	34.3	37.3	36.3	-	-	-	-	-	-
153	Operative builders	36.3	35.7	38.3	38.1	-	-	-	-	-	-
154	Nonresidential building construction	37.1	35.5	37.3	37.2	-	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	41.1	38.6	41.8	41.4	-	-	-	-	-	-
161	Highway and street construction	42.4	39.1	42.8	42.6	-	-	-	-	-	-
162	Heavy construction, except highway	40.5	38.3	41.4	40.9	-	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	36.3	35.0	36.7	36.4	-	-	-	-	-	-
171	Plumbing, heating, air conditioning	37.2	35.8	37.6	37.2	-	-	-	-	-	-
172	Painting, paper hanging, decorating	35.5	34.8	35.3	34.8	-	-	-	-	-	-
173	Electrical work	37.8	35.8	38.5	38.4	-	-	-	-	-	-
174	Masonry, stonework, and plastering	34.2	33.1	34.9	34.6	-	-	-	-	-	-
175	Carpentering and flooring	34.3	34.7	34.2	34.3	-	-	-	-	-	-
176	Roofing and sheet metal work	35.0	33.3	34.5	33.8	-	-	-	-	-	-
-	MANUFACTURING	39.9	39.5	38.9	39.0	38.8	3.0	2.9	2.3	2.4	2.5
24, 25, 32-39	DURABLE GOODS	40.2	39.8	39.2	39.2	38.8	2.9	2.8	2.1	2.2	2.2
20-23, 26-31	NONDURABLE GOODS	39.4	35.1	38.5	38.7	38.7	3.0	3.1	2.5	2.7	2.9
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	39.0	37.9	38.6	38.9	38.4	2.8	2.3	2.5	2.6	-
241	Logging camps and logging contractors	39.4	37.1	38.8	39.5	-	4.4	3.3	3.0	3.6	-
242	Sawmills and planing mills	39.8	38.6	38.5	39.4	-	3.3	2.8	3.0	3.1	-
2421	Sawmills and planing mills, general	40.0	38.6	38.7	39.6	-	3.6	2.9	3.3	3.3	-
2426	Hardwood dimension and flooring	39.6	38.6	38.1	38.3	-	2.3	2.2	2.0	2.0	-
243	Millwork, plywood, and structural members	38.5	37.2	38.9	38.9	-	2.2	1.7	2.3	2.2	-
2431	Millwork	38.3	38.3	40.1	39.0	-	1.8	1.2	2.1	1.6	-
2434	Wood kitchen cabinets	37.4	36.1	37.6	37.5	-	1.6	1.2	1.5	1.7	-
2435	Hardwood veneer and plywood	40.9	39.1	37.4	37.7	-	3.3	2.6	1.9	1.9	-
2436	Softwood veneer and plywood	38.1	35.4	38.4	40.4	-	2.9	2.2	3.2	3.4	-
244	Wood containers	38.8	38.2	38.4	38.3	-	2.2	2.0	1.9	1.9	-
245	Wood buildings and mobile homes	36.7	36.1	37.7	37.2	-	1.6	1.1	1.7	1.3	-
2451	Mobile homes	37.3	35.9	37.8	37.0	-	1.2	.8	1.8	1.3	-
249	Miscellaneous wood products	39.5	35.7	39.0	38.9	-	2.6	2.7	2.2	2.1	-
25	FURNITURE AND FIXTURES	38.6	37.7	36.8	38.2	37.5	2.0	1.8	1.4	1.7	-
251	Household furniture	37.9	37.1	35.8	37.6	-	1.6	1.4	.9	1.3	-
2511	Wood household furniture	38.3	37.2	35.6	37.1	-	1.8	1.7	1.0	1.3	-
2512	Upholstered household furniture	37.1	36.8	34.3	36.9	-	1.1	.9	.5	.8	-
2514	Metal household furniture	38.2	37.4	39.1	40.0	-	1.9	1.8	1.5	2.0	-
2515	Mattresses and bedsprings	37.7	36.4	37.8	38.3	-	2.1	1.7	1.4	2.0	-
252	Office furniture	40.1	39.0	37.6	38.6	-	2.9	2.6	1.8	2.2	-
253	Public building and related furniture	41.4	35.7	39.7	40.0	-	2.9	2.1	2.5	2.6	-
254	Partitions and fixtures	39.0	38.3	38.8	39.1	-	2.8	2.4	2.4	2.6	-
259	Miscellaneous furniture and fixtures	40.0	39.2	39.0	39.4	-	2.3	2.3	1.7	1.7	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
32	STONE, CLAY, AND GLASS PRODUCTS	\$344.81	\$346.32	\$362.56	\$362.15	\$367.02	\$8.41	\$8.53	\$8.93	\$8.92	\$9.00
321	Flat glass	448.33	484.18	495.23	496.83	-	10.70	11.26	11.68	11.69	-
322	Glass and glassware, pressed or blown	361.97	365.31	365.27	380.55	-	8.85	9.02	9.56	9.49	-
3221	Glass containers	384.81	381.52	408.18	405.14	-	9.34	9.61	9.98	9.93	-
3229	Pressed and blown glass, nec	329.67	342.38	348.98	342.42	-	8.14	8.25	8.88	8.78	-
323	Products of purchased glass	289.09	300.13	317.98	317.99	-	7.47	7.56	8.05	8.03	-
324	Cement, hydraulic	502.25	523.38	508.68	522.07	-	11.93	12.20	12.56	12.58	-
325	Structural clay products	276.74	278.88	281.24	282.49	-	6.85	6.92	7.12	7.08	-
326	Pottery and related products	261.50	263.16	284.23	285.25	-	6.81	6.80	7.46	7.19	-
327	Concrete, gypsum, and plaster products	352.80	347.73	372.73	370.09	-	8.38	8.44	8.77	8.77	-
3271	Concrete block and brick	322.18	315.46	334.71	340.26	-	7.51	7.44	7.73	7.84	-
3272	Concrete products, nec	314.49	309.34	330.54	329.09	-	7.47	7.49	7.87	7.78	-
3273	Ready-mixed concrete	383.88	374.80	410.01	403.38	-	9.25	9.37	9.67	9.72	-
329	Misc. nonmetallic mineral products	338.22	337.28	341.82	344.05	-	8.31	8.39	8.72	8.71	-
3291	Abrasive products	320.00	322.79	321.78	319.29	-	7.98	8.09	8.65	8.55	-
3292	Asbestos products	351.37	326.24	356.71	365.49	-	8.57	8.43	8.94	8.98	-
33	PRIMARY METAL INDUSTRIES	442.90	457.78	437.75	441.98	439.64	10.99	11.22	11.37	11.51	11.60
331	Blast furnace and basic steel products	516.80	545.73	505.21	514.74	-	12.92	13.15	13.26	13.69	-
3312	Blast furnaces and steel mills	535.16	570.75	523.91	535.63	-	13.48	13.72	13.86	14.36	-
3317	Steel pipe and tubes	425.18	417.56	410.94	353.59	-	10.27	10.31	10.51	10.44	-
332	Iron and steel foundries	354.88	347.54	365.91	360.98	-	9.03	9.17	9.81	9.73	-
3321	Gray iron foundries	355.41	349.68	379.64	372.00	-	9.16	9.30	10.07	9.92	-
3322	Malleable iron foundries	376.94	368.76	374.26	376.46	-	9.69	9.86	10.17	10.23	-
3325	Steel foundries, nec	352.29	340.17	330.37	336.74	-	8.72	8.79	9.28	9.38	-
333	Primary nonferrous metals	502.15	553.72	520.27	530.47	-	12.10	12.70	12.91	12.97	-
3334	Primary aluminum	536.26	603.37	553.23	566.77	-	12.86	13.62	13.66	13.69	-
335	Nonferrous rolling and drawing	406.16	411.58	409.60	413.26	-	9.74	9.87	10.24	10.28	-
3351	Copper rolling and drawing	367.65	352.73	366.54	377.15	-	8.61	8.52	8.94	9.11	-
3353	Aluminum sheet, plate, and foil	522.50	540.58	547.29	548.23	-	12.56	12.81	13.48	13.47	-
3357	Nonferrous wire drawing and insulating	368.87	382.55	369.57	373.12	-	8.91	9.13	9.38	9.47	-
336	Nonferrous foundries	317.60	316.37	333.84	336.48	-	7.96	8.05	8.56	8.54	-
3361	Aluminum foundries	322.78	321.79	346.33	347.38	-	8.11	8.23	8.79	8.75	-
34	FABRICATED METAL PRODUCTS	332.88	330.70	344.27	345.54	343.54	8.26	8.33	8.85	8.86	8.90
341	Metal cans and shipping containers	491.51	479.62	504.38	514.28	-	11.07	11.18	11.84	11.96	-
3411	Metal cans	512.76	500.39	528.04	540.20	-	11.42	11.61	12.28	12.39	-
342	Cutlery, hand tools, and hardware	308.85	297.98	322.24	320.88	-	7.76	7.76	8.48	8.40	-
3423, 5	Hand and edge tools, and hand saws and blades	297.60	293.57	250.86	290.16	-	7.44	7.47	7.84	7.80	-
3429	Hardware, nec	319.97	304.99	345.47	342.00	-	8.08	8.09	8.95	8.96	-
343	Plumbing and heating, except electric	284.40	281.51	302.93	306.91	-	7.33	7.35	7.93	7.91	-
3432	Plumbing fittings and brass goods	274.71	267.58	289.55	287.65	-	6.99	6.95	7.56	7.53	-
3433	Heating equipment, except electric	284.79	282.94	306.36	312.78	-	7.34	7.33	8.02	8.02	-
344	Fabricated structural metal products	326.43	327.22	335.01	340.65	-	8.08	8.16	8.59	8.59	-
3441	Fabricated structural metal	352.34	350.58	360.30	364.61	-	8.49	8.53	9.03	9.07	-
3442	Metal doors, sash, and trim	249.99	257.28	256.90	263.74	-	6.41	6.58	6.69	6.78	-
3443	Fabricated plate work (boiler shops)	362.50	362.88	372.27	383.18	-	8.82	8.96	9.57	9.75	-
3444	Sheet metal work	326.33	325.48	345.15	343.55	-	8.22	8.24	8.85	8.95	-
3446	Architectural metal work	302.71	299.34	322.62	330.62	-	7.53	7.54	8.23	8.17	-
345	Screw machine products, bolts, etc.	316.71	312.83	313.39	314.16	-	7.82	7.86	8.14	8.16	-
3451	Screw machine products	287.68	287.17	285.76	288.79	-	7.21	7.27	7.52	7.56	-
3452	Bolts, nuts, rivets, and washers	343.17	337.24	339.21	327.46	-	8.37	8.41	8.72	8.72	-
346	Metal forgings and stampings	382.32	375.09	393.43	352.82	-	9.44	9.52	10.14	9.97	-
3462	Iron and steel forgings	406.82	390.87	405.45	425.25	-	10.12	10.10	10.87	10.96	-
3465	Automotive stampings	467.71	456.40	475.83	464.84	-	11.27	11.41	11.72	11.65	-
3469	Metal stampings, nec	292.93	289.73	300.80	312.44	-	7.36	7.41	8.00	7.93	-
347	Metal services, nec	261.35	261.10	273.08	272.76	-	6.55	6.61	7.02	7.03	-
3471	Plating and polishing	256.36	256.62	269.58	267.42	-	6.49	6.58	6.93	6.91	-
3479	Metal coating and allied services	272.14	271.06	281.97	284.70	-	6.67	6.66	7.23	7.30	-
348	Ordinance and accessories, nec	328.35	334.27	359.06	338.68	-	8.25	8.42	9.09	9.08	-
3483	Ammunition, exc. for small arms, nec	290.97	294.90	326.88	280.00	-	7.48	7.64	8.36	8.00	-
349	Misc. fabricated metal products	308.50	308.90	315.85	317.82	-	7.81	7.88	8.29	8.32	-
3494	Valves and pipe fittings	330.74	332.69	333.77	336.93	-	8.31	8.38	8.83	8.99	-
3496	Misc. fabricated wire products	264.88	264.52	278.46	281.25	-	6.74	6.80	7.14	7.23	-
35	MACHINERY, EXCEPT ELECTRICAL	359.79	361.98	363.63	363.87	364.88	8.84	8.96	9.30	9.33	9.38
351	Engines and turbines	441.54	452.48	446.88	446.57	-	11.15	11.20	11.40	11.48	-
3511	Turbines and turbine generator sets	412.48	416.12	422.28	445.91	-	10.39	10.30	10.80	11.12	-
3519	Internal combustion engines, nec	451.88	466.22	459.81	446.18	-	11.44	11.54	11.70	11.68	-
352	Farm and garden machinery	389.37	391.45	408.99	391.13	-	9.71	9.91	10.46	10.32	-
3523	Farm machinery and equipment	403.81	408.75	427.58	417.96	-	10.02	10.27	10.88	10.95	-
353	Construction and related machinery	397.99	402.62	380.36	354.11	-	9.66	9.82	10.17	10.29	-

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. 1981	Sept. 1981	July 1982	Aug. 1982F	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
32	STONE, CLAY, AND GLASS PRODUCTS	41.0	40.6	40.6	40.6	40.6	4.1	4.0	3.8	3.9	-
321	Flat glass	41.9	43.0	42.4	42.5	-	4.0	4.6	3.7	4.0	-
322	Glass and glassware, pressed or blown	40.9	40.5	40.3	40.1	-	4.3	5.0	4.1	4.1	-
3221	Glass containers	41.2	39.7	40.9	40.8	-	4.8	5.5	4.8	4.9	-
3229	Pressed and blown glass, nec	40.5	41.5	39.3	39.0	-	3.6	4.3	3.1	3.0	-
323	Products of purchased glass	38.7	39.7	39.5	39.6	-	3.0	3.1	2.7	2.9	-
324	Cement, hydraulic	42.1	42.9	40.5	41.5	-	3.3	3.5	2.4	2.8	-
325	Structural clay products	40.4	40.3	39.5	39.9	-	3.3	3.3	2.5	2.5	-
326	Pottery and related products	38.4	38.7	38.1	38.6	-	1.7	2.0	1.4	1.6	-
327	Concrete, gypsum, and plaster products	42.1	41.2	42.5	42.2	-	5.3	4.7	5.5	5.6	-
3271	Concrete block and brick	42.9	42.4	43.3	43.4	-	4.7	4.2	5.2	5.5	-
3272	Concrete products, nec	42.1	41.3	42.0	42.3	-	4.7	4.2	4.8	5.0	-
3273	Ready-mixed concrete	41.5	40.0	42.4	41.5	-	5.6	4.7	6.1	6.0	-
329	Misc. nonmetallic mineral products	40.7	40.2	39.2	39.5	-	3.6	3.2	2.4	2.7	-
3291	Abrasive products	40.1	39.9	37.2	37.3	-	2.8	2.7	1.2	1.2	-
3292	Asbestos products	41.0	38.7	39.9	40.7	-	3.1	2.3	2.6	2.8	-
33	PRIMARY METAL INDUSTRIES	40.3	40.8	38.5	38.4	37.9	3.1	3.3	2.0	2.1	-
331	Blast furnace and basic steel products	40.0	41.5	38.1	37.6	-	2.9	3.3	1.5	1.5	-
3312	Blast furnaces and steel mills	39.7	41.6	37.8	37.3	-	2.8	3.3	1.4	1.5	-
3317	Steel pipe and tubes	41.4	40.5	39.1	37.7	-	3.6	2.9	2.4	2.0	-
332	Iron and steel foundries	39.3	37.9	37.3	37.1	-	2.9	2.6	2.0	1.9	-
3321	Gray iron foundries	38.8	37.6	37.7	37.5	-	2.9	2.6	2.6	2.3	-
3322	Malleable iron foundries	38.9	37.4	36.8	36.8	-	2.5	2.8	1.3	1.3	-
3325	Steel foundries, nec	40.4	38.7	35.6	35.9	-	3.1	2.3	.9	1.2	-
333	Primary nonferrous metals	41.5	43.6	40.3	40.9	-	3.2	4.6	2.7	2.7	-
3334	Primary aluminum	41.7	44.3	40.5	41.4	-	3.7	5.9	3.2	3.1	-
3335	Nonferrous rolling and drawing	41.7	41.7	40.0	40.2	-	4.5	4.4	2.9	3.1	-
3351	Copper rolling and drawing	42.7	41.4	41.0	41.4	-	4.7	4.6	2.7	3.6	-
3353	Aluminum sheet, plate and foil	41.6	42.2	40.6	40.7	-	5.1	5.7	4.6	4.4	-
3357	Nonferrous wire drawing and insulating	41.4	41.9	39.4	39.4	-	4.7	4.5	2.5	2.6	-
336	Nonferrous foundries	39.9	39.3	39.0	39.4	-	2.4	2.2	2.0	2.0	-
3361	Aluminum foundries	39.8	39.1	39.4	39.7	-	2.5	2.4	2.0	2.0	-
34	FABRICATED METAL PRODUCTS	40.3	39.7	38.9	39.0	38.6	2.9	2.7	1.9	2.1	-
341	Metal cans and shipping containers	44.4	42.9	42.6	43.0	-	5.3	4.9	4.4	4.7	-
3411	Metal cans	44.9	43.1	43.0	43.6	-	5.3	5.0	4.5	5.1	-
342	Cutlery, hand tools, and hardware	39.8	38.4	38.0	38.2	-	2.4	1.8	1.4	1.3	-
3423, 5	Hand and edge tools, and hand saws and blades	40.0	39.3	37.1	37.2	-	2.4	1.9	.9	.9	-
3429	Hardware, nec	39.6	37.7	38.6	38.6	-	2.4	1.7	1.6	1.3	-
343	Plumbing and heating, except electric	38.8	38.3	38.2	38.8	-	1.7	1.7	.9	1.1	-
3432	Plumbing fittings and brass goods	39.3	38.5	38.3	38.2	-	2.0	1.7	.9	.9	-
3433	Heating equipment, except electric	38.8	38.6	38.2	39.0	-	1.6	1.6	.8	1.4	-
344	Fabricated structural metal products	40.4	40.1	39.0	39.2	-	2.9	2.8	1.9	2.3	-
3441	Fabricated structural metal	41.5	41.1	39.9	40.2	-	3.5	3.0	2.7	2.9	-
3442	Metal doors, sash, and trim	39.0	39.1	38.4	38.9	-	2.2	2.3	1.7	2.3	-
3443	Fabricated plate work (boiler shops)	41.1	40.5	38.9	39.3	-	3.3	3.4	1.8	2.3	-
3444	Sheet metal work	39.7	39.5	39.0	38.3	-	2.5	2.4	1.9	1.7	-
3446	Architectural metal work	40.2	39.7	39.2	39.5	-	2.4	1.7	2.1	2.7	-
345	Screw machine products, bolts, etc.	40.5	39.8	38.5	38.5	-	3.0	2.5	1.5	1.6	-
3451	Screw machine products	39.9	39.5	38.0	38.2	-	2.7	2.3	1.3	1.4	-
3452	Bolts, nuts, rivets, and washers	41.0	40.1	38.9	38.7	-	3.3	2.8	1.7	1.7	-
346	Metal forgings and stampings	40.5	35.4	38.8	39.4	-	3.1	2.8	2.4	2.0	-
3462	Iron and steel forgings	40.2	38.7	37.3	38.8	-	3.1	2.5	1.7	1.9	-
3465	Automotive stampings	41.5	40.0	40.6	39.9	-	3.8	3.2	3.2	2.1	-
3469	Metal stampings, nec	39.8	39.1	37.6	39.4	-	2.5	2.3	1.7	1.8	-
347	Metal services, nec	39.9	39.5	38.9	38.8	-	2.7	2.6	2.3	2.3	-
3471	Plating and polishing	39.5	39.0	38.9	38.7	-	2.8	2.7	2.1	2.2	-
3479	Metal coating and allied services	40.8	40.7	39.0	39.0	-	2.5	2.2	2.7	2.6	-
348	Ordnance and accessories, nec	39.8	39.7	39.5	37.3	-	2.5	2.7	1.9	1.3	-
3483	Ammunition, exc. for small arms, nec	38.9	38.6	39.1	35.0	-	2.0	1.9	1.4	1.2	-
349	Misc. fabricated metal products	39.5	39.2	38.1	38.2	-	2.7	2.6	1.3	1.6	-
3494	Valves and pipe fittings	39.8	39.7	37.8	37.9	-	2.7	2.8	1.2	1.5	-
3496	Misc. fabricated wire products	39.3	38.9	39.0	38.9	-	2.6	2.4	1.4	1.6	-
35	MACHINERY, EXCEPT ELECTRICAL	40.7	40.4	39.1	39.0	38.9	3.3	3.1	2.0	1.9	-
351	Engines and turbines	39.6	40.4	39.2	38.9	-	3.1	2.7	1.4	1.4	-
3511	Turbines and turbine generator sets	39.7	40.4	39.1	40.1	-	3.6	3.4	2.7	3.0	-
3519	Internal combustion engines, nec	39.5	40.4	39.3	38.2	-	2.9	2.5	.8	.6	-
352	Farm and garden machinery	40.1	39.5	39.1	37.9	-	3.2	3.0	1.7	1.7	-
3523	Farm machinery and equipment	40.3	39.8	39.3	37.6	-	3.6	3.4	1.8	1.9	-
353	Construction and related machinery	41.2	41.0	37.4	38.3	-	3.6	3.4	1.5	1.6	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3531	Construction machinery	40.0	39.6	35.0	37.0	-	2.2	1.7	0.9	0.9	-
3532	Mining machinery	38.9	39.3	37.0	37.3	-	1.8	1.7	.9	1.1	-
3533	Oil field machinery	44.6	44.8	39.9	39.8	-	6.1	6.5	2.3	2.3	-
3535	Conveyers and conveying equipment	39.6	38.4	39.5	39.2	-	3.9	2.9	1.9	2.3	-
3537	Industrial trucks and tractors	38.2	37.7	35.0	36.5	-	2.6	2.2	.8	.8	-
354	Metalworking machinery	41.3	40.7	39.3	38.9	-	4.0	3.7	2.4	2.5	-
3541	Machine tools, metal cutting types	41.4	41.3	38.8	37.8	-	4.2	4.1	2.0	1.6	-
3542	Machine tools, metal forming types	38.2	39.1	37.2	37.3	-	2.5	2.6	1.1	1.3	-
3544	Special dies, tools, jigs, and fixtures	42.2	41.4	40.6	40.1	-	4.9	4.4	3.4	3.6	-
3545	Machine tool accessories	40.9	39.6	37.6	37.2	-	3.1	2.9	1.3	1.2	-
3546	Power driven hand tools	39.8	39.7	39.2	39.7	-	2.7	2.3	1.5	2.0	-
355	Special industry machinery	40.8	40.6	39.1	39.1	-	2.8	2.8	2.1	2.4	-
3551	Food products machinery	40.8	40.0	39.7	39.6	-	2.2	2.0	2.3	2.5	-
3552	Textile machinery	40.2	39.8	38.3	37.9	-	2.1	1.9	.8	1.0	-
3555	Printing trades machinery	42.3	42.0	39.4	38.9	-	3.8	3.7	2.4	2.0	-
356	General industrial machinery	40.2	40.0	38.5	38.7	-	3.0	3.0	1.7	1.5	-
3561	Pumps and pumping equipment	39.1	39.2	37.6	37.9	-	2.7	2.6	1.1	1.1	-
3562	Ball and roller bearings	41.1	41.1	38.6	39.9	-	3.3	3.1	2.1	1.9	-
3563	Air and gas compressors	42.3	42.8	39.0	40.1	-	3.6	4.4	2.5	2.3	-
3564	Blowers and fans	39.7	35.2	40.3	39.6	-	3.2	2.9	2.2	1.7	-
3566	Speed changers, drives, and gears	41.3	39.6	37.2	36.5	-	4.3	3.5	.9	.8	-
3568	Power transmission equipment, nec	40.6	40.7	37.4	36.9	-	2.9	2.8	1.3	1.0	-
357	Office and computing machines	41.6	41.0	40.9	40.8	-	2.8	3.0	2.0	2.1	-
3573	Electronic computing equipment	42.0	41.3	41.1	41.0	-	3.2	3.4	2.2	2.2	-
358	Refrigeration and service machinery	39.5	39.3	39.9	39.1	-	2.3	2.0	2.0	1.6	-
3585	Refrigeration and heating equipment	39.9	39.6	40.2	39.1	-	2.4	2.0	2.0	1.7	-
359	Misc. machinery, except electrical	40.6	39.9	39.1	38.7	-	3.7	3.1	2.3	2.0	-
3592	Carburetors, pistons, rings, valves	40.2	39.6	38.8	38.7	-	2.7	1.9	1.9	1.5	-
3599	Machinery, except electrical, nec	40.7	39.9	39.2	38.7	-	3.8	3.3	2.3	2.1	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	40.0	39.7	39.1	39.1	38.7	2.3	2.3	1.7	1.8	-
361	Electric distributing equipment	39.6	39.2	38.2	38.5	-	2.8	2.3	1.4	1.7	-
3612	Transformers	41.0	40.5	38.7	39.5	-	2.8	2.6	1.6	2.1	-
3613	Switchgear and switchboard apparatus	38.4	38.1	37.8	37.6	-	2.7	2.1	1.3	1.4	-
362	Electrical industrial apparatus	40.0	39.9	38.4	37.9	-	2.7	2.7	1.7	1.4	-
3621	Motors and generators	39.8	39.5	39.7	39.0	-	2.6	2.4	2.2	1.6	-
3622	Industrial controls	39.4	39.4	37.2	37.2	-	2.5	2.5	1.1	1.2	-
363	Household appliances	39.6	38.8	38.0	38.6	-	2.2	1.9	1.3	1.8	-
3632	Household refrigerators and freezers	42.2	39.3	40.8	40.8	-	2.1	1.5	1.8	2.4	-
3633	Household laundry equipment	37.8	36.8	37.8	37.7	-	1.4	.9	.5	.6	-
3634	Electric housewares and fans	39.4	38.6	36.1	38.5	-	2.4	2.2	1.2	1.9	-
364	Electric lighting and wiring equipment	39.5	39.2	38.7	39.4	-	2.1	1.9	1.5	1.7	-
3641	Electric lamps	41.1	40.5	39.0	41.2	-	2.0	1.6	1.0	1.6	-
3643	Current-carrying wiring devices	39.8	39.4	39.1	38.7	-	2.5	2.4	2.1	1.6	-
3644	Noncurrent-carrying wiring devices	38.9	39.9	38.8	37.7	-	2.4	2.2	.9	1.3	-
3645	Residential lighting fixtures	38.2	37.8	36.4	38.7	-	1.3	1.6	.7	1.5	-
365	Radio and TV receiving equipment	39.7	39.7	39.1	39.2	-	1.6	1.6	1.5	1.3	-
3651	Radio and TV receiving sets	39.5	39.2	39.1	38.9	-	1.5	1.2	1.6	1.3	-
366	Communication equipment	40.6	40.5	39.9	39.7	-	2.3	2.5	1.9	1.0	-
3661	Telephone and telegraph apparatus	41.5	41.4	39.4	39.5	-	2.6	3.0	1.4	1.8	-
3662	Radio and TV communication equipment	40.1	40.0	40.1	39.8	-	2.2	2.2	2.1	2.0	-
367	Electronic components and accessories	39.7	39.6	39.4	39.0	-	2.3	2.4	2.1	1.9	-
3671-3	Electronic tubes	39.4	40.2	40.8	39.2	-	1.7	2.1	1.7	1.8	-
3674	Semiconductors and related devices	40.3	40.2	39.5	39.2	-	2.4	2.6	2.4	2.2	-
3679	Electronic components, nec	39.9	39.7	39.7	39.4	-	2.4	2.4	2.1	2.0	-
369	Misc. electrical equipment and supplies	40.7	39.9	39.1	39.9	-	2.3	2.1	1.4	2.0	-
3691	Storage batteries	41.6	39.4	38.4	40.3	-	2.5	2.3	1.7	2.8	-
3694	Engine electrical equipment	39.7	38.8	38.2	38.9	-	2.1	1.6	1.2	1.7	-
37	TRANSPORTATION EQUIPMENT	40.6	39.9	40.6	40.0	39.2	3.3	2.9	3.0	2.8	-
371	Motor vehicles and equipment	40.9	39.5	41.3	39.7	-	3.1	2.5	3.3	2.8	-
3711	Motor vehicles and car bodies	41.0	39.0	41.9	38.5	-	3.2	2.4	2.6	2.9	-
3713	Truck and bus bodies	40.3	39.7	40.1	39.3	-	2.9	2.1	1.7	1.3	-
3714	Motor vehicle parts and accessories	41.2	39.9	41.2	40.7	-	3.2	2.8	3.3	3.0	-
3715	Truck trailers	38.0	37.9	36.6	38.6	-	1.8	1.6	.6	.7	-
372	Aircraft and parts	40.5	40.8	40.4	40.8	-	3.4	3.3	2.8	3.0	-
3721	Aircraft	39.8	41.0	40.4	40.8	-	3.1	2.9	2.2	2.6	-
3724	Aircraft engines and engine parts	40.4	40.1	39.9	40.4	-	3.3	3.4	3.2	3.3	-
3728	Aircraft equipment, nec	41.9	41.3	41.0	41.1	-	4.2	3.9	3.6	3.6	-
373	Ship and boat building and repairing	40.3	40.0	39.6	39.8	-	3.8	3.9	2.5	2.9	-
3731	Ship building and repairing	40.3	40.1	39.7	40.0	-	3.9	3.9	2.6	3.2	-
3732	Boat building and repairing	40.2	39.5	39.1	39.3	-	3.7	3.7	2.0	1.5	-
374	Railroad equipment	39.4	38.6	37.3	37.8	-	2.3	2.3	1.2	1.1	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
	TRANSPORTATION EQUIPMENT—Continued										
376	Guided missiles, space vehicles, parts	\$408.22	\$402.38	\$436.91	\$452.51	-	\$10.03	\$10.11	\$10.95	\$11.21	-
3761	Guided missiles and space vehicles	416.07	412.09	443.37	465.22	-	10.35	10.38	11.14	11.21	-
379	Miscellaneous transportation equipment	311.52	310.87	358.83	344.08	-	7.73	7.89	8.86	8.89	-
3792	Travel trailers and campers	268.52	253.50	291.46	264.53	-	6.85	6.87	7.61	7.69	-
38	INSTRUMENTS AND RELATED PRODUCTS	305.02	306.64	328.25	337.16	\$334.57	7.55	7.59	8.31	8.45	\$8.67
381	Engineering and scientific instruments	318.33	322.79	340.90	338.75	-	7.86	7.97	8.48	8.49	-
382	Measuring and controlling devices	312.36	308.10	333.37	353.03	-	7.60	7.57	8.57	8.87	-
3822	Environmental controls	277.03	281.85	289.50	303.01	-	7.14	7.19	7.72	7.95	-
3823	Process control instruments	312.60	318.75	334.11	323.87	-	7.39	7.50	8.27	8.22	-
3825	Instruments to measure electricity	339.39	325.97	366.83	411.64	-	8.10	7.97	9.43	10.04	-
383	Optical instruments and lenses	329.11	326.73	342.05	361.00	-	8.29	8.23	8.53	8.98	-
384	Medical instruments and supplies	256.10	259.65	271.21	277.60	-	6.50	6.59	6.99	7.01	-
3841	Surgical and medical instruments	256.64	258.89	269.50	264.52	-	6.40	6.44	7.00	7.16	-
3842	Surgical appliances and supplies	256.47	261.61	273.52	272.92	-	6.61	6.76	6.96	6.98	-
385	Ophthalmic goods	224.47	227.26	231.77	243.36	-	5.64	5.71	6.02	6.13	-
386	Photographic equipment and supplies	398.62	410.44	435.75	433.30	-	9.77	9.89	10.50	10.62	-
387	Watches, clocks, and watchcases	225.76	228.28	237.00	242.75	-	5.73	5.75	6.14	6.13	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	231.84	234.14	244.48	246.27	248.83	5.96	6.05	6.40	6.38	6.8P
391	Jewelry, silverware, and plated ware	248.06	252.59	253.82	259.50	-	6.46	6.51	6.86	6.92	-
3911	Jewelry, precious metal	247.03	255.74	248.04	254.77	-	6.57	6.66	6.89	6.98	-
393	Musical instruments	232.62	232.54	246.54	251.42	-	5.98	6.04	6.21	6.48	-
394	Toys and sporting goods	216.54	220.74	231.04	233.64	-	5.51	5.66	5.97	5.93	-
3942, 4	Dolls, games, toys, and children's vehicles	206.70	204.91	219.79	221.09	-	5.30	5.35	5.65	5.64	-
3949	Sporting and athletic goods, nec	227.13	238.40	241.78	246.31	-	5.75	5.99	6.28	6.22	-
395	Pens, pencils, office and art supplies	248.47	241.70	260.02	261.35	-	6.12	6.15	6.65	6.65	-
396	Costume jewelry and notions	195.83	201.88	203.87	214.50	-	5.14	5.23	5.54	5.41	-
3961	Costume jewelry	180.42	188.82	188.03	190.88	-	4.85	4.93	5.18	5.01	-
399	Miscellaneous manufactures	249.23	249.06	260.99	261.50	-	6.44	6.52	6.85	6.81	-
3993	Signs and advertising displays	267.42	273.66	281.18	281.25	-	6.91	7.04	7.38	7.23	-
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	298.45	300.89	312.05	312.44	314.81	7.48	7.56	7.88	7.87	7.8P
201	Meat products	295.71	300.13	295.93	292.92	-	7.43	7.56	7.53	7.53	-
2011	Meat packing plants	369.00	379.13	368.33	366.13	-	9.00	9.18	8.94	8.93	-
2013	Sausages and other prepared meats	354.56	353.42	362.58	358.93	-	8.82	8.88	9.11	9.11	-
2016	Poultry dressing plants	187.39	187.56	190.46	187.76	-	4.88	4.91	5.12	5.13	-
202	Dairy products	311.82	329.22	338.16	325.36	-	7.55	7.82	8.09	8.12	-
2022	Cheese, natural and processed	284.80	296.21	313.34	304.15	-	7.12	7.48	7.68	7.70	-
2026	Fluid milk	327.76	349.92	355.73	350.28	-	7.86	8.10	8.37	8.40	-
203	Preserved fruits and vegetables	271.32	260.13	265.18	276.71	-	6.80	6.67	6.87	6.97	-
2032	Canned specialties	304.30	315.75	327.22	357.08	-	7.28	7.50	8.02	8.19	-
2033	Canned fruits and vegetables	285.42	263.07	264.81	274.40	-	7.10	6.66	6.79	7.00	-
2037	Frozen fruits and vegetables	244.38	250.10	252.56	254.23	-	6.25	6.53	6.56	6.42	-
204	Grain mill products	357.84	371.91	391.35	385.84	-	8.40	8.53	9.08	9.10	-
2041	Flour and other grain mill products	381.49	395.87	419.98	421.74	-	8.44	8.55	9.13	9.31	-
2048	*Prepared feeds, nec	284.14	295.67	309.40	298.91	-	6.67	6.86	7.08	7.10	-
205	Bakery products	300.99	308.27	319.58	318.57	-	7.90	8.07	8.41	8.45	-
2051	Bread, cake, and related products	305.90	310.84	321.48	321.38	-	8.05	8.18	8.55	8.57	-
2052	Cookies and crackers	288.37	299.54	313.60	311.00	-	7.49	7.74	8.00	8.12	-
206	Sugar and confectionery products	288.68	291.67	319.60	326.38	-	7.29	7.31	8.01	7.98	-
2061, 3	Cane and beet sugar	368.94	374.96	379.20	401.85	-	8.58	8.72	9.34	9.50	-
2065	Confectionery products	240.38	245.24	275.73	277.69	-	6.41	6.42	7.07	7.03	-
207	Fats and oils	331.80	344.80	356.93	352.38	-	7.90	8.00	8.32	8.37	-
208	Beverages	368.51	374.14	397.03	398.52	-	9.01	9.17	9.66	9.72	-
2082	Malt beverages	519.78	525.34	577.70	561.56	-	12.23	12.39	13.25	13.09	-
2086	Bottled and canned soft drinks	278.39	271.44	300.29	305.04	-	6.84	6.82	7.36	7.44	-
209	Misc. foods and kindred products	246.51	244.12	256.36	262.71	-	6.47	6.58	6.91	6.95	-
21	TOBACCO MANUFACTURES	354.09	352.15	383.46	361.73	370.91	8.70	8.76	10.42	9.47	9.7P
211	Cigarettes	447.69	458.90	431.30	454.96	-	10.84	11.22	11.72	11.91	-
22	TEXTILE MILL PRODUCTS	225.44	221.34	216.13	222.91	223.85	5.65	5.69	5.81	5.87	5.8P
221	Weaving mills, cotton	241.57	238.60	215.28	226.48	-	5.95	5.95	5.98	5.96	-
222	Weaving mills, synthetics	249.60	242.00	227.67	237.55	-	6.00	5.99	6.17	6.17	-
223	Weaving and finishing mills, wool	241.12	232.64	233.38	242.48	-	5.81	5.73	6.24	6.17	-
224	Narrow fabric mills	201.68	202.64	212.46	212.35	-	5.08	5.13	5.49	5.57	-
225	Knitting mills	199.16	193.20	199.23	202.29	-	5.20	5.25	5.37	5.38	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	40.7	39.8	39.9	41.1	-	3.4	2.6	2.7	3.4	-
3761	Guided missiles and space vehicles	40.2	39.7	39.8	41.5	-	3.1	2.4	2.5	3.6	-
379	Miscellaneous transportation equipment	40.3	39.4	40.5	39.1	-	2.2	2.1	3.5	2.7	-
3792	Travel trailers and campers	39.2	36.9	38.3	37.0	-	2.1	1.2	1.9	1.4	-
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	40.4	40.4	39.5	39.9	39.5	2.2	2.4	1.4	1.6	-
381	Measuring and controlling devices	40.5	40.5	40.2	39.9	-	2.7	3.3	1.7	1.7	-
382	Environmental controls	41.1	40.7	38.9	39.8	-	2.1	2.2	1.0	1.1	-
3822	Process control instruments	38.8	39.2	37.5	38.6	-	1.7	1.7	.9	1.0	-
3823	Instruments to measure electricity	42.3	42.5	40.4	39.4	-	2.5	3.2	1.2	1.0	-
3825	Optical instruments and lenses	41.9	40.9	38.9	41.0	-	2.0	1.9	.9	1.0	-
383	Medical instruments and supplies	39.7	39.7	40.1	40.2	-	2.4	2.5	1.9	1.7	-
384	Surgical and medical instruments	39.4	39.4	38.8	39.6	-	2.3	2.5	1.7	2.0	-
3841	Surgical appliances and supplies	40.1	40.2	38.5	40.3	-	2.4	2.5	1.8	2.6	-
3842	Ophthalmic goods	38.8	38.7	39.3	39.1	-	2.4	2.7	1.7	1.6	-
385	Photographic equipment and supplies	39.8	39.8	38.5	39.7	-	1.3	1.6	1.1	1.6	-
386	Watches, clocks, and watchcases	40.8	41.5	41.5	41.8	-	2.3	2.6	2.0	1.8	-
387	Watches, clocks, and watchcases	39.4	39.7	38.6	39.6	-	2.0	2.2	1.2	1.9	-
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	38.9	38.7	38.2	38.6	38.4	1.9	2.2	1.3	1.6	-
391	Jewelry, precious metal	38.4	38.8	37.0	37.5	-	1.9	2.2	.5	1.4	-
3911	Musical instruments	37.6	36.4	36.0	36.5	-	2.0	2.2	.6	1.3	-
393	Toys and sporting goods	38.9	38.5	39.7	38.8	-	1.2	1.3	.3	.7	-
394	Dolls, games, toys, and children's vehicles	39.3	39.0	38.7	39.4	-	2.1	2.5	1.4	1.7	-
3942, 4	Sporting and athletic goods, nec	39.0	38.3	38.9	39.2	-	2.1	2.3	.9	1.3	-
3949	Pens, pencils, office and art supplies	39.5	39.8	38.5	39.6	-	2.1	2.7	1.8	2.0	-
395	Costume jewelry and notions	40.6	39.3	39.1	39.3	-	2.4	1.8	1.6	1.7	-
396	Costume jewelry and notions	38.1	38.6	36.8	37.8	-	1.8	2.1	1.6	2.1	-
3961	Miscellaneous manufactures	37.2	36.3	36.3	38.1	-	1.5	2.0	2.4	2.8	-
399	Signs and advertising displays	38.7	38.2	38.1	38.4	-	1.9	2.1	1.5	1.6	-
3993	Signs and advertising displays	38.7	38.9	38.1	38.9	-	2.3	2.6	1.6	1.8	-
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20	Meat products	39.9	39.8	39.6	39.7	39.9	4.0	4.2	3.7	3.9	-
201	Meat packing plants	39.8	39.7	39.3	38.9	-	3.7	3.8	3.4	3.3	-
2011	Sausages and other prepared meats	41.0	41.3	41.2	41.0	-	4.4	5.1	4.2	4.4	-
2013	Poultry dressing plants	40.2	39.8	39.8	39.4	-	3.7	3.6	3.6	3.3	-
2016	Dairy products	38.4	38.2	37.2	36.6	-	3.0	2.4	2.4	2.3	-
202	Cheese, natural and processed	41.3	42.1	41.8	41.3	-	3.9	4.6	4.3	4.0	-
2022	Fluid milk	40.0	39.6	40.8	39.5	-	3.2	3.5	3.6	3.0	-
2026	Preserved fruits and vegetables	41.7	43.2	42.5	41.7	-	4.3	5.5	4.6	4.2	-
203	Canned specialties	39.9	39.0	38.6	39.7	-	4.6	4.5	4.1	5.1	-
2032	Canned fruits and vegetables	41.8	42.1	40.8	43.6	-	4.9	5.1	3.1	6.0	-
2033	Frozen fruits and vegetables	40.2	39.5	39.0	39.2	-	5.2	5.1	4.9	5.5	-
2037	Grain mill products	39.1	38.3	38.5	39.6	-	4.4	4.7	4.0	5.1	-
204	Flour and other grain mill products	42.6	43.6	43.1	42.4	-	5.6	6.3	5.4	5.0	-
2041	Prepared feeds, nec	45.2	46.3	46.0	45.3	-	5.8	7.1	6.1	6.0	-
2048	Bakery products	42.6	43.1	43.7	42.1	-	5.8	6.1	5.8	5.0	-
205	Bread, cake, and related products	38.1	38.2	38.0	37.7	-	3.1	3.5	2.9	2.8	-
2051	Cookies and crackers	38.0	38.0	37.6	37.5	-	3.3	3.9	3.2	3.0	-
2052	Sugar and confectionery products	38.5	38.7	39.2	38.3	-	2.4	2.5	2.1	2.2	-
206	Cane and beet sugar	39.6	39.9	39.9	40.9	-	2.7	3.3	2.6	3.2	-
2061-3	Confectionery products	43.0	43.0	40.6	42.3	-	3.8	5.0	4.0	4.5	-
2065	Fats and oils	37.5	38.2	39.0	39.5	-	2.1	2.6	2.0	2.3	-
207	Malt beverages	42.0	43.1	42.9	42.1	-	5.1	5.7	5.2	4.8	-
208	Bottled and canned soft drinks	40.9	40.8	41.1	41.0	-	4.4	4.5	4.1	3.9	-
2082	Misc. foods and kindred products	42.5	42.4	43.6	42.9	-	6.4	6.7	6.1	5.1	-
2086	Cigarettes	40.7	39.8	40.8	41.0	-	4.4	3.5	3.8	4.1	-
209	Cigarettes	38.1	37.1	37.1	37.8	-	3.4	3.3	3.3	3.6	-
TOBACCO MANUFACTURES											
21	Cigarettes	40.7	40.2	36.8	38.4	39.5	2.5	2.5	1.4	2.0	-
211	Cigarettes	41.3	40.9	36.8	38.2	-	2.8	3.2	1.6	1.7	-
TEXTILE MILL PRODUCTS											
22	Weaving mills, cotton	39.9	38.9	37.2	38.3	38.2	3.2	2.7	1.9	2.2	-
221	Weaving mills, synthetics	40.6	40.1	36.0	38.0	-	3.6	3.2	1.8	2.0	-
222	Weaving and finishing mills, wool	41.6	40.4	36.9	38.5	-	3.9	3.1	1.8	1.9	-
223	Narrow fabric mills	41.5	40.6	37.4	39.3	-	4.5	3.3	2.7	2.8	-
224	Knitting mills	39.7	39.5	38.7	38.4	-	2.7	2.1	1.4	1.7	-
225	Knitting mills	38.3	36.8	37.1	37.6	-	2.4	1.9	1.7	2.1	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
TEXTILE MILL PRODUCTS—Continued											
2251	Women's hosiery, except socks	\$188.48	\$183.82	\$196.32	\$197.25	-	\$4.96	\$5.05	\$5.18	\$5.26	-
2252	Hosiery, nec	185.17	179.34	192.46	192.10	-	4.86	4.90	5.23	5.15	-
2253	Knit outerwear mills	194.44	187.61	194.40	197.17	-	5.09	5.14	5.24	5.23	-
2254	Knit underwear mills	182.77	178.21	177.66	180.43	-	4.98	5.02	5.12	5.17	-
2257	Circular knit fabric mills	230.29	230.63	223.61	232.65	-	5.92	5.98	5.90	5.95	-
226	Textile finishing, except wool	241.79	238.37	232.37	239.47	-	5.97	6.05	6.18	6.22	-
2261	Finishing plants, cotton	243.61	244.99	237.70	238.32	-	6.06	6.14	6.19	6.19	-
2262	Finishing plants, synthetics	253.59	241.64	228.55	247.00	-	6.17	6.26	6.42	6.50	-
227	Floor covering mills	230.62	222.34	228.31	233.36	-	5.78	5.79	6.04	6.03	-
228	Yarn and thread mills	210.40	208.21	202.20	210.48	-	5.34	5.38	5.45	5.51	-
2281	Yarn mills, except wool	212.12	207.13	201.25	209.66	-	5.37	5.38	5.41	5.46	-
2282	Throwing and winding mills	196.86	206.72	192.75	202.83	-	5.10	5.26	5.31	5.39	-
229	Miscellaneous textile goods	255.85	254.16	257.54	263.71	-	6.18	6.26	6.52	6.56	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	180.05	177.41	183.02	182.85	\$181.48	4.96	5.04	5.17	5.18	\$5.20
231	Men's and boys' suits and coats	206.96	208.15	213.96	204.04	-	5.67	5.75	5.96	5.98	-
232	Men's and boys' furnishings	168.52	164.88	172.90	171.84	-	4.53	4.58	4.75	4.76	-
2321	Men's and boys' shirts and nightwear	164.72	158.55	167.34	165.29	-	4.44	4.53	4.61	4.63	-
2327	Men's and boys' separate trousers	168.18	170.09	173.99	173.02	-	4.57	4.66	4.86	4.86	-
2328	Men's and boys' work clothing	169.67	162.87	171.92	173.96	-	4.43	4.45	4.71	4.74	-
233	Women's and misses' outerwear	171.00	165.79	172.03	171.86	-	5.00	5.07	5.12	5.13	-
2331	Women's and misses' blouses and waists	161.24	159.13	161.11	163.68	-	4.66	4.75	4.59	4.80	-
2335	Women's and misses' dresses	169.44	163.39	173.96	169.13	-	5.15	5.22	5.32	5.22	-
2337	Women's and misses' suits and coats	190.71	184.90	193.30	189.81	-	5.56	5.62	5.77	5.70	-
2339	Women's and misses' work clothing, nec	167.20	162.92	166.07	170.13	-	4.75	4.82	4.87	4.96	-
234	Women's and children's undergarments	167.61	167.17	161.58	165.43	-	4.53	4.58	4.67	4.66	-
2341	Women's and children's underwear	165.84	165.97	159.38	164.32	-	4.47	4.51	4.58	4.59	-
2342	Brassieres and allied garments	174.24	172.83	171.36	172.89	-	4.80	4.91	5.10	5.07	-
236	Children's outerwear	165.53	164.61	170.28	165.32	-	4.56	4.65	4.73	4.71	-
2361	Children's dresses and blouses	163.35	161.81	169.22	163.40	-	4.55	4.61	4.74	4.75	-
238	Misc. apparel and accessories	184.26	180.68	184.25	188.28	-	4.94	4.95	5.19	5.23	-
239	Misc. fabricated textile products	223.68	223.06	227.05	234.78	-	5.75	5.87	6.12	6.13	-
2391	Curtains and draperies	170.69	166.73	158.00	169.56	-	4.48	4.47	4.62	4.71	-
2392	House furnishing, nec	191.95	190.68	191.88	195.68	-	4.96	4.95	5.20	5.20	-
2396	Automotive and apparel trimmings	398.67	393.12	425.06	439.77	-	9.70	10.08	10.60	10.70	-
26	PAPER AND ALLIED PRODUCTS	367.61	386.64	391.46	393.65	401.15	8.67	8.95	9.41	9.44	9.67
261, 2, 6	Paper and pulp mills	451.42	495.36	487.08	484.40	-	10.19	10.63	11.02	11.11	-
262	Paper mills, except building paper	452.93	503.13	492.35	488.85	-	10.11	10.57	10.99	11.06	-
263	Paperboard mills	446.61	490.82	463.56	475.73	-	10.22	10.74	11.09	11.22	-
264	Misc. converted paper products	314.00	317.34	333.28	336.15	-	7.64	7.74	8.27	8.30	-
2641	Paper coating and glazing	365.08	375.78	392.92	394.37	-	8.59	8.78	9.40	9.48	-
2642	Envelopes	288.05	281.90	256.74	305.47	-	7.06	7.03	7.57	7.59	-
2643	Bags, except textile bags	296.70	295.14	314.24	320.17	-	7.29	7.36	7.74	7.73	-
265	Paperboard containers and boxes	316.58	316.00	332.90	334.96	-	7.61	7.67	8.24	8.23	-
2651	Folding paperboard boxes	321.68	319.30	336.56	342.77	-	7.77	7.75	8.31	8.34	-
2653	Corrugated and solid fiber boxes	338.40	336.94	352.06	357.70	-	8.00	8.08	8.65	8.64	-
2654	Sanitary food containers	298.50	295.53	324.53	315.50	-	7.04	7.07	7.82	7.79	-
27	PRINTING AND PUBLISHING	309.38	313.04	322.51	326.11	330.85	8.25	8.37	8.74	8.79	8.87
271	Newspapers	282.74	291.88	254.92	294.48	-	8.39	8.61	8.91	8.97	-
272	Periodicals	290.63	284.53	322.54	341.86	-	7.75	7.69	8.91	9.02	-
273	Books	294.52	295.22	299.89	311.81	-	7.63	7.81	8.04	8.12	-
2731	Book publishing	284.93	283.02	288.77	301.34	-	7.42	7.67	7.89	7.93	-
2732	Book printing	305.75	308.46	313.24	322.82	-	7.86	7.95	8.20	8.32	-
274	Miscellaneous publishing	274.54	273.78	292.88	303.69	-	7.40	7.46	7.81	8.12	-
275	Commercial printing	333.68	336.30	345.85	351.12	-	8.60	8.69	9.03	9.12	-
2751	Commercial printing, letterpress	308.77	312.46	325.18	322.54	-	8.02	8.18	8.58	8.66	-
2752	Commercial printing, lithographic	345.15	347.88	352.90	355.97	-	8.85	8.92	9.19	9.27	-
276	Manifold business forms	330.89	331.17	343.69	344.47	-	8.17	8.30	8.79	8.81	-
278	Blankbooks and bookbinding	240.14	245.12	258.10	258.10	-	6.27	6.40	6.81	6.81	-
279	Printing trade services	392.43	393.34	404.74	409.73	-	10.30	10.27	10.54	10.67	-
28	CHEMICALS AND ALLIED PRODUCTS	380.47	395.84	407.81	406.41	421.26	9.19	9.38	10.02	10.01	10.20
281	Industrial inorganic chemicals	425.60	447.32	449.15	447.33	-	10.33	10.55	11.09	11.10	-
2819	Industrial inorganic chemicals, nec	424.73	449.01	450.64	450.87	-	10.41	10.64	11.21	11.30	-
282	Plastics materials and synthetics	379.61	406.08	357.39	395.78	-	9.06	9.25	9.91	9.92	-
2821	Plastics materials and resins	415.38	439.75	439.85	438.11	-	9.89	10.04	10.65	10.71	-
2824	Organic fibers, noncellulosic	360.32	387.63	372.33	372.56	-	8.62	8.77	9.45	9.48	-
283	Drugs	340.30	350.99	366.43	368.04	-	8.30	8.54	9.07	9.11	-
2834	Pharmaceutical preparations	322.40	331.68	347.69	352.63	-	8.06	8.21	8.78	8.86	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
TEXTILE MILL PRODUCTS—Continued											
2251	Women's hosiery, except socks	38.0	36.4	37.9	37.5	-	2.3	2.0	1.9	2.0	-
2252	Hosiery, nec	38.1	36.6	36.8	37.3	-	2.2	1.8	1.9	1.7	-
2253	Knit outerwear mills	38.2	36.5	37.1	37.7	-	2.4	1.9	1.8	2.2	-
2254	Knit underwear mills	36.7	35.5	34.7	34.9	-	1.4	1.6	.7	.9	-
2257	Circular knit fabric mills	38.9	38.6	37.9	39.1	-	2.4	1.6	1.7	3.0	-
226	Textile finishing, except wool	40.5	39.4	37.6	38.5	-	3.6	3.2	1.7	2.3	-
2261	Finishing plants, cotton	40.2	39.9	38.4	38.5	-	3.3	3.3	1.5	2.0	-
2262	Finishing plants, synthetics	41.1	38.6	35.6	38.0	-	4.0	3.0	1.8	2.8	-
227	Floor covering mills	39.9	38.4	37.8	38.7	-	3.7	2.9	2.0	2.3	-
228	Yarn and thread mills	39.4	38.7	37.1	38.2	-	2.9	2.9	2.0	2.6	-
2281	Yarn mills, except wool	39.5	38.5	37.2	38.4	-	3.1	2.8	2.0	2.5	-
2282	Throwing and winding mills	38.6	39.3	36.3	37.7	-	2.7	3.5	1.8	2.4	-
229	Miscellaneous textile goods	41.4	40.6	39.5	40.2	-	3.8	3.3	2.3	2.8	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	36.3	35.2	35.4	35.3	34.9	1.3	1.1	.9	1.0	-
231	Men's and boys' suits and coats	36.5	36.2	35.9	34.7	-	.8	.8	.6	.8	-
232	Men's and boys' furnishings	37.2	36.0	36.4	36.1	-	1.1	.8	.9	.9	-
2321	Men's and boys' shirts and nightwear	37.1	35.0	36.3	35.7	-	1.0	.7	.9	1.1	-
2327	Men's and boys' separate trousers	36.8	36.5	35.8	35.6	-	1.1	.9	1.0	.9	-
2328	Men's and boys' work clothing	38.3	36.6	36.5	36.7	-	1.2	.9	1.1	1.0	-
233	Women's and misses' outerwear	34.2	32.7	33.6	33.5	-	1.1	.9	1.0	1.0	-
2331	Women's and misses' blouses and waists	34.6	33.5	35.1	34.1	-	1.1	.8	1.0	1.1	-
2335	Women's and misses' dresses	32.9	31.3	32.7	32.4	-	1.0	.8	1.0	.9	-
2337	Women's and misses' suits and coats	34.3	32.9	33.5	33.3	-	1.0	.9	.9	.9	-
2339	Women's and misses' outerwear, nec	35.2	33.8	34.1	34.3	-	1.2	.9	.9	1.0	-
234	Women's and children's undergarments	37.0	36.5	34.6	35.5	-	1.5	1.6	.7	.8	-
2341	Women's and children's underwear	37.1	36.8	34.8	35.8	-	1.5	1.6	.7	.8	-
2342	Brassieres and allied garments	36.3	35.2	33.6	34.1	-	1.5	1.5	.5	.5	-
236	Children's outerwear	36.3	35.4	36.0	35.1	-	1.8	1.2	1.0	1.3	-
2361	Children's dresses and blouses	35.9	35.1	35.7	34.4	-	1.3	1.2	1.1	1.2	-
238	Misc. apparel and accessories	37.3	36.5	35.5	36.0	-	1.6	1.4	.8	1.1	-
239	Misc. fabricated textile products	38.9	38.0	37.1	38.3	-	2.1	1.8	1.2	1.7	-
2391	Curtains and draperies	38.1	37.3	34.2	36.0	-	1.4	1.3	.6	.9	-
2392	House furnishings, nec.	38.7	38.4	36.9	38.4	-	2.1	2.0	1.0	1.7	-
2396	Automotive and apparel trimmings	41.1	39.0	40.1	41.1	-	2.8	2.2	2.5	3.7	-
26	PAPER AND ALLIED PRODUCTS	42.4	43.2	41.6	41.7	41.7	4.5	5.6	4.0	4.0	-
261, 2, 6	Paper and pulp mills	44.3	46.6	44.2	43.6	-	6.2	8.9	5.9	5.6	-
262	Paper mills, except building paper	44.8	47.6	44.8	44.2	-	6.4	9.3	6.0	5.8	-
263	Paperboard mills	43.7	45.7	41.8	42.4	-	6.8	9.6	6.0	6.3	-
264	Misc. converted paper products	41.1	41.0	40.3	40.5	-	2.9	3.0	2.4	2.6	-
2641	Paper coating and glazing	42.5	42.8	41.8	41.6	-	3.2	3.3	2.2	2.3	-
2642	Envelopes	40.8	40.1	39.2	40.3	-	2.8	2.3	1.8	2.3	-
2643	Bags, except textile bags	40.7	40.1	40.6	41.1	-	3.0	3.2	2.6	2.9	-
265	Paperboard containers and boxes	41.6	41.2	40.4	40.7	-	3.8	3.7	3.1	3.7	-
2651	Folding paperboard boxes	41.4	41.2	40.5	41.1	-	3.8	3.6	3.0	3.0	-
2653	Corrugated and solid fiber boxes	42.3	41.7	40.7	41.4	-	4.3	4.3	3.5	3.9	-
2654	Sanitary food containers	42.4	41.8	41.5	40.5	-	3.5	3.1	3.3	2.6	-
27	PRINTING AND PUBLISHING	37.5	37.4	36.9	37.1	37.3	2.6	2.7	2.1	2.3	-
271	Newspapers	33.7	33.9	33.1	33.2	-	1.6	1.9	1.3	1.3	-
272	Periodicals	37.5	37.0	36.2	37.9	-	2.3	2.8	1.9	2.5	-
273	Books	38.6	37.8	37.3	38.4	-	2.5	2.3	1.7	2.3	-
2731	Book publishing	38.4	36.9	36.6	38.0	-	1.7	1.2	.9	1.5	-
2732	Book printing	38.9	38.8	38.2	38.8	-	3.4	3.4	2.6	3.2	-
274	Miscellaneous publishing	37.1	36.7	37.5	37.4	-	2.0	2.1	1.3	1.7	-
275	Commercial printing	38.8	38.7	38.3	38.5	-	3.1	3.3	2.5	2.8	-
2751	Commercial printing, letterpress	38.5	38.2	37.9	38.4	-	2.3	2.7	2.1	2.4	-
2752	Commercial printing, lithographic	39.0	39.0	38.4	38.4	-	3.5	3.7	2.5	2.9	-
276	Manifold business forms	40.5	39.9	39.1	39.1	-	3.2	3.4	2.3	2.1	-
278	Blankbooks and bookbinding	38.3	38.3	37.9	37.9	-	1.6	1.8	1.3	1.4	-
279	Printing trade service	38.1	38.3	38.4	38.4	-	3.8	3.6	3.6	3.8	-
28	CHEMICALS AND ALLIED PRODUCTS	41.4	42.2	40.7	40.6	41.3	3.3	3.7	2.7	2.7	-
281	Industrial inorganic chemicals	41.2	42.4	40.5	40.3	-	3.3	4.1	2.7	2.9	-
2819	Industrial inorganic chemicals, nec	40.8	42.2	40.2	39.9	-	3.1	4.1	2.8	2.9	-
282	Plastics materials and synthetics	41.9	43.9	40.1	40.3	-	3.6	4.1	2.5	2.4	-
2821	Plastics materials and resins	42.0	43.8	41.3	41.0	-	4.4	5.2	3.4	3.3	-
2824	Organic fibers, noncellulosic	41.8	44.2	39.4	39.3	-	3.2	3.7	1.7	1.5	-
283	Drugs	41.0	41.1	40.4	40.4	-	2.7	3.2	2.4	2.6	-
2834	Pharmaceutical preparations	40.0	40.4	39.6	39.8	-	2.7	3.1	2.4	2.6	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	\$339.76	\$342.50	\$368.55	\$377.39	-	\$8.41	\$8.52	\$9.10	\$9.16	-
2841	Soap and other detergents	461.49	469.11	499.73	512.46	-	10.91	11.09	11.87	11.89	-
2844	Toilet preparations	251.55	254.49	265.32	292.40	-	6.50	6.61	7.26	7.31	-
2842, 3	Polishing, sanitation, and finishing preparations	347.30	344.76	357.82	360.33	-	8.45	8.45	8.77	8.81	-
285	Paints and allied products	324.81	326.40	355.20	349.67	-	8.10	8.16	8.88	8.83	-
286	Industrial organic chemicals	457.69	481.14	504.00	491.88	-	10.82	11.01	12.00	11.91	-
2869	Cyclic crudes and intermediates	421.82	447.20	479.55	463.32	-	10.14	10.40	11.50	11.44	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	470.73	493.68	511.94	501.70	-	11.05	11.22	12.16	12.06	-
287	Agricultural chemicals	383.66	395.54	410.18	403.44	-	9.07	9.22	9.86	9.94	-
289	Miscellaneous chemical products	346.42	357.25	375.19	368.15	-	8.47	8.65	9.31	9.25	-
29	PETROLEUM AND COAL PRODUCTS	486.76	512.82	546.48	549.32	\$557.66	11.32	11.55	12.42	12.40	\$12.56
291	Petroleum refining	520.99	551.82	589.18	590.96	-	12.06	12.29	13.36	13.34	-
295	Paving and roofing materials	387.10	388.67	425.70	440.72	-	8.94	9.06	9.46	9.56	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	292.09	289.41	302.94	303.31	305.73	7.23	7.29	7.65	7.64	7.74
301	Tires and inner tubes	474.24	464.62	473.80	468.73	-	11.40	11.36	11.67	11.66	-
302	Rubber and plastics footwear	175.96	168.70	184.14	165.88	-	4.73	4.82	4.95	4.97	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	327.54	322.00	325.19	321.19	-	7.95	8.05	8.15	8.07	-
306	Fabricated rubber products, nec	271.88	271.26	287.73	289.48	-	6.78	6.85	7.34	7.31	-
307	Miscellaneous plastics products	265.58	264.67	277.29	278.69	-	6.59	6.65	7.02	7.02	-
31	LEATHER AND LEATHER PRODUCTS	183.39	183.24	181.33	194.21	192.77	4.97	5.09	5.30	5.35	5.42
311	Leather tanning and finishing	261.62	259.20	275.41	282.43	-	6.59	6.75	7.08	7.15	-
314	Footwear, except rubber	174.36	173.73	181.20	184.53	-	4.79	4.88	5.09	5.14	-
3143	Men's footwear, except athletic	185.87	187.98	185.33	193.67	-	5.01	5.15	5.28	5.35	-
3144	Women's footwear, except athletic	167.08	164.38	180.64	180.79	-	4.68	4.71	5.06	5.05	-
316	Luggage	197.84	199.29	196.06	215.80	-	5.22	5.49	5.65	5.77	-
317	Handbags and personal leather goods	173.43	171.72	183.00	179.69	-	4.70	4.81	4.88	4.95	-
-	TRANSPORTATION AND PUBLIC UTILITIES	389.87	390.04	403.37	409.11	410.03	9.87	9.95	10.29	10.41	10.46
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	447.72	462.21	485.83	-	-	10.66	10.65	11.54	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	268.05	225.77	270.47	276.40	-	7.11	6.78	7.41	7.45	-
411	Local and suburban transportation	295.32	292.59	309.23	309.60	-	7.31	7.37	7.75	7.74	-
413	Intercity highway transportation	429.75	400.00	442.23	446.25	-	11.25	10.84	11.92	11.99	-
42	TRUCKING AND WAREHOUSING	393.61	389.05	393.34	358.22	-	9.99	10.08	10.27	10.29	-
421, 3	Trucking and trucking terminals	403.30	397.58	401.00	406.35	-	10.21	10.30	10.47	10.50	-
422	Public warehousing	269.40	267.40	289.09	280.32	-	6.89	7.00	7.47	7.30	-
46	PIPE LINES, EXCEPT NATURAL GAS	482.72	502.14	543.52	534.66	-	11.20	11.57	12.64	12.73	-
48	COMMUNICATION	393.20	405.02	395.60	409.76	-	9.83	10.05	9.99	10.40	-
481	Telephone communication	413.70	426.13	416.00	435.41	-	10.24	10.47	10.40	10.94	-
4817	Switchboard operating employees ³	284.97	308.38	301.53	313.58	-	8.26	8.59	8.74	9.25	-
4818	Line construction employees ⁴	524.92	542.01	512.40	545.27	-	11.93	12.18	12.00	12.74	-
483	Radio and television broadcasting	314.12	324.61	321.58	321.86	-	8.31	8.52	8.53	8.56	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	410.18	417.13	443.81	443.62	-	9.98	10.10	10.72	10.92	-
491	Electric services	418.74	424.32	456.87	452.50	-	10.09	10.20	10.93	10.93	-
492	Gas production and distribution	369.77	377.58	393.98	393.78	-	9.13	9.30	9.68	9.92	-
493	Combination utility services	462.89	470.72	500.14	511.29	-	11.29	11.37	12.11	12.41	-
495	Sanitary services	323.14	341.40	352.19	357.28	-	7.92	8.09	8.59	8.63	-
-	WHOLESALE AND RETAIL TRADE	194.83	194.49	202.45	202.77	200.93	5.94	6.04	6.21	6.22	6.26
50, 51	WHOLESALE TRADE	296.06	296.45	312.31	312.66	311.00	7.65	7.70	8.07	8.10	8.12
50	WHOLESALE TRADE-DURABLE GOODS	298.72	297.22	312.00	313.17	-	7.64	7.68	8.00	8.03	-
501	Motor vehicles and automotive equipment	272.69	268.66	279.03	279.08	-	7.01	7.07	7.21	7.23	-
502	Furniture and home furnishings	261.85	264.46	275.28	280.48	-	7.02	7.09	7.40	7.42	-
503	Lumber and construction materials	312.84	306.54	312.42	308.87	-	7.94	7.82	7.97	7.94	-
504	Sporting goods, toys, and hobby goods	299.30	302.73	323.76	332.35	-	7.96	8.03	8.52	8.61	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	40.4	40.2	40.5	41.2	-	3.2	3.0	2.5	3.1	-
2841	Soap and other detergents	42.3	42.3	42.1	43.1	-	4.4	4.1	3.8	4.4	-
2844	Toilet preparations	38.7	38.5	39.3	40.0	-	2.3	2.3	1.8	2.4	-
2842, 3	Polishing, sanitation, and finishing preparations	41.1	40.8	40.8	40.9	-	3.2	3.0	2.3	2.8	-
285	Paints and allied products	40.1	40.0	40.0	39.6	-	2.7	2.6	2.6	2.2	-
286	Industrial organic chemicals	42.3	43.7	42.0	41.3	-	3.8	4.2	3.2	2.7	-
2865	Cyclic crudes and intermediates	41.6	43.0	41.7	40.5	-	3.4	4.1	2.4	2.4	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	42.6	44.0	42.1	41.6	-	3.9	4.3	3.4	2.8	-
287	Agricultural chemicals	42.3	42.9	41.6	41.0	-	4.0	4.4	3.5	3.1	-
289	Miscellaneous chemical products	40.9	41.3	40.3	39.8	-	3.0	3.3	2.4	2.7	-
29	PETROLEUM AND COAL PRODUCTS	43.0	44.4	44.0	44.3	44.4	3.8	4.1	4.1	4.3	-
291	Petroleum refining	43.2	44.9	44.1	44.3	-	3.4	3.9	3.4	3.6	-
295	Paving and roofing materials	43.3	42.9	45.0	46.1	-	5.9	5.6	7.6	8.1	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	40.4	39.7	39.6	39.7	39.5	3.2	3.1	2.7	2.8	-
301	Tires and inner tubes	41.6	40.9	40.6	40.2	-	3.7	3.0	2.9	3.0	-
302	Rubber and plastics footwear	37.2	35.0	37.2	37.4	-	2.0	1.4	1.4	1.3	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	41.2	40.0	39.9	39.8	-	3.1	2.8	2.9	2.1	-
306	Fabricated rubber products, nec	40.1	39.6	39.2	39.6	-	2.7	2.7	2.4	2.3	-
307	Miscellaneous plastics products	40.3	39.8	39.5	39.7	-	3.2	3.3	2.7	2.9	-
31	LEATHER AND LEATHER PRODUCTS	36.9	36.0	36.1	36.3	35.5	1.5	1.3	1.2	1.3	-
311	Leather tanning and finishing	39.7	38.4	38.9	39.5	-	2.9	2.3	2.0	2.5	-
314	Footwear, except rubber	36.4	35.6	35.6	35.9	-	1.2	.9	1.1	1.2	-
3143	Men's footwear, except athletic	37.1	36.5	35.1	36.2	-	1.3	.9	.8	.9	-
3144	Women's footwear, except athletic	35.7	34.9	35.7	35.8	-	1.2	1.0	1.4	1.4	-
316	Luggage	37.9	36.3	34.7	37.4	-	1.3	1.2	2.0	1.4	-
317	Handbags and personal leather goods	36.9	35.7	37.5	36.3	-	1.9	1.8	1.5	.9	-
-	TRANSPORTATION AND PUBLIC UTILITIES	39.5	39.2	39.2	39.3	39.2	-	-	-	-	-
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	42.0	43.4	42.1	-	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	37.7	33.3	36.5	37.1	-	-	-	-	-	-
411	Local and suburban transportation	40.4	38.7	39.9	40.0	-	-	-	-	-	-
413	Intercity highway transportation	38.2	36.9	37.1	37.5	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	39.4	38.6	38.3	38.7	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	39.5	38.6	38.3	38.7	-	-	-	-	-	-
422	Public warehousing	39.1	38.2	38.7	38.4	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	43.1	43.4	43.0	42.0	-	-	-	-	-	-
48	COMMUNICATION	40.0	40.3	39.6	39.4	-	-	-	-	-	-
481	Telephone communication	40.4	40.7	40.0	39.8	-	-	-	-	-	-
4817	Switchboard operating employees ³	34.5	35.9	34.5	33.9	-	-	-	-	-	-
4818	Line construction employees ⁴	44.0	44.5	42.7	42.8	-	-	-	-	-	-
483	Radio and television broadcasting	37.8	38.1	37.7	37.6	-	-	-	-	-	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.1	41.3	41.4	41.0	-	-	-	-	-	-
491	Electric services	41.5	41.6	41.8	41.4	-	-	-	-	-	-
492	Gas production and distribution	40.5	40.6	40.7	40.1	-	-	-	-	-	-
493	Combination utility services	41.0	41.4	41.3	41.2	-	-	-	-	-	-
495	Sanitary services	40.8	42.2	41.0	41.4	-	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE	32.8	32.2	32.6	32.6	32.2	-	-	-	-	-
50, 51	WHOLESALE TRADE	38.7	38.5	38.7	38.6	38.3	-	-	-	-	-
50	WHOLESALE TRADE-DURABLE GOODS	39.1	38.7	39.0	39.0	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	38.9	38.0	38.7	38.6	-	-	-	-	-	-
502	Furniture and home furnishings	37.3	37.3	37.2	37.8	-	-	-	-	-	-
503	Lumber and construction materials	39.4	39.2	39.2	38.9	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	37.6	37.7	38.0	38.6	-	-	-	-	-	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	\$350.06	\$348.38	\$353.47	\$358.02	-	\$8.84	\$8.91	\$9.11	\$9.11	-
506	Electrical goods	316.61	315.79	340.16	341.99	-	8.16	8.16	8.59	8.69	-
507	Hardware, plumbing, and heating equipment	276.83	277.59	290.25	291.75	-	7.08	7.21	7.50	7.50	-
508	Machinery, equipment, and supplies	309.68	308.11	324.26	324.62	-	7.84	7.88	8.23	8.26	-
509	Miscellaneous durable goods	243.04	242.06	250.42	249.29	-	6.28	6.32	6.66	6.63	-
51	WHOLESALE TRADE-NONDURABLE GOODS	291.46	293.75	312.09	311.22	-	7.67	7.71	8.17	8.19	-
511	Paper and paper products	314.50	314.64	329.25	329.63	-	8.50	8.55	8.78	8.79	-
512	Drugs, proprietaries, and sundries	306.90	307.56	334.40	335.63	-	8.25	8.29	8.87	8.95	-
513	Apparel, piece goods, and notions	252.59	250.43	268.63	275.26	-	6.79	6.75	7.38	7.49	-
514	Groceries and related products	292.61	296.83	313.86	315.65	-	7.66	7.73	8.11	8.22	-
516	Chemicals and allied products	350.24	353.99	377.13	371.91	-	9.05	9.10	9.77	9.61	-
517	Petroleum and petroleum products	362.46	370.12	384.87	382.14	-	9.13	9.23	9.67	9.65	-
518	Beer, wine, and distilled beverages	333.37	332.63	357.93	355.75	-	9.01	8.99	9.70	9.72	-
519	Miscellaneous nondurable goods	239.23	241.04	253.75	255.08	-	6.23	6.31	6.66	6.66	-
52-59	RETAIL TRADE	162.23	162.17	168.24	168.24	\$166.65	5.25	5.37	5.48	5.48	\$5.50
52	BUILDING MATERIALS AND GARDEN SUPPLIES	216.00	214.97	224.32	223.01	-	5.76	5.81	6.03	6.06	-
521	Lumber and other building materials	235.59	234.30	241.88	240.38	-	6.01	6.07	6.25	6.26	-
525	Hardware stores	175.58	174.24	184.28	181.82	-	5.06	5.08	5.25	5.27	-
53	GENERAL MERCHANDISE STORES	154.28	161.80	161.76	161.22	-	5.16	5.34	5.41	5.41	-
531	Department stores	159.13	167.81	167.44	166.91	-	5.34	5.52	5.60	5.62	-
533	Variety stores	125.04	128.04	130.52	126.00	-	4.21	4.40	4.38	4.20	-
539	Misc. general merchandise stores	132.25	130.16	135.60	134.42	-	4.28	4.31	4.36	4.35	-
54	FOOD STORES	219.74	225.14	231.19	229.01	-	6.91	7.17	7.27	7.27	-
541	Grocery stores	229.12	235.53	241.28	238.58	-	7.16	7.43	7.54	7.55	-
546	Retail bakeries	145.53	141.98	147.21	149.30	-	4.90	4.93	4.99	5.01	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	234.46	229.02	238.14	237.51	-	6.17	6.14	6.30	6.30	-
551, 2	New and used car dealers	277.59	269.42	278.89	280.04	-	7.21	7.09	7.32	7.35	-
553	Auto and home supply stores	231.74	227.77	247.66	247.83	-	5.68	5.68	6.07	6.03	-
554	Gasoline service stations	175.21	171.42	181.44	180.07	-	4.84	4.87	5.04	5.03	-
56	APPAREL AND ACCESSORY STORES	136.16	136.80	141.43	139.97	-	4.60	4.75	4.86	4.81	-
561	Men's and boys' clothing and furnishings	168.68	167.77	177.28	172.80	-	5.19	5.36	5.54	5.40	-
562	Women's ready-to-wear stores	122.82	122.16	127.75	124.82	-	4.34	4.41	4.53	4.49	-
565	Family clothing stores	132.73	130.75	142.59	141.12	-	4.53	4.62	4.85	4.89	-
566	Shoe stores	138.82	147.39	142.43	144.54	-	4.69	5.10	4.98	4.95	-
57	FURNITURE AND HOME FURNISHINGS STORES	210.14	209.50	215.90	217.63	-	5.97	6.02	6.24	6.29	-
571	Furniture and home furnishings stores	210.70	210.63	214.09	216.49	-	6.02	6.07	6.26	6.33	-
572	Household appliance stores	221.08	221.79	233.64	231.34	-	6.21	6.23	6.60	6.49	-
573	Radio, television, and music stores	202.00	200.33	209.90	212.45	-	5.69	5.79	5.98	6.07	-
58	EATING AND DRINKING PLACES	107.29	103.88	109.89	111.38	-	3.93	3.98	4.07	4.08	-
59	MISCELLANEOUS RETAIL	163.01	161.41	169.91	171.40	-	5.11	5.19	5.36	5.39	-
591	Drug stores and proprietary stores	142.03	143.66	151.68	151.85	-	4.75	4.92	5.09	5.13	-
594	Miscellaneous shopping goods stores	150.10	146.17	155.06	155.43	-	4.75	4.84	4.97	4.95	-
596	Nonstore retailers	198.58	195.47	204.27	207.13	-	5.91	5.87	6.19	6.22	-
598	Fuel and ice dealers	259.46	259.62	270.51	267.25	-	6.81	6.85	7.10	7.07	-
599	Retail stores, nec	170.17	168.61	179.40	185.90	-	5.22	5.22	5.42	5.50	-
	FINANCE, INSURANCE, AND REAL ESTATE	232.23	230.04	245.44	249.02	247.71	6.38	6.39	6.78	6.96	6.90
60	BANKING	200.75	197.29	213.59	216.75	-	5.47	5.45	5.82	5.99	-
602	Commercial and stock savings banks	197.98	194.39	209.39	211.44	-	5.38	5.37	5.69	5.73	-
61	CREDIT AGENCIES OTHER THAN BANKS	210.73	206.79	220.70	225.83	-	5.68	5.65	6.03	6.12	-
612	Savings and loan associations	193.98	190.44	200.63	205.62	-	5.30	5.29	5.62	5.69	-
614	Personal credit institutions	211.86	207.75	224.55	228.89	-	5.68	5.63	6.02	6.12	-
63	INSURANCE CARRIERS	266.70	266.38	283.79	286.81	-	7.15	7.18	7.67	7.71	-
631	Life insurance	284.26	283.09	290.12	292.43	-	7.56	7.61	7.82	7.94	-
632	Medical service and health insurance	247.03	249.38	270.46	274.13	-	6.57	6.58	7.29	7.31	-
633	Fire, marine, and casualty insurance	255.39	254.37	281.12	282.56	-	6.94	6.95	7.66	7.71	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P	
	WHOLESALE TRADE-DURABLE GOODS—Continued											
505	Metals and minerals, except petroleum	39.6	39.1	38.8	39.3	-	-	-	-	-	-	-
506	Electrical goods	38.8	38.7	39.6	39.4	-	-	-	-	-	-	-
507	Hardware, plumbing, and heating equipment	39.1	38.5	38.7	38.9	-	-	-	-	-	-	-
508	Machinery, equipment, and supplies	39.5	39.1	39.4	39.3	-	-	-	-	-	-	-
509	Miscellaneous durable goods	38.7	38.3	37.6	37.6	-	-	-	-	-	-	-
51	WHOLESALE TRADE-NONDURABLE GOODS	38.0	38.1	38.2	38.0	-	-	-	-	-	-	-
511	Paper and paper products	37.0	36.8	37.5	37.5	-	-	-	-	-	-	-
512	Drugs, proprietaries, and sundries	37.2	37.1	37.7	37.5	-	-	-	-	-	-	-
513	Apparel, piece goods, and notions	37.2	37.1	36.4	36.8	-	-	-	-	-	-	-
514	Groceries and related products	38.2	38.4	38.7	38.4	-	-	-	-	-	-	-
516	Chemicals and allied products	38.7	38.9	39.0	38.7	-	-	-	-	-	-	-
517	Petroleum and petroleum products	39.7	40.1	39.8	39.6	-	-	-	-	-	-	-
518	Beer, wine, and distilled beverages	37.0	37.0	36.9	36.6	-	-	-	-	-	-	-
519	Miscellaneous nondurable goods	38.4	38.2	38.1	38.3	-	-	-	-	-	-	-
52-59	RETAIL TRADE	30.9	30.2	30.7	30.7	30.3	-	-	-	-	-	-
52	BUILDING MATERIALS AND GARDEN SUPPLIES	37.5	37.0	37.2	36.8	-	-	-	-	-	-	-
521	Lumber and other building materials	39.2	38.6	38.7	38.4	-	-	-	-	-	-	-
525	Hardware stores	34.7	34.3	35.1	34.5	-	-	-	-	-	-	-
53	GENERAL MERCHANDISE STORES	29.9	30.3	29.9	29.8	-	-	-	-	-	-	-
531	Department stores	29.8	30.4	29.9	29.7	-	-	-	-	-	-	-
533	Variety stores	29.7	29.1	29.8	30.0	-	-	-	-	-	-	-
539	Misc. general merchandise stores	30.9	30.2	31.1	30.9	-	-	-	-	-	-	-
54	FOOD STORES	31.8	31.4	31.8	31.5	-	-	-	-	-	-	-
541	Grocery stores	32.0	31.7	32.0	31.6	-	-	-	-	-	-	-
546	Retail bakeries	29.7	28.8	29.5	29.8	-	-	-	-	-	-	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	38.0	37.3	37.8	37.7	-	-	-	-	-	-	-
551, 2	New and used car dealers	38.5	38.0	38.1	38.1	-	-	-	-	-	-	-
553	Auto and home supply stores	40.8	40.1	40.8	41.1	-	-	-	-	-	-	-
554	Gasoline service stations	36.2	35.2	36.0	35.8	-	-	-	-	-	-	-
56	APPAREL AND ACCESSORY STORES	29.6	28.8	29.1	29.1	-	-	-	-	-	-	-
561	Men's and boys' clothing and furnishings	32.5	31.3	32.0	32.0	-	-	-	-	-	-	-
562	Women's ready-to-wear stores	28.3	27.7	28.2	27.8	-	-	-	-	-	-	-
565	Family clothing stores	29.3	28.3	29.4	29.4	-	-	-	-	-	-	-
566	Shoe stores	29.6	28.9	28.6	29.2	-	-	-	-	-	-	-
57	FURNITURE AND HOME FURNISHINGS STORES	35.2	34.8	34.6	34.6	-	-	-	-	-	-	-
571	Furniture and home furnishings stores	35.0	34.7	34.2	34.2	-	-	-	-	-	-	-
572	Household appliance stores	35.6	35.6	35.4	35.7	-	-	-	-	-	-	-
573	Radio, television, and music stores	35.5	34.6	35.1	35.0	-	-	-	-	-	-	-
58	EATING AND DRINKING PLACES	27.3	26.1	27.0	27.3	-	-	-	-	-	-	-
59	MISCELLANEOUS RETAIL	31.9	31.1	31.7	31.8	-	-	-	-	-	-	-
591	Drug stores and proprietary stores	29.9	29.2	29.8	29.6	-	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	31.6	30.2	31.2	31.4	-	-	-	-	-	-	-
596	Nonstore retailers	33.6	33.3	33.0	33.3	-	-	-	-	-	-	-
598	Fuel and ice dealers	38.1	37.9	38.1	37.8	-	-	-	-	-	-	-
599	Retail stores, nec	32.6	32.3	33.1	33.8	-	-	-	-	-	-	-
-	FINANCE, INSURANCE, AND REAL ESTATE	36.4	36.0	36.2	36.3	35.9	-	-	-	-	-	-
60	BANKING	36.7	36.2	36.7	36.8	-	-	-	-	-	-	-
602	Commercial and stock savings banks	36.8	36.2	36.8	36.9	-	-	-	-	-	-	-
61	CREDIT AGENCIES OTHER THAN BANKS	37.1	36.6	36.6	36.9	-	-	-	-	-	-	-
612	Savings and loan associations	36.6	36.0	35.7	36.2	-	-	-	-	-	-	-
614	Personal credit institutions	37.3	36.9	37.3	37.4	-	-	-	-	-	-	-
63	INSURANCE CARRIERS	37.3	37.1	37.0	37.2	-	-	-	-	-	-	-
631	Life insurance	37.6	37.2	37.1	37.3	-	-	-	-	-	-	-
632	Medical service and health insurance	37.6	37.9	37.1	37.5	-	-	-	-	-	-	-
633	Fire, marine, and casualty insurance	36.8	36.6	36.7	36.7	-	-	-	-	-	-	-

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. 1981	Sept. 1981	July 1982	Aug. 1982 ^F	Sept. 1982 ^P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982 ^F	Sept. 1982 ^P
	SERVICES	\$210.89	\$211.25	\$227.40	\$228.06	\$228.25	\$6.41	\$6.52	\$6.87	\$6.89	\$6.90 ^F
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts ²	151.05	148.96	153.50	155.18	-	4.75	4.90	4.92	4.88	-
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	162.32	165.66	171.83	172.49	-	4.86	4.96	5.16	5.18	-
723	Beauty shops ³	140.87	138.70	160.68	156.06	-	4.68	4.67	5.41	5.29	-
	BUSINESS SERVICES										
73	Advertising	216.48	213.16	230.96	232.27	-	6.58	6.62	7.02	7.06	-
731	Services to buildings	319.97	307.65	331.72	337.59	-	9.09	8.74	9.24	9.43	-
734	Computer and data processing services	147.15	147.40	154.94	154.68	-	5.43	5.50	5.76	5.75	-
737	.....	304.94	301.55	316.11	323.39	-	8.11	8.15	8.59	8.67	-
	AUTO REPAIR, SERVICES, AND GARAGES										
75	Automotive repair shops	250.64	247.21	255.56	254.51	-	6.51	6.54	6.69	6.68	-
753	.....	276.01	273.15	282.57	280.02	-	6.97	7.04	7.19	7.18	-
76	MISCELLANEOUS REPAIR SERVICES	302.22	303.42	312.39	308.77	-	7.69	7.82	8.01	8.02	-
	MOTION PICTURES										
78	Motion picture production and services	205.34	217.85	231.83	234.34	-	7.36	8.19	8.25	8.31	-
781	.....	419.10	440.63	476.48	490.30	-	11.00	11.75	13.09	13.04	-
79	AMUSEMENT AND RECREATION SERVICES	185.15	186.36	188.48	182.21	-	5.75	6.11	5.89	5.73	-
	HEALTH SERVICES										
80	Offices of physicians	211.86	211.90	234.13	232.69	-	6.42	6.48	7.01	7.03	-
801	Offices of dentists	211.88	211.86	218.28	219.10	-	6.58	6.60	6.80	6.89	-
802	Nursing and personal care facilities	183.74	180.41	191.87	191.76	-	6.38	6.33	6.78	6.80	-
805	Hospitals	142.87	145.07	156.98	155.03	-	4.55	4.62	4.86	4.86	-
806	.....	237.01	236.94	265.18	262.89	-	6.91	7.01	7.62	7.62	-
81	LEGAL SERVICES	284.20	278.17	305.89	306.75	-	8.31	8.11	8.79	8.84	-
	MISCELLANEOUS SERVICES										
89	Engineering and architectural services	363.47	360.81	398.09	404.56	-	9.54	9.52	10.26	10.40	-
891	Accounting, auditing, and bookkeeping	396.47	394.88	431.74	437.27	-	10.14	10.23	10.93	11.07	-
893	.....	305.25	301.88	328.42	334.90	-	8.25	8.05	8.62	8.79	-

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.

⁵ Money payments only; tips, not included.

⁶ Data for nonoffice sales agents excluded from all series in this division.

- Data not available.

p = preliminary.

NOTE: Data from April 1981 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustment" in the Explanatory Notes of this publication.

**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. 1981	Sept. 1981	July 1982	Aug. 1982 ^P	Sept. 1982 ^P	Aug. 1981	Sept. 1981	July 1982	Aug. 1982 ^P	Sept. 1982 ^P
	SERVICES	32.9	32.4	33.1	33.1	32.7	-	-	-	-	-
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts ⁵	31.8	30.4	31.2	31.8	-	-	-	-	-	-
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	33.4	33.4	33.3	33.3	-	-	-	-	-	-
723	Beauty shops ⁵	30.1	29.7	29.7	29.5	-	-	-	-	-	-
	BUSINESS SERVICES	32.9	32.2	32.9	32.9	-	-	-	-	-	-
731	Advertising	35.2	35.2	35.9	35.8	-	-	-	-	-	-
734	Services to buildings	27.1	26.8	26.9	26.9	-	-	-	-	-	-
737	Computer and data processing services	37.6	37.0	36.8	37.3	-	-	-	-	-	-
	AUTO REPAIR, SERVICES, AND GARAGES	38.5	37.8	38.2	38.1	-	-	-	-	-	-
753	Automotive repair shops	39.6	38.8	39.3	39.0	-	-	-	-	-	-
76	MISCELLANEOUS REPAIR SERVICES	39.3	38.8	39.0	38.5	-	-	-	-	-	-
	MOTION PICTURES	27.9	26.6	28.1	28.2	-	-	-	-	-	-
781	Motion picture production and services	38.1	37.5	36.4	37.6	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	32.2	30.5	32.0	31.8	-	-	-	-	-	-
	HEALTH SERVICES	33.0	32.7	33.4	33.1	-	-	-	-	-	-
801	Offices of physicians	32.2	32.1	32.1	31.8	-	-	-	-	-	-
802	Offices of dentists	28.8	28.5	28.3	28.2	-	-	-	-	-	-
805	Nursing and personal care facilities	31.4	31.4	32.3	31.9	-	-	-	-	-	-
806	Hospitals	34.3	33.8	34.8	34.5	-	-	-	-	-	-
81	LEGAL SERVICES	34.2	34.3	34.8	34.7	-	-	-	-	-	-
	MISCELLANEOUS SERVICES	38.1	37.9	38.8	38.9	-	-	-	-	-	-
891	Engineering and architectural services	39.1	38.6	39.5	39.5	-	-	-	-	-	-
893	Accounting, auditing, and bookkeeping	37.0	37.5	38.1	38.1	-	-	-	-	-	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
MANUFACTURING	\$7.74	\$7.87	\$8.31	\$8.26	\$8.32
DURABLE GOODS	8.29	8.41	8.87	8.85	8.91
Lumber and wood products	6.88	6.95	7.39	7.38	-
Furniture and fixtures	5.84	5.87	6.22	6.25	-
Stone, clay, and glass products	8.02	8.13	8.54	8.52	-
Primary metal industries	10.58	10.78	11.08	11.21	-
Fabricated metal products	7.97	8.06	8.63	8.63	-
Machinery, except electrical	8.50	8.63	9.08	9.11	-
Electric and electronic equipment	7.51	7.54	8.00	8.05	-
Transportation equipment	9.97	10.12	10.85	10.81	-
Instruments and related products	7.35	7.37	8.16	8.29	-
Miscellaneous manufacturing industries	5.81	5.89	6.30	6.25	-
NONDURABLE GOODS	6.96	7.08	7.53	7.48	7.55
Food and kindred products	7.12	7.18	7.52	7.49	-
Tobacco manufactures	8.44	8.49	10.22	9.18	-
Textile mill products	5.43	5.49	5.66	5.66	-
Apparel and other textile products	4.88	4.96	5.11	5.10	-
Paper and allied products	8.23	8.41	8.98	9.00	-
Printing and publishing	7.97	8.07	8.50	8.53	-
Chemicals and allied products	8.83	8.98	9.70	9.69	-
Petroleum and coal products	10.85	11.04	11.87	11.82	-
Rubber and misc. plastics products	6.96	7.01	7.40	7.38	-
Leather and leather products	4.88	5.00	5.21	5.26	-

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 workers¹ on private nonagricultural payrolls by industry division, in current and constant (1977) dollars

Industry	Aug. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
TOTAL PRIVATE:					
Current dollars	\$259.88	\$259.74	\$269.98	\$270.69	\$270.05
Constant (1977) dollars	170.64	168.88	167.90	168.03	-
MINING:					
Current dollars	447.30	450.85	463.68	462.40	\$457.75
Constant (1977) dollars	293.70	293.14	288.36	287.03	-
CONSTRUCTION:					
Current dollars	408.41	356.31	438.14	436.54	\$432.47
Constant (1977) dollars	268.16	257.68	272.48	270.97	-
MANUFACTURING:					
Current dollars	320.40	322.32	332.60	331.89	\$333.29
Constant (1977) dollars	210.37	209.57	206.84	206.01	-
TRANSPORTATION AND PUBLIC UTILITIES:					
Current dollars	389.87	390.04	403.37	409.11	\$410.03
Constant (1977) dollars	255.99	253.60	250.85	253.95	-
WHOLESALE AND RETAIL TRADE:					
Current dollars	194.83	194.49	202.45	202.77	\$200.53
Constant (1977) dollars	127.93	126.46	125.90	125.87	-
FINANCE, INSURANCE, AND REAL ESTATE:					
Current dollars	232.23	230.04	245.44	249.02	\$247.71
Constant (1977) dollars	152.48	149.57	152.64	154.57	-
SERVICES:					
Current dollars	210.89	211.25	227.40	228.06	\$228.25
Constant (1977) dollars	138.47	137.35	141.42	141.56	-

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. 1981	Sept. 1981	July 1982	Aug. 1982P	Sept. 1982P
	Hours				
TOTAL PRIVATE	110.4	109.0	106.2	106.0	105.0
GOODS-PRODUCING	103.7	102.8	91.5	91.7	91.4
MINING	145.6	145.0	126.2	123.7	120.1
CONSTRUCTION	118.4	111.5	111.1	110.7	107.3
MANUFACTURING	98.9	99.1	86.1	86.6	86.5
DURABLE GOODS	98.0	98.4	84.0	82.8	82.5
Lumber and wood products.....	91.7	87.6	81.3	82.5	81.8
Furniture and fixtures.....	98.2	96.8	82.6	88.6	88.4
Stone, clay, and glass products.....	94.5	93.1	82.2	82.4	82.6
Primary metal industries.....	91.8	93.3	67.4	66.0	65.4
Fabricated metal products.....	96.7	96.4	81.1	80.9	80.5
Machinery, except electrical.....	108.7	109.8	89.5	86.2	86.7
Electric and electronic equipment.....	105.5	106.1	94.4	93.6	90.1
Transportation equipment.....	85.8	88.7	80.0	74.7	75.6
Instruments and related products.....	114.0	113.7	104.6	105.1	103.6
Miscellaneous manufacturing industries.....	92.8	94.2	80.2	83.8	84.5
NONDURABLE GOODS	100.3	100.1	89.3	92.2	92.5
Food and kindred products.....	105.9	106.2	97.9	102.9	103.8
Tobacco manufactures.....	109.5	112.1	79.6	57.4	100.2
Textile mill products.....	89.7	87.8	72.2	75.5	76.1
Apparel and other textile products.....	96.9	95.0	80.9	85.7	85.4
Paper and allied products.....	100.2	102.4	91.7	92.2	93.2
Printing and publishing.....	106.8	107.2	104.2	104.9	105.9
Chemicals and allied products.....	101.5	103.4	93.9	93.8	95.5
Petroleum and coal products.....	105.8	107.4	98.5	98.6	101.7
Rubber and misc. plastics products.....	102.2	101.4	91.0	92.3	93.0
Leather and leather products.....	92.8	90.0	73.7	79.8	78.1
SERVICE-PRODUCING	114.1	112.5	114.3	113.9	112.5
TRANSPORTATION AND PUBLIC UTILITIES	105.9	106.1	102.2	101.9	102.4
WHOLESALE AND RETAIL TRADE	108.9	107.5	108.0	107.6	106.4
WHOLESALE TRADE	113.0	112.0	110.6	109.8	108.6
RETAIL TRADE	107.4	105.8	107.0	106.8	105.5
FINANCE, INSURANCE, AND REAL ESTATE	119.6	117.0	119.2	118.9	116.5
SERVICES	121.7	119.4	124.8	124.3	122.3

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. 1981	Sept. 1981	July 1982	Aug. 1982 ² /	Sept. 1982 ² /
	Payrolls				
TOTAL PRIVATE	153.6	153.8	155.3	155.4	155.2
GOODS-PRODUCING	147.1	147.5	138.5	138.5	139.0
MINING	212.4	214.3	198.3	194.0	190.8
CONSTRUCTION	159.5	152.4	158.2	158.5	155.1
MANUFACTURING	139.9	142.4	129.7	129.8	131.5
DURABLE GOODS	138.8	141.2	126.2	124.2	125.3
Lumber and wood products	128.3	123.1	121.9	123.4	123.0
Furniture and fixtures	135.5	134.1	120.7	130.4	130.0
Stone, clay, and glass products	136.9	136.7	126.4	126.5	128.5
Primary metal industries	136.3	141.4	103.5	102.7	102.5
Fabricated metal products	135.3	136.0	121.4	121.3	121.9
Machinery, except electrical	153.7	157.2	133.1	128.6	129.9
Electric and electronic equipment	151.2	152.6	143.2	143.0	145.2
Transportation equipment	122.2	127.7	123.4	114.7	116.7
Instruments and related products	162.6	163.1	164.3	167.8	165.9
Miscellaneous manufacturing industries	126.8	130.7	117.8	122.7	125.5
NONDURABLE GOODS	141.9	144.3	135.8	139.7	142.5
Food and kindred products	147.4	149.5	143.4	150.6	152.6
Tobacco manufactures	171.8	177.2	149.6	165.5	169.8
Textile mill products	127.2	125.3	105.2	110.2	111.9
Apparel and other textile products	132.6	132.0	115.5	122.5	122.6
Paper and allied products	145.7	153.7	144.8	146.1	150.4
Printing and publishing	143.9	146.5	148.7	150.7	153.5
Chemicals and allied products	145.0	150.7	146.2	145.9	151.3
Petroleum and coal products	153.0	158.4	156.2	156.2	163.1
Rubber and misc. plastics products	142.8	142.8	134.7	136.2	139.1
Leather and leather products	127.9	127.0	108.2	118.3	117.5
SERVICE-PRODUCING	158.2	158.2	167.1	167.3	166.6
TRANSPORTATION AND PUBLIC UTILITIES	149.6	151.0	150.5	151.8	153.3
WHOLESALE AND RETAIL TRADE	151.3	151.8	156.9	156.5	155.2
WHOLESALE TRADE	160.4	159.8	165.5	164.9	163.7
RETAIL TRADE	146.4	147.5	152.3	151.9	150.7
FINANCE, INSURANCE, AND REAL ESTATE	168.0	164.6	177.9	179.6	177.0
SERVICES	167.8	167.4	184.4	184.1	183.5

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED HOURS**

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

Industry	1981				1982								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. p	Sept. p
TOTAL PRIVATE	35.0	35.1	35.1	35.0	34.4	35.0	34.9	34.9	35.0	34.9	34.9	34.8	34.8
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	39.4	39.5	39.3	39.1	37.6	39.4	39.0	39.0	39.1	39.2	39.2	39.0	38.6
<i>Overtime hours</i>	2.7	2.7	2.5	2.4	2.3	2.4	2.3	2.4	2.3	2.4	2.4	2.4	2.2
DURABLE GOODS	39.7	40.0	39.7	39.5	38.2	39.8	39.5	39.5	39.6	39.7	39.7	39.4	39.7
<i>Overtime hours</i>	2.7	2.6	2.4	2.3	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.1
Lumber and wood products	37.6	37.8	37.7	37.7	35.0	37.9	37.6	37.6	38.5	38.7	38.6	38.3	38.1
Furniture and fixtures	37.4	38.0	37.6	37.9	33.6	37.7	37.3	37.4	37.5	37.8	37.6	38.0	37.2
Stone, clay, and glass products	40.3	40.1	40.1	39.7	38.6	40.1	40.0	40.0	40.2	40.4	40.6	40.3	40.2
Primary metal industries	40.6	40.0	39.6	39.2	38.3	39.4	38.8	38.5	38.5	38.9	38.9	38.9	37.7
Fabricated metal products	39.6	40.0	39.7	39.5	38.1	39.7	39.5	39.4	39.5	39.4	39.5	39.1	39.5
Machinery, except electrical	40.3	40.8	40.7	40.4	35.3	40.7	40.2	40.1	39.8	39.6	39.8	39.4	38.8
Electric and electronic equipment	39.7	39.8	39.4	39.5	38.3	39.8	39.4	39.3	39.4	39.5	39.8	39.3	38.7
Transportation equipment	40.1	40.6	40.4	39.7	39.0	40.5	40.4	41.1	41.1	41.6	41.0	40.5	39.5
Instruments and related products	40.4	40.3	40.2	39.9	39.0	39.9	39.9	39.9	40.2	40.2	40.1	40.1	39.5
Miscellaneous manufacturing ind	38.4	38.9	39.0	38.5	37.3	38.6	38.6	38.5	38.7	38.6	38.7	38.6	39.1
NONDURABLE GOODS	38.9	38.9	38.7	38.6	36.8	38.9	38.5	38.4	38.5	38.6	38.6	38.5	39.5
<i>Overtime hours</i>	2.8	2.8	2.7	2.6	2.5	2.6	2.5	2.6	2.5	2.5	2.6	2.6	2.6
Food and kindred products	39.3	39.5	39.5	39.8	39.1	40.2	39.5	39.4	39.4	39.5	39.5	39.2	39.4
Tobacco manufactures	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products	38.8	39.0	38.7	37.8	32.3	38.3	37.6	37.7	37.9	37.8	37.7	38.2	39.1
Apparel and other textile products	35.2	35.5	35.5	35.1	31.4	35.5	35.0	34.7	34.8	35.1	35.2	34.9	35.0
Paper and allied products	43.0	42.4	42.0	41.8	41.3	42.3	41.8	42.1	41.8	42.0	41.9	41.8	41.5
Printing and publishing	37.1	37.1	37.1	37.1	36.9	37.4	37.1	37.1	36.8	37.1	37.0	36.8	37.1
Chemicals and allied products	42.2	41.5	41.2	41.3	41.0	41.2	40.7	40.7	41.0	41.0	40.9	40.8	41.3
Petroleum and coal products	43.1	42.2	42.5	42.7	44.3	43.5	43.5	44.0	44.1	44.1	43.3	44.2	43.0
Rubber and misc. plastics products	39.7	39.9	39.6	39.4	37.9	40.0	39.6	39.8	39.9	40.1	40.2	39.7	39.5
Leather and leather products	36.2	36.7	36.5	36.1	34.1	35.6	35.8	35.6	35.6	35.7	36.1	36.1	35.7
TRANSPORTATION AND PUBLIC UTILITIES	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
WHOLESALE AND RETAIL TRADE	32.1	32.0	32.1	32.0	31.7	32.0	31.9	31.7	32.0	31.9	31.9	31.9	32.1
WHOLESALE TRADE	38.5	38.4	38.5	38.4	38.1	38.5	38.4	38.1	38.5	38.6	38.5	38.5	39.2
RETAIL TRADE	30.1	29.9	30.0	29.9	29.7	29.9	29.8	29.8	30.0	29.8	29.9	29.9	30.2
FINANCE, INSURANCE, AND REAL ESTATE	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
SERVICES	32.5	32.6	32.6	32.6	32.5	32.6	32.6	32.7	32.7	32.7	32.6	32.7	32.8

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

p=preliminary.

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.

ESTABLISHMENT DATA SEASONALLY ADJUSTED

C-7. Indexes of aggregate weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

(1977=100)

Industry division and group	1981					1982							
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^p	Sept. ^p
TOTAL PRIVATE	107.8	107.7	107.3	106.3	104.3	106.2	105.6	105.2	105.7	104.9	104.8	104.1	103.8
GOODS-PRODUCING	99.8	99.7	98.4	96.3	91.4	95.6	93.9	93.0	93.3	91.9	91.4	89.9	89.6
MINING	142.7	143.9	145.0	145.5	141.6	143.7	142.6	138.4	133.6	128.2	125.1	121.4	119.1
CONSTRUCTION	102.4	106.1	106.9	104.2	96.8	102.9	101.1	100.9	104.5	101.0	101.9	100.4	98.6
MANUFACTURING	57.3	96.4	94.6	92.5	88.0	91.9	90.3	89.3	89.2	88.4	87.8	86.4	85.2
DURABLE GOODS	97.4	96.4	94.0	91.4	87.3	90.6	89.1	87.8	87.8	86.7	86.1	84.0	81.9
Lumber and wood products	84.1	81.8	79.2	77.2	70.9	77.5	76.1	77.6	79.5	79.8	79.4	78.5	73.4
Furniture and fixtures	95.6	95.9	93.1	92.6	80.9	90.0	88.3	87.8	88.1	88.5	87.3	89.2	87.1
Stone, clay, and glass products	90.1	88.2	86.6	83.9	79.3	82.4	81.1	80.2	81.1	80.4	80.8	79.9	79.7
Primary metal industries	92.3	88.6	85.4	81.9	78.5	79.7	77.1	73.6	71.0	70.1	68.4	67.2	64.6
Fabricated metal products	95.4	94.2	91.6	89.3	85.1	88.1	87.0	85.8	85.5	84.0	83.9	81.6	79.9
Machinery, except electrical	109.6	110.4	108.7	106.2	101.6	104.4	101.5	99.2	98.0	94.4	92.1	88.8	85.4
Electric and electronic equipment	105.7	104.9	101.5	99.6	97.2	100.4	98.6	97.8	98.0	97.7	97.5	95.2	93.7
Transportation equipment	88.2	87.6	85.4	80.7	78.3	81.8	81.7	81.4	82.3	82.6	83.1	79.3	75.4
Instruments and related products	114.1	113.0	111.7	110.6	107.3	109.3	108.5	107.4	108.5	107.2	106.7	105.6	103.8
Miscellaneous manufacturing ind	50.5	91.1	91.0	89.3	84.8	86.8	86.2	84.2	84.4	83.6	84.1	82.7	81.0
NONDURABLE GOODS	97.2	96.5	95.4	94.1	89.0	93.8	92.0	91.5	91.4	91.0	90.3	90.0	90.2
Food and kindred products	56.3	97.2	97.3	97.7	95.6	98.9	96.8	95.5	96.2	95.4	96.1	94.0	94.1
Tobacco manufactures	98.3	96.1	94.6	92.1	93.6	94.6	93.6	89.6	88.7	91.6	89.8	93.2	87.6
Textile mill products	87.0	85.8	83.9	80.7	67.7	79.9	76.5	78.0	77.0	74.8	74.7	75.2	75.4
Apparel and other textile products	53.4	93.3	92.7	90.5	79.6	90.0	87.7	85.3	85.3	85.8	83.2	84.1	84.3
Paper and allied products	101.6	98.3	96.6	95.2	93.7	95.4	93.9	94.0	92.8	92.5	92.2	91.8	92.3
Printing and publishing	106.7	106.8	106.5	106.5	105.8	107.2	106.7	106.2	105.5	105.9	105.3	104.8	105.6
Chemicals and allied products	103.2	100.9	99.5	98.9	97.6	97.6	96.4	95.3	95.7	94.9	94.0	94.1	95.2
Petroleum and coal products	102.9	100.1	100.0	99.7	98.7	96.1	96.1	96.5	96.7	95.9	94.2	96.1	95.6
Rubber and misc. plastics products	100.6	99.0	96.3	94.3	90.0	94.0	92.3	94.0	94.6	94.9	95.0	92.4	92.3
Leather and leather products	89.3	90.1	88.3	85.1	79.1	79.5	79.5	79.5	78.1	78.4	77.0	78.4	77.5
SERVICE-PRODUCING	112.2	112.1	112.2	111.8	111.4	112.1	112.0	111.9	112.5	112.1	112.2	111.9	112.3
TRANSPORTATION AND PUBLIC UTILITIES	105.2	104.2	104.4	103.6	102.8	103.7	103.3	102.8	102.6	102.2	101.5	101.2	101.5
WHOLESALE AND RETAIL TRADE	106.8	106.2	106.3	105.4	105.2	106.3	105.9	105.5	106.5	105.8	106.1	105.5	105.7
WHOLESALE TRADE	112.0	111.6	111.8	111.0	109.7	110.7	110.2	109.5	110.3	110.0	109.6	109.2	108.4
RETAIL TRADE	104.9	104.1	104.3	103.3	103.4	104.6	104.2	103.9	105.1	104.2	104.7	104.0	104.6
FINANCE, INSURANCE, AND REAL ESTATE	117.4	117.6	117.4	117.4	116.9	116.8	117.1	117.0	117.9	117.4	117.4	117.2	116.7
SERVICES	119.6	120.4	120.6	120.8	120.3	120.9	121.1	121.5	121.8	121.9	121.8	122.1	122.7

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	1981					1982							
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. ^p	Sept. ^p
Hourly Earnings Index ² (1977=100)													
TOTAL PRIVATE (In current dollars)	141.4	142.0	143.0	143.5	144.9	145.0	145.4	146.3	147.7	148.1	148.9	149.8	149.9
MINING ³	151.7	151.4	153.4	153.4	156.2	156.0	156.0	156.5	156.8	159.6	161.3	161.0	162.9
CONSTRUCTION	133.5	134.7	135.7	136.6	139.9	137.9	138.1	138.7	139.9	139.7	140.6	140.7	140.8
MANUFACTURING	144.7	145.4	146.4	146.9	148.9	149.1	149.9	150.8	151.8	152.5	153.3	154.2	154.5
TRANSPORTATION AND PUBLIC UTILITIES	141.5	142.3	143.5	144.3	145.5	146.0	146.3	146.9	148.2	149.1	148.9	150.0	149.7
WHOLESALE AND RETAIL TRADE	141.0	140.5	141.3	141.7	142.1	142.5	142.8	143.7	145.1	145.2	145.7	146.4	146.3
FINANCE, INSURANCE, AND REAL ESTATE	140.4	141.4	142.6	142.0	143.1	143.3	143.8	144.9	148.0	147.2	148.6	150.5	151.3
SERVICES	139.7	140.9	142.2	142.6	143.4	143.7	143.9	145.1	146.5	147.3	148.7	149.6	149.5
TOTAL PRIVATE (In 1977 dollars) ⁴	92.1	92.1	92.3	92.3	92.9	92.8	93.3	93.7	93.7	93.1	93.0	93.2	-
Average hourly earnings													
TOTAL PRIVATE	\$7.37	\$7.40	\$7.45	\$7.46	\$7.52	\$7.53	\$7.54	\$7.59	\$7.65	\$7.67	\$7.71	\$7.73	\$7.72
MINING	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
CONSTRUCTION	\$10.95	\$11.06	\$11.14	\$11.22	\$11.52	\$11.34	\$11.39	\$11.43	\$11.54	\$11.51	\$11.56	\$11.50	\$11.60
MANUFACTURING	8.14	8.16	8.20	8.20	8.38	8.34	8.37	8.44	8.48	8.52	8.56	8.57	8.58
TRANSPORTATION AND PUBLIC UTILITIES	9.86	9.89	9.97	10.02	10.09	10.13	10.15	10.18	10.24	10.30	10.30	10.38	10.37
WHOLESALE AND RETAIL TRADE	6.03	6.03	6.06	6.08	6.09	6.10	6.12	6.16	6.20	6.22	6.23	6.26	6.23
FINANCE, INSURANCE, AND REAL ESTATE	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
SERVICES	\$6.54	\$6.58	\$6.63	\$6.65	\$6.71	\$6.72	\$6.72	\$6.80	\$6.85	\$6.90	\$6.96	\$6.99	\$7.00
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars	257.95	259.74	261.50	261.10	258.69	263.55	263.15	264.89	267.75	267.68	269.08	269.00	268.66
1977 dollars ⁴	168.05	168.44	168.82	167.91	165.93	168.62	168.90	169.69	169.89	168.14	167.97	167.30	

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).

⁵ See footnote 2, table C-6.

p = preliminary.

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

Industry division	Millions of hours (Annual rate) ²			Percent change		
	July 1982	August P1982	September P1982	Sept. 1981 to Sept. 1982	July 1982 to Aug. 1982	Aug. 1982 to Sept. 1982
TOTAL	166,155	165,530	165,084	-1.3	-0.4	-0.3
PRIVATE SECTOR	135,752	135,090	134,750	-3.1	-0.5	-0.3
MINING	2,448	2,382	2,330	-14.5	-2.7	-2.2
CONSTRUCTION	7,558	7,461	7,309	-2.8	-1.3	-2.0
MANUFACTURING	38,580	38,212	37,740	-9.5	-1.0	-1.2
DURABLE GOODS	23,030	22,672	22,233	-12.0	-1.6	-1.9
NONDURABLE GOODS	15,549	15,540	15,507	-5.7	-0.1	-0.2
TRANSPORTATION AND PUBLIC UTILITIES	10,266	10,220	10,234	-3.0	-0.4	0.1
WHOLESALE AND RETAIL TRADE	34,477	34,377	34,500	-0.8	-0.3	0.4
FINANCE, INSURANCE, AND REAL ESTATE	10,088	10,107	10,096	0.7	0.2	-0.1
SERVICES	32,334	32,330	32,540	2.6	0.0	0.7
GOVERNMENT	30,404	30,441	30,334	7.1	0.1	-0.3

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 for Surveys and Studies*, BLS Bulletin 1910—Chapter 30, Productivity Measures: Private 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,
private business sector, seasonally adjusted**

(1977 = 100)

Item	Annual average		Quarterly indexes										
			1979	1980				1981				1982	
	1980	1981	IV	I	II	III	IV	I	II	III	IV	I	II
BUSINESS SECTOR:													
Output per hour of all persons	98.9	100.7	99.1	99.3	98.2	98.9	99.3	100.7	100.7	101.0	100.2	100.0	r100.3
Output	106.2	108.9	107.9	107.9	104.7	105.3	107.0	109.1	109.1	109.6	107.8	106.3	106.4
Hours	107.4	108.2	108.8	108.7	106.6	106.5	107.7	108.3	108.3	108.5	107.5	106.3	106.1
Compensation per hour	131.4	144.1	123.0	126.7	130.0	133.1	136.1	140.0	142.5	145.6	148.2	150.9	r153.4
Real compensation per hour	96.7	96.0	97.8	97.0	96.4	96.9	96.2	96.2	96.4	95.7	95.6	96.5	97.1
Unit labor costs	132.9	143.1	124.1	127.6	132.3	134.7	137.0	139.0	141.5	144.2	147.9	150.9	153.0
Unit nonlabor payments	119.3	135.2	113.2	116.0	116.2	120.6	124.6	131.8	133.4	137.4	138.3	136.4	137.3
Implicit price deflator	128.3	140.4	120.4	123.7	126.9	129.9	132.8	136.5	138.8	141.9	144.6	146.0	147.7
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	98.5	99.9	98.8	98.7	97.6	98.4	99.2	100.4	100.0	100.0	99.1	99.2	99.3
Output	106.3	108.6	108.0	107.9	104.6	105.3	107.3	109.2	109.0	109.1	107.1	106.0	106.0
Hours	108.0	108.7	109.2	109.3	107.2	107.0	108.2	108.8	109.0	109.1	108.1	106.8	106.7
Compensation per hour	130.9	143.6	122.7	126.2	129.3	132.6	135.7	139.5	142.0	145.1	147.7	150.4	152.6
Real compensation per hour	96.3	95.7	97.6	96.6	96.0	96.5	95.9	96.0	96.0	95.4	95.3	96.3	96.6
Unit labor costs	133.0	143.8	124.1	127.8	132.5	134.7	136.8	139.0	141.9	145.1	149.0	151.6	153.7
Unit nonlabor payments	119.1	134.8	111.3	115.2	116.7	120.3	124.4	131.5	132.8	136.7	138.4	136.7	137.4
Implicit price deflator	128.3	140.8	119.8	123.6	127.2	129.9	132.7	136.5	138.9	142.3	145.5	146.6	148.2
MANUFACTURING:													
Output per hour of all persons	101.7	104.5	101.9	102.6	100.4	100.3	103.6	105.2	105.0	105.0	102.8	102.1	102.2
Output	103.6	105.9	107.9	107.8	101.6	99.9	105.0	106.7	107.5	107.4	102.0	98.2	96.8
Hours	101.8	101.3	105.9	105.1	101.1	99.6	101.3	101.5	102.4	102.3	99.2	96.2	94.8
Compensation per hour	132.8	146.4	122.6	127.1	130.9	135.2	138.4	142.6	144.9	147.3	150.7	154.7	157.6
Real compensation per hour	97.7	97.5	97.4	97.3	97.1	98.5	97.8	98.0	97.9	96.8	97.2	99.0	99.7
Unit labor costs	130.6	140.0	120.3	123.9	130.3	134.9	133.6	135.5	138.0	140.3	146.6	151.5	154.3
DURABLE GOODS													
Output per hour of all persons	100.3	103.4	100.7	101.2	99.2	98.3	102.2	104.2	104.0	103.7	101.5	100.3	100.4
Output	103.5	106.1	109.3	108.9	101.4	98.8	104.9	107.0	108.2	107.8	101.6	96.8	95.1
Hours	103.2	102.6	108.5	107.6	102.2	100.4	102.7	102.7	104.0	103.9	100.0	96.5	94.8
Compensation per hour	132.6	146.5	121.6	126.6	130.4	135.0	138.5	142.7	144.7	147.2	151.0	154.8	157.7
Real compensation per hour	97.5	97.6	96.6	96.9	96.8	98.3	97.9	98.2	97.9	96.7	97.4	99.1	99.8
Unit labor costs	132.2	141.6	120.7	125.1	131.4	137.3	135.6	137.0	139.2	142.0	148.7	154.3	157.0
NONDURABLE GOODS													
Output per hour of all persons	104.0	106.2	103.7	104.7	102.3	103.2	105.8	106.7	106.5	107.0	104.6	104.9	104.8
Output	103.7	105.6	105.8	106.2	101.8	101.5	105.1	106.4	106.5	106.9	102.6	100.4	99.3
Hours	99.7	99.4	102.0	101.5	99.5	98.4	99.3	99.7	99.9	99.8	98.1	95.7	94.8
Compensation per hour	132.8	145.6	123.6	127.2	131.3	135.4	137.6	141.8	144.4	146.7	149.6	154.3	157.6
Real compensation per hour	97.7	97.0	98.3	97.3	97.4	98.6	97.2	97.5	97.7	96.5	96.5	98.8	99.7
Unit labor costs	127.7	137.1	119.1	121.5	128.4	131.2	130.1	132.9	135.6	137.1	143.1	147.2	150.4
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	100.8	102.7	100.6	100.8	99.8	101.1	101.7	102.8	102.7	102.8	102.2	102.3	p102.9
Output	108.1	110.7	109.9	109.8	106.5	107.1	109.0	111.0	111.1	111.5	109.4	107.9	p107.6
Hours	107.2	107.9	109.3	109.0	106.6	105.9	107.2	107.9	108.1	108.5	107.0	105.4	p104.6
Compensation per hour	131.6	144.4	123.1	126.8	130.0	133.4	136.3	140.4	142.7	145.7	148.6	151.7	p154.1
Real compensation per hour	96.8	96.2	97.9	97.0	96.4	97.1	96.3	96.5	96.5	95.8	95.9	97.1	p97.5
Total unit costs	131.0	143.4	121.4	125.0	130.4	132.9	135.8	138.3	141.7	144.7	149.1	151.8	p154.0
Unit labor costs	130.5	140.6	122.4	125.8	130.2	131.9	134.1	136.5	138.9	141.7	145.4	148.3	p149.7
Unit nonlabor costs	132.5	151.4	118.7	122.7	131.0	135.7	140.7	143.4	149.6	153.1	159.6	161.8	p166.2
Unit profits	87.9	101.6	84.1	91.1	81.9	87.8	90.5	104.7	98.8	105.2	97.6	86.1	p82.4
Implicit price deflator	126.1	138.6	117.1	121.1	124.8	127.7	130.6	134.5	136.8	140.2	143.2	144.3	p145.8

p=preliminary.
r=revised.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

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

Item	Quarterly percent change						Annual percent change					
	1980 IV to	1981 I to	1981 II to	1981 III to	1981 IV to	1982 I to	1980 I to	1980 II to	1980 III to	1980 IV to	1981 I to	1981 II to
	1981 I	1981 II	1981 III	1981 IV	1982 I	1982 II	1981 I	1981 II	1981 III	1981 IV	1982 I	1982 II
BUSINESS SECTOR:												
Output per hour of all persons	5.6	0.0	1.1	-2.9	-1.0	1.2	1.4	2.5	2.2	0.9	-0.7	-0.4
Output	7.9	-0.1	1.9	-6.4	-5.5	0.4	1.1	4.1	4.1	0.7	-2.6	-2.5
Hours	2.1	-0.1	0.8	-3.6	-4.5	-0.8	-0.4	1.6	1.9	-0.2	-1.9	-2.1
Compensation per hour	11.7	7.5	9.0	7.4	7.3	6.9	10.5	9.7	9.4	8.9	7.8	7.6
Real compensation per hour	0.2	0.5	-2.6	-0.4	3.9	2.2	-0.7	-0.1	-1.3	-0.6	0.3	0.7
Unit labor costs	5.7	7.5	7.8	10.6	8.4	5.6	8.9	6.9	7.1	7.9	8.6	8.1
Unit nonlabor payments	25.0	4.9	12.5	2.9	-5.4	2.7	13.7	14.8	13.9	11.0	3.5	3.0
Implicit price deflator	11.6	6.6	9.3	8.0	3.8	4.7	10.4	9.4	9.2	8.9	6.9	6.4
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	4.9	-1.3	-0.3	-3.5	0.6	0.5	1.7	2.5	1.6	-0.1	-1.1	-0.7
Output	7.2	-0.8	0.3	-7.1	-4.2	0.3	1.2	4.2	3.6	-0.2	-3.0	-2.7
Hours	2.2	0.5	0.6	-3.7	-4.7	-0.1	-0.4	1.6	2.0	-0.1	-1.9	-2.0
Compensation per hour	11.8	7.1	9.0	7.3	7.7	6.0	10.6	9.8	9.4	8.8	7.8	7.5
Real compensation per hour	0.4	0.1	-2.6	-0.5	4.3	1.4	-0.6	0.0	-1.2	-0.6	0.3	0.6
Unit labor costs	6.6	8.6	9.3	11.2	7.1	5.5	8.8	7.1	7.7	8.9	9.0	8.3
Unit nonlabor payments	24.9	4.0	12.1	5.1	-4.6	2.0	14.1	13.8	13.6	11.2	4.0	3.5
Implicit price deflator	12.1	7.1	10.2	9.2	3.3	4.4	10.4	9.2	9.6	9.6	7.4	6.7
MANUFACTURING:												
Output per hour of all persons	6.3	-0.7	-0.1	-8.2	-2.4	0.2	2.6	4.5	4.7	-0.8	-2.9	-2.7
Output	6.9	2.8	-0.4	-18.7	-13.8	-5.7	-1.0	5.8	7.5	-2.9	-8.0	-9.9
Hours	0.5	3.6	-0.3	-11.4	-11.7	-5.8	-3.5	1.2	2.7	-2.1	-5.2	-7.4
Compensation per hour	12.7	6.6	6.8	9.6	11.1	7.8	12.2	10.7	8.9	8.9	8.5	8.8
Real compensation per hour	1.2	-0.4	-4.6	1.6	7.6	3.1	0.8	0.9	-1.7	-0.6	1.0	1.8
Unit labor costs	6.0	7.3	6.8	19.4	13.9	7.7	9.3	5.9	4.0	9.8	11.7	11.8
DURABLE GOODS												
Output per hour of all persons	8.2	-0.7	-1.3	-8.0	-4.9	0.5	3.0	4.8	5.4	-0.6	-3.8	-3.5
Output	8.0	4.5	-1.6	-21.1	-17.5	-6.7	-1.7	6.7	9.1	-3.2	-9.5	-12.0
Hours	-0.2	5.3	-0.3	-14.2	-13.2	-7.1	-4.6	1.8	3.5	-2.6	-6.0	-8.9
Compensation per hour	12.8	5.7	6.9	10.9	10.3	7.7	12.7	11.0	9.0	9.1	8.4	8.9
Real compensation per hour	1.3	-1.2	-4.5	2.9	6.8	2.9	1.3	1.1	-1.6	-0.4	0.9	1.9
Unit labor costs	4.3	6.5	8.3	20.5	15.9	7.1	9.5	5.9	3.4	9.7	12.7	12.8
NONDURABLE GOODS												
Output per hour of all persons	3.5	-0.7	1.8	-8.8	1.1	-0.4	2.0	4.2	3.7	-1.1	-1.7	-1.6
Output	5.2	0.3	1.4	-15.1	-8.3	-4.2	0.1	4.6	5.3	-2.4	-5.6	-6.7
Hours	1.6	1.0	-0.4	-6.9	-9.3	-3.8	-1.8	0.4	1.5	-1.2	-4.0	-5.2
Compensation per hour	12.8	7.6	6.5	8.2	13.2	8.6	11.5	10.0	8.4	8.7	8.8	9.1
Real compensation per hour	1.2	0.6	-4.8	0.3	9.6	3.8	0.2	0.2	-2.2	-0.7	1.3	2.1
Unit labor costs	9.0	8.3	4.6	18.5	12.0	9.0	9.4	5.6	4.5	10.0	10.8	10.9
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	4.7	-0.4	0.3	-2.3	0.5	p2.3	2.1	2.9	1.7	0.6	-0.5	p0.2
Output	7.4	0.6	1.5	-7.5	-5.2	p-1.0	1.0	4.4	4.1	0.3	-2.7	p-3.1
Hours	2.6	0.9	1.2	-5.3	-5.7	p-3.2	-1.0	1.4	2.4	-0.2	-2.3	p-3.3
Compensation per hour	12.4	6.9	8.5	8.3	8.6	p6.4	10.7	9.8	9.2	9.0	8.1	p 8.0
Real compensation per hour	0.9	-0.1	-3.0	0.5	5.2	p1.7	-0.5	0.1	-1.4	-0.5	0.6	p1.0
Total unit costs	7.5	10.2	8.6	12.8	7.4	p6.0	10.6	8.7	8.9	9.8	9.7	p8.7
Unit labor costs	7.4	7.3	8.2	10.9	8.1	p4.0	8.5	6.7	7.5	8.4	8.6	p7.8
Unit nonlabor costs	8.0	18.5	9.8	17.8	5.7	p11.4	16.9	14.2	12.9	13.4	12.8	p11.1
Unit profits	79.5	-20.8	28.4	-25.9	-39.4	p-16.0	14.9	20.7	19.7	7.9	-17.8	p-16.6
Implicit price deflator	12.3	7.1	10.2	8.9	3.0	p4.4	11.0	9.6	9.7	9.6	7.3	p6.6

p=preliminary.
r=revised.

GPO 873-678

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. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P
ALABAMA	\$281.90	\$281.69	\$283.75	40.1	39.8	39.3	\$7.03	\$7.26	\$7.22
Birmingham	304.93	295.37	300.27	39.0	37.2	38.3	7.82	7.94	7.84
Mobile	376.16	386.14	384.89	41.2	41.7	40.6	9.13	9.26	9.48
ALASKA	482.69	(*)	(*)	47.0	(*)	(*)	10.27	(*)	(*)
ARIZONA	322.72	344.82	345.71	39.5	38.7	38.8	8.17	8.91	8.91
ARKANSAS	250.34	262.75	261.12	39.8	39.1	39.8	6.29	6.72	6.73
Fayetteville—Springdale	225.67	231.99	237.73	39.8	38.6	39.1	5.67	6.01	6.08
Fort Smith	250.13	260.14	255.00	38.9	38.2	37.5	6.43	6.81	6.80
Little Rock—North Little Rock	283.20	304.94	307.33	40.0	39.5	39.1	7.08	7.72	7.86
Pine Bluff	333.20	358.85	356.17	42.5	41.2	40.2	7.84	8.71	8.86
CALIFORNIA	346.55	362.16	367.46	39.8	38.9	39.3	8.71	9.31	9.35
COLORADO	332.03	331.43	334.77	40.1	38.9	39.2	8.28	8.52	8.54
Denver—Boulder	329.13	335.40	340.08	39.9	38.8	39.0	8.25	8.67	8.72
CONNECTICUT	316.77	331.60	331.60	41.3	40.0	40.0	7.67	8.29	8.29
Bridgeport	334.55	352.77	350.92	42.2	41.6	40.9	7.93	8.48	8.58
Hartford	334.11	351.43	355.29	41.1	39.8	40.1	8.13	8.83	8.86
New Britain	323.18	339.73	340.98	41.7	40.3	40.4	7.75	8.43	8.44
New Haven—West Haven	302.75	320.30	319.48	40.1	39.3	39.2	7.55	8.15	8.15
Stamford	296.84	305.06	303.34	41.0	39.8	39.6	7.24	7.69	7.66
Waterbury	272.90	271.47	284.78	41.6	39.4	40.8	6.56	6.89	6.98
DELAWARE	327.64	332.73	332.42	40.4	39.6	39.2	8.11	8.62	8.48
Wilmington	378.69	387.34	409.25	39.0	37.9	39.2	9.71	10.22	10.44
DISTRICT OF COLUMBIA:									
Washington SMSA	352.55	352.13	357.72	39.0	37.5	39.3	9.04	9.39	9.34
FLORIDA	266.64	270.78	273.67	40.4	38.3	38.6	6.60	7.07	7.09
Fort Lauderdale—Hollywood	254.15	256.13	270.07	40.6	33.4	39.6	6.26	6.67	6.82
Jacksonville	313.74	295.58	308.39	42.0	37.4	39.5	7.47	7.93	8.01
Lakeland—Winter Haven	303.54	303.35	305.96	42.1	40.5	40.1	7.21	7.49	7.63
Miami	227.85	229.85	231.49	40.4	38.5	38.2	5.64	5.97	6.06
Orlando	293.56	315.83	320.32	42.3	41.2	41.6	6.94	7.69	7.70
Pensacola	325.62	332.87	323.17	41.8	39.3	38.2	7.79	8.47	8.46
Tampa—St. Petersburg	263.87	277.09	272.74	39.8	40.1	39.7	6.63	6.91	6.87
West Palm Beach—Boca Raton	292.63	289.38	285.25	40.7	39.0	33.6	7.19	7.42	7.39
GEORGIA	257.35	262.09	264.60	40.4	38.6	39.2	6.37	6.79	6.75
Atlanta	296.60	315.02	305.85	39.6	38.7	37.9	7.49	8.14	8.07
Savannah	365.92	357.62	371.28	44.3	41.2	42.0	8.26	8.68	8.84
HAWAII	288.79	296.45	289.14	38.2	38.6	37.6	7.56	7.68	7.69
Honolulu	275.52	291.85	282.96	36.7	38.1	35.7	7.51	7.66	7.71
IDAHO	343.00	330.67	339.43	40.4	36.7	37.3	8.49	9.01	9.10
Boise City	292.70	308.85	299.09	39.5	39.8	38.1	7.41	7.76	7.85
ILLINOIS	360.83	361.38	362.60	40.0	38.9	39.2	9.02	9.29	9.25
Bloomington—Normal	323.09	325.24	324.94	38.1	37.6	36.8	8.48	8.65	8.83
Champaign—Urbana—Rantoul	319.23	336.11	330.78	38.7	38.5	37.0	8.25	8.73	8.94
Chicago SMSA	329.04	351.27	356.84	39.5	38.9	39.3	8.33	9.03	9.08
Davenport—Rock Island—Moline	440.89	463.27	465.90	39.4	38.8	38.6	11.19	11.94	12.07
Decatur	426.39	448.15	457.25	39.6	38.7	39.9	10.78	11.58	11.46
Kankakee	295.57	315.36	308.45	37.7	38.3	37.8	7.84	8.26	8.16
Peoria	478.40	451.78	458.11	39.9	36.2	36.3	11.99	12.48	12.62
Rockford	369.15	363.07	378.28	40.3	39.6	40.2	9.16	9.32	9.41
Springfield	399.99	457.33	448.11	39.8	41.5	40.7	10.05	11.02	11.01
INDIANA	380.57	387.30	384.16	40.4	39.4	39.2	9.42	9.83	9.80
Gary—Hammond—East Chicago	514.73	515.04	(*)	40.4	38.9	(*)	12.74	13.24	(*)
Indianapolis	387.20	382.48	(*)	41.5	39.8	(*)	9.33	9.61	(*)
IOWA	376.92	382.23	382.00	39.1	38.3	38.2	9.64	9.98	10.00
Cedar Rapids	376.16	382.31	385.14	38.9	38.5	39.3	9.67	9.93	9.80
Des Moines	400.30	410.51	433.63	39.4	37.8	40.3	10.16	10.86	10.76

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. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P
IOWA—Continued									
Dubuque	\$417.49	\$393.65	\$419.63	38.8	35.4	37.3	\$10.76	\$11.12	\$11.25
Sioux City	282.35	346.60	360.70	37.2	38.9	39.9	7.59	8.91	9.04
Waterloo—Cedar Falls	494.94	483.23	481.34	39.5	37.2	36.8	12.53	12.99	13.08
KANSAS									
Topeka	330.07	348.89	348.96	40.4	39.6	39.7	8.17	8.61	8.79
Wichita	345.71	320.07	331.01	38.8	37.7	38.4	8.91	8.49	8.62
.....	364.01	379.99	395.11	40.9	39.5	40.4	8.90	9.62	9.78
KENTUCKY									
Lexington—Fayette	306.12	317.75	321.21	38.7	38.1	38.7	7.91	8.34	8.30
.....	319.80	377.74	318.36	39.0	40.1	37.9	8.20	9.42	8.40
Louisville	367.35	377.67	379.64	39.5	39.3	39.3	9.30	9.61	9.66
LOUISIANA									
Baton Rouge	368.49	375.01	374.30	42.6	39.6	39.4	8.65	9.47	9.50
New Orleans	447.52	460.94	465.35	42.1	39.6	41.0	10.63	11.64	11.35
Shreveport	365.09	358.98	361.55	41.3	38.6	38.3	8.84	9.30	9.44
.....	328.13	334.03	341.82	41.8	40.1	39.2	7.85	8.33	8.72
MAINE									
Lewiston—Auburn	270.28	296.40	291.13	40.4	40.0	40.1	6.69	7.41	7.26
Portland	212.80	237.08	225.55	38.0	38.3	39.1	5.60	6.19	5.92
.....	245.86	286.77	278.36	38.0	38.7	38.5	6.47	7.41	7.23
MARYLAND									
Baltimore	335.02	344.18	338.13	39.6	39.2	39.0	8.46	8.78	8.67
.....	356.00	369.08	367.75	40.5	39.9	39.8	8.79	9.25	9.24
MASSACHUSETTS									
Boston	281.90	294.88	300.29	40.1	38.8	39.1	7.03	7.60	7.68
Brockton	301.95	318.72	320.69	40.1	39.3	39.3	7.53	8.11	8.16
Fall River	224.45	229.15	239.51	38.7	36.2	37.6	5.80	6.33	6.37
Lawrence—Haverhill	215.04	208.74	213.89	38.4	35.5	36.5	5.60	5.88	5.86
Lowell	297.25	299.88	308.11	41.0	39.2	39.4	7.25	7.65	7.82
New Bedford	254.55	250.22	248.29	39.3	35.9	36.3	6.48	6.97	6.84
Springfield—Chicopee—Holyoke	239.62	266.88	250.56	38.4	38.4	36.0	6.24	6.95	6.96
Worcester	286.05	305.56	307.60	41.1	40.1	40.0	6.96	7.52	7.69
.....	293.38	300.30	299.52	40.3	39.5	38.4	7.28	7.80	7.80
MICHIGAN									
Ann Arbor	426.77	463.56	449.26	40.6	40.7	40.1	10.50	11.40	11.21
Battle Creek	453.10	482.07	461.80	41.0	40.9	39.1	11.05	11.79	11.80
Bay City	427.74	469.77	472.54	40.4	39.3	39.8	10.59	11.97	11.89
Detroit	383.25	391.89	387.43	40.3	40.1	40.0	9.51	9.77	9.69
Flint	459.31	485.73	480.93	41.4	41.1	40.9	11.08	11.81	11.77
Grand Rapids	493.61	565.17	537.06	40.6	42.0	40.5	12.16	13.45	13.27
Jackson	346.98	366.34	365.51	39.3	38.5	39.1	8.82	9.52	9.35
Kalamazoo—Portage	412.22	398.39	409.96	43.5	40.8	41.3	9.47	9.77	9.94
Lansing—East Lansing	396.71	411.84	409.21	40.0	39.4	39.7	9.91	10.45	10.30
Muskegon—Norton Shores—Muskegon Heights	474.48	539.43	468.23	39.2	42.9	39.1	12.10	12.58	11.96
Saginaw	366.63	354.67	376.12	40.5	36.9	39.5	9.06	9.62	9.51
.....	486.64	548.60	506.51	40.0	41.2	39.3	12.15	13.30	12.88
MINNESOTA									
Duluth—Superior	330.62	355.55	352.03	39.5	38.9	38.6	8.37	9.14	9.12
Minneapolis—St. Paul	336.27	348.29	338.45	38.3	38.4	34.5	8.78	9.07	9.81
St. Cloud	353.03	373.83	374.03	39.8	38.9	38.8	8.87	9.61	9.64
.....	254.54	248.42	248.25	35.6	33.3	33.1	7.15	7.46	7.50
MISSISSIPPI									
Jackson	237.40	243.59	251.16	39.5	39.3	39.0	6.01	6.36	6.44
.....	261.94	269.27	270.96	40.8	39.8	39.1	6.42	6.94	6.93
MISSOURI									
Kansas City	312.84	329.80	326.02	39.5	39.8	38.4	7.92	8.50	8.49
St. Joseph	359.20	367.67	356.62	40.0	38.1	38.1	8.98	9.65	9.36
St. Louis	287.90	306.15	299.75	38.8	39.0	37.8	7.42	7.85	7.93
Springfield	357.48	383.11	383.15	39.5	39.7	39.5	9.05	9.65	9.70
.....	306.27	283.14	297.44	41.0	39.0	39.5	7.47	7.26	7.53
MONTANA									
.....	377.15	392.27	399.00	43.4	38.8	39.9	8.69	10.11	10.00
NEBRASKA									
Lincoln	333.66	330.26	331.69	40.2	39.6	39.3	8.30	8.34	8.44
Omaha	305.73	317.37	318.44	38.7	39.1	33.0	7.90	8.33	8.38
.....	325.92	344.93	349.83	38.8	38.8	39.0	8.40	8.89	8.97
NEVADA									
Las Vegas	328.44	328.71	333.02	39.1	37.1	37.8	8.40	8.86	8.81
.....	394.06	414.38	(*)	38.9	38.8	(*)	10.13	10.68	(*)

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. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P
NEW HAMPSHIRE	\$256.56	\$275.71	\$276.80	39.9	39.5	39.6	\$6.43	\$6.98	\$6.99
Manchester	235.98	256.75	261.20	39.2	39.5	40.0	6.02	6.50	6.53
Nashua	279.88	317.59	312.39	39.7	40.1	39.0	7.05	7.92	8.01
NEW JERSEY	324.94	341.94	344.20	40.5	39.9	39.7	8.03	8.57	8.67
Atlantic City	271.63	261.89	267.25	39.9	37.2	37.8	6.80	7.04	7.07
Camden	315.32	334.63	343.66	39.1	38.2	38.7	8.07	8.76	8.88
Hackensack	287.17	293.33	297.55	40.6	38.8	39.1	7.08	7.56	7.61
Jersey City	306.89	320.23	320.69	40.0	39.1	39.3	7.67	8.19	8.16
New Brunswick—Perth Amboy—Sayreville	372.54	390.73	392.90	41.5	41.0	40.8	8.99	9.53	9.63
Newark	328.99	352.81	354.03	41.0	40.6	40.6	8.01	8.69	8.72
Paterson—Clifton—Passaic	315.47	316.40	315.99	41.7	39.6	39.4	7.57	7.99	8.02
Trenton	323.03	338.24	339.40	38.9	39.7	38.7	8.31	8.74	8.77
NEW MEXICO	253.16	272.05	263.34	38.3	39.6	38.5	6.61	6.87	6.84
Albuquerque	258.55	300.69	279.68	37.8	39.0	38.0	6.84	7.71	7.36
NEW YORK	306.15	324.69	320.44	39.2	38.7	38.7	7.81	8.39	8.28
Albany—Schenectady—Troy	333.63	347.02	346.98	40.1	39.3	39.7	8.32	8.83	8.74
Binghamton	289.27	292.09	291.60	40.8	40.4	40.0	7.09	7.23	7.29
Buffalo	401.73	432.95	419.89	40.3	40.2	39.8	9.97	10.77	10.55
Elmira	317.75	344.86	345.46	41.0	40.1	39.8	7.75	8.60	8.68
Monroe County	412.05	447.12	439.56	41.0	41.4	40.7	10.05	10.80	10.80
Nassau—Suffolk	299.95	314.76	319.16	40.1	39.1	39.5	7.48	8.05	8.08
New York—Northeastern New Jersey	292.39	311.94	(*)	39.3	38.4	(*)	7.44	8.10	(*)
New York and Nassau—Suffolk	265.46	284.56	281.23	37.6	37.1	37.2	7.06	7.67	7.56
New York SMSA	256.41	275.58	270.10	37.0	36.5	36.5	6.93	7.55	7.40
New York City	252.50	270.03	267.89	36.7	36.1	36.3	6.88	7.48	7.38
Poughkeepsie	329.41	343.11	338.48	43.4	43.0	42.9	7.59	7.98	7.89
Rochester	384.39	421.06	413.71	41.0	41.2	40.6	9.39	10.22	10.19
Rockland County	299.69	327.54	332.02	39.8	38.9	39.2	7.53	8.42	8.47
Syracuse	339.42	353.68	345.71	40.6	40.1	39.6	8.36	8.82	8.73
Utica—Rome	292.64	299.00	306.53	39.6	37.8	38.9	7.39	7.91	7.88
Westchester County	276.57	308.89	267.04	38.2	39.1	37.4	7.24	7.90	7.14
NORTH CAROLINA	238.58	236.11	243.46	39.5	37.3	38.4	6.04	6.33	6.34
Asheville	234.59	228.75	242.26	40.1	37.5	39.2	5.85	6.10	6.18
Charlotte—Gastonia	250.10	249.63	240.92	41.0	39.0	38.0	6.10	6.40	6.34
Greensboro—Winston-Salem—High Point	266.63	254.46	269.18	39.5	36.3	37.7	6.75	7.01	7.14
Raleigh—Durham	270.47	279.72	292.19	39.6	37.8	39.7	6.83	7.40	7.36
NORTH DAKOTA	280.28	284.56	289.10	38.5	37.1	37.4	7.28	7.67	7.73
Fargo—Moorhead	309.67	309.27	302.57	40.8	39.0	38.3	7.59	7.93	7.90
OHIO	393.87	407.82	405.01	40.9	40.1	40.1	9.63	10.17	10.10
Akron	400.32	396.88	401.47	41.7	41.0	40.8	9.60	9.68	9.84
Canton	387.29	391.79	398.58	39.6	38.6	39.0	9.78	10.15	10.22
Cincinnati	357.28	389.46	391.53	40.6	40.4	40.7	8.80	9.64	9.62
Cleveland	399.49	408.80	409.05	41.1	40.0	40.3	9.72	10.22	10.15
Columbus	351.88	369.18	373.97	40.4	39.4	39.7	8.71	9.37	9.42
Dayton	412.72	422.51	406.02	41.9	41.1	40.4	9.85	10.28	10.05
Toledo	399.78	462.31	455.94	40.3	41.8	41.6	9.92	11.06	10.96
Youngstown—Warren	491.64	466.89	439.67	41.7	39.4	38.1	11.79	11.85	11.54
OKLAHOMA	328.43	346.63	343.30	40.2	39.3	39.1	8.17	8.82	8.78
Oklahoma City	346.80	358.94	350.35	40.0	39.1	38.5	8.67	9.18	9.10
Tulsa	357.93	373.26	374.22	41.0	38.8	38.9	8.73	9.62	9.62
OREGON	353.03	(*)	(*)	37.2	(*)	(*)	9.49	(*)	(*)
Eugene—Springfield	362.18	403.20	(*)	36.4	38.4	(*)	9.95	10.50	(*)
Jackson County	352.64	336.42	(*)	38.0	35.6	(*)	9.28	9.45	(*)
Portland	364.23	383.72	(*)	38.3	37.4	(*)	9.51	10.26	(*)
Salem	279.55	(*)	(*)	33.6	(*)	(*)	8.32	(*)	(*)
PENNSYLVANIA	329.78	331.78	328.52	39.4	38.4	38.2	8.37	8.64	8.60
Allentown—Bethlehem—Easton	337.95	343.28	329.62	38.8	38.1	37.8	8.71	9.01	8.72
Alltoona	276.71	286.69	285.64	38.7	38.9	38.6	7.15	7.37	7.40
Delaware Valley	335.31	342.53	342.91	39.8	38.7	39.4	8.44	8.85	8.93
Erie	354.32	358.16	359.72	41.2	39.1	39.4	8.60	9.16	9.13
Harrisburg	312.84	320.05	328.95	39.5	38.7	38.7	7.92	8.27	8.50
Johnstown	339.21	302.56	282.43	37.9	35.1	32.5	8.95	8.62	8.69

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. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P
PENNSYLVANIA—Continued									
Lancaster	\$280.91	\$296.73	\$300.30	38.8	37.8	33.5	\$7.24	\$7.85	\$7.80
Northeast Pennsylvania	237.07	264.00	252.58	37.1	37.5	36.5	6.39	7.04	6.92
Philadelphia SMSA	335.16	341.22	342.53	39.9	38.6	33.4	8.40	8.84	8.92
Pittsburgh	413.91	396.23	397.13	40.5	37.7	37.5	10.22	10.51	10.59
Reading	305.35	311.92	315.25	39.3	37.9	37.8	7.77	8.23	8.34
Williamsport	297.14	307.70	314.42	39.2	38.9	39.8	7.58	7.91	7.90
York	311.40	319.13	314.40	41.3	40.3	40.0	7.54	7.92	7.86
RHODE ISLAND									
Providence—Warwick—Pawtucket	236.78	252.45	251.17	38.5	37.4	37.6	6.15	6.75	6.68
	235.85	248.34	246.28	38.6	37.4	37.6	6.11	6.64	6.55
SOUTH CAROLINA									
Charleston—North Charleston	255.15	260.94	258.69	40.5	38.6	38.9	6.30	6.76	6.65
Columbia	273.53	285.01	291.83	39.3	37.9	38.5	6.96	7.52	7.58
Greenville—Spartanburg	247.02	241.39	248.68	40.1	37.1	33.2	6.16	6.52	6.51
	253.58	247.43	243.08	40.9	38.6	38.1	6.20	6.41	6.38
SOUTH DAKOTA									
Sioux Falls	297.19	314.38	322.41	40.6	41.6	42.2	7.32	7.55	7.64
	402.74	451.97	479.21	45.1	45.7	48.7	8.93	9.89	9.84
TENNESSEE									
Chattanooga	268.53	278.32	283.35	39.9	39.2	39.3	6.73	7.10	7.21
Knoxville	271.39	266.42	272.22	40.4	38.5	39.0	6.73	6.92	6.98
Memphis	297.00	326.30	(*)	39.6	39.6	(*)	7.50	8.24	(*)
Nashville—Davidson	300.64	303.51	301.80	40.3	40.2	39.4	7.46	7.55	7.66
	301.25	313.98	316.80	40.6	40.1	40.0	7.42	7.83	7.92
TEXAS									
Dallas—Fort Worth	339.89	347.44	346.98	41.5	40.4	40.3	8.19	8.60	8.61
Houston	315.65	335.76	337.39	41.1	40.6	40.6	7.68	8.27	8.31
San Antonio	421.41	431.81	433.47	43.4	41.6	41.6	9.71	10.38	10.42
	241.90	244.09	244.45	41.0	38.5	39.3	5.90	6.34	6.22
UTAH									
Salt Lake City—Ogden	311.63	323.33	327.08	39.8	38.4	38.3	7.83	8.42	8.54
	297.26	323.59	321.48	39.9	38.8	38.5	7.45	8.34	8.35
VERMONT									
Burlington	270.86	285.57	292.82	39.6	33.8	39.2	6.84	7.36	7.47
Springfield	295.39	319.60	334.15	40.8	40.1	40.8	7.24	7.97	8.19
	303.28	312.76	312.80	40.6	38.9	39.1	7.47	8.04	8.00
VIRGINIA									
Bristol	275.52	283.71	284.06	39.7	38.6	38.7	6.94	7.35	7.34
Lynchburg	224.53	244.63	238.38	37.5	37.3	37.6	5.99	6.56	6.34
Norfolk—Virginia Beach—Portsmouth	274.53	242.56	260.59	40.1	34.8	36.6	6.85	6.97	7.12
Northern Virginia ?	292.03	308.04	324.02	40.9	40.8	42.3	7.14	7.55	7.66
Petersburg—Colonial Heights—Hopewell	299.65	298.35	313.62	39.9	33.3	39.4	7.51	7.79	7.96
Richmond	352.80	394.79	378.30	40.0	40.7	39.0	8.82	9.70	9.70
Roanoke	345.84	360.06	358.16	39.3	38.8	39.1	8.80	9.28	9.16
	247.02	252.50	249.31	38.9	38.2	39.2	6.35	6.61	6.36
WASHINGTON									
Seattle—Everett	405.50	(*)	(*)	38.4	(*)	(*)	10.56	(*)	(*)
	421.79	(*)	(*)	39.2	(*)	(*)	10.76	(*)	(*)
WEST VIRGINIA									
Charleston	347.60	358.52	358.52	39.5	38.1	38.1	8.80	9.41	9.41
Huntington—Ashland	429.90	430.13	435.72	43.6	41.2	41.3	9.86	10.44	10.55
Parkersburg—Marletta	393.23	381.22	392.77	38.9	35.2	36.2	10.11	10.83	10.85
Wheeling	361.82	412.29	424.09	40.7	40.5	41.7	8.89	10.18	10.17
	380.81	385.88	387.62	38.7	37.5	37.2	9.84	10.29	10.42
WISCONSIN									
Appleton—Oshkosh	348.06	372.57	366.15	39.9	40.0	39.6	8.73	9.31	9.25
Eau Claire	351.48	365.22	362.39	41.6	41.1	40.7	8.45	8.88	8.91
Green Bay	348.59	353.96	357.29	41.0	40.3	39.9	8.49	8.78	8.95
Janesville—Beloit	369.90	409.18	397.97	42.5	42.6	42.5	8.71	9.61	9.36
Kenosha	359.18	388.19	352.41	38.9	39.0	38.9	9.23	9.96	9.06
La Crosse	385.26	499.45	492.20	39.3	42.3	41.8	9.81	11.81	11.79
Madison	313.93	329.35	331.35	40.4	37.6	38.2	7.77	8.75	8.68
Milwaukee	338.54	372.98	360.05	40.0	40.5	39.8	8.47	9.22	9.06
Racine	390.31	414.90	415.17	39.8	39.7	39.5	9.80	10.45	10.51
	377.54	402.37	362.26	40.0	39.6	37.6	9.44	10.17	9.65
WYOMING									
	328.45	323.38	316.40	40.4	38.0	37.4	8.13	8.51	8.46

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. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P	AUG. 1981	JULY 1982	AUG. 1982P
VIRGIN ISLANDS	\$360.14	\$408.35	\$404.26	41.3	41.5	41.0	\$8.72	\$9.84	\$9.86

¹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

² Subarea of New York—Northeastern New Jersey.

³ Subarea of Rochester Standard Metropolitan Statistical Area.

⁴ Area included in New York and Nassau—Suffolk combined SMSA's.

⁵ Subarea of New York Standard Metropolitan Statistical Area.

⁶ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

⁷ 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.

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	Labor force			Unemployment					
				Number			Percent of labor force		
	AUG. 1981	JUL. 1982	AUG. 1982P	AUG. 1981	JUL. 1982	AUG. 1982P	AUG. 1981	JUL. 1982	AUG. 1982P
ALABAMA	1,657.6	1,704.0	1,690.0	174.7	250.2	239.8	10.5	14.7	14.2
Birmingham	377.3	383.5	383.6	42.1	52.9	55.8	11.1	13.8	14.6
Huntsville	141.9	149.1	148.0	14.1	19.6	16.8	9.9	13.1	11.4
Mobile	189.8	193.3	190.3	18.2	27.9	27.2	9.6	14.4	14.3
Montgomery	120.4	122.9	121.5	11.2	14.7	14.6	9.3	12.0	12.1
Tuscaloosa	53.6	54.1	54.0	5.2	6.6	6.5	9.6	12.2	12.0
ALASKA	202.6	212.4	210.2	16.1	18.7	17.6	7.9	8.8	8.4
ARIZONA	1,240.1	1,311.5	1,317.4	75.0	144.7	149.5	6.0	11.0	11.3
Phoenix	757.4	793.3	795.9	37.4	66.6	68.7	4.9	8.4	8.6
Tucson	225.0	238.0	239.5	11.3	24.5	25.1	5.0	10.3	10.5
ARKANSAS	1,042.0	1,026.6	1,031.5	88.2	97.8	100.4	8.5	9.5	9.7
Fayetteville-Springdale	80.9	80.2	80.6	4.4	5.7	6.2	5.4	7.1	7.7
Fort Smith ¹	89.3	87.2	85.9	7.4	9.6	9.1	8.3	11.0	10.6
Little Rock—North Little Rock	200.4	197.5	198.8	15.4	15.9	16.1	7.7	8.0	8.1
Pine Bluff	41.2	40.3	40.3	4.1	4.4	4.4	10.1	10.8	11.0
CALIFORNIA²	11,927.7	12,336.3	12,303.5	820.8	1,316.3	1,249.5	6.9	10.7	10.2
Anaheim—Santa Ana—Garden Grove	1,174.0	1,218.0	1,223.1	52.5	95.5	96.6	4.5	7.8	7.9
Bakersfield	199.1	210.1	209.8	14.9	26.1	26.5	7.5	12.4	12.6
Fresno	294.1	304.1	310.9	24.3	38.7	38.2	8.3	12.7	12.3
Los Angeles—Long Beach ²	3,799.0	3,850.0	3,778.0	248.0	399.0	343.0	6.5	10.4	9.1
Modesto	146.7	149.3	151.8	15.7	26.5	22.8	10.7	17.7	15.0
Oxnard—Simi Valley—Ventura	248.5	266.2	268.6	20.7	31.0	34.9	8.3	11.6	13.0
Riverside—San Bernardino—Ontario	598.1	643.3	640.6	52.6	87.4	90.1	8.8	13.6	14.1
Sacramento	498.3	516.7	521.4	39.5	61.8	58.8	7.9	12.0	11.3
Salinas—Seaside—Monterey	140.3	148.1	147.4	10.7	14.0	13.7	7.6	9.5	9.3
San Diego	799.2	828.6	832.2	54.9	91.2	91.3	6.9	11.0	11.0
San Francisco—Oakland	1,688.7	1,766.9	1,771.2	101.6	156.1	156.7	6.0	8.8	8.8
San Jose	798.3	831.6	836.9	46.4	67.2	65.6	5.8	8.1	7.8
Santa Barbara—Santa Maria—Lompoc	154.7	162.2	161.9	9.1	13.5	12.9	5.9	8.3	7.9
Santa Rosa	141.4	146.8	148.7	10.3	16.1	15.8	7.3	11.0	10.6
Stockton	178.1	185.8	185.6	16.6	29.2	25.6	9.3	15.7	13.8
Vallejo—Fairfield—Napa	134.8	142.1	142.6	9.9	15.6	16.0	7.3	11.0	11.2
COLORADO	1,541.2	1,588.6	1,590.8	76.4	116.2	114.1	5.0	7.3	7.2
Denver—Boulder	911.5	935.9	940.1	42.6	59.3	59.9	4.7	6.3	6.4
CONNECTICUT	1,586.7	1,625.7	1,598.4	98.6	114.9	105.2	6.2	7.1	6.6
Bridgeport	190.9	195.4	195.0	11.6	15.3	14.5	6.1	7.8	7.4
Hartford	383.3	394.6	386.2	22.9	26.5	24.5	6.0	6.7	6.3
New Britain	73.4	73.5	72.1	5.9	7.1	6.7	8.0	9.7	9.3
New Haven—West Haven	196.5	202.0	199.5	13.1	13.9	12.8	6.7	6.9	6.4
Stamford	123.6	126.8	124.0	4.7	4.8	4.4	3.8	3.8	3.5
Waterbury	107.3	111.0	109.0	7.7	10.0	8.9	7.2	9.0	8.1
DELAWARE	296.5	306.9	304.4	26.5	25.3	30.5	9.0	8.3	10.0
Wilmington ¹	258.1	263.7	262.0	25.0	21.9	29.0	9.7	8.3	11.1
DISTRICT OF COLUMBIA	317.3	337.6	334.1	32.3	39.8	37.2	10.2	11.8	11.1
Washington SMSA ¹	1,704.7	1,749.0	1,736.4	90.5	111.6	104.9	5.3	6.4	6.0
FLORIDA²	4,602.7	4,853.6	4,865.0	308.4	364.9	378.7	6.7	7.5	7.8
Daytona Beach	112.3	115.5	113.4	6.6	6.3	6.7	5.9	5.4	6.0
Fort Lauderdale—Hollywood	491.7	509.7	510.6	25.4	31.5	33.1	5.2	6.2	6.5
Fort Myers—Cape Coral	92.0	100.0	101.4	5.1	7.0	7.7	5.5	7.0	7.5
Gainesville	80.1	83.6	83.8	3.4	3.3	3.3	4.3	3.9	4.0
Jacksonville	344.9	370.1	370.9	20.3	24.4	23.3	5.9	6.6	6.3
Lakeland—Winter Haven	148.6	148.1	149.6	22.5	26.3	27.7	15.1	17.8	18.5
Melbourne—Titusville—Cocoa	128.6	132.5	132.6	9.8	10.2	10.0	7.6	7.7	7.6
Miami	836.8	877.7	881.7	53.9	65.3	68.1	6.4	7.4	7.7
Orlando	383.5	392.6	393.4	25.7	24.8	24.9	6.7	6.3	6.3
Pensacola	123.8	130.4	131.0	7.0	7.6	8.7	5.6	5.8	6.6
Sarasota	81.0	87.9	86.7	3.6	6.0	6.3	4.4	6.8	7.3
Tallahassee	87.8	90.0	93.0	3.7	3.8	4.7	4.2	4.2	5.0
Tampa—St. Petersburg	703.3	761.5	761.1	40.3	51.3	54.4	5.7	6.7	7.1
West Palm Beach—Boca Raton	275.6	288.5	288.0	20.8	24.6	24.6	7.5	8.5	8.5

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	Labor force			Unemployment					
				Number			Percent of labor force		
	AUG. 1981	JUL. 1982	AUG. 1982 P	AUG. 1981	JUL. 1982	AUG. 1982 P	AUG. 1981	JUL. 1982	AUG. 1982 P
GEORGIA	2,610.1	2,691.8	2,694.3	157.7	218.6	200.1	6.0	8.1	7.4
Albany	54.1	56.2	55.7	4.2	6.5	5.1	7.8	11.6	9.2
Atlanta	1,065.4	1,114.7	1,117.3	59.0	70.9	68.1	5.5	6.4	6.1
Augusta	130.4	138.5	139.0	8.6	12.3	12.5	6.6	8.9	9.0
Columbus ¹	89.9	91.1	90.8	7.0	9.0	8.6	7.7	9.9	9.5
Macon	107.5	110.2	110.4	6.4	7.5	7.2	6.0	6.8	6.6
Savannah	95.7	99.5	99.5	5.3	7.6	7.6	5.6	7.7	7.6
HAWAII	454.2	458.3	455.4	24.6	34.9	34.7	5.4	7.6	7.6
Honolulu	348.9	350.4	347.7	17.5	24.6	24.2	5.0	7.0	7.0
IDAHO	436.2	444.1	444.8	29.4	40.1	39.7	6.7	9.0	8.9
Boise City	88.9	91.4	90.9	4.8	6.0	5.9	5.4	6.6	6.4
ILLINOIS²	5,662.2	5,758.8	5,717.5	457.0	701.8	651.1	8.1	12.2	11.4
Bloomington—Normal	61.1	60.7	62.5	3.5	5.0	5.6	5.8	8.3	9.0
Champaign—Urbana—Rantoul	82.2	85.6	83.6	4.6	7.0	6.6	5.6	8.1	7.9
Chicago	3,565.1	3,611.7	3,600.5	283.2	410.2	380.8	7.9	11.4	10.6
Davenport—Rock Island—Moline ¹	192.0	196.0	191.0	17.0	30.0	26.8	8.9	15.3	14.0
Decatur	62.9	65.0	64.6	6.2	10.9	12.8	9.9	16.7	19.9
Kankakee	42.1	44.2	43.4	4.9	7.7	7.1	11.6	17.4	16.3
Peoria	177.2	181.3	177.8	12.5	29.4	26.7	7.0	16.2	15.0
Rockford	137.4	140.6	140.2	12.5	27.2	25.9	9.1	19.3	18.5
Springfield	105.0	103.0	107.5	6.2	7.6	7.2	5.9	7.4	6.7
INDIANA	2,600.1	2,563.8	2,561.7	236.3	292.4	283.2	9.1	11.4	11.1
Anderson	54.8	53.9	53.0	6.2	7.3	7.2	11.3	13.5	13.5
Elkhart	66.8	65.9	65.9	5.3	6.5	6.5	7.9	9.9	9.9
Evansville ¹	149.0	147.0	146.1	11.6	12.7	11.7	7.8	8.6	8.0
Fort Wayne	193.0	187.9	188.2	15.9	22.0	20.9	8.2	11.7	11.1
Gary—Hammond—East Chicago	295.9	295.0	295.0	31.8	45.7	44.3	10.8	15.5	15.0
Indianapolis	613.7	605.1	608.2	50.1	54.8	55.6	8.2	9.1	9.1
Lafayette—West Lafayette	59.2	60.0	59.8	3.6	5.1	5.2	6.2	8.5	8.8
Muncie	55.5	53.8	53.8	6.4	7.3	7.2	11.6	13.5	13.3
South Bend	133.5	133.5	132.3	10.8	13.8	12.2	8.1	10.4	9.3
Terre Haute	77.2	75.2	73.7	6.8	8.7	8.5	8.9	11.5	11.5
IOWA	1,424.5	1,410.0	1,369.6	94.7	122.5	113.0	6.6	8.7	8.3
Cedar Rapids	86.2	82.7	80.7	6.8	9.5	8.8	7.9	11.5	10.9
Des Moines	179.6	176.1	171.7	12.6	14.6	14.5	7.0	8.3	8.5
Dubuque	44.3	42.8	41.5	4.1	6.5	6.1	9.3	15.1	14.7
Sioux City ¹	54.2	54.0	53.1	4.1	4.9	4.6	7.5	9.1	8.7
Waterloo—Cedar Falls	67.3	65.3	63.4	5.7	7.8	7.0	8.5	11.9	11.1
KANSAS	1,191.9	1,167.1	1,169.7	48.4	74.9	83.1	4.1	6.4	7.1
Lawrence	33.5	31.5	32.5	1.5	1.8	1.8	4.6	5.8	5.5
Topeka	95.6	92.9	93.2	5.1	6.1	6.4	5.3	6.6	6.8
Wichita	229.6	222.0	224.0	10.1	20.5	25.8	4.4	9.2	11.5
KENTUCKY	1,666.2	1,648.9	1,675.4	128.6	187.0	181.0	7.7	11.3	10.8
Lexington—Fayette	179.6	180.0	182.5	7.8	15.2	12.4	4.4	7.3	6.8
Louisville ¹	437.7	431.0	436.0	40.4	50.3	50.6	9.2	11.7	11.6
Owensboro	44.4	40.1	41.2	2.9	3.8	3.8	6.5	9.4	9.2
LOUISIANA	1,871.6	1,900.8	1,907.2	152.4	215.9	207.1	8.1	11.4	10.9
Alexandria	74.1	74.0	74.6	7.9	9.0	8.3	10.7	12.2	11.2
Baton Rouge	229.0	225.9	226.7	18.4	23.5	22.4	8.1	10.4	9.9
Lafayette	92.9	99.4	100.0	3.8	5.9	5.9	4.0	5.9	5.9
Lake Charles	82.1	79.7	79.2	6.9	12.5	12.2	8.3	15.6	15.4
Monroe	55.8	55.9	55.6	5.8	7.9	7.4	10.4	14.2	13.3
New Orleans	518.8	516.3	513.5	40.4	53.7	50.0	7.8	10.4	9.7
Shreveport	164.0	161.5	162.8	13.1	16.5	16.8	8.0	10.2	10.3
MAINE	527.6	540.9	538.5	31.8	52.6	41.1	6.0	9.7	7.6
Lewiston—Auburn	38.2	38.9	38.2	2.6	5.8	3.4	6.7	14.9	8.9
Portland	91.1	96.1	94.6	4.6	6.8	5.4	5.1	7.1	5.7
MARYLAND	2,159.5	2,223.9	2,201.6	154.9	192.8	190.8	7.2	8.7	8.7
Baltimore	1,065.0	1,108.3	1,089.9	89.2	111.7	110.0	8.4	10.1	10.1

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	Labor force			Unemployment					
				Number			Percent of labor force		
	AUG. 1981	JUL. 1982	AUG. 1982P	AUG. 1981	JUL. 1982	AUG. 1982P	AUG. 1981	JUL. 1982	AUG. 1982P
MASSACHUSETTS	3,026.7	3,108.1	3,124.3	217.3	299.2	238.4	7.2	9.6	7.6
Boston	1,459.1	1,485.5	1,502.9	100.5	120.9	101.7	6.9	8.1	6.8
Brockton	83.9	84.4	84.4	7.6	9.8	7.9	9.0	11.6	9.3
Fall River	75.6	74.4	78.5	6.2	10.4	7.9	8.2	14.0	10.1
Lawrence—Haverhill	151.5	153.1	151.9	10.6	18.2	13.3	7.0	11.9	8.8
Lowell	131.5	134.6	136.6	9.4	11.5	9.3	7.2	8.5	6.8
New Bedford	87.2	90.3	88.5	7.5	14.0	10.0	8.6	15.5	11.3
Springfield—Chicopee—Holyoke	282.9	299.7	299.3	19.7	28.3	22.3	7.0	9.4	7.4
Worcester	202.7	213.1	210.6	13.6	24.1	19.2	6.7	11.3	9.1
MICHIGAN	4,382.4	4,405.6	4,378.8	483.2	648.3	637.0	11.0	14.7	14.5
Ann Arbor	143.3	145.9	146.0	10.8	15.7	16.7	7.6	10.7	11.4
Battle Creek	82.1	86.7	84.8	7.6	15.4	13.2	9.2	17.8	15.5
Bay City	54.5	55.8	55.9	6.0	7.3	7.6	11.1	13.1	13.5
Detroit	2,017.4	2,016.6	2,008.7	231.7	306.8	304.5	11.5	15.2	15.2
Flint	232.5	230.7	226.5	36.7	41.0	39.6	15.8	17.8	17.5
Grand Rapids	329.8	338.9	336.6	25.8	39.1	35.9	7.8	11.5	10.7
Jackson	67.8	68.8	67.5	6.4	11.2	10.5	9.4	16.3	15.5
Kalamazoo—Portage	139.9	142.2	141.6	10.5	14.9	14.4	7.5	10.5	10.2
Lansing—East Lansing	258.2	248.8	249.2	37.9	30.8	33.7	14.7	12.4	13.5
Muskegon—Norton Shores—Muskegon Heights	80.2	83.2	83.2	8.5	14.2	14.5	10.6	17.0	17.4
Saginaw	104.6	104.9	104.4	13.0	15.9	15.4	12.4	15.2	14.8
MINNESOTA	2,162.3	2,184.4	2,181.4	98.9	160.3	159.9	4.6	7.3	7.3
Duluth—Superior	113.8	114.5	115.4	7.2	21.8	22.5	6.3	19.0	19.5
Minneapolis—St. Paul	1,147.6	1,149.2	1,157.0	47.0	71.9	74.0	4.1	6.3	6.4
Rochester	58.2	58.4	58.7	2.1	3.0	3.0	3.7	5.2	5.1
St. Cloud	74.6	77.9	77.6	4.2	6.7	6.7	5.7	8.6	8.6
MISSISSIPPI	1,047.8	1,063.8	1,052.3	85.2	131.0	131.9	8.1	12.3	12.5
Jackson	159.6	159.0	158.4	9.8	13.8	13.8	6.1	8.7	8.7
MISSOURI	2,327.0	2,375.4	2,349.2	174.5	213.9	210.6	7.5	9.0	9.0
Kansas City	691.7	682.4	677.6	47.1	52.8	56.8	6.8	7.7	8.4
St. Joseph	44.7	45.3	44.6	3.7	4.4	4.5	8.2	9.6	10.1
St. Louis	1,126.7	1,148.8	1,137.2	94.3	112.2	108.1	8.4	9.8	9.5
Springfield	107.2	110.8	109.2	5.6	9.0	7.5	5.2	8.1	6.9
MONTANA	399.8	387.8	389.4	24.3	32.9	30.1	6.1	8.5	7.7
Billings	58.6	59.8	60.2	2.8	4.1	3.7	4.7	6.8	6.2
Great Falls	35.1	35.6	35.7	2.6	3.0	2.8	7.3	8.3	7.9
NEBRASKA	781.0	799.4	781.3	28.2	46.8	43.3	3.6	5.8	5.5
Lincoln	110.0	109.1	108.8	3.9	5.6	5.5	3.6	5.1	5.0
Omaha	281.3	284.0	278.7	14.9	20.7	18.4	5.3	7.3	6.6
NEVADA	472.3	489.6	490.2	28.1	48.4	50.1	6.0	9.9	10.2
Las Vegas	261.3	271.0	271.5	18.3	30.2	31.3	7.0	11.1	11.5
Reno	129.3	134.9	134.5	5.6	10.4	10.7	4.3	7.7	8.0
NEW HAMPSHIRE	492.4	502.1	491.4	22.1	45.6	31.7	4.5	9.1	6.5
Manchester	84.0	88.1	84.2	4.4	10.5	5.7	5.2	12.0	6.8
Nashua	84.3	84.2	83.3	4.1	6.3	5.5	4.9	7.5	6.6
NEW JERSEY	3,574.1	3,711.1	3,660.1	236.2	311.9	320.2	6.6	8.4	8.7
Atlantic City	120.4	128.2	126.4	7.6	10.1	10.4	6.3	7.9	8.2
Jersey City	239.3	248.5	245.9	23.2	31.4	31.4	9.7	12.6	12.8
Long Branch—Asbury Park	247.2	263.3	258.8	15.6	20.2	20.5	6.3	7.7	7.9
New Brunswick—Perth Amboy—Sayreville	327.2	340.7	336.6	21.6	28.7	29.3	6.6	8.4	8.7
Newark	952.3	996.8	989.5	68.1	80.2	87.0	7.1	8.0	8.8
Paterson—Clifton—Passaic	205.6	214.2	209.6	16.6	24.2	24.0	8.1	11.3	11.5
Trenton	155.2	161.7	158.2	8.0	13.1	13.1	5.2	8.1	8.3
Vineland—Millville—Bridgeton	59.4	60.6	61.0	5.8	9.3	9.1	9.7	15.3	15.0
NEW MEXICO	578.5	596.5	602.1	39.0	59.8	60.6	6.7	10.0	10.1
Albuquerque	213.1	218.7	220.5	15.0	19.3	19.0	7.0	8.8	8.6
Las Cruces	34.2	37.4	37.9	2.5	4.2	4.2	7.3	11.1	11.0

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	Labor force			Unemployment					
				Number			Percent of labor force		
	AUG. 1981	JUL. 1982	AUG. 1982P	AUG. 1981	JUL. 1982	AUG. 1982P	AUG. 1981	JUL. 1982	AUG. 1982P
NEW YORK²	8,096.7	8,243.9	8,160.6	571.2	699.8	684.7	7.1	8.5	8.4
Albany—Schenectady—Troy	385.6	385.1	386.7	21.2	26.3	24.2	5.5	6.8	6.3
Binghamton ¹	141.5	145.8	145.7	8.4	11.1	10.0	6.0	7.6	6.9
Buffalo	577.7	569.5	567.8	58.2	70.8	67.1	10.1	12.4	11.8
Elmira	40.1	40.1	39.3	2.9	5.0	4.1	7.2	12.4	10.4
Nassau-Suffolk	1,347.8	1,377.8	1,376.1	81.6	89.9	80.8	6.1	6.5	5.9
New York	3,642.2	3,738.7	3,658.8	271.4	333.7	353.8	7.5	8.9	9.7
New York City ²	3,009.0	3,095.0	3,019.0	242.0	301.0	322.0	8.1	9.7	10.7
Poughkeepsie	113.1	116.8	118.3	5.8	6.4	6.1	5.1	5.5	5.2
Rochester	481.8	492.0	491.7	27.0	34.4	30.9	5.6	7.0	6.3
Syracuse	303.4	305.2	303.9	19.1	24.4	21.7	6.3	8.0	7.1
Utica—Rome	138.0	140.7	139.9	9.4	12.8	10.8	6.8	9.1	7.7
NORTH CAROLINA	2,945.5	2,988.7	2,964.2	179.5	292.7	266.7	6.1	9.8	9.0
Asheville	92.5	93.9	93.2	5.3	7.0	7.0	5.7	7.5	7.6
Charlotte—Gastonia	374.4	381.7	379.8	18.8	29.0	28.1	5.0	7.6	7.4
Greensboro—Winston-Salem—High Point	448.5	454.1	452.6	26.1	36.4	37.5	5.8	8.0	8.3
Raleigh—Durham	308.0	314.4	314.8	11.4	13.7	14.0	3.7	4.4	4.4
NORTH DAKOTA	339.2	333.4	333.2	14.0	15.4	15.7	4.1	4.6	4.7
Fargo—Moorehead ¹	72.2	72.1	71.9	3.6	3.4	3.4	5.0	4.8	4.8
OHIO²	5,162.8	5,260.5	5,234.7	486.6	644.0	656.9	9.4	12.2	12.5
Akron	307.0	310.8	310.0	30.1	37.6	37.6	9.8	12.1	12.1
Canton	191.8	201.7	199.2	17.4	29.1	28.8	9.1	14.4	14.5
Cincinnati ¹	683.6	696.7	694.5	59.1	74.2	72.6	8.7	10.6	10.4
Cleveland	947.5	958.8	953.8	79.7	102.9	105.4	8.4	10.7	11.0
Columbus	569.2	581.1	580.3	44.7	52.8	53.6	7.8	9.1	9.2
Dayton	392.7	401.3	399.3	33.8	44.5	45.5	8.6	11.1	11.4
Toledo ¹	370.7	374.3	371.6	39.9	47.2	45.2	10.8	12.6	12.2
Youngstown—Warren	234.5	243.4	246.6	27.4	44.4	51.6	11.7	18.2	20.9
OKLAHOMA	1,444.9	1,494.9	1,474.3	44.9	91.2	82.8	3.1	6.1	5.6
Enid	30.3	29.7	29.3	.9	1.7	1.6	2.9	5.6	5.3
Lawton	33.7	35.2	33.5	1.2	2.0	1.6	3.6	5.6	4.9
Oklahoma City	446.9	467.2	463.1	13.0	23.3	20.8	2.9	5.0	4.5
Tulsa	360.8	369.5	365.9	10.9	25.2	23.3	3.0	6.8	6.4
OREGON	1,338.1	1,311.2	1,300.8	122.3	135.7	131.9	9.1	10.4	10.1
Eugene—Springfield	138.9	130.2	129.9	15.2	15.0	14.3	10.9	11.5	11.0
Portland ¹	654.0	652.6	642.8	50.8	62.2	61.4	7.8	9.5	9.6
Salem	129.8	130.6	131.4	9.5	10.8	10.6	7.3	8.2	8.0
PENNSYLVANIA²	5,582.5	5,585.0	5,593.4	432.1	596.2	574.9	7.7	10.7	10.3
Allentown—Bethlehem—Easton ¹	318.0	315.2	319.6	24.0	31.8	35.5	7.5	10.1	11.1
Altoona	59.7	58.4	59.4	6.4	5.5	8.2	10.7	9.4	13.9
Erie	126.6	127.6	127.3	11.4	15.3	14.2	9.0	12.0	11.1
Harrisburg	242.5	247.7	247.6	13.6	15.9	13.6	5.6	6.4	5.5
Johnstown	107.9	109.6	108.3	11.8	18.9	15.9	10.9	17.2	14.7
Lancaster	189.0	189.4	190.5	9.2	14.1	12.4	4.9	7.4	6.5
Northeast Pennsylvania	295.2	291.2	294.0	27.6	33.4	27.5	9.4	11.5	9.3
Philadelphia ¹	2,224.9	2,217.1	2,206.7	168.1	186.8	179.0	7.6	8.4	8.1
Pittsburgh	1,052.5	1,054.7	1,058.4	67.2	130.2	132.4	6.4	12.3	12.5
Reading	158.8	160.2	160.8	11.4	15.8	13.7	7.2	9.9	8.5
Williamsport	54.2	53.5	53.4	5.8	6.3	5.8	10.7	11.9	10.8
York	183.7	185.6	186.7	13.5	21.0	21.0	7.3	11.3	11.2
RHODE ISLAND	483.8	478.3	486.1	37.9	49.9	46.2	7.8	10.4	9.5
Providence—Warwick—Pawtucket ¹	477.0	470.6	478.4	38.3	52.2	47.6	8.0	11.1	10.0
SOUTH CAROLINA	1,425.3	1,492.2	1,483.8	115.9	175.2	167.7	8.1	11.7	11.3
Charleston—North Charleston	171.7	184.0	181.9	13.4	17.0	16.0	7.8	9.3	8.8
Columbia	184.1	193.6	193.8	12.1	16.2	15.7	6.6	8.4	8.1
Greenville—Spartanburg	283.0	298.6	295.4	20.5	33.5	32.7	7.2	11.2	11.1
SOUTH DAKOTA	346.3	336.3	334.4	15.2	15.3	14.4	4.4	4.5	4.3
Sioux Falls	61.8	62.5	62.2	2.7	2.4	2.3	4.4	3.8	3.7
TENNESSEE	2,111.4	2,115.0	2,120.2	178.2	246.8	234.6	8.4	11.7	11.1
Chattanooga ¹	198.3	205.7	203.3	15.7	25.1	22.3	7.9	12.2	11.0
Knoxville	227.8	231.8	231.5	16.2	18.5	17.7	7.1	8.0	7.6
Memphis ¹	411.1	407.0	407.8	35.3	39.0	38.6	8.6	9.6	9.5
Nashville—Davidson	430.6	421.7	427.9	28.3	36.2	35.9	6.6	8.6	8.4

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	Labor force			Unemployment					
				Number			Percent of labor force		
	AUG. 1981	JUL. 1982	AUG. 1982P	AUG. 1981	JUL. 1982	AUG. 1982P	AUG. 1981	JUL. 1982	AUG. 1982P
TEXAS¹	7,092.3	7,393.7	7,373.7	408.0	542.4	518.6	5.8	7.3	7.0
Dallas—Fort Worth	1,668.3	1,754.8	1,759.2	89.2	110.2	104.9	5.3	6.3	6.0
Houston	1,681.9	1,754.7	1,750.2	81.7	125.3	122.6	4.9	7.1	7.0
San Antonio	460.6	476.3	471.6	34.1	38.1	34.3	7.4	8.0	7.3
UTAH	644.7	668.6	674.1	39.5	50.1	50.4	6.1	7.5	7.5
Salt Lake City—Ogden	423.8	435.9	439.4	26.3	31.2	32.1	6.2	7.2	7.3
VERMONT	261.5	272.5	273.7	13.7	18.9	17.2	5.3	6.9	6.3
VIRGINIA	2,613.7	2,661.7	2,641.3	148.3	202.4	191.9	5.7	7.6	7.3
Lynchburg	74.3	76.0	75.4	4.0	6.3	6.5	5.4	8.3	8.6
Newport News—Hampton	169.0	173.9	173.8	10.2	11.0	10.5	6.1	6.3	6.1
Norfolk—Virginia Beach—Portsmouth ¹	339.8	343.8	341.1	21.2	24.7	24.1	6.2	7.2	7.1
Petersburg—Colonial Heights—Hopewell	57.1	59.3	59.4	4.6	5.2	5.1	8.1	8.7	8.7
Richmond	332.9	341.5	339.0	14.0	20.1	19.0	4.2	5.9	5.6
Roanoke	111.1	112.9	112.0	6.2	9.1	7.8	5.6	8.0	7.0
WASHINGTON	1,984.4	1,997.5	2,005.2	183.6	243.8	240.1	9.3	12.2	12.0
Seattle—Everett	861.8	875.6	880.0	67.2	96.7	94.8	7.8	11.0	10.8
Spokane	148.0	147.9	148.6	13.9	18.5	18.3	9.4	12.5	12.3
Tacoma	177.5	181.5	183.2	17.0	23.0	22.8	9.6	12.7	12.5
WEST VIRGINIA	774.4	793.3	791.3	69.5	108.7	107.6	9.0	13.7	13.6
Charleston	126.7	127.2	128.2	9.6	11.9	12.5	7.6	9.4	9.7
Huntington—Ashland ¹	127.4	128.5	129.2	12.1	19.5	18.3	9.5	15.2	14.1
Parkersburg—Marletta ¹	73.8	76.0	75.5	6.0	10.3	9.4	8.2	13.5	12.5
Wheeling ¹	83.1	84.2	85.1	6.7	11.0	11.6	8.1	13.1	13.7
WISCONSIN	2,395.9	2,472.7	2,476.7	168.0	253.5	256.9	7.0	10.3	10.4
Appleton—Oshkosh	149.5	153.4	154.3	10.1	15.1	14.9	6.7	9.9	9.6
Eau Claire	57.2	59.9	59.9	3.8	5.3	6.1	6.7	8.8	10.2
Green Bay	92.1	95.3	97.0	6.5	9.2	8.9	7.1	9.6	9.2
Janesville—Beloit	72.9	74.5	73.5	9.6	10.5	14.2	13.1	14.1	19.3
Kenosha	58.6	60.4	60.7	4.6	5.5	5.4	7.8	9.1	8.9
LaCrosse	48.3	50.1	50.3	3.4	4.3	4.2	7.0	8.5	8.4
Madison	184.5	191.6	192.1	9.4	12.8	12.7	5.1	6.7	6.6
Milwaukee	718.7	740.1	744.8	50.3	77.6	81.3	7.0	10.5	10.9
Racine	86.4	87.4	87.3	8.2	12.2	12.9	9.5	13.9	14.8
WYOMING	260.8	263.4	258.8	9.0	14.7	14.9	3.4	5.6	5.8

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 1981 have been benchmarked to 1981 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1982 are provisional and will be revised when new benchmark information

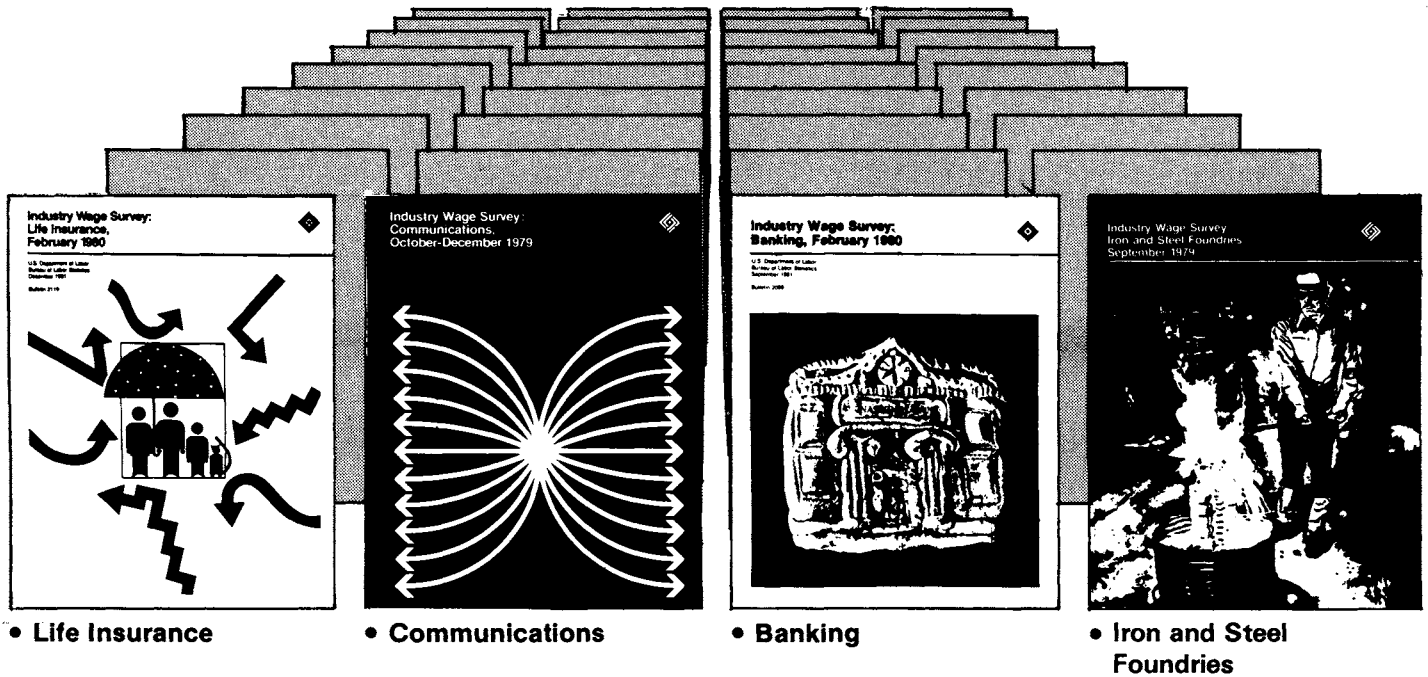
SOURCE: Current Population Survey and Cooperating State Employment Security Agencies listed on inside back cover.

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.

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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, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. Employment in both agricultural and nonagricultural industries is included. The payroll survey covers only wage and salary employees on the payrolls of 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 persons 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 dispute, or because they were taking time off for various other reasons, even if they were not paid by their employers for the time off. In the figures based on payroll reports, persons on leave paid for by the company are included, but not those on leave without pay for the entire payroll period.

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

Hours of work

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

Earnings

The household survey measures median earnings of wage and salary workers in all occupations and industries in both the private and public sectors. Data refer to the usual earnings received from the worker's sole or primary job. Data from the establishment survey generally refer to 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 Statistical Research Service (SRS) 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. Beginning in January 1972, coverage was expanded to include employees of small firms and selected nonprofit activities who had not been covered previously. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in the BLS establishment statistics. Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

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. This report is available from BLS upon request.

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 and published 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, members of the Armed Forces, 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 members of the Armed Forces, who are

included as part of the categories "total noninstitutional population" and "total labor force," are, however, 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.

Beginning in September 1975, the sample was enlarged by 9,000 households in order to provide greater reliability for smaller States and thus permit the publication of annual statistics for all 50 States and the District of Columbia. These supplementary households were added to the national 47,000 household sample in January 1978.

Over the period November 1978 to April 1979 the sample was again enlarged by 9,000 households. These supplementary households were added to the 56,000 household sample in January 1980.

Beginning in May 1981, the sample size was cut by about 6,000 occupied housing units. The reduction did not affect the ability to

publish reliable State and local estimates and had practically no effect on the reliability of national estimates.

Beginning in January 1982, the sample was expanded by about 100 households in 15 counties. The expanded sample provides sufficient coverage of counties added to 7 of the 30 largest SMSA's redefined in 1973. The additional sample had practically no effect on the reliability of national or State estimates.

CONCEPTS

Employed persons comprise (a) all those who during the survey week did any work at all as paid employees, in their own business, profession, or 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 dispute, or personal reasons, whether or not they were paid by their employers for the time off, and whether or not they were seeking other jobs.

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, temporarily in the United States, who are not living on the premises of an embassy.

Excluded are persons whose only activity consisted of work around the house (such as home housework, and painting or repairing own home) or volunteer work for religious, charitable, and similar organizations.

Unemployed persons comprise all persons who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work during the survey week (except for temporary illness). Also included as unemployed are those who did not work at all, were available for work, and (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 wage or salary 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.

Unemployed persons by 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.

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 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 wage or salary 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 pick-up point.

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

above. The "total labor force" also includes members of the Armed Forces stationed either in the United States or abroad.

The *unemployment rate* represents the number unemployed as a percent of the civilian labor force. This measure can also be computed for groups within the labor force classified by sex, age, marital status, race, occupation, industry, etc. The job-loser, job-leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian labor force; the sum of the rates for the four groups thus equals the total unemployment rate.

Participation rates represent the proportion of the noninstitutional population that is in the labor force. Two types of participation rates are published. The total labor force participation rate, which is the ratio of the total labor force and the total noninstitutional population; and the civilian labor force participation rate which is the ratio of the civilian labor force and the civilian noninstitutional population. 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 total noninstitutional population that is employed.

Not in labor force includes all civilians 16 years and over who are not classified as employed or unemployed. These persons are further classified as "engaged in own home housework," "in school," "unable to work" because of long-term physical or mental illness, and "other." The "other" group includes for the most part retired persons, those reported as too old to work, the voluntarily idle, and seasonal workers for whom the survey week fell in an "off" season and who were not reported as unemployed. Persons doing only incidental unpaid family work (less than 15 hours) are also classified as not in the labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work again, desire for a job at the time of interview, and reasons for not looking for work are compiled 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, the detailed not-in-labor force questions were asked of persons in the first and fifth months in the sample, 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 civilian job lasting 2 weeks or more. The occupation and industry groups used in the CPS are defined as in the 1970 Census of Population. 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, a person who normally works 40 hours a week but who was off on the Columbus Day holiday would be reported as working 32 hours even though he/she was 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. However, 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," correspondingly 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 the 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: (1) That unemployed persons looking for full-time work lost an average of 37.5 hours (2) that 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) that persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

White and black and other are terms used to describe the race of workers. The "black-and-other category," includes all persons who identified themselves in the enumeration process to be other than white. At the time of the 1980 Census of Population, 83 percent of the black-and-other civilian noninstitutional population 16 years and over were black; the remainder were primarily American Indians, Alaskan Natives, and Asians and Pacific Islanders. The term "black" is used in this volume when the relevant data are provided exclusively for the black population.

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.

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. Statistics on major activity are published every month in table A-7 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. Tables for veterans in this volume are limited to males in the civilian noninstitutional population, i.e., veterans in institutions and females are excluded.

Nonveterans are males who never served in the Armed Forces.

The *poverty areas* classification consists of all Census geographical divisions in which 20 percent or more of the residents were poor according to the 1970 Decennial Census. Persons were classified as poor or nonpoor by using income thresholds adopted by a Federal in-

teragency 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. Data refer to the sole or primary job of wage and salary workers. 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.

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 are 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 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 counts of families used in this volume refer to primary families only, that is, all persons in the household who are related to the householder. Families are classified either as married-couple families or as those maintained by women or men without spouses. 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.

HISTORIC COMPARABILITY

Raised lower age limit

Beginning with data for 1967, the lower age limit for official statistics on persons in the labor force was raised from 14 to 16 years. A detailed discussion of this and other definitional changes introduced at that time including estimates of their effect on the various series, is contained in "New Definitions for Employment and Unemployment" by Robert L. Stein in the February 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*.

Noncomparability of labor force levels

Before the changes introduced in 1967, the labor force data were not comparable for three earlier periods: (1) Beginning in 1953, as a result of the introduction of data from the 1950 census into the estimation procedure, population levels were raised by about 600,000; labor force, total employment, and agricultural employment by about 350,000, primarily affecting the figures for totals and males; 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 in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning in 1962, the introduction of figures from the 1960 census reduced the population by about 50,000, labor force and employment by about 200,000; unemployment totals were

virtually unchanged. In addition, beginning in 1972, information from the 1970 census was introduced into the estimation procedures, producing an increase in the civilian noninstitutional population of about 800,000; labor force and employment totals were raised by a little more than 300,000, and unemployment levels and rates were essentially unchanged. A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment affected the white and black and other groups but had little effect on totals. The adjustment resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black and other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black and other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

Beginning in January 1974, the methodology used to prepare independent estimates of the civilian noninstitutional population was modified to an "inflation-deflation" approach. This change in the derivation of the population estimates had its greatest impact on estimates of 20- to 24-year-old males—particularly those of the black-and-other population—but had little effect on 16 and over totals. 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 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 males and 46,000 females. 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 1978, the introduction of an expansion of the sample and revisions in the estimation procedures resulted in an increase of roughly a quarter of a million in the overall 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 determined 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 1979, the first-stage ratio estimation method was changed in the CPS estimation procedure. The new procedure is described in the *Estimating Methods* section. 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*. Differences between the old and new procedures exist only for metropolitan and nonmetropolitan estimates, not for the total U.S.

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 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 on 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 referenced 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.

Changes in the occupational classification system

Beginning with 1971, the comparability of occupational employment data was affected as a result of changes in census occupational classifications introduced into the Current Population Survey (CPS). These changes stemmed from an exhaustive review of the classification system to be used for the 1970 Census of Population. The purpose of this review, the most comprehensive since the 1940 census, was to reduce the size of larger groups, to be more specific about general and "not elsewhere classified" groups, and to provide information on emerging significant occupations. Differences in March 1970 employment levels tabulated on both the 1960 and 1970 classification systems ranged from a drop 650,000 in operatives to an increase of 570,000 in service workers, much of which resulted from a shift between these two groups; the nonfarm laborers group increased by 420,000, and changes in other groups amounted to 220,000 or less.

An additional major group was created by splitting the operatives category into two: Operatives, except transport, and transport equipment operatives. Separate data for these two groups first became available in January 1972. At the same time, several changes in titles, as well as in order of presentation, were introduced; for example, the title of the managers, officials, and proprietors group was changed to "managers and administrators, except farm," since only proprietors performing managerial duties are included in the category.

Apart from the effects of revisions in the occupational classification system beginning in 1971, comparability of occupational employment data was further affected in December 1971, when a question eliciting information on major activities or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. This change resulted in several dramatic occupational shifts, particularly from managers and administrators to other groups, thus, meaningful comparisons of occupational levels cannot always be made for 1972 and subsequent years with earlier periods. However, revisions in the occupational classification system as well as in the CPS questionnaire are believed to have had but a negligible impact on unemployment rates.

Additional information on changes in the occupational classification system of the CPS appears in "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*.

Changes in 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, occasionally the sample is expanded in terms of number of sample areas and number of sample persons. In 1953, a rotation plan was introduced in which a sample unit would be interviewed for 4 months, leave the sample for 8 months, and then return to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to the sample 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 with the existing design. A coverage improvement sample, composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 60,000 new construction house units, was included in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction housing 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. In January 1982, about 100 occupied units were added to provide sufficient 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. For a more detailed account of the history of the CPS sample design, see *The Current Population Survey: Design and Methodology*, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce, or *Concepts and Methods used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463.

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 CPS 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 respondent 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 residence categories. For sample areas which are Standard Metropolitan Statistical Areas (SMSA's), these

residence categories are the central cities, and 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. The procedure corrects for the differences that existed at the time of the 1970 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 urban-rural status and race.

b. Second-stage ratio estimate. In this stage, the sample proportions in the categories described below are adjusted to the distribution of independent current estimates of the civilian noninstitutional population in the same categories. The second-stage ratio estimate is performed in order to increase the reliability of the estimates and 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 of the adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates of the civilian noninstitutional population within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of the State population and of the national age-sex-race categories will be virtually equal to the independent population estimates. This second stage adjustment procedure incorporates changes instituted in January 1982. The nature of these changes is discussed in detail in "Revisions in the

Table A. Characteristics of the CPS sample

Time period	Number of sample areas	Households eligible		Households visited 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. 1966	357	33,500	1,500	6,000
Jan. 1967 to July 1971	449	48,000	2,000	8,500
Aug. 1971 to July 1972	449	45,000	2,000	8,000
Aug. 1972 to Dec. 1977	461	45,000	2,000	8,000
Jan. 1978 to Dec. 1979	614	53,500	2,500	10,000
Jan. 1980 to Apr. 1981	629	62,200	2,800	12,000
May 1981 to 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.

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. Descriptions 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 tabulation 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 for the estimate date is derived by subtracting the Armed Forces and the institutional population from the total population including Armed Forces overseas. The institutional population is computed by applying institutional proportions derived from the 1970 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 controls 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. 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 errors. The full extent of nonsampling error is unknown, but special studies have been conducted to quantify some sources of nonsampling error in the CPS as discussed below. The effect of nonsampling error should be small on estimates of relative change, such as month-to-month change. Estimates of monthly levels would be more severely affected by the nonsampling error.

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

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

The effects of some components of nonsampling error in the CPS data can be examined as a result of the rotation plan used for the sample, since the level of the estimates varies by rotation group. A description of these effects appears in the article "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. Overall undercoverage as compared to the level of the decennial census, is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females, 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 the paper, "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 paper "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 *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 sample design, and an estimate and its estimated error were calculated from each sample, then:

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 two 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, as described below, for levels, labor force participation rates, and percentages as pertaining to year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50 and for the 1956-66 period they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates of persons and families for use with the CPS earnings data.

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

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 150,000. The 68 percent confidence interval as shown by these data is from 11,850,000 to 12,150,000. 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 111,000.

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 on 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

Table B. Standard errors for major employment status categories

(In thousands)

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
Total, 16 years and over:		
Civilian labor force	208	161
Employed	229	175
Unemployed	122	123
Males, 20 years and over:		
Civilian labor force	113	95
Employed	131	114
Unemployed	84	85
Females, 20 years and over:		
Civilian labor force	167	124
Employed	168	128
Unemployed	71	74
Both sexes, 16-19 years:		
Civilian labor force	80	85
Employed	85	94
Unemployed	58	72
Black and other, 16 years and over:		
Civilian labor force	73	56
Employed	84	63
Unemployed	59	62
Males, 20 years and over:		
Civilian labor force	40	34
Employed	49	43
Unemployed	40	42
Females, 20 years and over:		
Civilian labor force	62	46
Employed	62	48
Unemployed	36	40
Both sexes, 16-19 years:		
Civilian labor force	33	37
Employed	31	36
Unemployed	28	30

by multiplying the standard error from table H by the appropriate factor from table I. When the numerator and denominator of the percentage are in different categories, use the factor indicated by the numerator of the percentage.

Illustration. For example, assume that in a given month 3.6 percent of a total of 90,771,000 employed persons are employed in agriculture. First the standard error on an estimate of 3.6 percent with a base of 90,771,000 is obtained from table H (0.09 percentage point). The appropriate factor from table I for the numerator of the percentage, agricultural employment, is 1.26. The generalized standard error on the estimated 3.6 percent is then approximately $0.09 \times 1.26 = 0.11$ 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. For example, suppose that one is interested in the year-to-year change of a monthly unemployment rate. Let us assume that for a certain month the unemployment rate is 6.9 percent based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent based on a total of 94,254,000 in the civilian labor force for the month. First, the standard error on the average of the two estimates, 6.5 percent with a base

of 94,965,000, is obtained from table F (0.11 percentage point). The appropriate factor then from table J is 1.40. The approximate standard error on the change of 0.8 percent is then given by $0.11 \times 1.40 = 0.15$ percentage point.

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

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

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 C. Standard errors for unemployment rates by major characteristics

Selected categories	Standard error of-		Selected categories	Standard error of-	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers)	0.12	0.12	OCCUPATION		
Males, 20 years and over .....	.15	.15	Blue-collar workers—Continued		
Females, 20 years and over .....	.17	.18	Craft and kindred workers	0.33	0.37
Both sexes, 16-19 years .....	.57	.67	Operatives, except transport .....	.44	.50
White workers .....	.12	.12	Transport equipment operatives .....	.70	.77
Black (and other) workers .....	.46	.49	Nonfarm laborers .....	.71	.81
Married men, spouse present .....	.15	.16	Service workers .....	.32	.36
Married women, spouse present .....	.21	.23	Farm workers .....	.54	.62
Full-time workers .....	.12	.13	INDUSTRY		
Part-time workers .....	.32	.40	Nonagricultural private wage and		
Unemployed 15 weeks and over .....	.06	.07	salary workers .....	.13	.13
OCCUPATION			Construction .....	.59	.70
White-collar workers .....	.12	.13	Manufacturing .....	.27	.30
Professional and technical .....	.18	.20	Durable goods .....	.37	.41
Managers and administrators,			Nondurable goods .....	.39	.45
except farm .....	.20	.23	Transportation and public utilities .....	.38	.42
Sales workers .....	.36	.41	Wholesale and retail trade .....	.26	.29
Clerical workers .....	.23	.25	Finance and service industries .....	.17	.19
Blue-collar workers .....	.24	.26	Government workers .....	.20	.23
			Agricultural wage and salary workers	1.07	1.26

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 and other	Total or white, 16-19 years	Black and other, 16-19 years	Total or white males only, or females only	Black and other males only, or females only	Total or white	Black and other
50	13	10	10	10	10	9	9	10	11
100	18	14	14	14	14	13	13	14	15
500	41	32	32	32	28	30	29	31	33
1,000	57	45	44	44	33	42	40	44	46
2,000	81	64	60	60	13	59	52	62	63
4,000	113	90	79	77	-	82	60	87	83
6,000	137	109	88	84	-	99	53	106	93
8,000	-	125	90	84	-	113	16	122	-
10,000	-	139	87	76	-	124	-	135	-
15,000	-	166	36	-	-	146	-	163	-
20,000	-	188	-	-	-	161	-	182	-
30,000	-	219	-	-	-	177	-	-	-
40,000	-	249	-	-	-	178	-	-	-
50,000	-	253	-	-	-	164	-	-	-
60,000	-	260	-	-	-	131	-	-	-
70,000	-	260	-	-	-	49	-	-	-
80,000	-	254	-	-	-	-	-	-	-
100,000	-	221	-	-	-	-	-	-	-
120,000	-	143	-	-	-	-	-	-	-

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 and other	Total or white, 16-19 years	Black and other, 16-19 years	Total or white	Both sexes 16-19 years, or part-time labor force ²	Black and other	Black and other, 16-19 years
50	8	8	12	12	11	12	12	12
100	11	11	17	17	16	17	16	17
500	24	23	37	33	35	39	36	34
1,000	34	33	52	37	48	55	49	39
2,000	47	45	70	-	68	77	65	-
4,000	66	58	89	-	93	107	80	-
6,000	81	65	96	-	110	129	-	-
8,000	93	68	93	-	123	147	-	-
10,000	103	65	78	-	132	162	-	-
15,000	123	33	-	-	145	191	-	-
20,000	130	-	-	-	146	211	-	-
30,000	163	-	-	-	-	-	-	-
40,000	179	-	-	-	-	-	-	-
50,000	189	-	-	-	-	-	-	-
60,000	194	-	-	-	-	-	-	-
70,000	195	-	-	-	-	-	-	-
80,000	191	-	-	-	-	-	-	-
100,000	179	-	-	-	-	-	-	-
120,000	119	-	-	-	-	-	-	-

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	2.05	2.88	4.49	6.18	7.36	8.25	8.93	9.46	9.85	10.36
100	1.45	2.04	3.18	4.37	5.20	5.83	6.32	6.69	6.97	7.33
500 .....	.65	.91	1.42	1.96	2.33	2.61	2.82	2.99	3.12	3.28
1,000 .....	.46	.65	1.01	1.38	1.65	1.84	2.00	2.12	2.21	2.32
2,000 .....	.32	.46	.71	.98	1.17	1.31	1.42	1.50	1.56	1.64
4,000 .....	.23	.32	.50	.69	.83	.92	1.00	1.06	1.10	1.16
6,000 .....	.19	.26	.41	.57	.67	.75	.82	.86	.90	.94
10,000 .....	.15	.21	.32	.44	.52	.59	.63	.67	.70	.73
20,000 .....	.11	.15	.23	.31	.37	.41	.45	.47	.49	.51
60,000 .....	.06	.08	.12	.17	.20	.23	.25	.26	.27	.28
100,000 .....	.04	.06	.10	.13	.16	.18	.19	.20	.21	.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	5.12	7.10	8.52	9.64	10.05	11.39	11.97	12.55
100	1.64	2.32	3.62	5.02	6.02	6.81	7.11	8.05	8.39	8.87
500 .....	.74	1.04	1.62	2.25	2.69	3.04	3.17	3.58	3.73	3.93
1,000 .....	.52	.73	1.15	1.59	1.90	2.15	2.24	2.52	2.62	2.74
2,000 .....	.37	.52	.81	1.12	1.34	1.51	1.57	1.76	1.83	1.89
4,000 .....	.26	.37	.57	.79	.94	1.06	1.10	1.22	1.26	1.26
6,000 .....	.21	.30	.47	.64	.76	.86	.89	.97	1.00	-
10,000 .....	.16	.13	.36	.49	.59	.65	.67	.72	-	-
20,000 .....	.11	.15	.24	.33	.39	.44	.48	.51	-	-
60,000 .....	.06	.09	.13	.18	.21	.22	.23	-	-	-
100,000 .....	.05	.07	.10	.13	.14	.14	-	-	-	-

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	2.03	2.85	4.44	6.12	7.28	8.15	8.83	9.34	9.72	10.19
100	1.43	2.02	3.14	4.32	5.15	5.77	6.24	6.61	6.88	7.21
500 .....	.64	.90	1.41	1.93	2.30	2.58	2.79	2.95	3.07	3.22
1,000 .....	.45	.64	.99	1.37	1.63	1.82	1.97	2.09	2.17	2.28
2,000 .....	.32	.45	.70	.97	1.15	1.29	1.40	1.48	1.54	1.61
4,000 .....	.23	.32	.50	.68	.81	.91	.99	1.04	1.09	1.14
6,000 .....	.19	.26	.41	.56	.66	.74	.81	.85	.89	.93
10,000 .....	.14	.20	.31	.43	.51	.58	.62	.66	.69	.73
20,000 .....	.10	.14	.22	.31	.36	.41	.44	.47	.49	.51
40,000 .....	.07	.10	.16	.22	.26	.29	.31	.33	.34	.36
60,000 .....	.06	.08	.13	.18	.21	.24	.25	.27	.28	.29
80,000 .....	.05	.07	.11	.15	.18	.20	.22	.23	.24	.25
100,000 .....	.05	.06	.10	.14	.16	.18	.20	.21	.22	.23
160,000 .....	.04	.05	.08	.11	.13	.14	.16	.17	.17	.18

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 data and unemployment data:			Total or white:		
Total	1.00	.74	Total .....	.97	1.08
Males only .....	.93	.84	Both sexes, 16-19 years .....	.97	1.21
Females only .....	.86	.75	Black and other:		
Both sexes, 16-19 years	1.00	1.18	Total	1.04	1.13
Part-time labor force	1.00	1.18	Both sexes, 16-19 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	Factors				
	Year-to-year change of monthly estimate	Quarterly averages	Change in quarterly averages	Yearly averages	Change in yearly averages
Agricultural employment:					
Total or males	1.30	0.89	0.80	0.72	0.70
Females or teenagers (16-19 years)	1.30	.83	.80	.58	.70
Part time	1.40	.74	.80	.46	.70
Labor force data other than agricultural employment data and unemployment data:					
Total or white	1.30	.88	.88	.67	.70
Black and other or teenagers (16-19 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

(In thousands)

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

Establishment Data (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 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), record-keeping, 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 as unpaid absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

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 the 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 adjustment is made for other premium pay-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 levels 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 employment 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

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.

various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1981 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 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 1981 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, 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

Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1981

Industry division	Benchmark, March 1981	Estimate, March 1981	Percent difference
Total	90,371,000	90,720,000	-0.4
Mining	1,107,000	1,084,000	2.1
Construction	3,934,000	4,048,000	-2.9
Manufacturing	20,085,000	20,016,000	-4
Transportation and public utilities	5,102,000	5,095,000	.1
Wholesale and retail trade	20,096,000	20,290,000	-1.0
Finance, insurance, and real estate	5,239,000	5,263,000	-.5
Services	18,340,000	18,287,000	.3
Government	16,468,000	16,493,000	-2

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 response errors, the benchmark revision

Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1981¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	177,500	35,740,500	40
Mining	2,400	387,000	35
Construction	17,300	677,000	17
Manufacturing	45,000	10,951,000	55
Transportation and public utilities:			
Railroad transportation (ICC)	37	459,500	92
Other transportation and public utilities	8,100	2,717,000	53
Wholesale and retail trade	43,900	3,398,000	17
Finance, insurance, and real estate	12,200	1,950,000	37
Services	28,700	3,787,000	21
Government:			
Federal ²	4,900	2,769,000	100
State and local	15,000	8,645,000	63

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

² National estimates of Federal employment by agency are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 4,900 reports covering about 60 percent of employment in Federal establishments.

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 six most recent benchmarks (excluding the March 1973 adjustment) for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

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

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

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

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

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

(In percent)

Industry division	Average benchmark revision in estimates of employment ¹	Relative errors ²	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment	0.3	-	-
Total private .....	.3	0.1	0.2
Mining	1.3	.5	.5
Construction	2.2	.2	.3
Manufacturing .....	.4	.1	.1
Durable goods .....	.4	.1	.1
Nondurable goods .....	.5	.1	.1
Transportation and public utilities .....	.4	.7	.4
Trade .....	.5	.1	.2
Wholesale .....	.7	.2	.3
Retail .....	.6	.2	.2
Finance, insurance, and real estate .....	.5	.2	.4
Services .....	.7	.4	.8
Government ³ .....	.5	-	-

¹ The average percent revision in employment for the following benchmarks: 1971, 1974, 1978, 1979, 1980 and 1981.

² Relative errors relate to March 1971 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.

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	0.9	1.5
100,000	4,400	.7	1.1
200,000	7,100	.5	.9
500,000	15,200	.4	.8
1,000,000	17,100	.3	.5
2,000,000	28,500	.3	.5

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to March 1971 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.

Table Q. Errors of preliminary employment estimates

Category	Root-mean-square error of—	
	Monthly level	Month-to-month change
INDUSTRY DIVISIONS		
Total nonagricultural employment	84,000	72,000
Goods-producing	39,000	34,000
Mining	5,000	5,000
Construction	18,000	16,000
Manufacturing	31,000	28,000
Durable two-digit industries	6,300	5,700
Nondurable two-digit industries	4,200	3,900
Service-producing	63,000	57,000
Transportation and public utilities	13,000	14,000
Wholesale and retail trade	30,000	27,000
Finance, insurance, and real estate	8,000	7,000
Services	31,000	25,000
Government	50,000	38,000

NOTE: Division level data are based on differences from January 1976 through December 1981. Two-digit industry data are based on differences from January 1981 through February 1982.

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

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

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 labor input, or labor productivity, measure changes in the volume of goods and services produced per unit of labor.

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 sup-

plementary payments for the self-employed, except for nonfinancial corporations, in which there are no self-employed.

Real compensation per hour is compensation per hour adjusted to eliminate the effect of changes in the Consumer Price Index for All Urban Consumers (CPI-U).

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

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

Notes on the data

For the private business sector and the nonfarm business sector, these indexes relate to the gross domestic product less household and institutions, owner-occupied housing, and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the gross domestic product of nonfinancial corporate business.

Manufacturing data have been revised to reflect the revisions in the Federal Reserve Board Index of Industrial Production. 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 Comprehensive Employment and Training Act, the Public Works Employment Act, and the Public Workers 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 areas 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 employment and unemployment estimates in the remaining 40 States and 214 labor market areas are prepared in several stages.

1. *Preliminary estimate—employment*: The total employment estimate is based primarily 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 major categories of employ-

ment by class of worker and industry 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.

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 persons 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 non-covered 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 the 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 both 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 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 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 these 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 data are published regularly in *Employment and Earnings*.

The seasonal adjustment program used for these series are based on an *adaptation* of the standard ratio-to-moving average method. They provide for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description of the method is given in the publication, *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, the 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. 12-564-E, February 1980. The X-11 procedure was originally developed at the Bureau of the Census and had been used by the BLS to seasonally adjust labor force series since 1973. Tests have shown that use of the X-11 ARIMA procedure,

which essentially place 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 being calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, the BLS will calculate and publish (in *Employment and Earnings*) a new 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 will continue to be made once a year, 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 civilian 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 (males and females under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. In order to provide seasonally adjusted total employment and civilian labor force estimates, the appropriate series are aggregated. The official unemployment rate for all civilian workers is derived by dividing the estimate for total unemployment (the sum of 4 seasonally adjusted sex-age components) by the civilian labor force (the sum of 12 seasonally adjusted sex-age components).

Revised seasonally adjusted data for selected labor force series based on the experience through December 1981, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1982, and a description of the current seasonal adjustment methodology are published in the February 1982 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the 1970-81 revision period for a broader range of labor force series also appear in the February 1982 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from the 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 of 1982. 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 non-supervisory 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. Beginning with data for July 1981, these failed or unsatisfactory seasonally adjusted series are used in the aggregation to broader level seasonally adjusted series. In prior months, the unadjusted series were used in the aggregation process.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service in December. The employment of these workers constitutes the only significant seasonal change in Federal Government employment during the winter months. Furthermore, the volume of such employment may change substantially from year to year because of administrative decisions by the Postal Service. Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based.

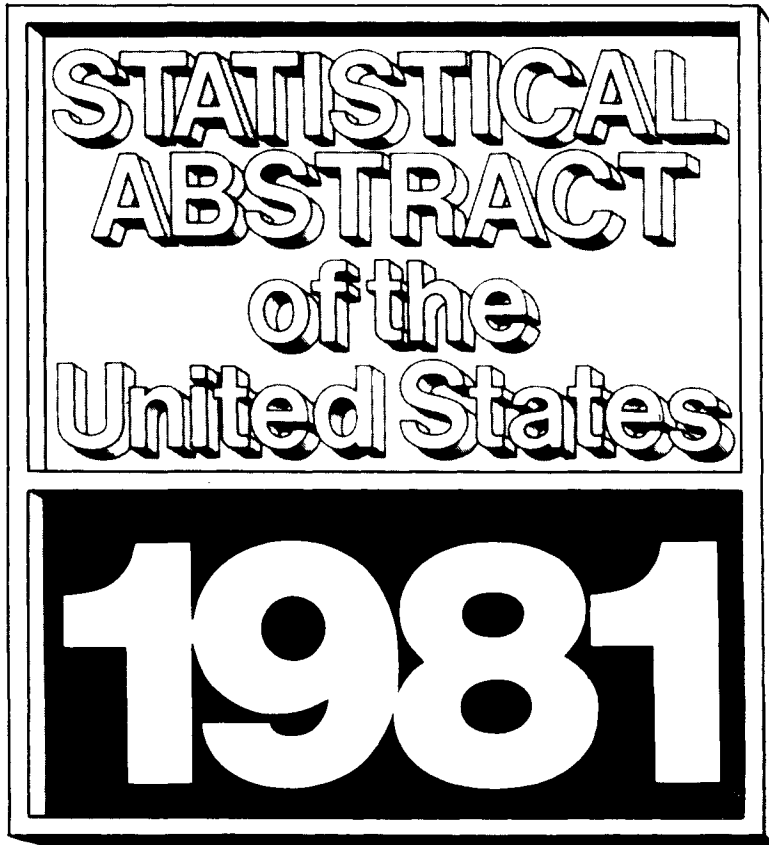
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