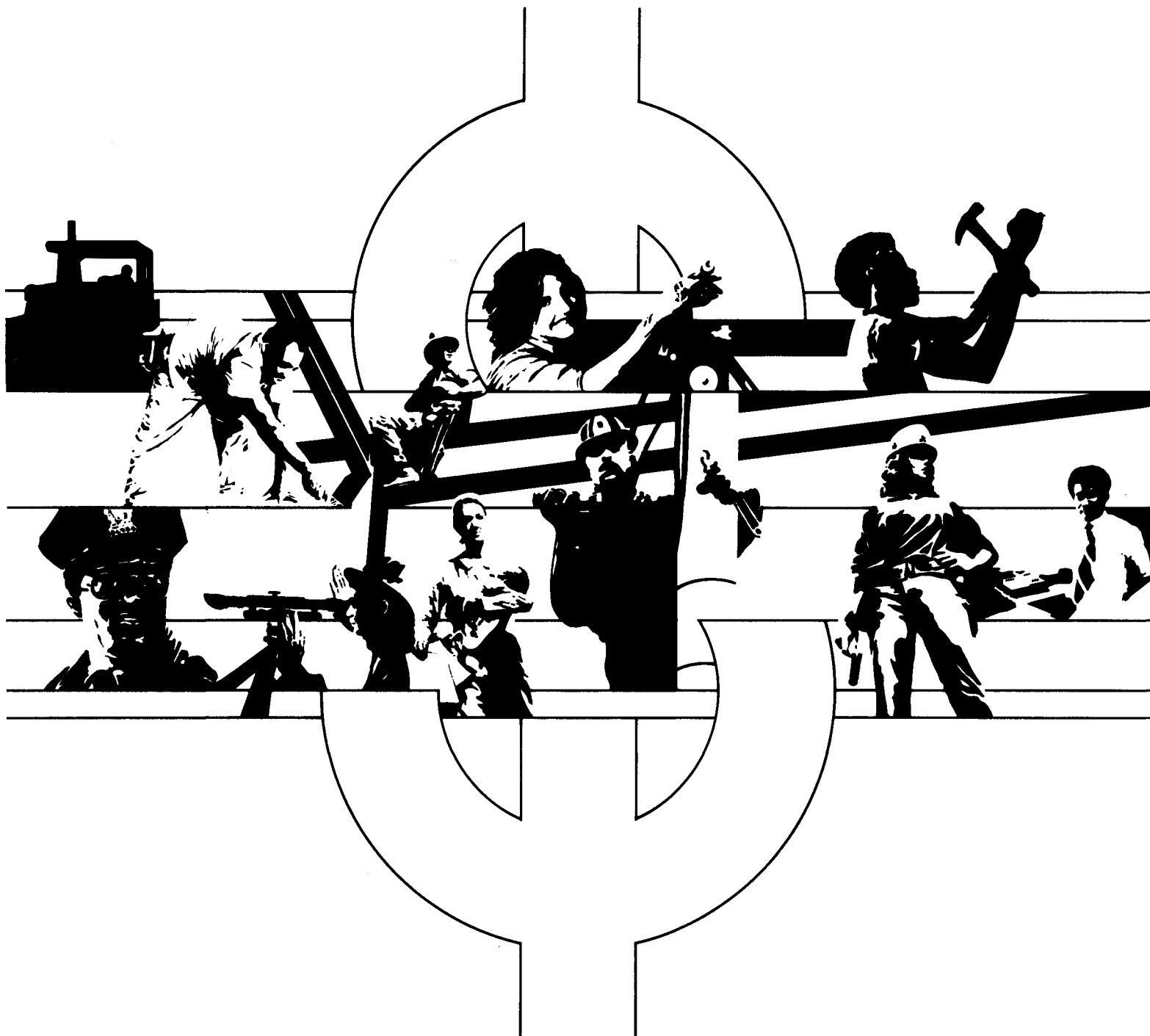


Employment and Earnings October 1981



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:

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

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State and area annual averages	May
Area definitions	May

State and area unemployment data

Annual averages	May ⁴
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¹ The issue that introduces new benchmark varies. The July 1981 issue introduced March 1980 benchmarks.

² Month of publication of annual supplement varies. The latest supplement was published in August 1981.

³ Issue varies. Latest revised data introduced July 1981.

⁴ These data first introduced in the May 1981 issue.

Employment and Earnings

Vol. 28 No. 10 October 1981

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

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Employment and Unemployment Developments, September 1981

The overall employment situation continued to show weakness in September. The jobless rate was 7.5 percent, up from 7.2 percent in August and 7.0 percent in July.

Total employment—as derived from the monthly survey of households—fell by 675,000 in September to 98.3 million. In contrast, nonfarm payroll employment—as derived from the monthly survey of establishments—was about unchanged at 91.9 million. Both employment series had shown little movement in August.

Unemployment

The Nation's unemployment rate in September, 7.5 percent, and the number of unemployed persons, 8 million, were both up markedly from August. The increase was concentrated among persons 25 years and over, both men and women. Unemployment among persons 20-24 years, which had shown considerable volatility in recent months, was about unchanged in September. (See tables A-38 and A-41.)

Although joblessness among teenagers was also little changed over the month, there were contrasting movements among the racial groups. The rate for black and other teenagers, 37.5 percent, returned to about the July level after an abnormally sharp increase to 45.7 percent in August, while the rate for white teenagers rose 1.4 percentage points to 17.0 percent. Overall, the jobless rate for whites increased by 0.4 point to 6.5 percent in September, while the rate for black and other workers was unchanged at 15.1 percent. Black joblessness remained above the levels recorded at the height of the 1980 recession, whereas white jobless rates were still slightly below recession highs. (See table A-35.)

The number of unemployed persons who lost their last jobs rose 410,000 to 4.3 million in September; this increase was about equally split between layoffs and permanent separations. Job-loss unemployment accounted for more than 53 percent of total joblessness—the highest share this year. (See table A-39.) The number of persons unemployed less than 15 weeks increased, while long-term joblessness (15 weeks or longer) was unchanged in September. Consequently, the average (mean) duration of unemployment declined

over the month to 13.7 weeks. However, the median remained at 7.0 weeks, the level that had prevailed in the prior 2 months. (See table A-37.)

The number of persons working part time for economic reasons, sometimes referred to as the "partially unemployed," also rose in September, reaching a record high of 4.5 million. Most of this increase occurred among persons working part time because they couldn't find full-time jobs. (See table A-42.)

Total employment and the labor force

Total employment fell 675,000 over the month on a seasonally adjusted basis to 98.3 million, and the employment-population ratio dropped 0.5 percentage point to 58.1 percent. The entire decline occurred among white workers, primarily adult women. Employment among black and other workers held steady at 10.9 million, the level that has prevailed over the past several months. Total employment in September was 1 million below its all-time high reached in May, though still 1.0 million above the year-earlier level. (See tables A-33 and A-35.)

The civilian labor force decreased 370,000 to 106.2 million in September. This decline was concentrated among adult women, as their participation rate fell from 52.4 to 51.8 percent. The overall labor force was only 1.2 million above the year-ago level.

Discouraged workers

The number of discouraged workers, at 1.1 million, was up slightly in the third quarter of 1981. (These are persons who report that they want to work but are not looking for jobs because they believe they cannot find any.) Those who attributed their situation to job-market factors (about 70 percent of the discouraged total) accounted for the entire over-the-quarter increase. (See table A-53.)

Industry payroll employment

Total nonagricultural payroll employment, at 91.9 million in September, was about unchanged from the levels of the previous 2 months. This stability was in marked contrast to the job increases registered during the first half of the year. Although payroll job growth has slowed considerably in the last quarter, the number

of nonfarm jobs was 1.4 million higher than a year earlier. (See table B-4.)

Employment in manufacturing was unchanged from August, as small gains in several nondurable goods industries were partially offset by a drop in lumber and wood products. Employment in construction, which had shown some growth in the latter part of 1980 and early months of 1981, fell by 20,000 in September and has declined by 165,000 since April. The number of construction jobs in September was below the July 1980 recession trough level. Employment did rise in mining, however, as a result of continued strength in oil and gas extraction.

Employment in State and local government showed a 145,000 decline after adjustment for seasonality. On an unadjusted basis, State and local government posted an over-the-month increase of about 350,000, which was not as large as usually occurs at this time of year. This smaller than usual job gain was largely the result of fewer teachers and other school personnel being hired or rehired by local school systems at the beginning of the school year. Some of the decline was also the result of a teachers' strike in the Philadelphia school system. Elsewhere in the service-producing sector, job gains continued in the services industry, as employment rose by 85,000 over the month.

Hours of work

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls dropped 0.3 hour to 34.9 hours in September. This decline may be related to the unusual occurrence of the Labor Day holiday in the survey's reference week. Since establishment payroll records report the number of hours paid, the decline in hours may be overstated to the extent that some persons were not paid for the holiday and others worked fewer overtime hours. This was par-

ticularly evident in manufacturing, where the workweek was down 0.9 hour to 39.1 and overtime hours were off by 0.4 hour to 2.6 hours. (See table C-6.)

As a result of the decline in the average workweek, the index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls decreased 0.9 percent in September to 108.4 (1977 = 100). The manufacturing index declined sharply from August—1.9 percent. Both indexes were up by a little over 1 percent from September 1980. (See table C-7.)

Hourly and weekly earnings

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls were unchanged over the month (seasonally adjusted). Average weekly earnings, however, showed a decline of 0.9 percent due to the reduction in average hours. Before adjustment for seasonality, average hourly earnings moved up 7 cents in September to \$7.37, 58 cents above the year-earlier level. Average weekly earnings were \$257.95, down \$1.93 from August but \$18.26 higher than September a year ago. (See tables C-1 and C-8.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 141.0 (1977 = 100) after seasonal adjustment in September, an increase of 0.3 percent over the previous month. For the 12 months ended in September, the increase (before seasonal adjustment) was 9.0 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 decreased 1.4 percent during the 12-month period ended in August. (See table C-8.)

Revisions to household data series

Effective with data for January 1982, population counts derived from the 1980 Decennial Census will be introduced into the estimation procedures used in the Current Population Survey. Data for 1980 and 1981 will be revised based on the new census population estimates. Provisional adjustments in the major data series for 1979 back to 1970 will also be made and will be introduced with the release of January 1982 data.

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	Agri- culture	Nonagri- cultural 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	80,793	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.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,596	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	55,666
1972 ¹	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973 ¹	148,263	91,040	61.4	88,714	84,409	3,452	80,957	4,304	4.9	57,222
1974.....	150,827	93,240	61.8	91,011	85,935	3,492	82,443	5,076	5.6	57,587
1975.....	153,449	94,793	61.8	92,613	84,783	3,380	81,403	7,830	8.5	58,655
1976.....	156,048	96,917	62.1	94,773	87,485	3,297	84,188	7,288	7.7	59,130
1977.....	158,559	99,534	62.8	97,401	90,546	3,254	87,302	6,855	7.0	59,025
1978.....	161,058	102,537	63.7	100,420	94,373	3,342	91,031	6,047	6.0	58,521
1979.....	163,620	104,996	64.2	102,908	96,945	3,297	93,648	5,963	5.8	58,623
1980.....	166,246	106,821	64.3	104,719	97,270	3,310	94,960	7,444	7.1	60,005
Monthly data, seasonally adjusted²										
1980:										
September	166,789	107,101	64.2	104,980	97,180	3,399	93,781	7,800	7.4	59,687
October...	167,005	107,288	64.2	105,167	97,206	3,319	93,887	7,961	7.6	59,717
November...	167,201	107,404	64.2	105,285	97,339	3,340	93,999	7,946	7.5	59,797
December...	167,396	107,191	64.0	105,067	97,282	3,394	93,888	7,785	7.4	60,205
1981:										
January...	167,585	107,668	64.2	105,543	97,696	3,403	94,294	7,847	7.4	59,917
February...	167,747	107,802	64.3	105,681	97,927	3,281	94,646	7,754	7.3	59,946
March.....	167,902	108,305	64.5	106,177	98,412	3,276	95,136	7,764	7.3	59,598
April.....	168,071	108,851	64.8	106,722	98,976	3,463	95,513	7,746	7.3	59,219
May.....	168,272	109,533	65.1	107,406	99,235	3,353	95,882	8,171	7.6	58,739
June.....	168,480	108,307	64.3	106,176	98,392	3,265	95,127	7,784	7.3	60,173
July.....	168,685	108,603	64.4	106,464	98,962	3,258	95,704	7,502	7.0	60,082
August....	168,855	108,762	64.4	106,602	98,944	3,370	95,574	7,657	7.2	60,093
September	169,049	108,401	64.1	106,236	98,270	3,310	94,959	7,966	7.5	60,648

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 nonin- stitutional 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	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973 ¹	71,020	56,479	79.5	54,203	51,963	2,833	49,130	2,240	4.1	14,541
1974.....	72,253	57,349	79.4	55,186	52,518	2,900	49,618	2,668	4.8	14,904
1975.....	73,494	57,706	78.5	55,615	51,230	2,801	48,429	4,385	7.9	15,788
1976.....	74,739	58,397	78.1	56,359	52,391	2,716	49,675	3,968	7.0	16,341
1977.....	75,981	59,467	78.3	57,449	53,861	2,639	51,222	3,588	6.2	16,514
1978 ¹	77,169	60,535	78.4	58,542	55,491	2,681	52,810	3,051	5.2	16,634
1979.....	78,397	61,466	78.4	59,517	56,499	2,645	53,854	3,018	5.1	16,931
1980.....	79,642	62,088	78.0	60,145	55,988	2,664	53,324	4,157	6.9	17,554
Monthly data, seasonally adjusted²										
1980:										
September..	79,897	62,278	77.9	60,320	55,754	2,726	53,028	4,566	7.6	17,619
October....	80,000	62,335	77.9	60,379	55,881	2,668	53,213	4,498	7.4	17,665
November..	80,091	62,342	77.8	60,388	55,897	2,691	53,206	4,491	7.4	17,749
December..	80,183	62,213	77.6	60,254	55,920	2,651	53,269	4,334	7.2	17,970
1981:										
January....	80,272	62,320	77.6	60,366	56,012	2,712	53,300	4,353	7.2	17,952
February..	80,346	62,288	77.5	60,338	56,045	2,586	53,459	4,293	7.1	18,058
March.....	80,415	62,582	77.8	60,628	56,383	2,599	53,784	4,245	7.0	17,833
April.....	80,492	62,848	78.1	60,893	56,688	2,785	53,903	4,205	6.9	17,644
May.....	80,588	63,198	78.4	61,245	56,718	2,692	54,026	4,527	7.4	17,390
June.....	80,687	62,288	77.2	60,335	56,026	2,646	53,380	4,309	7.1	18,399
July.....	80,783	62,433	77.3	60,473	56,494	2,631	53,864	3,979	6.6	18,350
August....	80,863	62,564	77.4	60,584	56,368	2,716	53,652	4,216	7.0	18,300
September	80,955	62,682	77.4	60,699	56,349	2,644	53,705	4,349	7.2	18,273
FEMALES										
Annual averages										
1972 ¹	75,911	33,320	43.9	33,277	31,072	633	30,439	2,205	6.6	42,591
1973 ¹	77,242	34,561	44.7	34,510	32,446	619	31,827	2,064	6.0	42,681
1974.....	78,575	35,892	45.7	35,825	33,417	592	32,825	2,408	6.7	42,683
1975.....	79,954	37,087	46.4	36,998	33,553	579	32,973	3,445	9.3	42,868
1976.....	81,309	38,520	47.4	38,414	35,095	582	34,513	3,320	8.6	42,789
1977.....	82,577	40,067	48.5	39,952	36,685	605	36,080	3,267	8.2	42,510
1978 ¹	83,890	42,002	50.1	41,878	38,882	661	38,221	2,496	7.2	41,887
1979.....	85,223	43,531	51.1	43,391	40,446	652	39,794	2,945	6.8	41,692
1980.....	86,604	44,733	51.7	44,574	41,283	646	40,637	3,291	7.4	41,871
Monthly data, seasonally adjusted²										
1980:										
September	86,892	44,823	51.6	44,660	41,426	673	40,753	3,234	7.2	42,069
October..	87,006	44,953	51.7	44,788	41,325	651	40,674	3,463	7.7	42,053
November..	87,110	45,062	51.7	44,897	41,442	649	40,793	3,455	7.7	42,048
December..	87,213	44,978	51.6	44,813	41,362	743	40,619	3,451	7.7	42,235
1981:										
January....	87,313	45,349	51.9	45,178	41,684	691	40,993	3,493	7.7	41,964
February..	87,402	45,513	52.1	45,343	41,882	695	41,187	3,461	7.6	41,888
March.....	87,487	45,723	52.3	45,549	42,029	677	41,352	3,519	7.7	41,764
April.....	87,578	46,003	52.5	45,829	42,288	678	41,610	3,541	7.7	41,575
May.....	87,684	46,335	52.8	46,161	42,517	661	41,856	3,644	7.9	41,349
June.....	87,793	46,020	52.4	45,842	42,366	619	41,747	3,475	7.6	41,774
July.....	87,901	46,170	52.5	45,991	42,467	627	41,840	3,524	7.7	41,732
August....	87,991	46,198	52.5	46,018	42,577	654	41,922	3,441	7.5	41,793
September	88,094	45,719	51.9	45,537	41,920	666	41,254	3,617	7.9	42,375

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 1981										
	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	62,266	76.9	60,283	56,406	3,877	6.4	18,689	363	4,308	1,677	12,341
16 to 21 years	8,092	64.9	7,445	6,226	1,219	16.4	4,382	17	3,560	24	782
16 to 19 years	4,611	56.5	4,340	3,514	826	19.0	3,546	12	2,944	12	577
16 to 17 years	1,757	44.3	1,738	1,390	348	20.0	2,210	3	1,904	6	297
18 to 19 years	2,853	68.1	2,602	2,124	478	18.4	1,335	9	1,041	6	281
20 to 64 years	55,820	89.0	54,108	51,098	3,010	5.6	6,910	173	1,363	1,209	4,166
20 to 24 years	8,984	85.7	8,222	7,245	977	11.9	1,495	10	1,024	44	417
25 to 54 years	39,783	94.2	38,834	37,027	1,806	4.7	2,433	106	334	647	1,344
25 to 29 years	9,003	94.4	8,629	8,053	577	6.7	535	15	201	55	264
30 to 34 years	8,554	95.9	8,287	7,861	427	5.1	361	19	82	75	185
35 to 39 years	6,770	95.9	6,585	6,321	264	4.0	287	31	11	94	149
40 to 44 years	5,553	95.2	5,465	5,261	204	3.7	280	12	23	90	155
45 to 49 years	4,966	93.2	4,937	4,749	188	3.8	361	17	9	121	214
50 to 54 years	4,937	89.0	4,929	4,782	147	3.0	609	12	8	212	377
55 to 64 years	7,054	70.3	7,052	6,826	227	3.2	2,982	57	4	518	2,403
55 to 59 years	4,329	80.7	4,328	4,192	137	3.2	1,037	37	3	241	757
60 to 64 years	2,724	58.3	2,724	2,634	90	3.3	1,946	20	2	277	1,647
65 years and over	1,835	18.2	1,835	1,794	41	2.2	8,233	178	1	455	7,598
65 to 69 years	1,082	28.0	1,082	1,052	30	2.8	2,779	47	1	135	2,596
70 years and over	753	12.1	753	742	11	1.5	5,454	131	--	320	5,093
White											
16 years and over	55,240	77.8	53,711	50,705	3,006	5.6	15,753	269	3,390	1,344	10,750
16 to 21 years	7,093	67.4	6,600	5,655	945	14.3	3,428	6	2,829	19	574
16 to 19 years	4,121	60.2	3,909	3,239	670	17.1	2,729	6	2,289	9	425
16 to 17 years	1,607	48.5	1,591	1,300	290	18.3	1,703	2	1,468	4	230
18 to 19 years	2,514	71.0	2,318	1,939	379	16.4	1,026	4	822	5	195
20 to 64 years	49,441	89.7	48,125	45,821	2,304	4.8	5,652	119	1,100	956	3,476
20 to 24 years	7,748	86.5	7,185	6,462	724	10.1	1,212	3	875	31	303
25 to 54 years	35,259	95.1	34,507	33,121	1,386	4.0	1,835	78	223	499	1,035
25 to 29 years	15,460	96.1	14,966	14,207	759	5.1	635	24	186	97	329
30 to 34 years	10,953	96.1	10,727	10,375	352	3.3	441	33	24	148	236
35 to 44 years	8,846	92.1	8,814	8,539	276	3.1	758	21	13	254	470
55 to 64 years	6,434	71.2	6,432	6,238	194	3.0	2,605	38	2	427	2,139
55 to 59 years	3,936	81.6	3,935	3,822	113	2.9	887	24	1	199	663
60 to 64 years	2,498	59.2	2,498	2,416	82	3.3	1,718	14	1	227	1,476
65 years and over	1,678	18.5	1,678	1,646	32	1.9	7,373	145	1	379	6,849
Black and other											
16 years and over	7,027	70.5	6,572	5,701	871	13.3	2,935	94	918	333	1,590
16 to 21 years	999	51.1	845	571	274	32.4	954	10	731	5	208
16 to 19 years	490	37.5	432	275	157	36.3	817	6	655	3	152
16 to 17 years	150	22.9	148	90	58	39.2	507	2	436	2	67
18 to 19 years	340	52.3	284	186	99	34.8	310	5	219	1	85
20 to 64 years	6,379	83.5	5,983	5,277	705	11.8	1,259	55	263	252	688
20 to 24 years	1,236	81.4	1,037	784	253	24.4	283	7	149	13	115
25 to 54 years	4,523	88.3	4,326	3,906	420	9.7	598	29	112	149	309
25 to 29 years	2,098	88.9	1,950	1,706	244	12.5	262	10	98	34	121
30 to 34 years	1,369	91.6	1,324	1,207	116	8.8	125	10	11	36	68
35 to 44 years	1,057	83.3	1,052	993	59	5.6	212	9	3	78	121
55 to 64 years	620	62.2	620	588	32	5.2	377	19	3	91	264
55 to 59 years	394	72.5	394	370	24	6.1	150	12	2	41	94
60 to 64 years	226	49.9	226	218	8	3.6	228	7	1	49	171
65 years and over	157	15.4	157	148	9	5.8	860	33	--	77	750

HOUSEHOLD DATA

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

[Numbers in thousands]

Sex, age, and race	September 1981										
	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	45,863	52.1	45,681	41,871	3,810	8.3	42,231	31,146	4,297	1,021	5,768
16 to 21 years	6,851	56.1	6,782	5,575	1,207	17.8	5,355	1,091	3,634	16	613
16 to 19 years	3,989	50.0	3,962	3,143	819	20.7	3,983	478	3,039	11	454
16 to 17 years	1,523	39.6	1,522	1,212	310	20.4	2,320	114	2,011	5	189
18 to 19 years	2,466	59.7	2,440	1,931	509	20.9	1,663	364	1,028	6	266
20 to 64 years	40,713	62.0	40,558	37,605	2,953	7.3	24,991	20,991	1,252	487	2,261
20 to 24 years	7,283	69.6	7,194	6,341	854	11.9	3,181	1,943	854	13	370
25 to 54 years	28,799	65.4	28,734	26,835	1,899	6.6	15,226	13,534	385	256	1,051
25 to 29 years	6,618	68.0	6,573	5,980	593	9.0	3,109	2,677	169	25	238
30 to 34 years	6,050	66.1	6,035	5,613	422	7.0	3,107	2,834	82	26	165
35 to 39 years	4,960	67.0	4,956	4,639	317	6.4	2,442	2,197	62	33	151
40 to 44 years	4,215	68.1	4,214	3,939	275	6.5	1,973	1,771	25	33	145
45 to 49 years	3,549	63.0	3,548	3,374	174	4.9	2,088	1,864	24	60	140
50 to 54 years	3,408	57.6	3,408	3,290	118	3.5	2,506	2,192	22	79	213
55 to 64 years	4,631	41.3	4,631	4,430	201	4.3	6,584	5,513	13	218	839
55 to 59 years	2,938	49.7	2,938	2,803	135	4.6	2,972	2,559	7	113	293
60 to 64 years	1,692	31.9	1,692	1,627	66	3.9	3,612	2,955	6	105	546
65 years and over	1,161	8.1	1,161	1,123	38	3.2	13,257	9,677	6	522	3,053
65 to 69 years	717	14.9	717	691	27	3.7	4,088	3,170	4	95	820
70 years and over	444	4.6	444	433	11	2.5	9,169	6,507	2	428	2,232
White											
16 years and over	39,574	51.8	39,443	36,614	2,829	7.2	36,807	27,809	3,347	811	4,840
16 to 21 years	6,036	59.1	5,988	5,093	895	14.9	4,176	860	2,877	4	435
16 to 19 years	3,571	53.7	3,552	2,910	642	18.1	3,080	368	2,381	1	330
16 to 17 years	1,383	43.4	1,382	1,138	244	17.7	1,806	88	1,581	2	137
18 to 19 years	2,188	63.2	2,169	1,772	397	18.3	1,274	280	800	--	194
20 to 64 years	34,963	61.7	34,851	32,691	2,160	6.2	21,727	18,553	966	394	1,813
20 to 24 years	6,266	71.1	6,203	5,625	578	9.3	2,541	1,585	676	12	269
25 to 54 years	24,644	65.1	24,596	23,177	1,419	5.8	13,213	11,924	280	203	805
25 to 29 years	10,729	66.8	10,686	9,944	743	7.0	5,344	4,837	172	41	294
30 to 34 years	7,868	67.1	7,864	7,423	441	5.6	3,858	3,505	69	55	228
35 to 44 years	6,046	60.1	6,046	5,811	235	3.9	4,011	3,582	38	107	283
55 to 64 years	4,053	40.4	4,053	3,890	164	4.0	5,973	5,045	11	179	739
55 to 59 years	2,588	49.1	2,588	2,483	105	4.1	2,680	2,319	5	92	265
60 to 64 years	1,465	30.8	1,465	1,407	58	4.0	3,293	2,725	6	87	474
65 years and over	1,040	8.0	1,040	1,013	27	2.6	12,000	8,888	--	416	2,697
Black and other											
16 years and over	6,289	53.7	6,238	5,256	982	15.7	5,424	3,337	950	210	928
16 to 21 years	814	40.8	794	482	312	39.3	1,179	232	757	12	178
16 to 19 years	418	31.6	410	232	178	43.3	903	110	658	10	124
16 to 17 years	140	21.4	140	74	66	47.2	513	27	431	4	52
18 to 19 years	278	41.6	271	159	112	41.3	390	83	227	7	72
20 to 64 years	5,750	63.8	5,707	4,913	793	13.9	3,264	2,438	286	92	448
20 to 24 years	1,017	61.4	992	716	276	27.8	640	358	179	1	102
25 to 54 years	4,155	67.4	4,138	3,657	480	11.6	2,014	1,611	105	52	246
25 to 29 years	1,938	68.9	1,922	1,650	272	14.2	873	675	79	10	109
30 to 34 years	1,307	70.1	1,306	1,155	151	11.6	558	462	17	11	67
35 to 44 years	910	60.9	910	853	57	6.3	583	474	8	31	70
55 to 64 years	577	48.6	577	540	37	6.4	611	469	2	39	101
55 to 59 years	350	54.6	350	321	30	8.5	292	239	2	22	28
60 to 64 years	227	41.6	227	220	7	3.2	319	229	--	17	72
65 years and over	121	8.8	121	111	11	8.9	1,257	789	5	107	356

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. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981
MALES								
16 years and over	61,858	62,266	77.4	76.9	59,900	60,283	76.9	76.3
16 to 19 years	4,838	4,611	57.9	56.5	4,560	4,340	56.5	55.0
16 to 17 years	1,846	1,757	45.1	44.3	1,828	1,738	44.8	44.0
18 to 19 years	2,992	2,853	70.3	68.1	2,732	2,602	68.3	66.1
20 to 24 years	8,921	8,984	85.8	85.7	8,178	8,222	84.8	84.6
25 to 54 years	39,064	39,783	94.5	94.2	38,129	39,834	94.4	94.1
25 to 34 years	17,104	17,557	95.6	95.1	16,482	16,917	95.5	95.0
35 to 44 years	11,992	12,323	95.8	95.6	11,716	12,050	95.7	95.5
45 to 54 years	9,968	9,903	91.2	91.1	9,931	9,866	91.1	91.0
55 to 64 years	7,158	7,054	72.1	70.3	7,157	7,052	72.1	70.3
55 to 59 years	4,391	4,329	81.7	80.7	4,390	4,328	81.7	80.7
60 to 64 years	2,767	2,724	60.7	58.3	2,767	2,724	60.7	58.3
65 years and over	1,876	1,835	19.0	18.2	1,876	1,835	19.0	18.2
White								
16 years and over	54,871	55,240	78.2	77.8	53,355	53,711	77.7	77.3
16 to 19 years	4,261	4,121	60.5	60.2	4,050	3,909	59.3	58.9
16 to 17 years	1,663	1,607	48.4	48.5	1,648	1,591	48.2	48.3
18 to 19 years	2,598	2,514	72.0	71.0	2,402	2,318	70.4	69.3
20 to 24 years	7,697	7,748	86.4	86.5	7,144	7,185	85.5	85.6
25 to 54 years	34,666	35,259	95.3	95.1	33,916	34,507	95.2	95.0
25 to 34 years	15,060	15,460	96.2	96.1	14,573	14,966	96.1	95.9
35 to 44 years	10,683	10,953	96.5	96.1	10,453	10,727	96.4	96.0
45 to 54 years	8,923	8,846	92.2	92.1	8,890	8,814	92.2	92.1
55 to 64 years	6,533	6,434	72.9	71.2	6,532	6,432	72.9	71.2
55 to 59 years	3,995	3,936	82.5	81.6	3,994	3,935	82.5	81.6
60 to 64 years	2,538	2,498	61.6	59.2	2,538	2,498	61.6	59.2
65 years and over	1,713	1,678	19.3	18.5	1,713	1,678	19.3	18.5
Black and other								
16 years and over	6,988	7,027	72.0	70.5	6,545	6,572	70.7	69.1
16 to 19 years	577	490	44.1	37.5	510	432	41.1	34.6
16 to 17 years	183	150	27.7	22.9	181	148	27.4	22.6
18 to 19 years	394	340	60.9	52.3	330	284	56.6	47.9
20 to 24 years	1,225	1,236	82.3	81.4	1,034	1,037	79.7	78.6
25 to 54 years	4,398	4,523	89.0	88.3	4,213	4,326	88.5	87.8
25 to 34 years	2,043	2,098	91.3	88.9	1,909	1,950	90.7	88.2
35 to 44 years	1,309	1,369	90.4	91.6	1,263	1,324	90.1	91.4
45 to 54 years	1,045	1,057	83.2	83.3	1,041	1,052	83.1	83.2
55 to 64 years	625	620	64.5	62.2	625	620	64.5	62.2
55 to 59 years	396	394	74.3	72.5	396	394	74.3	72.5
60 to 64 years	229	226	52.5	49.9	229	226	52.5	49.9
65 years and over	163	157	16.4	15.4	163	157	16.4	15.4

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. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981
FEMALES								
16 years and over	44,983	45,863	51.8	52.1	44,820	45,681	51.7	52.0
16 to 19 years	4,193	3,989	51.4	50.0	4,164	3,962	51.2	49.9
16 to 17 years	1,660	1,523	41.9	39.6	1,659	1,522	41.9	39.6
18 to 19 years	2,533	2,466	60.3	59.7	2,505	2,440	60.1	59.5
20 to 24 years	7,211	7,283	69.5	69.6	7,131	7,194	69.2	69.3
25 to 54 years	27,815	28,799	64.5	65.4	27,760	28,734	64.4	65.4
25 to 34 years	12,011	12,667	65.7	67.1	11,961	12,608	65.6	67.0
35 to 44 years	8,721	9,175	66.0	67.5	8,716	9,170	66.0	67.5
45 to 54 years	7,083	6,957	61.0	60.2	7,083	6,956	60.9	60.2
55 to 64 years	4,622	4,631	41.6	41.3	4,622	4,631	41.6	41.3
55 to 59 years	2,870	2,938	48.5	49.7	2,870	2,938	48.5	49.7
60 to 64 years	1,752	1,692	33.8	31.9	1,752	1,692	33.8	31.9
65 years and over	1,142	1,161	8.1	8.1	1,142	1,161	8.1	8.1
White								
16 years and over	38,877	39,574	51.5	51.8	38,756	39,443	51.4	51.7
16 to 19 years	3,745	3,571	54.8	53.7	3,724	3,552	54.7	53.6
16 to 17 years	1,512	1,383	45.8	43.4	1,511	1,382	45.8	43.3
18 to 19 years	2,232	2,188	63.2	63.2	2,213	2,169	63.0	63.0
20 to 24 years	6,215	6,266	71.0	71.1	6,157	6,203	70.8	70.9
25 to 54 years	23,817	24,644	64.1	65.1	23,776	24,596	64.0	65.1
25 to 34 years	10,167	10,729	65.1	66.8	10,130	10,686	65.0	66.7
35 to 44 years	7,488	7,868	65.6	67.1	7,484	7,864	65.6	67.1
45 to 54 years	6,163	6,046	60.7	60.1	6,152	6,046	60.7	60.1
55 to 64 years	4,085	4,053	41.0	40.4	4,084	4,053	41.0	40.4
55 to 59 years	2,536	2,588	48.0	49.1	2,536	2,588	48.0	49.1
60 to 64 years	1,549	1,465	33.2	30.8	1,549	1,465	33.2	30.8
65 years and over	1,015	1,040	7.9	8.0	1,015	1,040	7.9	8.0
Black and other								
16 years and over	6,106	6,289	53.6	53.7	6,063	6,238	53.4	53.5
16 to 19 years	448	418	33.8	31.6	440	410	33.4	31.2
16 to 17 years	148	140	22.5	21.4	147	140	22.4	21.4
18 to 19 years	301	278	45.0	41.6	293	271	44.4	41.0
20 to 24 years	995	1,017	61.2	61.4	974	992	60.7	60.8
25 to 54 years	3,998	4,155	67.1	67.4	3,984	4,138	67.1	67.3
25 to 34 years	1,844	1,938	68.9	68.9	1,831	1,922	68.8	68.8
35 to 44 years	1,233	1,307	68.4	70.1	1,232	1,306	68.3	70.1
45 to 54 years	920	910	62.3	60.9	920	910	62.3	60.9
55 to 64 years	538	577	46.7	48.6	538	577	46.7	48.6
55 to 59 years	334	350	53.3	54.6	334	350	53.3	54.5
60 to 64 years	204	227	38.8	41.6	204	227	38.8	41.6
65 years and over	127	121	9.5	8.8	127	121	9.5	8.8

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

[Numbers in thousands]

Sex and age	September 1981						
	Civilian labor force						Not in labor force
	Total	Employed			Unemployed		
		Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
TOTAL							
16 years and over	10,815	9,129	160	8,969	1,685	15.6	7,072
16 to 19 years	727	415	9	406	312	42.9	1,509
16 to 17 years	247	131	--	131	116	47.0	894
18 to 19 years	480	284	9	275	196	40.8	615
20 to 24 years	1,747	1,256	12	1,244	492	28.1	748
25 to 54 years	7,063	6,261	92	6,169	803	11.4	2,127
25 to 34 years	3,231	2,764	25	2,739	466	14.4	878
35 to 44 years	2,196	1,959	26	1,933	236	10.8	576
45 to 54 years	1,637	1,537	41	1,496	100	6.1	674
55 to 64 years	1,035	978	22	955	58	5.6	861
55 to 59 years	630	585	12	573	45	7.1	381
60 to 64 years	405	393	10	382	13	3.1	481
65 years and over	241	220	25	195	21	8.7	1,826
Males							
16 years and over	5,533	4,732	145	4,587	801	14.5	2,480
16 to 19 years	373	233	8	225	140	37.5	712
16 to 17 years	126	74	--	74	51	40.5	444
18 to 19 years	248	159	8	150	89	35.9	268
20 to 24 years	894	659	12	645	236	26.4	211
25 to 54 years	3,603	3,218	78	3,139	387	10.7	501
25 to 34 years	1,616	1,387	22	1,365	228	14.1	200
35 to 44 years	1,112	1,005	20	984	106	9.5	109
45 to 54 years	877	825	36	789	52	5.9	193
55 to 64 years	530	503	21	482	28	5.3	333
55 to 59 years	330	309	10	299	21	6.4	132
60 to 64 years	200	194	10	183	7	3.5	202
65 years and over	130	120	24	96	10	7.7	722
Females							
16 years and over	5,282	4,397	15	4,382	884	16.7	4,592
16 to 19 years	354	182	1	181	172	48.5	797
16 to 17 years	121	57	--	57	65	53.3	450
18 to 19 years	232	125	1	125	107	46.0	347
20 to 24 years	853	597	--	599	256	30.0	537
25 to 54 years	3,460	3,043	14	3,030	416	12.0	1,626
25 to 34 years	1,615	1,377	3	1,374	238	14.8	678
35 to 44 years	1,084	954	6	949	130	12.0	467
45 to 54 years	760	712	5	707	48	6.3	481
55 to 64 years	505	475	1	473	30	5.9	528
55 to 59 years	300	276	2	274	24	8.0	249
60 to 64 years	205	199	--	199	6	2.9	279
65 years and over	111	100	1	99	11	9.8	1,104

NOTE: Data relate to black workers only. In the 1970 census, they constituted about 89 percent of the "black and other" population group.

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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. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981
TOTAL								
Total noninstitutional population	166,789	169,049	71,544	72,798	78,732	80,122	16,512	16,129
Total labor force	106,841	108,129	57,020	57,655	40,790	41,874	9,031	8,600
Percent of population	64.1	64.0	79.7	79.2	51.8	52.3	54.7	53.3
Civilian labor force	104,720	105,964	55,340	55,943	40,655	41,719	8,724	8,302
Employed	97,256	98,277	52,129	52,892	37,990	38,728	7,138	6,657
Agriculture	3,635	3,551	2,525	2,477	662	680	448	394
Nonagricultural industries	93,621	94,726	49,603	50,415	37,328	38,049	6,690	6,262
Unemployed	7,464	7,687	3,212	3,051	2,666	2,991	1,586	1,646
Percent of labor force	7.1	7.3	5.8	5.5	6.6	7.2	18.2	19.8
Not in labor force	59,948	60,920	14,524	15,143	37,942	38,248	7,481	7,529
White								
Total noninstitutional population	145,687	147,374	63,150	64,143	68,658	69,730	13,879	13,501
Total labor force	93,747	94,814	50,610	51,119	35,132	36,003	8,006	7,692
Percent of population	64.3	64.3	80.1	79.7	51.2	51.6	57.7	57.0
Civilian labor force	92,111	93,154	49,305	49,803	35,032	35,891	7,774	7,460
Employed	86,329	87,320	46,798	47,467	32,967	33,704	6,563	6,149
Agriculture	3,368	3,324	2,328	2,297	621	643	419	385
Nonagricultural industries	82,960	83,996	44,471	45,170	32,346	33,062	6,144	5,764
Unemployed	5,782	5,835	2,507	2,336	2,065	2,187	1,211	1,311
Percent of labor force	6.3	6.3	5.1	4.7	5.9	6.1	15.6	17.6
Not in labor force	51,939	52,560	12,540	13,025	33,526	33,727	5,873	5,809
Black and other								
Total noninstitutional population	21,102	21,675	8,394	8,655	10,075	10,392	2,634	2,628
Total labor force	13,094	13,315	6,411	6,536	5,658	5,871	1,026	908
Percent of population	62.1	61.4	76.4	75.5	56.2	56.5	38.9	34.6
Civilian labor force	12,609	12,810	6,035	6,140	5,623	5,828	950	842
Employed	10,928	10,957	5,331	5,425	5,022	5,024	575	508
Agriculture	267	227	198	180	41	37	28	10
Nonagricultural industries	10,661	10,730	5,133	5,245	4,982	4,987	546	498
Unemployed	1,681	1,853	705	714	601	804	376	334
Percent of labor force	13.3	14.5	11.7	11.6	10.7	13.8	39.5	39.7
Not in labor force	8,008	8,360	1,984	2,119	4,417	4,521	1,608	1,720

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 1981								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
TOTAL									
Total noninstitutional population	24,680	12,474	12,206	20,733	10,521	10,212	3,947	1,953	1,994
Total labor force	14,943	8,092	6,851	13,129	7,093	6,036	1,813	999	814
Percent of population	60.5	64.9	56.1	63.3	67.4	59.1	45.9	51.1	40.8
Civilian labor force	14,227	7,445	6,782	12,588	6,600	5,988	1,639	845	794
Employed	11,801	6,226	5,575	10,748	5,655	5,093	1,053	571	482
Agriculture	598	496	102	580	478	102	17	18	--
Nonagricultural industries	11,203	5,730	5,473	10,167	5,177	4,991	1,036	553	483
Unemployed	2,426	1,219	1,207	1,840	945	895	586	274	312
Looking for full-time work	1,480	782	698	1,056	567	489	424	215	209
Looking for part-time work	946	437	509	784	378	406	162	59	103
Percent of labor force	17.1	16.4	17.8	14.6	14.3	14.9	35.8	32.4	39.3
Not in labor force	9,737	4,382	5,355	7,604	3,428	4,176	2,134	954	1,179
Major activity: going to school									
Civilian labor force	3,648	1,873	1,775	3,307	1,711	1,596	341	162	179
Employed	2,848	1,476	1,372	2,650	1,373	1,277	198	103	95
Agriculture	188	156	32	187	155	32	1	1	--
Nonagricultural industries	2,660	1,320	1,340	2,463	1,217	1,245	197	102	95
Unemployed	800	398	402	656	338	318	144	59	84
Looking for full-time work	69	41	28	48	29	19	22	12	10
Looking for part-time work	731	357	374	609	309	300	122	47	74
Percent of labor force	21.9	21.2	22.7	19.9	19.8	19.9	42.0	36.6	47.0
Not in labor force	7,194	3,560	3,634	5,706	2,829	2,877	1,488	731	757
Major activity: other									
Civilian labor force	10,579	5,571	5,008	9,281	4,889	4,392	1,298	683	616
Employed	8,953	4,750	4,203	8,098	4,282	3,815	855	468	387
Agriculture	410	340	70	393	323	70	16	17	--
Nonagricultural industries	8,543	4,410	4,133	7,704	3,959	3,745	839	451	388
Unemployed	1,626	821	805	1,183	607	577	443	215	228
Looking for full-time work	1,411	741	670	1,009	538	470	402	203	199
Looking for part-time work	215	80	135	175	68	106	41	12	29
Percent of labor force	15.4	14.7	16.1	12.8	12.4	13.1	34.1	31.4	37.1
Not in labor force	2,544	823	1,721	1,898	599	1,299	646	224	422

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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 1981								
	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	90,582	80,177	4,344	6,061	6.7	15,382	13,756	1,626	10.6
16 to 21 years	8,988	6,448	1,059	1,480	16.5	5,239	4,293	946	18.1
16 to 19 years	4,221	2,705	647	869	20.6	4,081	3,304	777	19.0
16 to 17 years	738	406	174	158	21.4	2,522	2,022	500	19.8
18 to 19 years	3,483	2,299	473	711	20.4	1,559	1,283	277	17.7
20 years and over	86,361	77,472	3,697	5,193	6.0	11,301	10,452	849	7.5
20 to 24 years	13,272	10,875	845	1,553	11.7	2,144	1,866	277	12.9
25 years and over	73,089	66,597	2,851	3,641	5.0	9,157	8,586	571	6.2
25 to 54 years	61,302	55,723	2,297	3,281	5.4	6,266	5,841	425	6.8
55 years and over	11,788	10,874	554	360	3.1	2,891	2,745	146	5.1
Males, 16 years and over	55,426	50,138	2,031	3,257	5.9	4,857	4,237	620	12.8
16 to 21 years	4,978	3,683	513	782	15.7	2,467	2,030	437	17.7
16 to 19 years	2,333	1,540	331	462	19.8	2,008	1,643	365	18.2
20 years and over	53,094	48,598	1,700	2,795	5.3	2,849	2,594	255	9.0
20 to 24 years	7,385	6,111	411	863	11.7	837	723	113	13.6
25 years and over	45,708	42,487	1,288	1,933	4.2	2,012	1,870	141	7.0
25 to 54 years	38,023	35,252	1,037	1,734	4.6	810	737	73	9.0
55 years and over	7,685	7,235	251	199	2.6	1,202	1,133	69	5.7
Females, 16 years and over	35,156	30,038	2,314	2,804	8.0	10,525	9,519	1,006	9.6
16 to 21 years	4,010	2,765	546	698	17.4	2,772	2,263	509	18.4
16 to 19 years	1,888	1,165	317	407	21.5	2,073	1,661	413	19.9
20 years and over	33,267	28,873	1,997	2,397	7.2	8,452	7,858	594	7.0
20 to 24 years	5,887	4,764	433	690	11.7	1,307	1,143	164	12.5
25 years and over	27,380	24,109	1,563	1,708	6.2	7,145	6,715	430	6.0
25 to 54 years	23,278	20,471	1,260	1,547	6.6	5,455	5,103	352	6.5
55 years and over	4,102	3,638	303	161	3.9	1,690	1,612	78	4.6
White									
Males, 16 years and over	49,334	45,092	1,757	2,484	5.0	4,377	3,856	522	11.9
16 to 21 years	4,366	3,349	450	567	13.0	2,233	1,856	378	16.9
16 to 19 years	2,077	1,428	296	353	17.0	1,832	1,515	317	17.3
20 years and over	47,257	43,664	1,461	2,131	4.5	2,546	2,341	205	8.0
20 to 24 years	6,445	5,459	359	627	9.7	740	643	97	13.0
25 years and over	40,811	38,205	1,102	1,504	3.7	1,806	1,697	108	6.0
25 to 54 years	33,802	31,588	882	1,333	3.9	705	652	53	7.5
55 years and over	7,009	6,617	221	171	2.4	1,101	1,045	55	5.0
Females, 16 years and over	29,810	25,885	1,930	1,995	6.7	9,633	8,800	833	8.6
16 to 21 years	3,474	2,496	489	489	14.1	2,514	2,108	406	16.2
16 to 19 years	1,673	1,066	297	310	18.6	1,879	1,548	331	17.6
20 years and over	28,137	24,819	1,633	1,685	6.0	7,754	7,252	502	6.5
20 to 24 years	5,023	4,209	360	453	9.0	1,180	1,056	124	10.5
25 years and over	23,115	20,610	1,274	1,232	5.3	6,574	6,196	377	5.7
25 to 54 years	19,522	17,377	1,037	1,108	5.7	5,074	4,763	311	6.1
55 years and over	3,593	3,232	237	124	3.5	1,500	1,433	66	4.4
Black and other									
Males, 16 years and over	6,092	5,046	273	773	12.7	480	381	98	20.5
16 to 21 years	611	334	62	215	35.1	234	174	59	25.4
16 to 19 years	256	112	35	109	42.6	176	128	48	27.1
20 years and over	5,837	4,934	238	664	11.4	303	253	50	16.6
20 to 24 years	940	651	52	236	25.1	97	80	17	17.5
25 years and over	4,897	4,282	187	428	8.7	207	173	34	16.4
25 to 54 years	4,221	3,664	157	400	9.5	105	85	20	19.0
55 years and over	675	618	30	27	4.0	102	88	14	13.7
Females, 16 years and over	5,346	4,153	384	809	15.1	892	719	173	19.4
16 to 21 years	536	269	58	209	39.0	259	156	103	39.9
16 to 19 years	216	99	20	96	44.6	195	113	81	41.9
20 years and over	5,130	4,054	364	712	13.9	698	606	92	13.1
20 to 24 years	864	555	74	236	27.3	127	88	40	31.1
25 years and over	4,265	3,500	290	476	11.2	571	518	52	9.1
25 to 54 years	3,756	3,094	223	440	11.7	381	340	40	10.5
55 years and over	509	405	67	36	7.1	189	178	12	6.3

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 1981									
	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	105,964	63.5	98,277	7,687	7.3	60,920	31,509	8,605	2,697	18,109
Husbands	39,025	80.4	37,642	1,383	3.5	9,533	140	166	1,017	8,210
With employed wife	21,268	91.9	20,570	699	3.3	1,882	47	90	351	1,394
With unemployed wife	1,375	93.1	1,236	139	10.1	102	8	15	28	52
With wife not in labor force	16,382	68.5	15,836	546	3.3	7,549	86	61	638	6,764
Wives	24,627	50.7	23,150	1,477	6.0	23,931	21,422	271	294	1,945
With employed husband	21,806	57.9	20,570	1,236	5.7	15,836	14,656	230	107	843
With unemployed husband	837	60.5	699	139	16.5	546	504	12	4	26
With husband not in labor force	1,984	20.8	1,882	102	5.1	7,549	6,262	29	182	1,076
Relatives in married-couple families	13,014	60.7	11,198	1,817	14.0	8,438	803	5,574	288	1,773
16 to 19 years	5,733	53.1	4,769	964	16.8	5,063	86	4,293	14	671
20 to 24 years	4,782	73.7	4,175	607	12.7	1,707	138	1,183	26	359
25 years and over	2,499	60.0	2,254	245	9.8	1,668	579	98	248	743
Females who maintain families	5,505	60.1	4,931	574	10.4	3,650	2,805	123	122	599
Relatives in families maintained by females	4,346	55.4	3,354	992	22.8	3,503	727	1,524	235	1,017
16 to 19 years	1,136	41.1	735	401	35.3	1,630	99	1,245	3	283
20 to 24 years	1,428	74.2	1,084	344	24.1	497	101	227	13	157
25 years and over	1,782	56.4	1,535	247	13.9	1,375	528	52	219	578
Males who maintain families	1,761	74.7	1,660	101	5.7	597	34	35	65	463
Relatives in families maintained by males	1,432	58.2	1,225	209	14.5	1,028	414	292	58	265
16 to 19 years	315	54.4	244	71	22.6	264	15	225	2	23
20 to 24 years	451	79.9	378	73	16.2	113	37	47	5	24
25 years and over	666	50.6	604	64	9.6	651	361	20	52	217
Persons living alone	10,144	53.7	9,596	549	5.4	8,734	4,740	185	515	3,294
Males	5,254	71.3	4,930	324	6.2	2,114	110	116	225	1,663
Females	4,890	42.5	4,666	224	4.6	6,620	4,630	69	290	1,631
All others ¹	6,110	80.3	5,521	585	9.6	1,506	424	435	103	543

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. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981
Total, 16 years and over	4,048	3,877	6.8	6.4	3,416	3,810	7.6	8.3
Married, spouse present	1,586	1,471	4.0	3.7	1,507	1,549	6.1	6.2
Widowed, divorced, or separated	438	413	8.5	7.8	618	778	7.3	8.7
Single (never married)	2,023	1,994	13.7	13.3	1,291	1,483	11.3	12.6
White, 16 years and over	3,151	3,006	5.9	5.6	2,631	2,829	6.8	7.2
Married, spouse present	1,357	1,209	3.7	3.3	1,299	1,269	5.8	5.7
Widowed, divorced, or separated	297	279	7.0	6.5	460	574	6.7	8.0
Single (never married)	1,496	1,517	11.9	11.7	872	985	9.1	10.0
Black and other, 16 years and over	896	871	13.7	13.3	785	982	12.9	15.7
Married, spouse present	229	261	6.6	7.4	208	279	8.1	10.9
Widowed, divorced, or separated	141	133	15.3	13.5	158	204	9.7	11.5
Single (never married)	527	477	24.3	22.9	419	498	22.6	26.2
Total, 20 to 64 years of age	3,162	3,010	5.9	5.6	2,631	2,953	6.7	7.3
Married, spouse present	1,526	1,424	4.0	3.7	1,419	1,462	5.9	6.0
Widowed, divorced, or separated	427	402	8.7	7.9	578	737	7.4	9.0
Single (never married)	1,208	1,183	11.7	11.0	633	753	8.3	9.3
White, 20 to 64 years of age	2,470	2,304	5.2	4.8	2,035	2,160	6.0	6.2
Married, spouse present	1,309	1,169	3.8	3.4	1,221	1,191	5.7	5.5
Widowed, divorced, or separated	290	273	7.2	6.6	428	539	6.8	8.2
Single (never married)	871	864	10.0	9.5	387	429	6.3	6.6
Black and other, 20 to 64 years of age	692	705	11.8	11.8	595	793	10.8	13.9
Married, spouse present	218	256	6.5	7.5	199	270	7.9	10.8
Widowed, divorced, or separated	138	129	15.9	13.6	150	198	9.7	11.7
Single (never married)	337	319	20.3	19.5	247	325	17.2	21.6

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A-11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981
Total, 16 years and over	7,464	7,687	7.1	7.3	6.8	6.4	7.6	8.3
White-collar workers	2,172	2,380	4.1	4.4	2.9	2.9	5.1	5.7
Professional and technical	461	539	2.9	3.2	2.3	2.5	3.7	4.1
Managers and administrators, except farm	281	319	2.5	2.7	2.1	2.2	3.5	4.1
Sales workers	259	318	4.0	4.9	3.3	3.1	4.9	6.9
Clerical workers	1,171	1,204	6.1	6.3	6.0	5.6	6.1	6.5
Blue-collar workers	3,202	3,019	9.4	8.9	8.8	8.1	12.0	12.1
Craft and kindred workers	835	833	6.2	6.3	5.9	6.3	10.3	6.7
Carpenters and other construction craft workers	360	416	8.3	10.0	8.3	10.0	8.5	(1)
All other	475	417	5.2	4.6	4.7	4.5	10.6	5.9
Operatives, except transport	1,406	1,255	12.1	10.8	11.4	9.1	13.0	13.2
Transport equipment operatives	321	279	8.5	7.4	8.7	7.5	6.4	6.8
Nonfarm laborers	640	652	12.9	12.3	13.5	12.1	8.2	13.6
Construction laborers	161	187	17.3	19.1	17.2	19.1	(1)	(1)
All other	479	465	11.9	10.8	12.5	10.3	7.7	13.3
Service workers	1,150	1,281	8.3	9.1	8.6	8.8	8.1	9.2
Private household	53	51	5.0	5.2	(1)	(1)	4.8	5.2
All other	1,098	1,230	8.5	9.4	8.6	8.8	8.5	9.7
Farm workers	126	110	4.1	3.7	3.8	2.9	5.3	6.9
No previous work experience	813	897	--	--	--	--	--	--
16 to 19 years	584	658	--	--	--	--	--	--
20 to 24 years	147	159	--	--	--	--	--	--
25 years and over	83	80	--	--	--	--	--	--

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. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981
Total, 16 years and over	100.0	100.0	7.1	7.3	6.8	6.4	7.6	8.3
Nonagricultural private wage and salary workers	75.2	73.4	7.3	7.2	7.2	6.6	7.5	8.0
Mining	.8	.6	5.7	4.2	5.7	3.9	5.6	5.8
Construction	7.9	8.0	11.8	12.2	11.6	12.5	14.2	9.0
Manufacturing	26.4	21.5	8.6	7.3	7.6	5.8	10.6	10.3
Durable goods	17.5	13.0	9.4	7.2	8.7	6.1	11.5	10.4
Lumber and wood products	1.0	.8	10.5	9.9	10.6	7.8	9.5	23.3
Furniture and fixtures	.8	.6	10.5	8.4	9.1	8.2	13.7	8.8
Stone, clay, and glass products	.9	.6	10.3	6.8	9.0	6.3	15.5	9.4
Primary metal industries	1.9	1.2	11.2	7.5	10.7	5.9	14.3	19.6
Fabricated metal products	2.0	1.6	9.1	8.1	7.3	6.7	15.6	12.8
Machinery, except electrical equipment	2.7	2.1	7.0	5.6	6.6	5.3	8.6	6.7
Electrical, equipment	2.6	2.2	7.8	6.7	5.8	4.1	10.3	9.9
Transportation equipment	4.2	2.5	13.0	8.3	12.9	7.5	13.4	11.6
Automobiles	3.3	1.8	20.0	11.6	19.5	10.1	22.7	19.4
Other transportation equipment	.8	.7	5.3	4.8	5.6	4.8	5.1	5.1
Instruments and related products	.5	.5	5.8	5.7	5.3	5.2	6.4	6.5
Other durable goods industries	1.1	.8	11.2	8.6	7.9	5.8	14.9	12.6
Nondurable goods	8.9	8.5	7.3	7.4	5.4	5.3	9.7	10.2
Food and kindred products	2.0	2.1	7.4	8.4	6.4	6.7	9.4	11.7
Textile mill products	.8	.9	6.6	9.6	5.3	7.5	7.9	11.3
Apparel and other textile products	2.1	2.0	11.5	11.2	8.9	8.4	12.2	11.9
Paper and allied products	.6	.4	6.4	4.6	5.1	2.8	11.0	10.5
Printing and publishing	1.0	1.0	4.7	5.1	3.5	4.4	6.5	5.9
Chemicals and allied products	1.0	.8	5.5	4.7	3.9	3.9	9.7	6.9
Rubber and plastics products	1.0	.8	9.9	9.1	8.5	6.6	12.5	13.8
Other nondurable goods industries	.5	.5	6.2	6.4	4.6	3.6	8.1	9.8
Transportation and public utilities	4.0	3.0	5.3	4.0	5.5	4.4	4.9	2.9
Railroads and railway express	.4	.3	5.1	4.0	5.1	4.1	(1)	(1)
Other transportation	2.8	2.0	7.9	5.7	8.3	6.2	6.3	4.0
Communication and other public utilities	.8	.7	2.6	2.1	1.7	2.2	4.1	2.2
Wholesale and retail trade	18.5	20.7	7.3	8.2	6.7	7.0	8.0	9.6
Finance, insurance, and real estate	2.7	2.6	3.6	3.6	3.1	2.9	4.0	4.1
Service industries	15.0	17.0	6.4	7.1	6.6	6.9	6.3	7.2
Professional services	6.4	7.7	4.6	5.5	4.0	4.6	4.9	5.9
All other service industries	8.7	9.2	8.9	9.3	8.9	9.0	9.0	9.5
Agricultural wage and salary workers	2.2	2.1	9.6	9.5	8.7	8.3	12.7	13.7
All other classes of workers	11.8	12.8	3.4	3.9	2.9	3.1	4.0	4.9
No previous work experience	10.9	11.7	--	--	--	--	--	--

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

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. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981
NUMBER OF UNEMPLOYED												
Total unemployed, in thousands.....	7,464	7,687	3,212	3,051	2,666	2,991	1,586	1,646	5,782	5,835	1,681	1,853
Job losers.....	3,708	3,713	2,211	2,147	1,131	1,248	366	318	2,880	2,775	828	939
On layoff.....	1,308	1,079	814	639	417	372	77	68	1,068	860	240	219
Other job losers.....	2,400	2,634	1,397	1,508	714	876	289	250	1,812	1,915	588	720
Job leavers.....	969	1,006	382	320	409	465	178	220	808	830	161	176
Reentrants.....	1,973	2,070	517	497	998	1,124	458	449	1,523	1,594	450	475
New entrants.....	813	899	102	86	127	153	584	659	571	636	242	263
PERCENT DISTRIBUTION												
Total unemployed.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers.....	49.7	48.3	68.8	70.4	42.5	41.7	23.1	19.3	49.8	47.5	49.2	50.6
On layoff.....	17.5	14.0	25.3	21.0	15.7	12.4	4.9	4.1	18.5	14.7	14.3	11.8
Other job losers.....	32.2	34.3	43.5	49.4	26.8	29.3	18.2	15.2	31.3	32.8	34.9	38.8
Job leavers.....	13.0	13.1	11.9	10.5	15.4	15.6	11.2	13.4	14.0	14.2	9.6	9.5
Reentrants.....	26.4	26.9	16.1	16.3	37.4	37.6	28.9	27.3	26.3	27.3	26.8	25.7
New entrants.....	10.9	11.7	3.2	2.8	4.8	5.1	36.8	40.1	9.9	10.9	14.4	14.2
UNEMPLOYMENT RATE												
Total unemployment rate.....	7.1	7.3	5.8	5.5	6.6	7.2	18.2	19.8	6.3	6.3	13.3	14.5
Job loser rate ¹	3.5	3.5	4.0	3.8	2.8	3.0	4.2	3.8	3.2	3.0	6.6	7.3
Job leaver rate ¹.....	.9	.9	.7	.6	1.0	1.1	2.0	2.6	.9	.9	1.3	1.4
Reentrant rate ¹	1.9	2.0	.9	.9	2.5	2.7	5.3	5.4	1.7	1.7	3.6	3.7
New entrant rate ¹.....	.8	.8	.2	.2	.3	.4	6.7	7.9	.6	.7	1.9	2.1

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 1981						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over.....	7,687	100.0	46.2	28.9	24.9	12.1	12.9
Job losers.....	3,713	100.0	38.3	29.9	31.9	14.5	17.4
On layoff.....	1,079	100.0	53.0	25.6	21.4	10.7	10.8
Other job losers.....	2,634	100.0	32.2	31.6	36.2	16.0	20.2
Job leavers.....	1,006	100.0	51.5	28.3	20.2	9.5	10.7
Reentrants.....	2,070	100.0	56.1	26.5	17.3	8.0	8.4
New entrants.....	899	100.0	50.2	30.8	19.0	12.6	6.4
Males, 20 years and over.....	3,051	100.0	38.6	28.4	33.0	13.3	19.7
Job losers.....	2,147	100.0	35.7	28.5	35.7	14.2	21.6
On layoff.....	639	100.0	51.5	24.7	23.8	11.0	12.8
Other job losers.....	1,508	100.0	29.0	30.2	40.8	15.5	25.3
Job leavers.....	320	100.0	44.6	25.7	29.7	10.7	19.0
Reentrants.....	497	100.0	45.9	30.2	23.8	10.4	13.5
New entrants.....	86	100.0	44.6	26.8	28.6	17.3	11.3
Females, 20 years and over.....	2,991	100.0	49.3	28.6	22.1	11.7	10.4
Job losers.....	1,248	100.0	38.3	31.4	30.4	16.6	13.8
On layoff.....	372	100.0	53.0	26.1	20.8	11.6	9.2
Other job losers.....	876	100.0	32.0	33.6	34.4	18.7	15.7
Job leavers.....	465	100.0	53.5	31.0	15.6	8.6	7.0
Reentrants.....	1,124	100.0	60.3	24.8	14.9	7.3	7.5
New entrants.....	153	100.0	46.4	25.8	27.8	13.9	13.0
Both sexes, 16 to 19 years.....	1,646	100.0	54.7	30.2	15.1	10.6	4.6
Job losers.....	318	100.0	55.4	32.7	11.8	8.0	3.8
On layoff.....	68	100.0	(1)	(1)	(1)	(1)	(1)
Other job losers.....	250	100.0	52.5	33.0	14.5	9.6	4.9
Job leavers.....	220	100.0	57.3	26.7	16.0	9.5	6.5
Reentrants.....	449	100.0	57.1	26.8	16.2	11.1	5.0
New entrants.....	659	100.0	51.8	32.5	15.7	11.7	4.0

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

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

Sex, age, and race	September 1981								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	7,687	6,514	25.2	6.2	74.5	31.7	14.2	5.3	1.57
16 to 19 years	1,646	1,561	16.9	3.4	80.2	25.6	11.5	4.4	1.42
20 to 24 years	1,830	1,599	28.5	5.4	76.2	30.3	13.7	3.6	1.58
25 to 34 years	2,018	1,625	27.7	7.9	73.2	38.5	15.9	5.7	1.69
35 to 44 years	1,061	863	29.2	8.5	71.3	34.5	16.0	5.2	1.65
45 to 54 years	627	477	29.1	8.0	69.0	32.1	10.9	8.2	1.57
55 to 64 years	427	320	23.7	7.5	65.3	25.6	19.7	10.9	1.53
65 years and over	79	69	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Males, 16 years and over	3,877	3,157	26.9	6.1	75.8	30.0	16.6	7.2	1.63
16 to 19 years	826	768	15.9	2.9	82.9	26.0	12.5	4.2	1.44
20 to 24 years	977	831	30.7	4.6	75.1	28.9	16.7	5.4	1.61
25 to 34 years	1,003	757	29.7	7.9	75.0	36.2	20.3	8.6	1.78
35 to 44 years	468	350	33.7	8.9	74.9	32.9	15.4	6.9	1.73
45 to 54 years	335	244	36.1	9.4	70.9	27.5	13.1	12.3	1.69
55 to 64 years	227	167	23.4	12.0	61.7	23.4	25.7	15.6	1.62
65 years and over	41	39	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	3,810	3,357	23.6	6.2	73.3	33.3	11.9	3.6	1.52
16 to 19 years	819	793	18.0	4.0	77.6	25.1	10.5	4.7	1.40
20 to 24 years	854	768	26.0	6.3	77.3	31.8	10.4	1.7	1.54
25 to 34 years	1,015	867	26.0	8.0	71.7	40.5	12.1	3.2	1.61
35 to 44 years	592	513	26.1	8.2	68.8	35.7	16.4	4.1	1.59
45 to 54 years	292	233	21.5	6.4	67.0	37.3	8.6	4.3	1.45
55 to 64 years	201	153	24.2	2.6	68.6	28.1	13.1	5.9	1.42
65 years and over	38	30	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White, 16 years and over	5,835	4,889	22.2	6.3	74.9	34.0	14.1	5.5	1.57
Males	3,006	2,411	23.6	5.8	76.1	31.9	16.2	7.8	1.62
Females	2,829	2,478	20.8	6.7	73.7	36.1	12.0	3.2	1.53
Black and other, 16 years and over	1,853	1,625	34.2	5.8	73.3	24.6	14.4	4.7	1.57
Males	871	746	37.5	7.2	74.7	23.7	17.8	4.8	1.66
Females	982	879	31.4	4.7	72.1	25.4	11.5	4.6	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 1981								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	7,687	6,514	25.2	6.2	74.5	31.7	14.2	5.3	1.57
Job losers	3,713	2,660	32.0	7.6	75.2	33.7	17.1	5.8	1.71
Job leavers	1,006	1,012	24.2	7.0	73.2	35.5	12.7	4.7	1.57
Reentrants	2,070	1,951	20.2	5.4	73.3	30.0	11.6	5.4	1.46
New entrants	899	890	16.9	2.6	76.6	24.9	12.6	4.5	1.38
Males, 16 years and over	3,877	3,157	26.9	6.1	75.8	30.0	16.6	7.2	1.63
Job losers	2,344	1,660	31.9	6.8	75.4	32.0	18.7	7.7	1.73
Job leavers	417	423	17.7	6.4	76.8	32.4	15.8	5.7	1.55
Reentrants	729	694	25.1	6.5	71.5	27.4	14.1	8.9	1.53
New entrants	387	381	18.9	2.1	83.5	22.8	12.6	3.1	1.43
Females, 16 years and over	3,810	3,357	23.6	6.2	73.3	33.3	11.9	3.6	1.52
Job losers	1,369	1,001	32.2	9.0	74.5	36.4	14.4	2.6	1.69
Job leavers	589	589	28.9	7.5	70.6	37.7	10.5	4.1	1.59
Reentrants	1,341	1,259	17.6	4.8	74.2	31.5	10.2	3.5	1.42
New entrants	512	509	15.3	2.9	71.5	26.5	12.6	5.3	1.34

NOTE: See note, table A-15.

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. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981
Total, 16 years and over	7,464	7,687	100.0	100.0	5,997	6,061	100.0	100.0
Less than 5 weeks	3,229	3,552	43.3	46.2	2,226	2,483	37.1	41.0
5 to 14 weeks	2,281	2,220	30.6	28.9	1,942	1,838	32.4	30.3
15 to 26 weeks	1,498	1,457	20.1	19.0	1,242	1,233	20.7	20.3
27 to 51 weeks	782	762	10.5	9.9	700	605	11.7	10.0
52 weeks and over	1,954	1,916	26.2	24.9	1,829	1,741	30.5	28.7
Average (mean) duration, in weeks	12.3	13.0	--	--	13.8	14.5	--	--
Median duration, in weeks	6.7	6.0	--	--	8.5	7.4	--	--

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. 1980	Sept. 1981	Sept. 1980	Sept. 1981
	September 1981										
Total, 16 years and over	7,687	3,552	2,220	930	986	13.0	6.0	43.3	46.2	26.2	24.9
16 to 21 years	2,426	1,287	708	264	167	9.6	4.7	53.5	53.0	15.5	17.8
16 to 19 years	1,646	900	497	174	75	8.4	4.6	56.8	54.7	12.4	15.1
20 to 24 years	1,830	869	515	225	221	12.7	5.7	44.9	47.5	23.3	24.4
25 to 34 years	2,018	904	576	255	283	13.5	6.3	37.6	44.8	21.1	26.7
35 to 44 years	1,061	466	300	132	163	14.2	6.4	39.8	43.9	32.5	27.8
45 to 54 years	627	223	187	87	129	17.6	9.4	33.4	35.6	39.7	34.5
55 to 64 years	427	151	134	45	98	19.1	8.2	32.3	25.3	30.0	33.4
65 years and over	79	40	11	12	17	19.7	5.0	55.0	50.2	29.2	36.3
Males, 16 years and over	3,877	1,591	1,128	520	637	15.3	7.6	37.6	41.0	31.5	29.9
16 to 21 years	1,219	585	372	161	101	10.9	5.5	50.2	48.0	18.4	21.5
16 to 19 years	826	415	260	115	37	9.1	5.0	55.7	50.2	15.1	18.3
20 to 24 years	977	413	267	136	162	15.3	7.1	38.2	42.3	28.0	30.3
25 to 34 years	1,003	377	306	126	195	16.5	8.9	31.1	37.6	30.3	31.9
35 to 44 years	468	183	120	60	105	17.7	8.2	31.0	39.1	41.4	35.3
45 to 54 years	335	112	96	52	74	18.3	10.3	22.3	33.6	47.7	37.6
55 to 64 years	227	70	78	22	57	20.3	9.1	32.7	30.9	30.0	34.6
65 years and over	41	20	1	9	10	24.2	8.3	(1)	(1)	(1)	(1)
Females, 16 years and over	3,810	1,961	1,091	410	349	10.7	4.9	49.9	51.5	19.9	19.9
16 to 21 years	1,207	702	335	104	66	8.2	4.3	57.4	58.1	11.9	14.1
16 to 19 years	819	485	237	59	33	7.7	4.2	57.9	59.2	9.5	11.9
20 to 24 years	854	455	248	89	61	9.7	4.7	53.7	53.4	17.3	17.6
25 to 34 years	1,015	527	271	129	88	10.4	4.8	45.8	51.9	22.1	21.4
35 to 44 years	592	283	180	71	59	11.5	5.5	47.7	47.7	24.4	21.9
45 to 54 years	292	111	91	35	56	16.7	8.5	45.0	37.9	31.3	30.9
55 to 64 years	201	81	55	24	41	17.6	7.0	31.7	40.3	32.4	32.1
65 years and over	38	19	9	3	6	14.9	4.9	(1)	(1)	(1)	(1)
White, 16 years and over	5,835	2,809	1,658	668	700	12.4	5.5	44.8	48.1	24.6	23.4
Males	3,006	1,277	872	391	466	14.6	7.0	38.1	42.5	30.3	28.5
Females	2,829	1,532	786	277	234	10.1	4.6	52.9	54.2	18.1	18.1
Black and other, 16 years and over	1,853	743	562	262	286	15.0	7.8	37.9	40.1	31.1	29.6
Males	871	314	257	129	171	17.6	9.7	36.1	36.0	35.6	34.5
Females	982	429	305	133	115	12.7	6.6	40.1	43.7	26.0	25.7
Males, 16 years and over:											
Married, spouse present	1,471	601	380	172	318	17.7	8.0	32.5	40.9	36.4	33.3
Widowed, divorced, or separated	413	128	128	73	84	17.6	10.1	28.4	31.0	35.4	37.9
Single (never married)	1,994	862	620	275	236	13.0	6.8	43.7	43.2	26.8	25.6
Females, 16 years and over:											
Married, spouse present	1,549	808	428	174	139	10.4	4.8	50.2	52.1	19.6	20.2
Widowed, divorced, or separated	778	344	230	102	103	13.6	6.3	45.0	44.2	26.5	26.3
Single (never married)	1,483	809	434	134	106	9.6	4.6	52.0	54.6	17.1	16.2

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 28 weeks	27 weeks and over			Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981
	September 1981										
OCCUPATION											
White-collar workers	2,380	1,153	694	297	236	11.7	5.4	47.5	48.4	22.4	22.4
Professional and managerial	858	399	245	94	119	13.1	6.1	46.9	46.5	23.2	24.9
Sales workers	318	154	98	42	24	9.7	5.4	41.2	48.6	27.6	20.7
Clerical workers	1,204	599	351	161	93	11.2	5.1	49.1	49.7	20.8	21.1
Blue-collar workers	3,019	1,268	860	364	528	15.3	7.1	35.8	42.0	33.1	29.5
Craft and kindred workers	833	381	223	101	128	13.5	6.0	35.1	45.8	31.0	27.4
Operatives, except transport	1,255	517	377	143	217	15.7	7.5	32.8	41.2	36.4	28.7
Transport equipment operatives	279	104	76	43	56	17.0	9.0	38.7	37.2	32.7	35.6
Nonfarm laborers	652	265	183	76	127	15.9	7.2	41.7	40.7	28.7	31.1
Service workers	1,281	627	349	142	162	12.5	5.3	49.8	49.0	23.1	23.7
INDUSTRY¹											
Agriculture	160	92	45	14	9	8.6	4.3	52.8	57.5	13.5	14.2
Construction	632	289	174	66	103	13.9	5.9	39.2	45.8	33.1	26.7
Manufacturing	1,657	668	508	191	290	15.9	7.6	32.9	40.3	36.0	29.0
Durable goods	1,000	379	302	125	195	17.7	8.2	27.8	37.9	39.5	31.9
Nondurable goods	657	289	206	67	95	13.1	6.6	42.8	44.0	29.0	24.6
Transportation and public utilities	268	103	94	22	50	16.0	8.5	45.1	38.3	27.3	26.8
Wholesale and retail trade	1,598	795	440	213	151	11.1	5.1	45.3	49.7	23.4	22.8
Finance and service industries	1,957	929	527	255	245	13.0	5.7	48.9	47.5	21.2	25.5
Public administration	308	126	100	36	45	12.8	6.4	48.5	40.9	22.1	26.6
No previous work experience	897	451	276	114	57	10.2	5.0	50.6	50.2	15.7	19.0

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. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981
All industries	97,256	98,277	55,853	56,406	41,404	41,871
18 to 19 years	7,138	6,657	3,724	3,514	3,414	3,143
16 to 17 years	2,817	2,602	1,461	1,390	1,356	1,212
18 to 19 years	4,320	4,055	2,263	2,124	2,058	1,931
20 to 24 years	13,520	13,586	7,161	7,245	6,359	6,341
25 to 54 years	62,256	63,862	36,212	37,927	26,044	26,835
25 to 34 years	26,420	27,507	15,355	15,314	11,065	11,593
35 to 44 years	19,480	20,159	11,263	11,582	8,218	8,577
45 to 54 years	16,356	16,195	9,594	9,532	6,762	6,664
55 to 64 years	11,409	11,256	6,929	6,326	4,480	4,430
55 to 59 years	7,016	6,995	4,241	4,192	2,775	2,803
60 to 64 years	4,393	4,261	2,688	2,534	1,705	1,627
65 years and over	2,933	2,917	1,826	1,794	1,107	1,123
Nonagricultural industries	93,621	94,726	52,962	53,599	40,659	41,127
18 to 19 years	6,690	6,262	3,358	3,184	3,332	3,078
16 to 17 years	2,589	2,398	1,271	1,224	1,317	1,174
18 to 19 years	4,101	3,865	2,087	1,960	2,014	1,904
20 to 24 years	13,082	13,114	6,796	6,368	6,286	6,246
25 to 54 years	60,404	62,008	34,826	35,521	25,578	26,387
25 to 34 years	25,709	26,762	14,803	15,341	10,905	11,421
35 to 44 years	18,944	19,599	10,869	11,176	8,075	8,423
45 to 54 years	15,751	15,647	9,154	9,104	6,598	6,543
55 to 64 years	10,847	10,732	6,453	6,399	4,394	4,333
55 to 59 years	6,718	6,695	3,998	3,960	2,720	2,735
60 to 64 years	4,129	4,037	2,455	2,439	1,674	1,598
65 years and over	2,598	2,610	1,528	1,527	1,069	1,083
Agriculture	3,635	3,551	2,891	2,807	744	744
18 to 19 years	448	394	366	330	82	64
16 to 17 years	229	204	190	166	39	38
18 to 19 years	219	190	176	164	43	26
20 to 24 years	438	472	365	377	73	94
25 to 54 years	1,853	1,854	1,387	1,406	466	448
25 to 34 years	712	745	552	573	159	172
35 to 44 years	537	561	394	406	143	155
45 to 54 years	605	549	441	428	164	121
55 to 64 years	562	524	476	427	86	97
55 to 59 years	297	300	243	232	54	68
60 to 64 years	264	224	233	195	31	29
65 years and over	335	307	298	266	37	40

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. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981
TOTAL	97,256	98,277	52,129	52,892	37,990	38,728	3,724	3,514	3,414	3,143
White-collar workers	50,873	51,617	23,226	23,530	25,258	25,899	589	552	1,800	1,635
Professional and technical	15,454	16,173	8,518	8,929	6,747	7,110	91	57	98	77
Health workers	2,835	3,118	921	1,021	1,887	2,082	8	4	19	11
Teachers, except college	3,267	3,202	987	957	2,258	2,232	4	3	17	10
Other professional and technical	9,352	9,853	6,610	6,951	2,602	2,796	79	50	62	56
Managers and administrators, except farm	11,117	11,420	8,192	8,278	2,831	3,042	48	59	45	41
Salaried workers	9,109	9,427	6,667	6,792	2,355	2,539	40	57	45	41
Self-employed workers in retail trade	932	879	604	576	327	300	2	2	--	1
Self-employed workers, except retail trade	1,076	1,114	921	910	150	203	5	1	--	--
Sales workers	6,220	6,194	3,184	3,147	2,438	2,403	185	227	413	416
Retail trade	3,178	3,193	1,041	996	1,618	1,619	137	185	382	393
Other industries	3,041	3,001	2,143	2,151	820	784	47	42	31	23
Clerical workers	18,083	17,829	3,332	3,176	13,241	13,345	266	209	1,244	1,100
Stenographers, typists, and secretaries	4,840	4,812	63	83	4,465	4,475	4	1	308	253
Other clerical workers	13,243	13,017	3,269	3,093	8,776	8,870	262	208	936	847
Blue-collar workers	30,725	30,920	22,959	23,351	5,385	5,441	2,039	1,819	341	309
Craft and kindred workers	12,684	12,397	11,399	11,279	724	698	522	384	41	36
Carpenters	1,247	1,123	1,140	1,054	24	17	85	50	--	3
Construction craft workers, except carpenters	2,717	2,619	2,539	2,471	59	39	115	106	6	2
Mechanics and repairers	3,360	3,249	3,114	3,040	51	65	193	142	3	3
Metal craft workers	1,308	1,296	1,231	1,227	44	49	31	21	2	--
Blue-collar worker supervisors, not elsewhere classified	1,718	1,740	1,491	1,560	200	173	22	6	6	2
All other	2,334	2,370	1,884	1,927	348	357	77	60	26	27
Operatives, except transport	10,257	10,386	5,588	5,762	3,963	3,979	501	495	206	150
Durable goods manufacturing	4,483	4,537	2,792	2,901	1,462	1,479	165	124	63	34
Nondurable goods manufacturing	3,289	3,288	1,260	1,225	1,852	1,868	80	114	96	81
Other industries	2,485	2,561	1,536	1,635	648	633	255	257	47	36
Transport equipment operatives	3,472	3,494	3,024	3,033	295	322	143	125	11	13
Drivers, motor vehicles	2,926	2,947	2,520	2,534	267	295	128	107	11	11
All other	547	547	504	500	29	26	14	18	--	3
Nonfarm laborers	4,311	4,644	2,949	3,276	404	443	874	815	84	110
Construction	769	793	631	648	17	17	116	122	5	7
Manufacturing	938	1,029	726	796	127	131	78	88	7	14
Other industries	2,603	2,822	1,592	1,832	260	295	680	605	71	89
Service workers	12,741	12,856	3,854	3,940	6,850	6,889	824	874	1,212	1,152
Private household workers	1,000	931	12	26	806	758	7	6	175	141
Service workers, except private household	11,741	11,925	3,842	3,914	6,044	6,131	818	868	1,037	1,011
Food service workers	4,383	4,588	808	878	2,298	2,362	547	599	730	750
Protective service workers	1,344	1,378	1,197	1,232	117	126	25	17	5	3
All other	6,014	5,959	1,837	1,804	3,629	3,643	246	252	302	258
Farm workers	2,918	2,884	2,090	2,071	496	498	272	268	60	46
Farmers and farm managers	1,597	1,567	1,394	1,341	177	200	24	24	3	2
Farm laborers and supervisors	1,321	1,318	697	731	320	299	248	244	57	44
Paid workers	1,008	1,056	664	694	119	140	183	199	41	23
Unpaid family workers	313	262	32	37	200	159	64	45	16	22

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

[Percent distribution]

Occupation and race	Total		Males		Females	
	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981
TOTAL						
Total, 16 years and over (thousands)	97,256	98,277	55,853	56,406	41,404	41,871
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.3	52.5	42.6	42.7	65.4	65.8
Professional and technical	15.9	16.5	15.4	15.9	16.5	17.2
Managers and administrators, except farm	11.4	11.6	14.8	14.8	6.9	7.4
Sales workers	6.4	6.3	6.0	6.0	6.9	6.7
Clerical workers	18.6	18.1	6.4	6.0	35.0	34.5
Blue-collar workers	31.6	31.5	44.8	44.6	13.8	13.7
Craft and kindred workers	13.0	12.6	21.3	20.7	1.8	1.8
Operatives, except transport	10.5	10.6	10.9	11.1	10.1	9.9
Transport equipment operatives	3.6	3.6	5.7	5.6	.7	.8
Nonfarm laborers	4.4	4.7	6.8	7.3	1.2	1.3
Service workers	13.1	13.1	8.4	8.5	19.5	19.2
Private household workers	1.0	.9	(1)	.1	2.4	2.1
Other service workers	12.1	12.1	8.3	8.5	17.1	17.1
Farm workers	3.0	2.9	4.2	4.1	1.3	1.3
Farmers and farm managers	1.6	1.6	2.5	2.4	.4	.5
Farm laborers and supervisors	1.4	1.3	1.7	1.7	.9	.8
White						
Total, 16 years and over (thousands)	86,329	87,320	50,204	50,705	36,125	36,614
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	54.0	54.1	44.2	44.1	67.6	67.8
Professional and technical	16.3	16.8	15.9	16.3	16.8	17.4
Managers and administrators, except farm	12.2	12.4	15.6	15.7	7.4	7.8
Sales workers	6.9	6.7	6.4	6.3	7.5	7.2
Clerical workers	18.6	18.2	6.2	5.7	35.9	35.4
Blue-collar workers	31.1	30.9	44.0	43.8	13.1	13.0
Craft and kindred workers	13.4	13.1	21.8	21.2	1.9	1.8
Operatives, except transport	10.0	10.0	10.5	10.7	9.4	9.1
Transport equipment operatives	3.4	3.4	5.4	5.3	.8	.8
Nonfarm laborers	4.1	4.4	6.3	6.7	1.1	1.3
Service workers	11.8	11.9	7.5	7.7	17.8	17.8
Private household workers	.8	.7	(1)	(1)	1.8	1.6
Other service workers	11.1	11.2	7.4	7.7	16.1	16.1
Farm workers	3.1	3.1	4.4	4.3	1.4	1.4
Farmers and farm managers	1.8	1.8	2.7	2.6	.5	.5
Farm laborers and supervisors	1.4	1.4	1.6	1.7	1.0	.9
Black and other						
Total, 16 years and over (thousands)	10,928	10,957	5,649	5,701	5,279	5,256
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	39.1	40.3	29.0	30.2	50.0	51.2
Professional and technical	12.6	13.9	10.7	12.3	14.7	15.7
Managers and administrators, except farm	5.5	5.4	7.0	6.7	3.9	4.1
Sales workers	2.8	3.0	2.7	2.9	2.9	3.2
Clerical workers	18.2	17.9	8.7	8.4	28.5	28.3
Blue-collar workers	35.7	35.9	51.6	51.5	18.7	18.9
Craft and kindred workers	9.8	8.7	17.4	15.7	1.7	1.1
Operatives, except transport	14.5	15.2	14.3	14.9	14.7	15.4
Transport equipment operatives	4.6	4.8	8.4	8.6	.6	.8
Nonfarm laborers	6.8	7.2	11.6	12.3	1.6	1.6
Service workers	23.3	22.3	16.4	15.8	30.6	29.3
Private household workers	3.2	2.8	.1	.1	6.5	5.8
Other service workers	20.1	19.4	16.3	15.7	24.1	23.5
Farm workers	1.8	1.5	2.9	2.5	.7	.6
Farmers and farm managers	.4	.3	.7	.5	.1	.1
Farm laborers and supervisors	1.4	1.2	2.2	1.9	.6	.4

¹ Less than 0.05 percent.

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

[In thousands]

Age and sex	September 1981								
	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	87,305	1,071	15,035	71,200	7,022	399	1,529	1,751	271
16 to 19 years	6,158	211	332	5,615	84	20	276	51	67
16 to 17 years	2,349	151	73	2,124	36	13	126	31	47
18 to 19 years	3,809	59	259	3,491	49	7	151	20	20
20 to 24 years	12,772	107	1,276	11,389	313	29	344	101	27
25 to 34 years	24,981	152	4,359	20,471	1,682	99	376	319	50
35 to 44 years	17,734	125	3,703	13,906	1,782	83	206	321	33
45 to 54 years	14,087	137	3,050	10,900	1,483	76	163	334	52
55 to 64 years	9,540	204	1,980	7,355	1,117	75	109	388	26
55 to 59 years	5,989	106	1,267	4,616	655	51	64	217	18
60 to 64 years	3,550	98	713	2,739	462	24	45	171	8
65 years and over	2,034	135	335	1,564	560	17	55	236	15
Males, 16 years and over	48,602	160	7,336	41,107	4,937	60	1,210	1,515	82
16 to 19 years	3,114	67	144	2,903	57	12	236	49	46
16 to 17 years	1,192	52	36	1,104	23	9	105	31	30
18 to 19 years	1,922	14	108	1,800	34	4	130	18	16
20 to 24 years	6,638	19	511	6,108	212	18	262	95	20
25 to 34 years	14,153	27	2,104	12,022	1,180	7	294	271	7
35 to 44 years	9,953	9	1,825	8,119	1,216	7	147	256	3
45 to 54 years	8,044	1	1,517	6,526	1,060	--	134	294	--
55 to 64 years	5,566	20	1,050	4,496	821	11	85	341	1
55 to 59 years	3,463	12	656	2,794	489	8	44	188	--
60 to 64 years	2,104	8	394	1,702	332	3	41	153	--
65 years and over	1,134	17	184	933	389	4	52	209	5
Females, 16 years and over	38,703	910	7,699	30,093	2,085	339	319	235	189
16 to 19 years	3,043	144	188	2,712	27	8	41	2	22
16 to 17 years	1,157	99	38	1,020	12	4	21	--	17
18 to 19 years	1,886	45	150	1,691	14	4	20	2	4
20 to 24 years	6,134	88	764	5,282	101	12	82	6	7
25 to 34 years	10,828	124	2,255	8,449	502	91	81	48	43
35 to 44 years	7,781	116	1,879	5,787	566	75	60	65	30
45 to 54 years	6,043	136	1,533	4,374	423	77	28	40	53
55 to 64 years	3,974	184	930	2,859	296	64	24	47	26
55 to 59 years	2,527	94	611	1,822	166	43	20	30	18
60 to 64 years	1,447	90	319	1,037	130	21	4	18	8
65 years and over	900	118	150	632	171	12	3	27	10

A-24. Employed persons by industry and occupation

[In thousands]

Industry	September 1981											
	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	3,551	102	33	3	80	60	18	27	327	--	17	2,884
Mining	1,124	152	122	8	123	292	352	51	20	--	6	--
Construction	6,088	192	780	18	470	3,351	293	170	793	--	19	--
Manufacturing	21,462	2,590	1,632	501	2,623	4,099	7,825	781	1,029	--	382	--
Durable goods	13,092	1,826	967	200	1,578	2,778	4,537	368	610	--	228	--
Nondurable goods	8,370	764	665	301	1,045	1,321	3,288	413	419	--	154	--
Transportation and public utilities	6,645	655	716	70	1,524	1,353	177	1,498	465	--	186	--
Wholesale and retail trade	19,904	453	3,973	4,107	3,478	1,325	845	722	1,208	--	3,791	--
Wholesale trade	3,903	166	848	914	769	313	194	373	288	--	38	--
Retail trade	16,001	287	3,125	3,193	2,710	1,012	651	349	920	--	3,753	--
Finance, insurance, and real estate	5,888	375	1,201	1,277	2,623	85	5	6	83	--	233	--
Services	28,616	10,655	2,210	206	5,144	1,551	834	195	593	931	6,295	--
Private households	1,125	8	--	--	8	17	7	--	120	931	34	--
Other service industries	27,491	10,647	2,210	206	5,136	1,534	827	195	473	--	6,261	--
Public administration	4,998	999	753	3	1,764	279	36	43	127	--	994	--

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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 salery workers ¹			
					Paid absences ²		Unpaid absences ²	
	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981
Total, 16 years and over	4,771	5,368	4,689	5,250	2,364	3,029	1,785	1,710
Vacation	2,426	3,124	2,402	3,080	1,686	2,315	503	542
Illness	1,394	1,277	1,369	1,252	538	521	721	644
Bad weather	32	36	25	27	--	--	--	--
Industrial dispute	125	29	125	29	--	--	--	--
All other reasons	794	902	769	862	140	193	561	524
Males, 16 years and over	2,554	2,868	2,489	2,774	1,345	1,723	817	733
Vacation	1,284	1,687	1,270	1,653	971	1,325	173	195
Illness	770	721	747	702	296	307	381	339
All other reasons ³	499	460	472	418	77	91	262	199
Females, 16 years and over	2,217	2,500	2,200	2,476	1,019	1,308	968	976
Vacation	1,142	1,437	1,132	1,427	715	991	330	347
Illness	624	556	622	549	241	216	339	305
All other reasons ³	452	507	447	499	63	101	299	324

¹ Excludes private household workers.

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

² Pay 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 1981					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total, 16 years and over	92,909	89,476	3,433	100.0	100.0	100.0
1-34 hours	44,832	43,745	1,087	48.3	48.9	31.7
1-4 hours	779	721	59	.8	.8	1.7
5-14 hours	4,206	4,015	190	4.5	4.5	5.5
15-29 hours	13,395	12,866	529	14.4	14.4	15.4
30-34 hours	26,452	26,143	309	28.5	29.2	9.0
35 hours and over	48,078	45,731	2,345	51.7	51.1	68.3
35-39 hours	5,874	5,733	140	6.3	6.4	4.1
40 hours	24,261	23,695	565	26.1	26.5	16.5
41 hours and over	17,943	16,303	1,640	19.3	18.2	47.8
41 to 48 hours	6,100	5,927	174	6.6	6.6	5.1
49 to 59 hours	6,422	5,989	433	6.9	6.7	12.6
60 hours and over	5,421	4,387	1,033	5.8	4.9	30.1
Average hours, total at work	35.9	35.5	44.9	--	--	--
Average hours, workers on full-time schedules	39.6	39.1	52.9	--	--	--

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 1981					
	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	44,832	29,426	15,406	43,745	29,000	14,745
Economic reasons	4,344	1,663	2,681	4,092	1,528	2,564
Slack work	2,041	1,178	863	1,860	1,049	811
Material shortages or repairs to plant and equipment	62	62	--	61	61	--
New job started during week	292	292	--	291	291	--
Job terminated during week	131	131	--	127	127	--
Could find only part-time work	1,818	--	1,818	1,753	--	1,753
Other reasons	40,490	27,765	12,725	39,653	27,472	12,181
Does not want, or unavailable for, full-time work	10,545	--	10,545	10,102	--	10,102
Vacation	1,057	1,057	--	1,035	1,035	--
Illness	1,045	875	170	1,000	849	151
Bad weather	182	182	--	135	135	--
Industrial dispute	82	82	--	82	82	--
Legal or religious holiday	24,518	24,518	--	24,378	24,378	--
Full time for this job	1,369	--	1,369	1,328	--	1,328
All other reasons	1,690	1,049	641	1,593	993	600
Average hours:						
Economic reasons	21.0	22.5	20.1	21.1	22.5	20.2
Other reasons	26.6	30.2	18.6	26.7	30.2	18.7
Worked 30 to 34 hours:						
Economic reasons	1,129	592	537	1,053	530	523
Other reasons	25,323	23,333	1,990	25,090	23,168	1,922

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

[Numbers in thousands]

Industry	September 1981								Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	On part time for economic reasons	On voluntary part time	Full- or part-time status						
				On full-time schedules						
				Total	40 hours or less	41 to 48 hours	49 hours or more			
Total, 16 years and over ¹	89,476	4,092	12,181	73,203	56,900	5,927	10,376	35.5	39.1	
Wage and salary workers	82,537	3,596	10,969	67,972	54,262	5,436	8,274	35.2	38.6	
Construction	4,666	418	206	4,042	3,296	257	489	35.5	37.9	
Manufacturing	19,986	557	640	18,789	15,584	1,578	1,627	36.6	37.6	
Durable goods	12,117	218	248	11,651	9,818	878	955	36.8	37.3	
Nondurable goods	7,870	340	392	7,138	5,766	700	672	36.4	38.0	
Transportation and public utilities	5,895	190	413	5,292	4,192	389	711	37.5	39.5	
Wholesale and retail trade	17,093	1,114	4,192	11,787	8,475	1,334	1,978	34.0	40.3	
Finance, insurance, and real estate	5,076	85	522	4,469	3,812	215	442	35.1	37.0	
Service industries	24,136	1,154	4,733	18,249	14,676	1,241	2,332	33.6	38.5	
Private households	1,042	190	527	325	252	9	64	22.4	41.2	
All other industries	23,094	964	4,206	17,924	14,424	1,232	2,268	34.1	38.5	
Public administration	4,651	64	239	4,348	3,600	300	448	36.6	37.9	
Self-employed workers	6,540	473	1,053	5,014	2,508	470	2,036	39.7	46.4	
Unpaid family workers	399	23	158	218	131	21	66	33.6	44.1	

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 1981							Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules					
				Total	40 hours or less	41 hours or more			
TOTAL									
Both sexes, 16 years and over	89,476	4,092	12,181	73,203	56,900	16,303	35.5	39.1	
16 to 21 years	10,899	991	3,956	5,952	5,069	883	28.5	37.4	
16 to 19 years	6,104	604	3,036	2,464	2,082	382	25.4	37.5	
16 to 17 years	2,352	157	1,830	365	325	40	18.8	36.2	
18 to 19 years	3,752	448	1,207	2,097	1,755	342	29.5	37.7	
20 years and over	83,372	3,487	9,144	70,741	54,821	15,920	36.2	39.2	
20 to 24 years	12,504	791	1,698	10,015	8,302	1,713	34.4	38.0	
25 years and over	70,869	2,696	7,446	60,727	46,521	14,206	36.6	39.4	
25 to 44 years	43,990	1,677	3,914	38,399	29,028	9,371	37.1	39.6	
45 to 64 years	24,454	901	2,414	21,139	16,601	4,538	36.5	39.0	
65 years and over	2,425	118	1,118	1,189	891	298	28.0	39.6	
Males, 16 years and over	50,825	1,842	3,603	45,380	32,702	12,678	38.3	40.5	
16 to 21 years	5,579	462	1,809	3,308	2,681	627	29.9	38.2	
16 to 19 years	3,091	301	1,441	1,349	1,089	260	26.5	38.2	
16 to 17 years	1,198	81	900	217	187	30	19.6	36.6	
18 to 19 years	1,893	221	541	1,131	899	232	30.9	38.5	
20 years and over	47,734	1,541	2,161	44,032	31,614	12,418	39.0	40.6	
20 to 24 years	6,597	370	669	5,558	4,279	1,279	36.2	39.3	
25 years and over	41,136	1,171	1,492	38,473	27,333	11,140	39.5	40.8	
25 to 44 years	25,309	733	449	24,127	16,785	7,342	40.2	41.2	
45 to 64 years	14,415	390	451	13,574	9,985	3,589	39.1	40.2	
65 years and over	1,413	47	592	774	567	207	29.4	39.6	
Females, 16 years and over	38,651	2,249	8,578	27,824	24,199	3,625	31.9	36.8	
16 to 21 years	5,320	528	2,147	2,645	2,389	256	27.0	36.3	
16 to 19 years	3,013	303	1,595	1,115	993	122	24.3	36.6	
16 to 17 years	1,154	76	929	149	137	12	18.0	35.6	
18 to 19 years	1,859	227	665	967	856	111	28.1	36.7	
20 years and over	35,638	1,946	6,983	26,709	23,207	3,502	32.5	36.8	
20 to 24 years	5,907	420	1,029	4,458	4,022	436	32.3	36.3	
25 years and over	29,731	1,527	5,955	22,249	19,183	3,066	32.6	36.9	
25 to 44 years	18,681	944	3,465	14,272	12,244	2,028	32.9	36.9	
45 to 64 years	10,039	512	1,963	7,564	6,619	945	32.7	36.8	
65 years and over	1,011	71	526	414	323	91	26.0	39.6	
RACE									
White	79,467	3,478	11,207	64,782	49,618	15,164	35.5	39.3	
Males	45,637	1,602	3,279	40,756	28,892	11,864	38.4	40.7	
Females	33,829	1,875	7,927	24,027	20,727	3,300	31.7	36.8	
Black and other	10,010	613	974	8,423	7,285	1,138	35.2	38.0	
Males	5,188	239	323	4,626	3,813	813	37.1	39.2	
Females	4,822	374	651	3,797	3,472	325	33.1	36.6	
MARITAL STATUS									
Males, 16 years and over:									
Married, spouse present	34,673	854	1,178	32,641	22,934	9,707	39.7	40.9	
Widowed, divorced, or separated	4,415	193	193	4,029	2,885	1,144	38.9	40.8	
Single (never married)	11,737	794	2,231	8,712	6,884	1,828	33.8	39.1	
Females, 16 years and over:									
Married, spouse present	21,365	1,005	5,161	15,199	13,343	1,856	31.6	36.5	
Widowed, divorced, or separated	7,610	513	1,008	6,089	5,184	905	34.1	37.6	
Single (never married)	9,675	731	2,409	6,535	5,670	865	30.8	36.9	

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

[Numbers in thousands]

Occupation and sex	September 1981								
	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	90,109	4,139	12,289	73,681	57,219	5,952	10,510	35.5	39.2
White-collar workers	48,766	1,291	6,614	40,861	31,198	3,030	6,633	35.9	39.2
Professional and technical	15,224	301	1,590	13,333	10,191	1,017	2,125	36.4	38.9
Managers and administrators, except farm	10,853	122	547	10,184	6,137	1,006	3,041	41.8	43.3
Sales workers	5,874	289	1,473	4,112	2,927	360	825	33.9	40.4
Clerical workers	16,815	577	3,005	13,233	11,943	648	642	32.4	35.9
Blue-collar workers	29,246	1,672	1,968	25,606	20,292	2,297	3,017	36.5	38.8
Craft and kindred workers	11,665	538	425	10,702	8,274	968	1,460	37.6	39.1
Operatives, except transport	9,845	505	490	8,850	7,426	770	654	36.0	37.6
Transport equipment operatives	3,325	212	301	2,812	1,892	289	631	38.5	42.2
Nonfarm laborers	4,411	416	752	3,243	2,699	271	273	33.0	38.1
Service workers	12,097	1,176	3,707	7,214	5,729	625	860	31.5	40.2
Private household	900	137	443	320	244	11	65	24.0	41.1
Other service workers	11,197	1,038	3,264	6,895	5,486	614	795	32.1	40.2
Males, 16 years and over	51,272	1,872	3,660	45,740	32,934	4,299	8,507	38.2	40.6
White-collar workers	22,930	357	1,345	21,228	14,116	1,962	5,150	39.9	41.6
Professional and technical	8,477	116	409	7,952	5,655	668	1,629	39.0	40.3
Managers and administrators, except farm	7,943	84	200	7,659	4,279	801	2,579	43.4	44.3
Sales workers	3,256	73	390	2,793	1,835	281	677	38.3	41.6
Clerical workers	3,253	83	346	2,824	2,349	212	263	35.4	37.9
Blue-collar workers	23,836	1,234	1,362	21,240	16,397	1,991	2,852	37.2	39.4
Craft and kindred workers	10,990	505	342	10,143	7,802	922	1,419	37.8	39.3
Operatives, except transport	5,952	191	223	5,538	4,416	557	565	37.5	38.7
Transport equipment operatives	3,006	169	168	2,669	1,778	274	617	39.7	42.3
Nonfarm laborers	3,888	369	629	2,890	2,402	238	250	33.1	38.2
Service workers	4,506	281	953	3,272	2,421	346	505	35.3	41.7
Private household	32	2	11	19	10	--	9	38.3	47.9
Other service workers	4,474	281	942	3,251	2,409	346	496	35.3	41.6
Females, 16 years and over	38,838	2,267	8,629	27,942	24,286	1,653	2,003	31.9	36.8
White-collar workers	25,836	934	5,269	19,633	17,082	1,068	1,483	32.4	36.5
Professional and technical	6,747	185	1,181	5,381	4,537	349	495	33.2	36.9
Managers and administrators, except farm	2,909	38	347	2,524	1,858	204	462	37.4	40.1
Sales workers	2,618	216	1,082	1,320	1,093	79	148	28.4	37.9
Clerical workers	13,562	495	2,659	10,408	9,593	436	379	31.7	35.3
Blue-collar workers	5,410	438	606	4,366	3,895	306	165	33.2	36.2
Craft and kindred workers	674	33	83	558	472	46	40	33.5	36.8
Operatives, except transport	3,893	315	267	3,311	3,010	212	89	33.8	35.8
Transport equipment operatives	320	44	133	143	115	14	14	27.3	39.5
Nonfarm laborers	523	47	123	353	298	33	22	31.7	37.6
Service workers	7,592	895	2,754	3,943	3,309	279	355	29.2	39.0
Private household	868	138	432	298	231	11	56	23.5	40.6
Other service workers	6,724	757	2,322	3,645	3,078	268	299	29.9	38.8

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

[Numbers in thousands]

Employment status	September 1981								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,221	3,674	3,548	5,979	3,050	2,929	1,243	624	619
Civilian labor force	1,154	626	528	1,070	596	475	84	30	53
Employed	994	551	444	946	537	409	49	14	35
Agriculture	108	89	19	109	90	19	--	--	--
Nonagricultural industries	887	462	425	837	446	391	50	15	34
Unemployed	159	75	84	125	59	66	35	16	19
Unemployment rate	13.8	12.0	15.9	11.7	9.9	13.9	41.7	(1)	(1)
Not in labor force	6,068	3,048	3,020	4,909	2,454	2,454	1,159	593	566
Keeping house	38	2	36	27	3	24	10	--	12
Going to school	5,644	2,835	2,809	4,570	2,283	2,281	1,074	546	528
Unable to work	4	1	3	--	--	1	4	2	1
All other reasons	383	210	172	312	164	148	71	47	24

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 1981					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	994	551	444	100.0	100.0	100.0
Nonagricultural industries	887	462	425	89.0	83.8	95.7
Wage and salary workers	798	389	409	80.0	70.6	92.1
Private household workers	296	98	198	29.7	17.8	44.6
Government workers	7	3	3	.7	.5	.7
Other wage and salary workers	496	287	208	49.7	52.1	46.8
Self-employed workers	68	53	16	6.8	9.6	3.6
Unpaid family workers	21	21	--	2.1	3.8	--
Agriculture	108	89	19	10.8	16.2	4.3
Wage and salary workers	62	58	3	6.2	10.5	.7
Self-employed workers	21	17	4	2.1	3.1	.9
Unpaid family workers	26	14	12	2.6	2.5	2.7
OCCUPATION						
Total	994	551	444	100.0	100.0	100.0
White-collar workers	286	185	102	28.8	33.5	23.0
Professional and technical	7	7	--	.7	1.3	--
Managers and administrators, except farm	8	8	--	.8	1.4	--
Sales workers	221	153	67	22.2	27.7	15.1
Clerical workers	50	16	34	5.0	2.9	7.7
Blue-collar workers	196	173	23	19.7	31.3	5.2
Craft and kindred workers	11	12	--	1.1	2.2	--
Operatives, except transport	22	16	6	2.2	2.9	1.4
Transport equipment operatives	--	--	2	--	--	.5
Nonfarm laborers	163	147	16	16.4	26.6	3.6
Service workers	430	125	305	43.3	22.6	68.7
Private household workers	196	12	183	19.7	2.2	41.2
Other service workers	234	113	122	23.5	20.5	27.5
Farm workers	82	68	14	8.2	12.3	3.2
Farmers and farm managers	6	5	1	.6	.9	.2
Farm laborers and supervisors	76	63	13	7.6	11.4	2.9

**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	1930				1981								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
TOTAL													
Total noninstitutional population ¹	166,789	167,005	167,201	167,396	167,585	167,747	167,902	168,071	168,272	168,480	168,685	168,855	169,049
Armed Forces ¹	2,421	2,121	2,119	2,124	2,125	2,121	2,128	2,129	2,127	2,131	2,139	2,160	2,165
Civilian noninstitutional population ¹	164,667	164,884	165,082	165,272	165,460	165,627	165,774	165,941	166,145	166,349	166,546	166,695	166,884
Civilian labor force	104,980	105,167	105,285	105,067	105,543	105,681	106,177	106,722	107,406	106,176	106,464	106,602	106,236
Percent of civilian population	63.8	63.8	63.8	63.6	63.8	63.8	64.0	64.3	64.6	63.8	63.9	64.0	63.7
Employed	97,180	97,206	97,339	97,282	97,696	97,927	98,412	98,976	99,235	98,392	98,962	98,944	98,270
Percent of total population	58.3	58.2	58.2	58.1	58.3	58.4	58.6	58.9	59.0	58.4	58.7	58.6	58.1
Agriculture	3,399	3,319	3,340	3,394	3,403	3,281	3,276	3,463	3,353	3,265	3,258	3,370	3,310
Nonagricultural industries	93,781	93,887	93,999	93,888	94,294	94,646	95,136	95,513	95,882	95,127	95,704	95,574	94,959
Unemployed	7,600	7,961	7,946	7,785	7,847	7,754	7,764	7,746	8,171	7,784	7,502	7,657	7,966
Unemployment rate	7.4	7.6	7.5	7.4	7.4	7.3	7.3	7.3	7.6	7.3	7.0	7.2	7.5
Not in labor force	59,687	59,717	59,797	60,205	59,917	59,946	59,598	59,219	58,739	60,173	60,082	60,093	60,648
Males, 20 years and over													
Total noninstitutional population ¹	71,544	71,661	71,768	71,875	71,980	72,070	72,155	72,249	72,359	72,474	72,586	72,687	72,798
Civilian noninstitutional population ¹	69,664	69,987	70,095	70,198	70,320	70,413	70,481	70,574	70,687	70,788	70,894	70,978	71,086
Civilian labor force	55,475	55,495	55,539	55,470	55,443	55,445	55,816	56,013	56,395	55,876	55,957	56,045	56,063
Percent of civilian population	79.4	79.3	79.2	79.0	78.8	78.7	79.2	79.4	79.8	78.9	78.9	79.0	78.9
Employed	51,823	51,963	52,007	52,045	52,091	52,134	52,511	52,750	52,849	52,451	52,811	52,724	52,608
Percent of total population	72.4	72.5	72.5	72.4	72.4	72.3	72.8	73.0	73.0	72.4	72.8	72.5	72.3
Agriculture	2,389	2,351	2,372	2,331	2,378	2,289	2,296	2,409	2,349	2,320	2,329	2,402	2,343
Nonagricultural industries	49,434	49,612	49,635	49,714	49,713	49,844	50,215	50,342	50,500	50,131	50,482	50,323	50,264
Unemployed	3,652	3,532	3,532	3,425	3,352	3,312	3,305	3,262	3,546	3,425	3,147	3,321	3,455
Unemployment rate	6.6	6.4	6.4	6.2	6.0	6.0	5.9	5.8	6.3	6.1	5.6	5.9	6.2
Not in labor force	14,389	14,492	14,556	14,728	14,877	14,968	14,665	14,561	14,292	14,912	14,937	14,933	15,023
Females, 20 years and over													
Total noninstitutional population ¹	78,732	78,860	78,979	79,097	79,212	79,315	79,415	79,522	79,642	79,766	79,889	79,999	80,122
Civilian noninstitutional population ¹	78,398	78,723	78,842	78,959	79,071	79,175	79,271	79,377	79,498	79,617	79,739	79,848	79,968
Civilian labor force	40,317	40,486	40,629	40,570	40,942	41,090	41,293	41,481	41,852	41,743	41,879	41,857	41,395
Percent of civilian population	51.3	51.4	51.5	51.4	51.8	51.9	52.1	52.3	52.6	52.4	52.5	52.4	51.8
Employed	37,404	37,754	37,909	37,820	38,191	38,410	38,567	38,760	39,014	39,011	39,082	39,155	38,576
Percent of total population	47.5	47.9	48.0	47.8	48.2	48.4	48.6	48.7	49.0	48.9	48.9	48.9	48.1
Agriculture	592	576	574	665	621	615	606	603	583	562	575	601	603
Nonagricultural industries	37,412	37,178	37,335	37,155	37,570	37,794	37,961	38,157	38,431	38,449	38,507	38,554	37,973
Unemployed	2,913	2,732	2,720	2,750	2,750	2,680	2,725	2,721	2,838	2,731	2,792	2,701	2,819
Unemployment rate	6.2	6.7	6.7	6.8	6.7	6.5	6.6	6.6	6.8	6.5	6.7	6.5	6.8
Not in labor force	38,481	38,237	38,213	38,389	38,129	38,085	37,978	37,896	37,646	37,874	37,860	37,991	38,573
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,512	16,484	16,454	16,424	16,393	16,362	16,331	16,300	16,270	16,240	16,210	16,169	16,129
Civilian noninstitutional population ¹	16,405	16,174	16,145	16,114	16,069	16,039	16,022	15,991	15,961	15,944	15,913	15,869	15,831
Civilian labor force	9,188	9,186	9,117	9,027	9,158	9,146	9,068	9,228	9,159	8,558	8,628	8,700	8,778
Percent of civilian population	56.7	56.8	56.5	56.0	57.0	57.0	56.6	57.7	57.4	53.7	54.2	54.8	55.4
Employed	7,553	7,489	7,423	7,417	7,414	7,384	7,334	7,465	7,372	6,930	7,069	7,065	7,086
Percent of total population	45.7	45.4	45.1	45.2	45.2	45.1	44.9	45.8	45.3	42.7	43.6	43.7	43.9
Agriculture	418	392	394	398	404	376	374	451	421	383	354	368	364
Nonagricultural industries	7,135	7,097	7,029	7,019	7,010	7,008	6,963	7,014	6,951	6,547	6,715	6,697	6,722
Unemployed	1,635	1,697	1,694	1,610	1,744	1,762	1,734	1,763	1,787	1,628	1,559	1,635	1,692
Unemployment rate	17.8	18.5	18.6	17.8	19.0	19.3	19.1	19.5	19.5	19.0	18.1	18.8	19.3
Not in labor force	7,017	6,988	7,028	7,087	6,911	6,893	6,954	6,763	6,802	7,386	7,285	7,169	7,053

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	1980				1981								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
FULL TIME													
Total, 16 years and over:													
Civilian labor force	89,862	89,896	90,043	90,040	90,393	90,239	90,556	90,938	91,763	90,448	91,019	90,612	90,834
Employed	83,346	83,337	83,411	83,491	83,933	83,844	84,149	84,645	85,073	84,126	84,918	84,510	84,328
Unemployed	6,516	6,559	6,632	6,549	6,460	6,396	6,407	6,293	6,690	6,322	6,101	6,102	6,506
Unemployment rate	7.3	7.3	7.4	7.3	7.1	7.1	7.1	6.9	7.3	7.0	6.7	6.7	7.2
PART TIME													
Total, 16 years and over:													
Civilian labor force	15,105	15,284	15,250	15,023	15,166	15,410	15,504	15,805	15,693	15,780	15,446	15,925	15,334
Employed	13,794	13,893	13,938	13,798	13,775	14,005	14,108	14,376	14,171	14,325	14,008	14,376	13,867
Unemployed	1,311	1,391	1,312	1,225	1,390	1,405	1,396	1,429	1,522	1,455	1,439	1,549	1,467
Unemployment rate	8.7	9.1	8.6	8.2	9.2	9.1	9.0	9.0	9.7	9.2	9.3	9.7	9.6

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	1980				1981								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
WHITE													
Total, 16 years and over:													
Civilian labor force	92,317	92,516	92,562	92,383	92,832	93,035	93,313	93,860	94,506	93,464	93,767	93,789	93,355
Employed	86,307	86,371	86,409	86,377	86,620	86,940	87,291	87,791	88,083	87,500	87,979	88,046	87,329
Unemployed	6,010	6,145	6,153	6,006	6,213	6,095	6,022	6,069	6,422	5,964	5,787	5,743	6,026
Unemployment rate	6.5	6.6	6.6	6.5	6.7	6.6	6.5	6.5	6.8	6.4	6.2	6.1	6.5
Males, 20 years and over:													
Civilian labor force	49,415	49,461	49,481	49,449	49,426	49,420	49,695	49,947	50,227	49,878	49,952	49,898	49,888
Employed	46,556	46,660	46,684	46,728	46,704	46,757	47,030	47,330	47,427	47,217	47,501	47,338	47,231
Unemployed	2,859	2,801	2,797	2,721	2,722	2,664	2,664	2,618	2,799	2,661	2,451	2,561	2,658
Unemployment rate	5.8	5.7	5.7	5.5	5.5	5.4	5.4	5.2	5.6	5.3	4.9	5.1	5.3
Females, 20 years and over:													
Civilian labor force	34,765	34,883	34,972	34,910	35,313	35,423	35,529	35,727	36,149	35,980	36,106	36,047	35,643
Employed	32,841	32,845	32,944	32,858	33,180	33,421	33,539	33,679	33,987	33,935	34,011	34,087	33,603
Unemployed	1,924	2,038	2,028	2,052	2,133	2,002	1,990	2,048	2,162	2,045	2,095	1,960	2,040
Unemployment rate	5.5	5.8	5.8	5.9	6.0	5.7	5.6	5.7	6.0	5.7	5.8	5.4	5.7
Both sexes, 16 to 19 years:													
Civilian labor force	8,137	8,172	8,109	8,024	8,093	8,191	8,089	8,186	8,130	7,606	7,709	7,843	7,823
Employed	6,910	6,866	6,781	6,791	6,735	6,762	6,721	6,782	6,669	6,348	6,467	6,621	6,495
Unemployed	1,227	1,306	1,328	1,233	1,358	1,429	1,368	1,404	1,461	1,258	1,242	1,222	1,328
Unemployment rate	15.1	16.0	16.4	15.4	16.8	17.4	16.9	17.2	18.0	16.5	16.1	15.6	17.0
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	12,677	12,686	12,706	12,668	12,684	12,598	12,765	12,899	12,895	12,741	12,658	12,793	12,872
Employed	10,894	10,884	10,922	10,895	11,051	10,942	11,020	11,193	11,138	10,928	10,939	10,877	10,924
Unemployed	1,783	1,802	1,784	1,773	1,634	1,655	1,745	1,706	1,757	1,813	1,719	1,916	1,948
Unemployment rate	14.1	14.2	14.0	14.0	12.9	13.1	13.7	13.2	13.6	14.2	13.6	15.0	15.1
Males, 20 years and over:													
Civilian labor force	6,064	6,030	6,042	6,015	5,996	6,007	6,072	6,081	6,153	6,046	6,028	6,136	6,170
Employed	5,266	5,300	5,315	5,315	5,367	5,355	5,414	5,437	5,425	5,288	5,326	5,373	5,366
Unemployed	798	730	727	700	628	651	658	644	727	758	702	763	804
Unemployment rate	13.2	12.1	12.0	11.6	10.5	10.8	10.8	10.6	11.8	12.5	11.6	12.4	13.0
Females, 20 years and over:													
Civilian labor force	5,568	5,648	5,652	5,654	5,638	5,645	5,708	5,764	5,724	5,759	5,729	5,751	5,767
Employed	4,978	4,953	4,965	4,956	5,016	4,976	4,988	5,083	5,036	5,065	5,040	5,012	4,974
Unemployed	590	695	687	698	621	669	720	681	688	694	689	739	793
Unemployment rate	10.6	12.3	12.2	12.3	11.0	11.9	12.6	11.8	12.0	12.0	12.0	12.8	13.7
Both sexes, 16 to 19 years:													
Civilian labor force	1,045	1,008	1,012	999	1,051	946	985	1,054	1,018	936	901	906	935
Employed	650	631	642	624	667	611	618	673	676	575	573	492	584
Unemployed	395	377	370	375	384	335	367	381	342	361	328	414	351
Unemployment rate	37.8	37.4	36.6	37.5	36.5	35.4	37.3	36.1	33.6	38.6	36.4	45.7	37.5

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Category	1980				1981								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
CHARACTERISTIC													
Total (all civilian workers)	7.4	7.6	7.5	7.4	7.4	7.3	7.3	7.3	7.6	7.3	7.0	7.2	7.5
Males, 20 years and over	6.6	6.4	6.4	6.2	6.0	6.0	5.9	5.8	6.3	6.1	5.6	5.9	6.2
Females, 20 years and over	6.2	6.7	6.7	6.8	6.7	6.5	6.6	6.6	6.8	6.5	6.7	6.5	6.8
Both sexes, 16-19 years	17.8	18.5	18.6	17.8	19.0	19.3	19.1	19.1	19.5	19.0	18.1	18.8	19.3
White	6.5	6.6	6.6	6.5	6.7	6.6	6.5	6.5	6.8	6.4	6.2	6.1	6.5
Black and other	14.1	14.2	14.0	14.0	12.9	13.1	13.7	13.2	13.6	14.2	13.6	15.0	15.1
Married men, spouse present	4.7	4.6	4.4	4.3	4.2	4.1	4.1	3.8	4.1	4.2	3.9	3.9	4.3
Married women, spouse present	5.7	6.0	5.9	5.8	6.2	5.8	6.0	5.9	5.9	5.6	5.6	5.3	5.9
Women who maintain families	9.0	10.2	9.9	10.4	10.5	9.6	9.4	9.8	10.3	10.6	11.5	9.8	10.6
Full-time workers	7.3	7.3	7.4	7.3	7.1	7.1	7.1	6.9	7.3	7.0	6.7	6.7	7.2
Part-time workers	8.7	9.1	8.6	8.2	9.2	9.1	9.0	9.0	9.7	9.2	9.3	9.7	9.6
Unemployed 15 weeks and over ¹	2.2	2.2	2.2	2.3	2.2	2.1	2.1	2.0	2.0	2.2	2.0	2.1	2.1
Labor force time lost ²	8.2	8.4	8.3	8.2	8.2	8.1	8.1	8.2	8.6	8.0	7.9	7.9	8.5
OCCUPATION													
White-collar workers	3.8	3.9	3.9	4.0	3.9	3.7	3.9	4.0	4.1	3.8	4.1	3.9	4.1
Professional and technical	2.5	2.6	2.5	2.6	2.8	2.6	2.7	3.2	2.9	2.8	2.8	2.4	2.8
Managers and administrators, except farm	2.4	2.5	2.4	2.5	2.4	2.4	2.6	2.4	2.7	2.8	2.7	2.8	2.7
Sales workers	4.3	4.6	4.8	4.7	4.4	4.0	3.8	4.0	4.6	4.1	5.1	4.7	5.2
Clerical workers	5.4	5.6	5.6	5.8	5.7	5.3	5.9	5.6	5.6	5.3	5.7	5.6	5.7
Blue-collar workers	10.8	10.8	10.7	10.5	10.2	10.1	9.8	9.6	10.0	9.8	9.4	9.3	10.2
Craft and kindred workers	7.4	7.1	7.1	7.1	6.8	7.2	7.1	6.8	7.7	7.2	6.7	6.9	7.6
Operatives, except transport	13.0	13.2	13.0	12.9	12.1	11.9	11.3	11.5	11.9	11.0	11.1	11.0	11.5
Transport equipment operatives	10.4	10.6	10.6	8.8	9.1	8.3	9.3	8.1	8.2	8.4	6.9	7.9	8.9
Nonfarm laborers	15.2	15.3	15.0	14.8	15.0	14.9	14.1	13.8	13.1	14.8	14.2	12.9	14.4
Service workers	8.1	8.3	8.3	7.8	8.0	8.7	8.1	8.5	9.4	9.0	8.0	8.9	8.9
Farm workers	4.3	4.4	4.0	4.0	5.0	4.7	5.1	3.7	5.4	6.0	4.5	5.6	3.7
INDUSTRY													
Nonagricultural private wage and salary workers ¹	7.8	7.8	7.8	7.7	7.5	7.5	7.3	7.2	7.8	7.4	7.2	7.2	7.6
Construction	15.9	14.6	14.8	13.8	13.3	13.2	14.7	14.4	16.3	16.6	15.0	16.7	16.3
Manufacturing	9.2	9.2	8.9	8.8	8.4	8.4	8.0	7.4	7.9	7.6	7.3	7.0	7.8
Durable goods	10.0	9.5	9.0	9.0	8.3	8.5	7.9	7.3	7.3	7.4	7.3	6.4	7.6
Non-durable goods	7.9	8.9	8.6	8.5	8.5	8.2	8.3	7.6	8.9	7.8	7.3	7.9	8.0
Transportation	5.3	5.3	4.9	4.9	5.8	5.5	6.4	5.7	5.9	4.7	4.0	4.8	4.0
Wholesale and retail trade	7.7	7.8	8.2	8.3	7.6	7.6	7.3	7.3	8.4	7.5	7.9	7.8	8.6
Finance and service industries	5.4	5.6	5.5	5.5	5.8	6.0	5.6	5.9	5.9	5.8	5.6	5.6	5.9
Government workers	4.1	4.4	4.2	4.1	4.4	4.3	4.6	4.9	4.8	4.5	4.5	4.4	4.6
Agricultural wage and salary workers	10.7	11.1	10.1	10.6	11.5	12.1	11.9	9.1	11.1	13.1	10.3	12.6	10.6

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	1980				1981								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
DURATION													
Less than 5 weeks	3,042	3,186	3,108	3,115	3,259	3,203	3,209	3,074	3,369	3,172	3,187	3,161	3,383
5 to 14 weeks	2,586	2,500	2,524	2,217	2,264	2,324	2,356	2,462	2,581	2,360	2,196	2,345	2,489
15 weeks and over	2,295	2,292	2,329	2,378	2,358	2,250	2,192	2,105	2,168	2,315	2,100	2,194	2,212
15 to 26 weeks	1,366	1,256	1,213	1,231	1,079	992	1,013	1,001	1,022	1,205	1,068	1,059	1,151
27 weeks and over	929	1,036	1,116	1,147	1,279	1,257	1,179	1,104	1,146	1,110	1,032	1,135	1,061
Average (mean) duration, in weeks	13.0	13.3	13.6	13.5	14.4	14.4	14.0	13.7	13.2	14.2	13.9	14.5	13.7
Median duration, in weeks	8.0	7.5	7.7	7.3	7.4	6.9	7.0	7.7	7.1	6.7	7.0	7.0	7.0
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	38.4	39.9	39.0	40.4	41.3	41.2	41.4	40.2	41.5	40.4	42.6	41.0	41.8
5 to 14 weeks	32.6	31.3	31.7	28.8	28.7	29.9	30.4	32.2	31.8	30.1	29.3	30.5	30.8
15 weeks and over	29.0	28.7	29.3	30.8	29.9	28.9	28.3	27.6	26.7	29.5	28.1	28.5	27.4
15 to 26 weeks	17.2	15.7	15.2	16.0	13.7	12.8	13.1	13.1	12.6	15.4	14.3	13.8	14.2
27 weeks and over	11.7	13.0	14.0	14.9	16.2	16.2	15.2	14.5	14.1	14.1	13.8	14.7	13.1

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

Sex and age	1980				1981								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over	7.4	7.6	7.5	7.4	7.4	7.3	7.3	7.3	7.6	7.3	7.0	7.2	7.5
16 to 19 years	17.8	18.5	18.6	17.8	19.0	19.3	19.1	19.1	19.5	19.0	18.1	18.8	19.3
16 to 17 years	20.1	20.9	21.4	19.9	21.0	21.4	21.3	22.0	21.6	22.6	19.3	20.5	21.2
18 to 19 years	16.0	16.7	16.5	16.4	17.5	17.9	17.7	17.2	18.2	17.3	17.7	17.4	18.1
20 to 24 years	12.0	12.3	12.1	11.7	11.9	11.8	11.7	12.1	12.9	12.1	11.3	11.8	12.1
25 years and over	5.4	5.4	5.4	5.3	5.3	5.1	5.2	5.0	5.3	5.2	5.1	5.1	5.4
25 to 54 years	5.9	5.9	5.9	5.8	5.7	5.5	5.5	5.4	5.6	5.6	5.4	5.4	5.8
55 years and over	3.4	3.4	3.3	3.5	3.5	3.6	3.7	3.3	3.3	3.4	3.5	3.5	3.8
Males, 16 years and over	7.6	7.4	7.4	7.2	7.2	7.1	7.0	6.9	7.4	7.1	6.6	7.0	7.2
16 to 19 years	18.9	19.8	19.8	19.0	20.3	20.1	19.5	19.3	20.2	19.8	18.4	19.7	19.3
16 to 17 years	21.2	21.8	22.3	20.5	23.0	22.1	21.1	22.7	22.7	24.4	19.8	21.5	21.2
18 to 19 years	16.9	18.1	17.8	17.8	18.5	18.7	18.6	17.0	18.3	18.1	17.8	18.1	18.1
20 to 24 years	13.5	13.8	13.2	12.5	12.8	12.7	13.0	13.2	14.2	12.8	11.3	12.7	12.9
25 years and over	5.4	5.1	5.1	4.9	4.9	4.8	4.7	4.6	4.8	5.0	4.7	4.8	5.0
25 to 54 years	6.0	5.6	5.6	5.4	5.2	5.2	5.1	4.9	5.1	5.3	4.9	5.0	5.5
55 years and over	3.5	3.3	3.3	3.3	3.4	3.4	3.2	3.1	3.4	3.5	3.4	3.4	3.5
Females, 16 years and over	7.2	7.7	7.7	7.7	7.7	7.6	7.7	7.7	7.9	7.6	7.7	7.5	7.9
16 to 19 years	16.6	17.0	17.2	16.5	17.5	18.4	18.7	18.9	18.7	18.2	17.7	17.8	19.3
16 to 17 years	18.8	19.8	20.3	19.3	18.7	20.5	21.6	21.1	20.4	20.6	18.7	19.5	21.1
18 to 19 years	15.1	15.1	15.1	14.8	16.4	17.0	16.5	17.4	18.2	16.4	17.5	16.8	18.1
20 to 24 years	10.2	10.6	10.8	10.8	10.8	10.8	10.1	10.9	11.4	11.2	11.3	10.8	11.2
25 years and over	5.4	5.9	5.8	5.9	5.8	5.6	5.9	5.6	5.9	5.6	5.7	5.5	5.9
25 to 54 years	5.9	6.4	6.2	6.3	6.3	5.9	6.2	6.0	6.4	6.0	6.1	5.9	6.3
55 years and over	3.3	3.4	3.4	3.9	3.6	3.9	4.5	3.7	3.3	3.3	3.7	3.6	4.4

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

(Numbers in thousands)

Reason for unemployment	1980				1981								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	4,387	4,240	4,229	4,226	3,847	3,896	3,846	3,819	4,084	4,219	3,691	3,929	4,338
On layoff	1,744	1,692	1,453	1,470	1,258	1,267	1,299	1,280	1,368	1,367	1,178	1,205	1,412
Other job losers	2,643	2,548	2,776	2,756	2,590	2,629	2,547	2,539	2,715	2,852	2,513	2,724	2,925
Job leavers	855	870	897	813	907	884	863	854	1,009	863	898	838	889
Reentrants	1,844	2,013	1,896	1,869	2,039	1,970	2,040	2,017	2,126	1,955	2,022	1,939	1,949
New entrants	862	880	890	868	1,000	928	986	987	938	956	873	944	953
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	55.2	53.0	53.5	54.3	49.4	50.7	49.7	49.7	50.1	52.8	49.3	51.4	53.4
On layoff	21.9	21.1	18.4	18.9	16.1	16.5	16.8	16.7	16.8	17.1	15.7	15.7	17.4
Other job losers	33.3	31.8	35.1	35.4	33.2	34.2	32.9	33.1	33.3	35.7	33.6	35.6	36.0
Job leavers	10.8	10.9	11.3	10.5	11.6	11.5	11.2	11.1	12.4	10.8	12.0	11.0	10.9
Reentrants	23.2	25.2	24.0	24.0	26.2	25.7	26.4	26.3	26.1	24.5	27.0	25.4	24.0
New entrants	10.8	11.0	11.2	11.2	12.8	12.1	12.7	12.9	11.5	12.0	11.7	12.3	11.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	4.2	4.0	4.0	4.0	3.6	3.7	3.6	3.6	3.8	4.0	3.5	3.7	4.1
Job leavers .....	.8	.8	.9	.8	.9	.8	.8	.8	.9	.8	.8	.8	.8
Reentrants	1.8	1.9	1.8	1.8	1.9	1.9	1.9	1.9	2.0	1.8	1.9	1.8	1.8
New entrants .....	.8	.8	.8	.8	.9	.9	.9	.9	.9	.9	.8	.9	.9

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[In thousands]

Sex and age	1980				1981								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over	97,180	97,206	97,339	97,282	97,696	97,927	98,412	98,976	99,235	98,392	98,962	98,944	98,270
16 to 19 years	7,553	7,489	7,423	7,417	7,414	7,384	7,334	7,465	7,372	6,930	7,069	7,065	7,086
16 to 17 years	3,403	2,963	2,916	2,906	2,937	2,927	2,908	2,964	2,893	2,616	2,746	2,766	2,791
18 to 19 years	4,598	4,535	4,525	4,506	4,467	4,441	4,411	4,487	4,464	4,281	4,287	4,315	4,329
20 to 24 years	13,543	13,594	13,593	13,633	13,725	13,661	13,684	13,711	13,704	13,576	13,815	13,743	13,615
25 years and over	76,096	76,150	76,231	76,242	76,611	76,847	77,367	77,735	78,151	77,980	78,120	78,090	77,546
25 to 54 years	61,845	61,916	62,110	62,142	62,482	62,676	63,019	63,423	63,701	63,611	63,803	63,882	63,461
55 years and over	14,263	14,216	14,159	14,095	14,108	14,186	14,314	14,360	14,447	14,319	14,312	14,242	14,090
Males, 16 years and over	55,754	55,881	55,897	55,920	56,012	56,045	56,383	56,688	56,718	56,026	56,494	56,368	56,349
16 to 19 years	3,931	3,918	3,890	3,875	3,921	3,912	3,872	3,937	3,869	3,575	3,684	3,643	3,742
16 to 17 years	1,579	1,588	1,564	1,555	1,562	1,581	1,545	1,551	1,500	1,354	1,443	1,441	1,515
18 to 19 years	2,396	2,339	2,330	2,317	2,347	2,323	2,321	2,373	2,367	2,203	2,226	2,219	2,260
20 to 24 years	7,175	7,174	7,190	7,245	7,253	7,223	7,239	7,238	7,239	7,179	7,392	7,293	7,260
25 years and over	44,649	44,803	44,791	44,806	44,862	44,896	45,266	45,464	45,563	45,309	45,425	45,448	45,323
25 to 54 years	35,977	36,076	36,128	36,131	36,204	36,206	36,488	36,707	36,840	36,676	36,773	36,851	36,788
55 years and over	8,691	8,677	8,670	8,682	8,645	8,693	8,758	8,780	8,760	8,634	8,661	8,592	8,554
Females, 16 years and over	41,426	41,325	41,442	41,362	41,684	41,882	42,029	42,288	42,517	42,366	42,467	42,577	41,920
16 to 19 years	3,622	3,571	3,533	3,542	3,493	3,472	3,462	3,528	3,503	3,355	3,385	3,421	3,344
16 to 17 years	1,424	1,375	1,352	1,351	1,375	1,346	1,363	1,413	1,393	1,262	1,303	1,325	1,276
18 to 19 years	2,202	2,196	2,195	2,189	2,120	2,118	2,090	2,114	2,097	2,078	2,061	2,096	2,069
20 to 24 years	6,368	6,420	6,403	6,388	6,472	6,438	6,444	6,473	6,464	6,397	6,424	6,450	6,355
25 years and over	31,447	31,347	31,440	31,436	31,749	31,950	32,101	32,271	32,588	32,671	32,695	32,642	32,223
25 to 54 years	25,868	25,840	25,982	26,011	26,278	26,471	26,532	26,715	26,861	26,934	27,030	27,032	26,673
55 years and over	5,572	5,539	5,489	5,413	5,463	5,493	5,556	5,580	5,687	5,686	5,651	5,650	5,536

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

[In thousands]

Sex and age	1980				1981								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Total, 16 years and over	7,800	7,961	7,946	7,785	7,847	7,754	7,764	7,746	8,171	7,784	7,502	7,657	7,966
16 to 19 years	1,635	1,697	1,694	1,610	1,744	1,762	1,734	1,763	1,787	1,628	1,559	1,635	1,692
16 to 17 years	755	781	794	723	783	796	789	834	798	766	656	715	749
18 to 19 years	878	909	893	881	949	967	946	929	995	894	919	912	954
20 to 24 years	1,843	1,913	1,873	1,809	1,845	1,831	1,810	1,890	2,032	1,866	1,759	1,844	1,877
25 years and over	4,344	4,368	4,342	4,302	4,269	4,171	4,233	4,101	4,343	4,313	4,203	4,160	4,418
25 to 54 years	3,905	3,885	3,874	3,835	3,766	3,647	3,683	3,587	3,810	3,768	3,642	3,640	3,906
55 years and over	507	494	489	512	507	528	552	496	499	505	523	512	561
Males, 16 years and over	4,566	4,498	4,491	4,334	4,353	4,293	4,245	4,205	4,527	4,309	3,979	4,216	4,349
16 to 19 years	914	966	959	909	1,001	981	940	943	981	884	832	895	894
16 to 17 years	425	442	450	400	466	449	414	455	440	438	356	395	407
18 to 19 years	487	518	504	501	533	534	532	485	529	486	481	489	498
20 to 24 years	1,117	1,150	1,095	1,032	1,061	1,052	1,085	1,097	1,198	1,056	940	1,063	1,074
25 years and over	2,557	2,398	2,406	2,324	2,306	2,283	2,235	2,175	2,312	2,383	2,220	2,270	2,395
25 to 54 years	2,292	2,121	2,149	2,073	1,992	1,977	1,942	1,874	1,962	2,039	1,898	1,959	2,126
55 years and over	319	300	293	292	306	303	293	280	306	313	306	300	308
Females, 16 years and over	3,234	3,463	3,455	3,451	3,493	3,461	3,519	3,541	3,644	3,475	3,524	3,441	3,617
16 to 19 years	721	731	735	701	743	781	794	820	806	744	727	740	798
16 to 17 years	330	339	344	323	317	347	375	379	358	328	300	320	342
18 to 19 years	391	391	389	380	416	433	414	444	466	408	438	423	456
20 to 24 years	726	763	778	777	785	779	726	793	833	810	818	781	803
25 years and over	1,787	1,970	1,936	1,978	1,962	1,887	1,998	1,926	2,031	1,930	1,983	1,890	2,023
25 to 54 years	1,613	1,764	1,725	1,762	1,774	1,670	1,741	1,712	1,849	1,730	1,744	1,681	1,780
55 years and over	188	194	196	220	201	225	259	216	193	191	217	212	253

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[In thousands]

Category	1980				1981								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
CHARACTERISTIC													
Total, 16 years and over	97,180	97,206	97,339	97,282	97,696	97,927	98,412	98,976	99,235	98,392	98,962	98,944	98,270
Married men, spouse present	38,027	38,142	38,167	38,231	38,182	38,113	38,365	38,510	38,498	38,216	38,283	38,315	38,169
Married women, spouse present	23,027	22,993	23,065	23,063	23,352	23,356	23,513	23,529	23,831	23,763	23,820	23,683	23,174
OCCUPATION													
White-collar workers	51,074	51,101	51,148	51,065	51,594	51,698	51,746	51,801	51,967	51,959	51,857	52,123	51,826
Professional and technical	15,540	15,780	15,863	15,810	15,965	15,813	15,827	15,754	15,688	16,057	15,966	16,299	16,254
Managers and administrators, except farm	11,007	10,979	11,016	11,009	11,363	11,488	11,565	11,444	11,260	11,174	11,418	11,217	11,341
Sales workers	6,316	6,277	6,155	6,175	6,265	6,271	6,220	6,145	6,461	6,440	6,220	6,369	6,295
Clerical workers	18,211	18,065	18,114	18,071	18,001	18,125	18,135	18,457	18,557	18,288	18,254	18,238	17,937
Blue-collar workers	30,436	30,521	30,550	30,373	30,338	30,446	30,594	31,156	31,373	30,922	31,038	31,113	30,637
Craft and kindred workers	12,490	12,485	12,424	12,337	12,306	12,386	12,605	12,624	12,743	12,482	12,575	12,508	12,202
Operatives, except transport	10,202	10,210	10,247	10,194	10,331	10,390	10,189	10,524	10,609	10,550	10,567	10,501	10,334
Transport equipment operatives	3,434	3,443	3,429	3,402	3,322	3,361	3,363	3,411	3,390	3,425	3,481	3,499	3,453
Nonfarm laborers	4,310	4,383	4,450	4,440	4,380	4,309	4,437	4,596	4,632	4,466	4,415	4,605	4,649
Service workers	12,943	12,891	12,888	12,982	12,946	13,070	13,279	13,255	13,213	12,930	13,284	13,002	13,093
Farm workers	2,757	2,735	2,729	2,804	2,737	2,662	2,679	2,834	2,707	2,648	2,689	2,732	2,717
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,417	1,363	1,417	1,411	1,465	1,336	1,338	1,524	1,464	1,377	1,457	1,472	1,416
Self-employed workers	1,688	1,640	1,612	1,655	1,615	1,610	1,615	1,648	1,644	1,657	1,568	1,629	1,649
Unpaid family workers	309	325	324	305	284	325	312	290	231	258	235	250	254
Nonagricultural industries:													
Wage and salary workers	86,395	86,587	86,643	86,513	87,125	87,236	87,870	88,195	88,877	87,734	88,291	88,189	87,457
Government	15,575	15,597	15,651	15,653	15,738	15,589	15,685	15,628	15,512	15,460	15,349	15,140	15,111
Private industries	70,820	70,990	70,992	70,860	71,387	71,647	72,185	72,567	73,365	72,274	72,942	73,048	72,346
Private households	1,125	1,144	1,148	1,110	1,197	1,176	1,235	1,241	1,164	1,146	1,211	1,236	1,052
Other industries	69,695	69,846	69,844	69,750	70,190	70,471	70,949	71,327	72,201	71,128	71,731	71,812	71,294
Self-employed workers	6,977	7,005	6,943	6,973	6,839	6,923	6,896	7,021	6,761	7,005	6,886	6,942	7,093
Unpaid family workers	416	417	405	396	422	371	354	306	338	369	389	378	392
PERSONS AT WORK¹													
Nonagricultural industries	88,246	88,488	88,694	88,468	89,499	89,441	89,583	89,202	89,870	89,625	90,837	89,823	88,886
Full-time schedules	71,929	72,071	72,265	72,131	72,807	72,945	72,875	72,761	73,375	73,115	74,232	72,932	72,192
Part-time for economic reasons	4,183	4,220	4,176	4,218	4,474	4,145	4,227	4,044	4,143	3,798	4,225	4,187	4,537
Usually work full-time	1,701	1,685	1,620	1,647	1,698	1,622	1,638	1,517	1,630	1,367	1,632	1,654	1,675
Usually work part-time	2,482	2,535	2,556	2,571	2,776	2,523	2,589	2,527	2,513	2,431	2,593	2,533	2,862
Part time for noneconomic reasons	12,134	12,197	12,253	12,119	12,218	12,351	12,481	12,397	12,352	12,713	12,380	12,704	12,157

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

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. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981	Sept. 1980	Sept. 1981
VETERANS										
Total, 25 years and over	8,340	8,598	7,939	8,179	7,514	7,788	425	391	5.4	4.8
25 to 39 years	7,305	7,316	7,030	7,048	6,630	6,706	400	342	5.7	4.9
25 to 29 years	1,660	1,440	1,555	1,338	1,401	1,248	154	90	9.9	6.7
30 to 34 years	3,562	3,259	3,453	3,161	3,296	3,019	157	142	4.5	4.5
35 to 39 years	2,083	2,617	2,022	2,549	1,933	2,439	89	110	4.4	4.3
40 years and over	1,035	1,282	909	1,131	884	1,082	25	49	2.8	4.3
NONVETERANS										
Total, 25 to 39 years	15,658	16,531	14,926	15,653	13,984	14,777	942	876	6.3	5.6
25 to 29 years	7,171	7,459	6,803	7,049	6,264	6,594	539	455	7.9	6.5
30 to 34 years	4,691	5,351	4,500	5,090	4,249	4,808	251	282	5.6	5.5
35 to 39 years	3,796	3,721	3,623	3,514	3,471	3,375	152	139	4.2	4.0

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. Data for 20-to-24-year-old veterans are no longer shown on the table, because the group is rapidly disappearing (into the 25-29 age category) and the numbers remaining are not large enough to warrant their continued publication.

**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	1978		1979				1980				1981		
	II ¹	IV	I	II	III	IV	I	II	III	IV	I	II	III
TOTAL													
Total noninstitutional population ¹	161,355	162,037	162,663	163,260	163,894	164,682	165,302	165,895	166,586	167,201	167,745	168,274	168,863
Armed Forces ¹	2,120	2,115	2,093	2,079	2,088	2,091	2,086	2,091	2,111	2,121	2,124	2,129	2,155
Civilian noninstitutional population ¹	159,235	159,922	160,570	161,181	161,806	162,591	163,216	163,804	164,475	165,079	165,620	166,145	166,708
Civilian labor force.....	100,753	101,526	102,328	102,378	103,204	103,741	104,217	104,693	104,982	105,173	105,800	106,768	106,434
Percent of civilian population.....	63.3	63.5	63.7	63.5	63.8	63.8	63.9	63.9	63.8	63.7	63.9	64.3	63.8
Employed.....	94,774	95,581	96,359	96,574	97,282	97,572	97,718	97,040	97,061	97,276	98,012	98,868	98,725
Percent of total population.....	58.7	59.0	59.2	59.2	59.4	59.2	59.1	58.5	58.3	58.2	58.4	58.8	58.5
Agriculture.....	3,369	3,316	3,297	3,245	3,319	3,327	3,318	3,282	3,292	3,351	3,320	3,360	3,313
Nonagricultural industries.....	91,405	92,265	93,062	93,329	93,963	94,245	94,400	93,758	93,769	93,925	94,692	95,507	95,412
Unemployed.....	5,979	5,945	5,969	5,804	5,922	6,169	6,499	7,652	7,921	7,897	7,788	7,900	7,709
Unemployment rate.....	5.9	5.9	5.8	5.7	5.7	5.9	6.2	7.3	7.5	7.5	7.4	7.4	7.2
Males, 20 years and over													
Total noninstitutional population ¹	68,831	69,184	69,491	69,786	70,100	70,487	70,794	71,087	71,433	71,768	72,068	72,361	72,690
Civilian noninstitutional population ¹	67,134	67,489	67,827	68,123	68,419	68,814	69,142	69,430	69,762	70,093	70,405	70,683	70,986
Civilian labor force.....	53,467	53,877	54,274	54,306	54,640	54,744	54,958	55,250	55,407	55,501	55,568	56,095	56,022
Percent of civilian population.....	74.6	79.8	80.0	79.7	79.9	79.6	79.5	79.6	79.4	79.2	78.9	79.4	78.9
Employed.....	51,327	51,682	52,082	52,191	52,426	52,360	52,310	51,810	51,776	52,005	52,245	52,683	52,714
Percent of total population.....	74.6	74.7	74.9	74.8	74.8	74.3	73.9	72.9	72.5	72.5	72.5	72.8	72.5
Agriculture.....	2,387	2,339	2,325	2,311	2,368	2,392	2,402	2,337	2,332	2,351	2,321	2,359	2,358
Nonagricultural industries.....	48,940	49,344	49,756	49,880	50,058	49,967	49,908	49,473	49,444	49,654	49,924	50,324	50,356
Unemployed.....	2,140	2,194	2,192	2,115	2,215	2,384	2,649	3,440	3,631	3,496	3,323	3,411	3,308
Unemployment rate.....	4.0	4.1	4.0	3.9	4.1	4.4	4.8	6.2	6.6	6.3	6.0	6.1	5.9
Females, 20 years and over													
Total noninstitutional population ¹	75,756	76,112	76,455	76,782	77,129	77,547	77,891	78,223	78,611	78,979	79,314	79,644	80,003
Civilian noninstitutional population ¹	75,649	76,003	76,345	76,670	77,009	77,425	77,766	78,094	78,477	78,841	79,172	79,497	79,851
Civilian labor force.....	37,634	38,051	38,415	38,557	39,158	39,503	39,856	40,158	40,408	40,562	41,108	41,692	41,710
Percent of civilian population.....	49.7	50.1	50.3	50.8	50.8	51.0	51.3	51.4	51.5	51.4	51.9	52.4	52.2
Employed.....	35,346	35,866	36,181	36,390	36,957	37,260	37,549	37,603	37,807	37,828	38,389	38,929	38,938
Percent of total population.....	46.7	47.1	47.3	47.4	47.9	48.0	48.2	48.1	48.1	47.9	48.4	48.9	48.7
Unemployed.....	2,288	2,185	2,234	2,167	2,202	2,243	2,307	2,554	2,600	2,734	2,719	2,763	2,772
Unemployment rate.....	6.1	5.7	5.8	5.6	5.6	5.7	5.8	6.4	6.4	6.7	6.6	6.6	6.6
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,768	16,742	16,717	16,692	16,666	16,648	16,616	16,585	16,542	16,454	16,362	16,270	16,169
Civilian noninstitutional population ¹	16,452	16,429	16,398	16,389	16,377	16,352	16,308	16,281	16,236	16,144	16,043	15,965	15,871
Civilian labor force.....	9,651	9,598	9,639	9,515	9,405	9,494	9,402	9,285	9,167	9,110	9,124	8,982	8,702
Percent of civilian population.....	58.7	58.4	58.8	58.1	57.4	58.1	57.7	57.0	56.5	56.4	56.9	56.3	54.8
Employed.....	8,100	8,032	8,096	7,993	7,900	7,952	7,859	7,627	7,477	7,443	7,377	7,256	7,073
Percent of total population.....	48.3	48.0	48.4	47.9	47.4	47.8	47.3	46.0	45.2	45.2	45.1	44.6	43.7
Unemployed.....	1,551	1,566	1,543	1,522	1,506	1,542	1,544	1,658	1,689	1,667	1,747	1,726	1,629
Unemployment rate.....	16.1	16.3	16.0	16.0	16.0	16.2	16.4	17.9	18.4	18.3	19.1	19.2	18.7
White													
Total noninstitutional population ¹	141,526	142,034	142,521	142,977	143,462	144,102	144,574	145,022	145,535	145,995	146,401	146,795	147,237
Civilian noninstitutional population ¹	139,822	140,336	140,857	141,330	141,821	142,468	142,957	143,408	143,907	144,357	144,769	145,161	145,585
Civilian labor force.....	88,743	89,437	90,119	90,129	90,839	91,346	91,819	92,226	92,313	92,487	93,060	93,943	93,637
Percent of civilian population.....	63.5	63.7	64.0	63.8	64.1	64.1	64.2	64.3	64.1	64.1	64.3	64.7	64.3
Employed.....	84,169	84,895	85,552	85,715	86,254	86,591	86,784	86,216	86,150	86,386	86,950	87,791	87,785
Percent of total population.....	59.5	59.8	60.0	60.0	60.1	60.1	60.0	59.5	59.2	59.2	59.4	59.8	59.6
Unemployed.....	4,574	4,542	4,566	4,413	4,585	4,755	5,035	6,011	6,164	6,101	6,110	6,152	5,852
Unemployment rate.....	5.2	5.1	5.1	4.9	5.0	5.2	5.5	6.5	6.7	6.6	6.6	6.5	6.2
Black and other													
Total noninstitutional population ¹	19,829	20,003	20,142	20,282	20,432	20,581	20,728	20,872	21,051	21,206	21,344	21,480	21,626
Civilian noninstitutional population ¹	19,413	19,585	19,713	19,851	19,985	20,123	20,259	20,397	20,568	20,723	20,851	20,985	21,124
Civilian labor force.....	12,012	12,107	12,193	12,258	12,346	12,412	12,389	12,479	12,656	12,687	12,682	12,845	12,774
Percent of civilian population.....	61.9	61.8	61.9	61.7	61.8	61.7	61.2	61.2	61.5	61.2	60.8	61.2	60.5
Employed.....	10,603	10,711	10,788	10,863	11,009	11,008	10,925	10,830	10,899	10,900	11,004	11,086	10,914
Percent of total population.....	53.5	53.5	53.6	53.6	53.9	53.5	52.7	51.9	51.8	51.4	51.6	51.6	50.5
Unemployed.....	1,409	1,396	1,405	1,395	1,336	1,404	1,464	1,650	1,757	1,786	1,678	1,759	1,861
Unemployment rate.....	11.7	11.5	11.5	11.4	10.8	11.3	11.8	13.2	13.9	14.1	13.2	13.7	14.6

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	1978		1979				1980				1981		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
FULL TIME													
Total, 16 years and over:													
Civilian labor force	85,976	86,395	87,207	87,463	87,866	88,432	88,675	89,354	89,530	89,993	90,396	91,050	90,822
Employed ¹	81,321	81,837	82,585	82,965	83,261	83,595	83,506	83,073	82,964	83,413	83,975	84,614	84,585
Unemployed	4,655	4,558	4,622	4,498	4,605	4,837	5,170	6,280	6,567	6,580	6,421	6,435	6,236
Unemployment rate	5.4	5.3	5.3	5.1	5.2	5.5	5.8	7.0	7.3	7.3	7.1	7.1	6.9
Males, 20 years and over:													
Civilian labor force	50,752	51,163	51,610	51,709	51,844	51,959	52,035	52,436	52,635	52,757	52,716	53,313	53,153
Employed ¹	48,788	49,156	49,585	49,762	49,814	49,749	49,564	49,202	49,178	49,433	49,562	50,112	50,094
Unemployed	1,963	2,007	2,025	1,946	2,030	2,210	2,471	3,234	3,457	3,325	3,154	3,201	3,059
Unemployment rate	3.9	3.9	3.9	3.8	3.9	4.3	4.7	6.2	6.6	6.3	6.0	6.0	5.8
Females, 20 years and over:													
Civilian labor force	29,822	30,101	30,386	30,597	30,931	31,297	31,560	31,955	32,084	32,357	32,833	33,070	33,116
Employed ¹	28,003	28,414	28,634	28,868	29,203	29,541	29,744	29,876	29,955	30,070	30,550	30,818	30,880
Unemployed	1,820	1,687	1,753	1,728	1,728	1,756	1,816	2,079	2,129	2,287	2,283	2,252	2,236
Unemployment rate	6.1	5.6	5.8	5.6	5.6	5.6	5.8	6.5	6.6	7.1	7.0	6.8	6.8
Both sexes, 16-19 years:													
Civilian labor force	5,402	5,131	5,212	5,158	5,091	5,176	5,081	4,962	4,812	4,878	4,864	4,666	4,536
Employed ¹	4,530	4,267	4,367	4,335	4,244	4,305	4,198	3,995	3,831	3,910	3,863	3,684	3,612
Unemployed	872	864	845	823	847	871	883	967	980	968	1,000	982	925
Unemployment rate	16.1	16.8	16.2	16.0	16.6	16.8	17.4	19.5	20.4	19.9	20.6	21.0	20.4
PART TIME													
Total, 16 years and over:													
Civilian labor force	14,757	15,100	15,093	14,964	15,333	15,297	15,518	15,388	15,460	15,186	15,360	15,759	15,568
Employed ¹	13,430	13,738	13,736	13,648	14,013	13,989	14,175	14,020	14,115	13,876	13,963	14,291	14,083
Unemployed	1,327	1,362	1,357	1,316	1,320	1,308	1,343	1,367	1,345	1,309	1,397	1,469	1,485
Unemployment rate	9.0	9.0	9.0	8.8	8.6	8.6	8.7	8.9	8.7	8.6	9.1	9.3	9.5
Males, 20 years and over:													
Civilian labor force	2,690	2,716	2,649	2,646	2,770	2,785	2,894	2,845	2,750	2,752	2,831	2,802	2,843
Employed ¹	2,505	2,535	2,481	2,476	2,580	2,617	2,709	2,651	2,576	2,582	2,632	2,603	2,607
Unemployed	185	181	168	170	190	168	185	194	174	170	200	199	236
Unemployment rate	6.9	6.7	6.3	6.4	6.8	6.0	6.4	6.8	6.3	6.2	7.1	7.1	8.3
Females, 20 years and over:													
Civilian labor force	7,801	7,931	8,039	7,979	8,220	8,191	8,317	8,215	8,293	8,197	8,284	8,648	8,554
Employed ¹	7,341	7,449	7,549	7,530	7,754	7,714	7,818	7,734	7,838	7,748	7,831	8,126	8,022
Unemployed	460	482	490	449	466	477	499	481	455	449	452	522	531
Unemployment rate	5.9	6.1	6.1	5.6	5.7	5.8	6.0	5.9	5.5	5.5	5.5	6.0	6.2
Both sexes, 16-19 years:													
Civilian labor force	4,267	4,452	4,405	4,339	4,343	4,321	4,307	4,328	4,417	4,236	4,245	4,309	4,171
Employed ¹	3,584	3,754	3,706	3,642	3,679	3,657	3,648	3,636	3,701	3,546	3,500	3,562	3,454
Unemployed	682	699	699	697	664	664	659	692	716	690	745	747	717
Unemployment rate	16.0	15.7	15.9	16.1	15.3	15.4	15.3	16.0	16.2	16.3	17.6	17.3	17.2

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	1978		1979				1980				1981		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
WHITE													
Total, 16 years and over:													
Civilian labor force	88,743	89,437	90,119	90,129	90,839	91,346	91,819	92,226	92,313	92,487	93,060	93,943	93,637
Employed	84,169	84,895	85,552	85,715	86,254	86,591	86,784	86,216	86,150	86,386	86,950	87,791	87,785
Unemployed	4,574	4,542	4,566	4,413	4,585	4,755	5,035	6,011	6,164	6,101	6,110	6,152	5,852
Unemployment rate	5.2	5.1	5.1	4.9	5.0	5.2	5.5	6.5	6.7	6.6	6.6	6.5	6.2
Males, 20 years and over:													
Civilian labor force	47,757	48,066	48,422	48,446	48,686	48,801	49,021	49,314	49,364	49,464	49,514	50,017	49,913
Employed	46,082	46,362	46,727	46,818	46,941	46,940	46,931	46,573	46,499	46,691	46,830	47,325	47,357
Unemployed	1,675	1,703	1,695	1,627	1,745	1,861	2,090	2,741	2,865	2,773	2,683	2,692	2,556
Unemployment rate	3.5	3.5	3.5	3.4	3.6	3.8	4.3	5.6	5.8	5.6	5.4	5.4	5.1
Females, 20 years and over:													
Civilian labor force	32,390	32,834	33,118	33,235	33,759	34,066	34,407	34,635	34,787	34,922	35,422	35,952	35,932
Employed	30,666	31,189	31,440	31,602	32,101	32,363	32,648	32,690	32,799	32,882	33,380	33,867	33,900
Unemployed	1,724	1,645	1,678	1,633	1,658	1,703	1,758	1,945	1,988	2,039	2,042	2,085	2,032
Unemployment rate	5.3	5.0	5.1	4.9	4.9	5.0	5.1	5.6	5.7	5.8	5.8	5.8	5.7
Both sexes, 16 to 19 years:													
Civilian labor force	8,596	8,537	8,579	8,448	8,394	8,480	8,392	8,277	8,163	8,102	8,124	7,974	7,792
Employed	7,421	7,344	7,386	7,295	7,212	7,289	7,204	6,952	6,852	6,813	6,739	6,600	6,528
Unemployed	1,175	1,193	1,193	1,153	1,182	1,191	1,187	1,325	1,311	1,289	1,385	1,374	1,264
Unemployment rate	13.7	14.0	13.9	13.6	14.1	14.0	14.1	16.0	16.1	15.9	17.0	17.2	16.2
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	12,012	12,107	12,193	12,258	12,346	12,412	12,389	12,479	12,656	12,687	12,682	12,845	12,774
Employed	10,603	10,711	10,788	10,863	11,009	11,008	10,925	10,830	10,899	10,900	11,004	11,086	10,914
Unemployed	1,409	1,396	1,405	1,395	1,336	1,404	1,464	1,650	1,757	1,786	1,678	1,759	1,861
Unemployment rate	11.7	11.5	11.5	11.4	10.8	11.3	11.8	13.2	13.9	14.1	13.2	13.7	14.6
Males, 20 years and over:													
Civilian labor force	5,717	5,806	5,839	5,878	5,956	5,934	5,922	5,948	6,047	6,029	6,025	6,093	6,111
Employed	5,243	5,319	5,338	5,397	5,481	5,415	5,357	5,258	5,277	5,310	5,379	5,383	5,355
Unemployed	474	487	501	482	475	519	565	689	770	719	646	710	756
Unemployment rate	8.3	8.4	8.6	8.2	8.0	8.8	9.5	11.6	12.7	11.9	10.7	11.7	12.4
Females, 20 years and over:													
Civilian labor force	5,226	5,237	5,289	5,329	5,382	5,455	5,448	5,529	5,599	5,651	5,663	5,749	5,749
Employed	4,667	4,700	4,736	4,786	4,840	4,918	4,906	4,910	4,987	4,958	4,993	5,062	5,009
Unemployed	559	537	553	543	542	538	542	620	612	693	670	687	740
Unemployment rate	10.7	10.3	10.4	10.2	10.1	9.9	10.0	11.2	10.9	12.3	11.8	12.0	12.9
Both sexes, 16 to 19 years:													
Civilian labor force	1,069	1,064	1,065	1,051	1,008	1,022	1,019	1,002	1,010	1,006	994	1,003	914
Employed	693	693	714	680	688	675	662	662	635	632	632	641	550
Unemployed	376	371	351	371	320	347	357	341	375	374	362	361	364
Unemployment rate	35.2	34.9	33.0	35.3	31.8	33.9	35.0	34.0	37.1	37.2	36.4	36.0	39.9

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-47. Major unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1978		1979				1980				1981		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
CHARACTERISTIC													
Total (all civilian workers)	5.9	5.9	5.8	5.7	5.7	5.9	6.2	7.3	7.5	7.5	7.4	7.4	7.2
Males, 20 years and over	4.0	4.1	4.0	3.9	4.1	4.4	4.8	6.2	6.6	6.3	6.0	6.1	5.9
Females, 20 years and over	6.1	5.7	5.8	5.6	5.6	5.7	5.8	6.4	6.4	6.7	6.6	6.6	6.6
Both sexes, 16-19 years	16.1	16.3	16.0	16.0	16.0	16.2	16.4	17.9	18.4	18.3	19.1	19.2	18.7
White	5.2	5.1	5.1	4.9	5.0	5.2	5.5	6.5	6.7	6.6	6.6	6.5	6.2
Black and other	11.7	11.5	11.5	11.4	10.8	11.3	11.8	13.2	13.9	14.1	13.2	13.7	14.6
Married men, spouse present	2.6	2.6	2.7	2.6	2.8	3.0	3.4	4.4	4.8	4.4	4.1	4.0	4.0
Married women, spouse present	5.6	5.4	5.3	5.1	5.0	5.0	5.4	5.9	5.9	5.9	6.0	5.8	5.6
Women who maintain families	8.7	7.8	8.1	8.5	8.0	8.4	8.7	8.6	8.9	10.2	9.9	10.2	10.6
Full-time workers	5.4	5.3	5.3	5.1	5.2	5.5	5.8	7.0	7.3	7.3	7.1	7.1	6.9
Part-time workers	9.0	9.0	9.0	8.8	8.6	8.6	8.7	8.9	8.7	8.6	9.1	9.3	9.5
Unemployed 15 weeks and over ¹	1.3	1.2	1.2	1.2	1.1	1.2	1.3	1.6	2.0	2.2	2.1	2.1	2.0
Labor force time lost ²	6.5	6.3	6.3	6.3	6.3	6.4	6.7	8.1	8.3	8.3	8.1	8.3	8.1
OCCUPATION													
White-collar workers	3.6	3.3	3.4	3.3	3.4	3.3	3.4	3.7	3.8	3.9	3.9	4.0	4.0
Professional and technical	2.6	2.7	2.4	2.3	2.5	2.4	2.3	2.5	2.4	2.6	2.7	3.0	2.6
Managers and administrators, except farm	2.1	2.0	2.0	2.1	2.2	2.1	2.2	2.5	2.5	2.5	2.5	2.6	2.7
Sales workers	4.3	3.8	4.0	4.0	3.9	3.9	4.2	4.4	4.3	4.7	4.1	4.2	5.0
Clerical workers	5.0	4.5	4.8	4.5	4.6	4.6	4.8	5.2	5.4	5.6	5.6	5.5	5.7
Blue-collar workers	6.6	6.7	6.7	6.6	6.9	7.5	8.1	10.5	11.1	10.7	10.0	9.8	9.6
Craft and kindred workers	4.3	4.6	4.6	4.1	4.3	4.8	5.2	7.2	7.4	7.1	7.0	7.2	7.0
Operatives, except transport	8.1	7.7	7.9	8.1	8.6	9.2	9.6	12.9	13.6	13.0	11.8	11.5	11.2
Transport equipment operatives	5.2	5.1	5.2	5.4	5.6	5.6	6.9	9.0	10.1	10.0	8.9	8.2	7.9
Nonfarm laborers	10.1	11.0	10.1	10.6	10.8	11.8	12.8	14.9	15.7	15.0	14.7	13.9	13.8
Service workers	7.3	7.4	7.5	7.1	6.9	6.8	7.0	8.0	8.3	8.1	8.3	9.0	8.6
Farm workers	3.7	3.7	3.2	3.4	4.0	4.3	4.2	4.7	4.8	4.1	5.0	5.0	4.6
INDUSTRY													
Nonagricultural private wage and salary workers ³	5.8	5.7	5.7	5.6	5.8	5.9	6.2	7.7	7.9	7.8	7.5	7.5	7.3
Construction	10.0	11.5	10.7	9.8	9.4	10.6	11.8	15.6	16.3	14.4	13.8	15.8	16.0
Manufacturing	5.3	5.1	5.1	5.3	5.8	6.0	6.7	9.1	9.4	9.0	8.3	7.6	7.3
Durable goods	4.8	4.6	4.4	4.6	5.2	5.7	6.6	9.9	10.3	9.2	8.2	7.4	7.1
Nondurable goods	6.0	5.9	6.2	6.4	6.7	6.5	6.8	7.9	8.1	8.7	8.3	8.1	7.7
Transportation and public utilities	3.6	3.4	3.6	3.2	3.7	4.1	4.3	4.9	5.5	5.0	5.9	5.4	4.3
Wholesale and retail trade	6.7	6.7	6.5	6.4	6.4	6.4	6.5	7.4	7.7	8.1	7.5	7.7	8.1
Finance and service industries	5.2	4.9	5.0	4.8	4.9	4.7	4.8	5.4	5.5	5.5	5.8	5.9	5.7
Government workers	3.9	3.9	3.9	3.6	3.5	3.8	3.9	4.0	4.1	4.2	4.4	4.8	4.5
Agricultural wage and salary workers	8.6	8.4	8.1	8.6	9.6	9.8	10.1	11.2	11.5	10.6	11.8	11.1	11.2

¹ Unemployment as a percent of the civilian labor force.

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

as a percent of potentially available labor force hours.

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	1978		1979				1980				1981		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
DURATION													
Both sexes, 16 years and over:													
Less than 5 weeks	2,861	2,820	2,778	2,805	2,927	2,977	3,072	3,418	3,205	3,136	3,224	3,205	3,244
5 to 14 weeks	1,844	1,863	1,916	1,830	1,871	1,947	2,112	2,591	2,589	2,414	2,315	2,468	2,343
15 weeks and over	1,280	1,247	1,261	1,184	1,130	1,216	1,336	1,687	2,127	2,333	2,266	2,196	2,169
15 to 26 weeks	667	717	714	671	640	693	789	978	1,233	1,233	1,028	1,076	1,093
27 weeks and over	613	530	547	513	490	524	548	709	894	1,100	1,238	1,120	1,076
Average (mean duration, in weeks	11.6	11.2	11.4	10.8	10.5	10.6	10.8	11.2	12.4	13.5	14.3	13.7	14.0
Median duration, in weeks	5.8	5.7	5.8	5.6	5.4	5.5	5.6	6.0	7.5	7.5	7.1	7.2	7.0
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	47.8	47.6	46.7	48.2	49.4	48.5	47.1	44.4	40.5	39.8	41.3	40.7	41.8
5 to 14 weeks	30.8	31.4	32.2	31.4	31.6	31.7	32.4	33.7	32.7	30.6	29.7	31.4	30.2
15 weeks and over	21.4	21.0	21.2	20.4	19.1	19.8	20.5	21.9	26.8	29.6	29.0	27.9	28.0
15 to 26 weeks	11.1	12.1	12.0	11.5	10.8	11.3	12.1	12.7	15.6	15.6	13.2	13.7	14.1
27 weeks and over	10.2	8.9	9.2	8.8	8.3	8.5	8.4	9.2	11.3	13.9	15.9	14.2	13.9

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

Sex and age	1978		1979				1980				1981		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
Total, 16 years and over	5.9	5.9	5.8	5.7	5.7	5.9	6.2	7.3	7.5	7.5	7.4	7.4	7.2
16 to 19 years	16.1	16.3	16.0	16.0	16.0	16.2	16.4	17.9	18.4	18.3	19.1	19.2	18.7
16 to 17 years	19.3	19.4	18.6	18.4	17.3	18.0	18.5	20.1	20.9	20.7	21.3	22.1	20.3
18 to 19 years	13.6	13.9	14.1	14.4	15.0	14.8	14.9	16.5	16.6	16.5	17.7	17.6	17.7
20 to 24 years	9.3	8.9	8.9	8.7	9.1	9.4	10.0	12.0	12.1	12.1	11.8	12.4	11.7
25 years and over	4.0	3.9	4.0	3.8	3.9	4.0	4.3	5.2	5.5	5.4	5.2	5.2	5.2
25 to 54 years	4.2	4.2	4.2	4.0	4.1	4.3	4.6	5.6	5.9	5.9	5.6	5.5	5.5
55 years and over	3.1	3.0	3.0	3.0	3.0	2.9	3.0	3.3	3.4	3.4	3.6	3.4	3.6
Males, 16 years and over	5.0	5.1	5.1	4.9	5.0	5.3	5.7	7.2	7.6	7.4	7.1	7.1	6.9
16 to 19 years	15.3	16.2	16.3	15.4	15.8	15.7	15.8	18.3	19.4	19.5	20.0	19.8	19.1
16 to 17 years	18.7	19.9	19.3	17.8	16.8	17.6	17.9	20.6	21.9	21.5	22.1	23.2	20.8
18 to 19 years	12.4	13.2	14.1	13.9	14.9	14.0	14.4	16.9	17.5	17.9	18.6	17.8	18.0
20 to 24 years	8.6	8.6	8.4	8.1	8.6	9.1	10.5	13.1	13.4	13.2	12.8	13.4	12.3
25 years and over	3.2	3.2	3.3	3.1	3.3	3.5	3.8	5.0	5.4	5.0	4.8	4.8	4.8
25 to 54 years	3.3	3.4	3.4	3.2	3.3	3.7	4.0	5.3	5.8	5.5	5.1	5.1	5.1
55 years and over	2.9	2.8	2.9	2.9	3.0	2.8	3.0	3.4	3.6	3.3	3.3	3.3	3.4
Females, 16 years and over	7.3	6.9	6.9	6.8	6.7	6.8	6.9	7.4	7.5	7.7	7.7	7.7	7.7
16 to 19 years	17.0	16.5	15.7	16.6	16.3	16.8	17.1	17.4	17.3	16.9	18.2	18.6	18.2
16 to 17 years	20.0	18.8	17.8	19.1	18.0	18.4	19.2	19.5	19.7	19.8	20.3	20.7	19.8
18 to 19 years	14.8	14.7	14.1	15.0	15.1	15.7	15.5	16.1	15.7	15.0	16.6	17.3	17.5
20 to 24 years	10.1	9.3	9.4	9.4	9.7	9.7	9.4	10.7	10.4	10.8	10.6	11.2	11.1
25 years and over	5.2	4.9	5.0	4.8	4.7	4.8	5.0	5.5	5.6	5.9	5.8	5.7	5.7
25 to 54 years	5.5	5.3	5.4	5.2	5.1	5.2	5.4	6.0	6.1	6.3	6.1	6.2	6.1
55 years and over	3.4	3.3	3.3	3.1	3.2	3.1	3.0	3.2	3.2	3.6	4.0	3.4	3.9

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

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

[Numbers in thousands]

Reason for unemployment	1978		1979				1980				1981		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	2,412	2,449	2,497	2,396	2,553	2,786	3,040	4,071	4,357	4,232	3,863	4,041	3,986
On layoff	676	718	796	763	828	974	1,098	1,716	1,758	1,538	1,274	1,338	1,265
Other job losers	1,736	1,731	1,701	1,633	1,725	1,812	1,942	2,355	2,598	2,693	2,589	2,702	2,721
Job leavers	848	853	882	857	848	829	814	907	870	860	885	909	875
Reentrants	1,846	1,806	1,759	1,746	1,770	1,755	1,806	1,906	1,865	1,926	2,016	2,033	1,970
New entrants	861	846	833	804	750	800	818	832	875	879	971	960	923
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	40.4	41.1	41.8	41.3	43.1	45.1	46.9	52.8	54.7	53.6	49.9	50.9	51.4
On layoff	11.3	12.1	13.3	13.1	14.0	15.8	17.0	22.2	22.1	19.5	16.5	16.9	16.3
Other job losers	29.1	29.1	28.5	28.1	29.1	29.4	30.0	30.5	32.6	34.1	33.5	34.0	35.1
Job leavers	14.2	14.3	14.8	14.8	14.3	13.4	12.6	11.8	10.9	10.9	11.4	11.4	11.3
Reentrants	30.9	30.3	29.5	30.1	29.9	28.4	27.9	24.7	23.4	24.4	26.1	25.6	25.4
New entrants	14.4	14.2	13.9	13.9	12.7	13.0	12.6	10.8	11.0	11.1	12.6	12.1	11.9
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	2.4	2.4	2.4	2.3	2.5	2.7	2.9	3.9	4.1	4.0	3.7	3.8	3.7
On layoff .....	.8	.8	.9	.8	.8	.8	.8	.9	.8	.8	.8	.9	.8
Other job losers	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9
Job leavers .....	.9	.8	.8	.8	.7	.8	.8	.8	.8	.8	.9	.9	.9

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

[In thousands]

Sex and age	1978		1979				1980				1981		
	IIA	IV	I	II	III	IV	I	II	III	IV	I	II	III
Total, 16 years and over	94,774	95,581	96,359	96,574	97,282	97,572	97,718	97,040	97,061	97,276	98,012	98,868	98,725
16 to 19 years	8,100	8,032	8,096	7,993	7,900	7,952	7,859	7,627	7,477	7,443	7,377	7,256	7,073
16 to 17 years	3,534	3,282	3,332	3,255	3,219	3,278	3,179	3,049	2,965	2,928	2,924	2,828	2,768
18 to 19 years	4,783	4,761	4,760	4,716	4,685	4,685	4,680	4,559	4,528	4,522	4,440	4,411	4,310
20 to 24 years	13,602	13,736	13,884	13,899	13,927	13,856	13,782	13,545	13,544	13,607	13,690	13,664	13,725
25 years and over	73,063	73,809	74,390	74,683	75,456	75,755	76,082	75,872	76,060	76,208	76,941	77,955	77,919
25 to 54 years	58,920	59,576	60,003	60,378	61,113	61,388	61,720	61,546	61,723	62,056	62,726	63,578	63,716
55 years and over	14,153	14,244	14,382	14,292	14,347	14,375	14,369	14,311	14,336	14,157	14,203	14,375	14,215
Males, 16 years and over	55,057	55,953	56,356	56,445	56,640	56,572	56,526	55,855	55,674	55,899	56,147	56,477	56,404
16 to 19 years	4,529	4,270	4,274	4,253	4,214	4,212	4,216	4,045	3,898	3,894	3,902	3,794	3,690
16 to 17 years	1,795	1,742	1,776	1,763	1,746	1,759	1,747	1,642	1,569	1,569	1,563	1,468	1,466
18 to 19 years	2,552	2,535	2,492	2,475	2,472	2,462	2,471	2,391	2,346	2,329	2,330	2,314	2,235
20 to 24 years	7,579	7,448	7,516	7,541	7,561	7,518	7,430	7,232	7,170	7,203	7,238	7,219	7,315
25 years and over	43,954	44,235	44,567	44,638	44,873	44,844	44,881	44,569	44,625	44,800	45,008	45,445	45,399
25 to 54 years	35,217	35,414	35,717	35,874	36,046	36,051	36,072	35,819	35,897	36,112	36,299	36,741	36,804
55 years and over	8,739	8,817	8,853	8,768	8,829	8,783	8,812	8,757	8,730	8,676	8,699	8,725	8,602
Females, 16 years and over	39,117	39,628	40,003	40,130	40,642	41,000	41,192	41,185	41,387	41,376	41,865	42,390	42,321
16 to 19 years	3,771	3,762	3,822	3,740	3,685	3,740	3,642	3,582	3,580	3,549	3,476	3,462	3,384
16 to 17 years	1,539	1,540	1,556	1,492	1,473	1,518	1,432	1,408	1,396	1,359	1,361	1,356	1,301
18 to 19 years	2,230	2,225	2,269	2,241	2,213	2,231	2,210	2,168	2,182	2,193	2,109	2,096	2,075
20 to 24 years	6,223	6,288	6,368	6,358	6,366	6,338	6,351	6,313	6,374	6,404	6,452	6,445	6,410
25 years and over	29,109	29,574	29,823	30,045	30,583	30,911	31,201	31,303	31,435	31,408	31,933	32,510	32,520
25 to 54 years	23,703	24,162	24,286	24,504	25,067	25,337	25,647	25,728	25,826	25,944	26,427	26,837	26,912
55 years and over	5,415	5,428	5,528	5,524	5,519	5,592	5,558	5,554	5,606	5,480	5,504	5,651	5,613

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Category	1978		1979				1980				1981		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
CHARACTERISTIC													
Total, 16 years and over	94,774	95,581	96,359	96,574	97,282	97,572	97,718	97,640	97,061	97,276	98,012	98,868	98,725
Married men, spouse present	38,716	39,909	39,152	39,042	39,253	38,921	38,749	38,263	38,021	38,180	38,220	38,408	38,256
Married women, spouse present	21,920	22,271	22,483	22,524	22,901	22,991	23,142	23,123	23,090	23,040	23,407	23,708	23,559
OCCUPATION													
White collar workers	47,332	47,975	48,729	49,149	49,594	49,896	50,363	50,643	51,135	51,105	51,680	51,909	51,936
Professional and technical	14,255	14,514	14,904	15,053	15,090	15,164	15,395	15,583	15,669	15,818	15,868	15,833	16,173
Managers and administrators, except farm	10,109	10,122	10,366	10,459	10,631	10,613	10,785	10,850	11,038	11,001	11,472	11,293	11,325
Sales workers	5,960	6,035	6,053	6,142	6,163	6,285	6,231	6,055	6,195	6,202	6,252	6,349	6,295
Clerical workers	17,008	17,304	17,406	17,496	17,710	17,835	17,952	18,154	18,232	18,083	18,087	18,434	18,143
Blue-collar workers	31,690	31,913	32,090	31,942	32,188	32,032	31,669	30,788	30,315	30,481	30,459	31,151	30,930
Craft and kindred workers	12,498	12,600	12,819	12,827	12,924	12,943	12,756	12,540	12,413	12,415	12,432	12,616	12,428
Operatives, except transport	10,909	10,970	10,944	10,821	10,972	10,886	10,632	10,354	10,179	10,217	10,303	10,561	10,467
Transport equipment operatives	3,514	3,600	3,595	3,626	3,625	3,599	3,566	3,461	3,422	3,425	3,348	3,409	3,478
Nonfarm laborers	4,768	4,744	4,732	4,667	4,667	4,604	4,715	4,433	4,300	4,424	4,375	4,565	4,556
Service workers	12,862	12,960	12,801	12,827	12,759	12,952	12,985	12,966	12,963	12,920	13,098	13,133	13,126
Farm workers	2,822	2,770	2,750	2,662	2,706	2,698	2,704	2,679	2,690	2,756	2,693	2,730	2,712
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture													
Wage and salary workers	1,433	1,423	1,401	1,409	1,409	1,431	1,420	1,381	1,353	1,397	1,380	1,455	1,448
Self employed workers	1,616	1,598	1,572	1,539	1,597	1,610	1,604	1,617	1,653	1,636	1,614	1,650	1,615
Unpaid family workers	321	302	317	294	309	301	294	286	295	318	307	260	246
Nonagricultural industries													
Wage and salary workers	84,623	85,435	86,094	86,288	86,686	87,096	87,226	86,627	86,439	86,581	87,410	88,269	87,979
Government	15,266	15,343	15,296	15,385	15,362	15,428	15,534	15,724	15,608	15,634	15,671	15,533	15,200
Private industries	69,357	70,091	70,799	70,903	71,324	71,668	71,693	70,903	70,831	70,947	71,740	72,735	72,779
Private households	1,357	1,306	1,296	1,202	1,238	1,225	1,160	1,184	1,184	1,134	1,203	1,184	1,167
Other industries	68,000	68,785	69,503	69,700	70,086	70,443	70,533	69,719	69,647	69,813	70,537	71,552	71,612
Self employed workers	6,248	6,396	6,522	6,591	6,733	6,762	6,800	6,743	6,886	6,974	6,886	6,929	6,974
Unpaid family workers	461	463	467	465	466	419	392	405	415	406	382	338	386
PERSONS AT WORK¹													
Nonagricultural industries	86,106	86,750	87,476	87,577	88,826	88,707	88,815	88,003	87,957	88,550	89,508	89,566	89,848
Full time schedules	71,041	71,497	72,148	72,298	73,183	72,969	72,839	71,647	71,427	72,156	72,876	73,083	73,119
Part time for economic reasons	3,242	3,155	3,230	3,266	3,228	3,412	3,491	4,016	4,137	4,205	4,282	3,995	4,316
Usually work full time	1,291	1,243	1,267	1,268	1,326	1,447	1,486	1,804	1,735	1,651	1,653	1,504	1,654
Usually work part time	1,951	1,912	1,964	1,998	1,902	1,965	2,005	2,212	2,403	2,554	2,629	2,490	2,662
Part time for noneconomic reasons	11,823	12,098	12,098	12,013	12,415	12,327	12,484	12,340	12,393	12,190	12,350	12,488	12,413

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	1978		1979				1980				1981		
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
TOTAL													
Total not in labor force	58,482	58,396	58,242	58,803	58,602	58,850	58,999	59,111	59,493	59,906	59,820	59,377	60,274
Do not want job now	52,826	53,071	53,282	53,552	52,835	53,574	53,573	53,851	54,231	54,521	53,998	54,320	54,948
Current activity:													
Going to school	5,919	5,991	5,949	5,939	5,846	6,037	6,038	6,185	6,594	6,224	6,068	6,451	6,499
Ill, disabled	4,459	4,633	4,519	4,533	4,539	4,534	4,627	4,446	4,124	4,293	4,071	4,177	4,284
Keeping house	29,393	29,224	29,466	29,166	28,686	28,659	28,376	28,688	28,646	28,842	28,296	28,013	28,302
Retired	9,379	9,499	9,553	9,944	9,954	10,254	10,578	10,538	10,917	10,938	11,252	11,594	11,694
Other	3,676	3,724	3,795	3,921	3,809	4,090	3,954	3,994	3,950	4,224	4,311	4,085	4,170
Want a job now	5,339	5,283	5,252	5,193	5,437	5,333	5,548	5,431	5,605	5,586	5,905	5,568	5,474
Reason not looking:													
School attendance	1,425	1,339	1,360	1,388	1,503	1,478	1,453	1,461	1,517	1,466	1,521	1,502	1,442
Ill health, disability	698	742	739	695	760	785	771	728	759	710	817	742	677
Home responsibilities	1,219	1,222	1,221	1,237	1,253	1,245	1,335	1,195	1,235	1,179	1,290	1,246	1,134
Think cannot get job	850	787	713	814	729	766	949	921	961	1,055	1,115	1,018	1,050
Job-market factors	603	494	492	518	525	465	603	626	669	697	876	703	776
Personal factors	247	294	221	296	204	301	345	294	292	358	239	316	274
Other reasons ¹	1,147	1,192	1,219	1,059	1,191	1,058	1,040	1,127	1,133	1,176	1,162	1,059	1,172
Males													
Total not in labor force	16,735	16,687	16,602	16,947	16,937	17,220	17,296	17,344	17,607	17,795	17,947	17,811	18,308
Do not want job now	15,050	14,954	14,996	15,361	15,174	15,482	15,570	15,663	15,942	16,081	15,925	16,301	16,749
Want a job now	1,679	1,672	1,671	1,555	1,780	1,731	1,710	1,753	1,825	1,827	1,921	1,771	1,741
Reason not looking:													
School attendance	711	690	681	686	776	733	699	745	765	720	795	746	668
Ill health, disability	322	333	356	276	346	355	324	338	338	307	379	319	305
Think cannot get job	284	296	276	272	281	291	347	319	367	370	372	399	364
Other reasons ¹	362	352	358	321	377	353	340	351	355	430	374	306	404
Females													
Total not in labor force	41,747	41,709	41,640	41,856	41,665	41,630	41,702	41,769	41,886	42,111	41,873	41,566	41,966
Do not want job now	37,776	38,117	38,286	38,191	37,661	38,092	38,003	38,188	38,288	38,441	38,073	38,018	38,199
Want a job now	3,660	3,611	3,581	3,638	3,657	3,602	3,838	3,678	3,780	3,759	3,984	3,797	3,733
Reason not looking:													
School attendance	714	649	679	702	727	746	754	716	751	746	726	756	773
Ill health, disability	375	409	384	419	414	430	447	390	421	403	437	423	372
Home responsibilities	1,219	1,222	1,221	1,237	1,253	1,245	1,335	1,195	1,235	1,179	1,290	1,246	1,134
Think cannot get job	566	491	437	542	448	475	602	601	594	685	743	619	686
Other reasons ¹	785	840	861	738	815	705	700	776	778	746	788	753	768
White													
Total not in labor force	51,079	50,899	50,738	51,201	50,982	51,122	51,138	51,182	51,594	51,870	51,709	51,218	51,948
Do not want job now	46,893	46,855	46,852	47,292	46,826	46,973	46,874	47,198	47,545	47,744	47,198	47,332	47,898
Want a job now	4,201	3,928	3,983	3,934	4,192	4,042	4,259	4,094	4,139	4,124	4,328	4,022	4,045
Reason not looking:													
School attendance	1,156	982	1,000	1,001	1,153	1,113	1,051	1,087	1,084	1,059	1,095	1,039	978
Ill health, disability	519	523	510	505	529	527	559	533	514	513	574	500	485
Home responsibilities	955	914	910	932	972	985	1,104	940	957	907	967	964	841
Think cannot get job	580	544	510	578	534	551	673	611	681	686	756	676	730
Other reasons ¹	991	966	980	929	1,004	866	871	923	903	960	936	842	1,011
Black and other													
Total not in labor force	7,401	7,478	7,520	7,593	7,639	7,711	7,870	7,918	7,912	8,036	8,169	8,140	8,350
Do not want job now	6,164	6,156	6,236	6,338	6,345	6,460	6,544	6,581	6,449	6,642	6,558	6,602	6,985
Want a job now	1,201	1,316	1,281	1,217	1,309	1,236	1,322	1,315	1,526	1,402	1,642	1,538	1,499
Reason not looking:													
School attendance	313	359	362	402	385	369	400	357	461	406	427	458	495
Ill health, disability	170	206	215	195	223	236	228	205	228	187	270	253	188
Home responsibilities	269	306	290	266	295	258	243	239	285	269	342	266	299
Think cannot get job	279	234	211	216	204	197	296	292	293	354	395	325	331
Other reasons ¹	170	211	203	138	202	176	155	221	258	186	209	237	187

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 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	
TOTAL											
Total not in labor force	58,527	59,327	5,995	6,121	4,139	4,136	22,219	22,059	26,173	27,011	
Do not want a job now	53,148	54,056	4,867	4,888	3,277	3,369	19,349	19,254	25,656	26,540	
Current activity:											
Going to school	3,487	3,542	2,111	2,089	931	937	440	501	5	13	
Ill, disabled	4,148	4,295	36	52	109	115	2,093	2,065	1,911	2,061	
Keeping house	28,824	28,424	652	509	1,627	1,671	14,227	13,966	12,317	12,278	
Retired	11,091	11,884	2	--	--	--	252	273	10,838	11,610	
Other	5,598	5,911	2,066	2,238	610	646	2,337	2,449	585	578	
Want a job now	5,379	5,271	1,128	1,232	863	768	2,869	2,803	517	469	
Reason not looking:											
School attendance	836	800	493	503	162	140	175	157	5	--	
Ill health, disability	742	652	39	30	63	43	495	440	145	140	
Home responsibilities	1,429	1,312	81	92	286	256	1,030	942	31	36	
Think cannot get job	1,039	1,117	267	300	147	132	440	545	185	139	
Job-market factors	709	819	177	233	114	112	346	416	73	59	
Personal factors	330	298	90	69	34	19	93	129	113	81	
Other reasons ¹	1,333	1,390	248	307	205	197	729	719	151	167	
Males											
Total not in labor force	16,738	17,440	2,622	2,733	1,128	1,142	3,245	3,432	9,743	10,133	
Do not want a job now	15,182	15,912	2,109	2,154	859	932	2,709	2,908	9,505	9,915	
Current activity:											
Going to school	1,710	1,778	1,039	992	473	519	195	261	2	4	
Ill, disabled	2,151	2,348	19	30	57	67	1,129	1,181	946	1,070	
Keeping house	307	243	20	13	1	9	71	79	215	142	
Retired	8,161	8,553	--	--	--	--	226	226	7,935	8,326	
Other	2,853	2,990	1,031	1,119	328	337	1,088	1,161	407	373	
Want a job now	1,555	1,529	513	578	268	210	536	522	239	218	
Reason not looking:											
School attendance	402	360	243	237	88	76	71	48	--	--	
Ill health, disability	327	288	18	14	42	17	194	188	73	69	
Think cannot get job	423	420	148	179	62	56	122	122	92	62	
Other reasons ¹	403	461	104	148	76	61	149	164	74	87	
Females											
Total not in labor force	41,790	41,888	3,373	3,388	3,012	2,995	18,975	18,628	16,430	16,878	
Do not want a job now	37,965	38,145	2,760	2,734	2,416	2,434	16,640	16,347	16,150	16,626	
Current activity:											
Going to school	1,777	1,764	1,073	1,096	457	419	246	239	3	10	
Ill, disabled	1,997	1,946	18	22	51	45	963	885	965	991	
Keeping house	28,517	28,182	632	496	1,662	1,662	14,157	13,887	12,102	12,136	
Retired	2,930	3,332	2	--	--	--	25	48	2,902	3,284	
Other	2,744	2,921	1,035	1,120	282	308	1,249	1,288	178	205	
Want a job now	3,824	3,743	613	654	596	559	2,334	2,281	277	251	
Reason not looking:											
School attendance	434	440	250	267	75	63	103	110	5	--	
Ill health, disability	415	364	20	16	21	28	302	252	72	71	
Home responsibilities	1,429	1,312	81	92	286	256	1,030	942	31	23	
Think cannot get job	616	697	119	121	85	76	319	423	93	76	
Other reasons	930	930	143	158	129	136	580	554	76	81	

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 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981
WHITE												
Total not in labor force	50,860	51,228	7,963	7,927	19,285	18,936	23,612	24,365	14,215	14,684	36,645	36,545
Do not want a job now	46,899	47,314	6,584	6,518	17,151	16,807	23,174	23,989	13,053	13,567	33,846	33,747
Current activity:												
Going to school	2,758	2,723	2,403	2,360	357	348	5	14	1,353	1,385	1,405	1,338
Ill, disabled	3,376	3,418	128	104	1,690	1,620	1,559	1,695	1,780	1,875	1,596	1,543
Keeping house	26,169	25,702	1,934	1,817	12,918	12,557	11,319	11,330	254	190	25,915	25,512
Retired	9,986	10,680	2	--	225	252	9,760	10,427	7,370	7,734	2,616	2,946
Other	4,610	4,791	2,117	2,237	1,961	2,030	531	523	2,296	2,383	2,314	2,408
Want a job now	3,960	3,915	1,381	1,409	2,142	2,129	438	379	1,161	1,116	2,799	2,799
Reason not looking:												
School attendance	584	524	457	421	122	104	4	--	306	234	278	290
Ill health, disability	501	464	68	55	317	305	115	105	239	232	262	232
Home responsibilities	1,120	990	267	243	823	725	31	22	--	--	1,120	990
Think cannot get job	705	754	266	278	286	376	155	100	297	264	408	490
Other reasons ¹	1,050	1,183	323	412	594	619	133	152	319	386	731	797
BLACK AND OTHER												
Total not in labor force	7,667	8,099	2,171	2,330	2,935	3,124	2,562	2,645	2,523	2,756	5,144	5,343
Do not want a job now	6,246	6,741	1,559	1,745	2,204	2,448	2,484	2,555	2,127	2,342	4,119	4,399
Current activity:												
Going to school	728	819	637	669	90	152	--	--	356	393	372	426
Ill, disabled	772	876	18	65	402	445	353	368	371	473	401	403
Keeping house	2,654	2,722	345	364	1,311	1,412	999	949	52	52	2,602	2,670
Retired	1,105	1,204	--	--	26	22	1,079	1,182	791	818	314	386
Other	987	1,120	559	647	375	417	53	56	557	606	430	514
Want a job now	1,419	1,357	611	589	729	677	80	91	395	413	1,024	944
Reason not looking:												
School attendance	252	276	201	221	51	55	1	--	96	126	156	150
Ill health, disability	241	188	32	18	180	135	29	35	88	56	153	132
Home responsibilities	309	322	100	103	208	216	--	1	--	--	309	322
Think cannot get job	334	362	149	154	155	169	31	40	126	155	208	207
Other reasons ¹	283	209	129	93	135	102	19	15	85	76	198	133

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	3rd Quarter 1981						
	Total	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	126	39	--	22	66	102	23
Lacks education or training	104	28	9	62	5	74	30
Other personal handicap	68	2	10	45	10	50	18
Job-market factors:							
Could not find job	515	182	91	213	29	286	229
Thinks no job available	304	51	21	203	30	242	62
Males							
Personal factors:							
Employers think too young or old	65	26	--	11	28	50	15
Lacks education or training	29	13	5	8	3	19	11
Other personal handicap	19	2	3	11	4	14	5
Job-market factors:							
Could not find job	235	111	40	68	16	125	110
Thinks no job available	71	28	8	25	11	57	15
Females							
Personal factors:							
Employers think too young or old	61	13	--	10	37	52	8
Lacks education or training	74	15	4	55	2	55	19
Other personal handicap	49	--	7	35	6	36	13
Job-market factors:							
Could not find job	280	70	51	148	11	161	119
Thinks no job available	233	22	13	177	19	185	47

**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 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981
Total, not in labor force	58,527	59,327	10,134	10,257	22,219	22,059	26,173	27,011	50,860	51,228	7,667	8,099
Never worked	8,680	8,886	4,134	4,380	2,178	2,117	2,368	2,388	6,901	6,907	1,780	1,979
Last worked over 5 years ago	29,830	30,607	295	290	10,905	10,754	18,630	19,563	26,590	27,091	3,239	3,516
Last worked 1 to 5 years ago	10,490	10,699	1,594	1,781	5,063	5,350	3,833	3,568	9,182	9,314	1,308	1,384
Left job during previous 12 months	9,527	9,135	4,111	3,807	4,075	3,837	1,342	1,491	8,186	7,917	1,341	1,218
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	42.2	41.3	60.8	62.1	35.5	34.8	5.4	4.6	43.6	41.7	33.4	38.4
Ill health, disability	8.9	8.2	2.2	2.2	14.3	12.1	13.4	13.4	8.4	7.8	12.0	10.6
Retirement, old age	9.0	10.3	—	—	3.6	3.3	52.8	54.5	9.7	11.0	4.9	5.8
Economic reasons	22.1	23.0	18.7	18.6	26.6	28.8	19.0	19.5	21.3	22.3	27.3	27.6
End of seasonal job	8.6	8.8	8.4	7.4	9.4	11.0	7.1	6.8	8.3	8.5	10.7	11.2
Slack work	7.0	7.8	5.7	6.0	8.7	10.3	5.9	6.0	6.5	7.2	9.9	11.2
End of temporary job	6.5	6.4	4.5	5.2	8.6	7.5	6.0	6.7	6.4	6.6	6.7	5.3
All other reasons	17.8	17.2	18.4	17.0	20.1	21.0	9.4	8.0	17.1	17.2	22.4	17.6
Males, not in labor force	16,738	17,440	3,750	3,875	3,245	3,432	9,743	10,133	14,215	14,684	2,523	2,756
Never worked	1,904	2,147	1,600	1,793	248	298	57	55	1,345	1,492	560	655
Last worked over 5 years ago	7,990	8,550	34	45	1,227	1,322	6,729	7,183	6,956	7,394	1,034	1,156
Last worked 1 to 5 years ago	3,618	3,505	391	432	1,033	998	2,195	2,077	3,114	3,041	504	464
Left job during previous 12 months	3,224	3,237	1,725	1,604	737	815	763	817	2,799	2,757	425	480
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	34.0	33.0	56.4	57.9	14.6	15.3	1.8	2.1	34.5	33.5	30.6	30.2
Ill health, disability	10.9	11.4	2.7	2.4	27.6	27.4	13.1	13.2	11.2	11.0	8.9	13.5
Retirement, old age	17.9	19.2	—	—	13.3	10.6	62.9	65.4	19.2	20.9	9.4	9.6
Economic reasons	19.1	20.6	20.2	21.8	20.1	24.4	16.0	14.1	17.8	19.1	28.0	29.2
End of seasonal job	7.4	7.1	9.6	8.7	4.6	4.9	5.2	6.2	6.6	6.3	12.5	11.5
Slack work	6.7	7.6	5.5	6.9	10.6	12.6	5.6	3.8	6.0	6.6	11.5	13.3
End of temporary job	5.0	5.9	5.0	6.2	4.9	6.9	5.1	4.0	5.1	6.2	4.0	4.4
All other reasons	18.1	15.9	20.7	17.9	24.4	22.3	6.2	5.3	17.4	15.6	23.1	17.5
Females, not in labor force	41,790	41,888	6,385	6,383	18,975	18,628	16,430	16,878	36,645	36,545	5,144	5,343
Never worked	6,775	6,739	2,536	2,586	1,929	1,820	2,311	2,333	5,556	5,415	1,220	1,324
Last worked over 5 years ago	21,839	22,057	261	245	9,678	9,433	11,900	12,380	19,634	19,697	2,205	2,360
Last worked 1 to 5 years ago	6,872	7,193	1,203	1,349	4,029	4,353	1,639	1,491	6,068	6,273	804	920
Left job during previous 12 months	6,303	5,898	2,386	2,202	3,339	3,021	579	674	5,387	5,160	916	738
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	46.4	45.8	63.9	65.3	40.1	40.2	10.2	7.6	48.4	46.1	34.6	43.7
Ill health, disability	7.9	6.5	1.8	2.1	11.3	8.0	13.6	13.7	7.0	6.1	13.4	8.7
Retirement, old age	4.4	5.4	—	—	1.5	1.3	39.5	41.5	5.0	5.7	2.8	3.4
Economic reasons	23.7	24.3	17.6	16.1	28.0	29.9	23.1	26.0	23.1	24.0	27.0	26.7
End of seasonal job	9.3	9.8	7.5	6.5	10.4	12.7	9.5	7.6	9.2	9.6	9.9	11.0
Slack work	7.1	7.9	5.8	5.3	8.2	9.6	6.2	8.6	6.8	7.6	9.1	9.9
End of temporary job	7.2	6.7	4.2	4.4	9.3	7.6	7.4	9.8	7.1	6.8	8.0	5.8
All other reasons	17.7	18.0	16.7	16.4	19.1	20.6	13.6	11.3	16.9	18.1	22.1	17.6

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 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981
Total	50,022	51,001	5,978	6,088	18,430	18,353	25,614	26,561	44,129	44,640	5,892	6,361
Do not intend to seek work	8,505	8,325	4,157	4,170	3,789	3,706	559	450	6,729	6,588	1,774	1,737
Intend to seek work in the next 12 months	1,228	1,271	1,066	1,134	154	132	9	5	833	909	396	362
Never worked	1,206	972	41	46	987	818	181	109	927	712	279	260
Last worked over 5 years ago	1,768	2,047	581	710	1,002	1,179	183	158	1,343	1,569	425	479
Last worked 1 to 5 years ago	4,302	4,035	2,469	2,278	1,649	1,579	186	177	3,627	3,399	675	636
Worked during previous 12 months												
Males	14,131	14,771	2,048	2,089	2,576	2,760	9,508	9,923	12,104	12,576	2,027	2,195
Do not intend to seek work	2,606	2,668	1,702	1,785	669	673	236	210	2,110	2,107	495	561
Intend to seek work in the next 12 months	458	527	440	507	17	17	2	2	319	377	140	150
Never worked	148	124	—	8	88	84	59	32	97	72	51	52
Last worked over 5 years ago	492	517	175	226	231	199	87	91	368	402	124	115
Last worked 1 to 5 years ago	1,508	1,501	1,086	1,044	333	373	89	84	1,327	1,257	181	244
Worked during previous 12 months												
Females	35,890	36,230	3,929	3,999	15,854	15,594	16,106	16,637	32,025	32,064	3,865	4,166
Do not intend to seek work	5,899	5,657	2,455	2,385	3,121	3,034	324	239	4,619	4,481	1,279	1,176
Intend to seek work in the next 12 months	778	744	626	627	137	114	7	3	514	532	256	212
Never worked	1,059	849	41	38	898	735	121	76	830	640	228	208
Last worked over 5 years ago	1,275	1,530	407	485	772	979	97	67	975	1,167	301	364
Last worked 1 to 5 years ago	2,795	2,534	1,383	1,235	1,314	1,207	98	93	2,300	2,142	494	392
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 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981
TOTAL								
Civilian noninstitutional population	164,475	166,708	143,907	145,585	17,480	17,856	8,801	9,032
Civilian labor force	105,948	107,381	93,047	94,356	10,861	10,974	5,685	5,814
Percent of population	64.4	64.4	64.7	64.8	62.1	61.5	64.6	64.4
Employed	97,986	99,588	86,888	88,480	9,231	9,229	5,062	5,244
Agriculture	3,708	3,724	3,438	3,485	204	170	274	298
Nonagricultural industries	94,278	95,864	83,450	84,995	9,027	9,060	4,788	4,946
Unemployed	7,961	7,793	6,159	5,876	1,630	1,744	623	570
Unemployment rate	7.5	7.3	6.6	6.2	15.0	15.9	11.0	9.8
Not in labor force	58,527	59,327	50,860	51,228	6,619	6,882	3,116	3,218
Males, 20 years and over								
Civilian noninstitutional population	69,762	70,986	61,764	62,747	6,749	6,918	3,618	3,846
Civilian labor force	55,645	56,279	49,577	50,147	5,089	5,140	3,088	3,261
Percent of population	79.8	79.3	80.3	79.9	75.4	74.3	85.4	84.8
Employed	52,228	53,151	46,898	47,751	4,418	4,475	2,813	3,020
Agriculture	2,485	2,510	2,296	2,338	142	128	191	210
Nonagricultural industries	49,743	50,641	44,602	45,414	4,276	4,347	2,623	2,810
Unemployed	3,418	3,128	2,679	2,396	671	665	275	241
Unemployment rate	6.1	5.6	5.4	4.8	13.2	12.9	8.9	7.4
Not in labor force	14,116	14,707	12,187	12,599	1,660	1,778	530	584
Females, 20 years and over								
Civilian noninstitutional population	78,477	79,851	68,465	69,529	8,493	8,707	3,993	4,055
Civilian labor force	40,061	41,352	34,436	35,568	4,740	4,881	1,932	2,010
Percent of population	51.0	51.8	50.3	51.2	55.8	56.1	48.4	49.6
Employed	37,321	38,432	32,340	33,423	4,170	4,187	1,753	1,806
Agriculture	677	705	632	662	33	22	41	52
Nonagricultural industries	36,643	37,728	31,708	32,761	4,137	4,165	1,711	1,754
Unemployed	2,740	2,920	2,096	2,145	570	694	180	204
Unemployment rate	6.8	7.1	6.1	6.0	12.0	14.2	9.3	10.2
Not in labor force	38,416	38,499	34,029	33,961	3,753	3,826	2,061	2,045
Both sexes, 16-19 years								
Civilian noninstitutional population	16,236	15,871	13,678	13,309	2,238	2,231	1,190	1,132
Civilian labor force	10,241	9,750	9,034	8,641	1,032	952	665	542
Percent of population	63.1	61.4	66.0	64.9	46.1	42.7	55.9	47.9
Employed	8,438	8,004	7,651	7,305	643	568	496	418
Agriculture	546	510	511	485	29	19	42	36
Nonagricultural industries	7,892	7,494	7,140	6,820	614	548	454	382
Unemployed	1,803	1,746	1,383	1,336	390	385	169	124
Unemployment rate	17.6	17.9	15.3	15.5	37.7	40.4	25.4	22.9
Not in labor force	5,995	6,121	4,644	4,668	1,206	1,278	525	589

NOTE: The term "black" refers to black workers only. In the 1970 census, they constituted about 89 percent of the "black and other" population group. Data on persons of Hispanic ethnicity are

collected independently of racial data. In the 1970 census, approximately 96 percent of their population was white.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

**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 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981
TOTAL								
Civilian noninstitutional population	8,801	9,032	5,115	5,363	1,243	1,257	646	748
Civilian labor force	5,685	5,814	3,423	3,577	662	638	423	486
Percent of population	64.6	64.4	66.9	66.7	53.3	50.8	65.5	65.0
Employed	5,062	5,244	3,059	3,241	559	551	374	442
Agriculture	274	298	249	276	5	5	1	2
Nonagricultural industries	4,788	4,946	2,810	2,965	554	546	372	439
Unemployed	623	570	364	336	103	87	49	45
Unemployment rate	11.0	9.8	10.6	9.4	15.5	13.7	11.6	9.2
Not in labor force	3,116	3,218	1,693	1,786	582	619	223	262
Males, 20 years and over								
Civilian noninstitutional population	3,618	3,846	2,210	2,374	443	485	268	319
Civilian labor force	3,088	3,261	1,924	2,058	360	384	222	261
Percent of population	85.4	84.8	87.1	86.7	81.3	79.2	82.8	81.8
Employed	2,813	3,020	1,763	1,925	323	341	193	237
Agriculture	191	210	175	195	3	4	1	2
Nonagricultural industries	2,623	2,810	1,588	1,730	320	337	191	235
Unemployed	275	241	162	133	36	43	30	24
Unemployment rate	8.9	7.4	8.4	6.4	10.1	11.1	13.3	9.2
Not in labor force	530	584	286	316	83	102	46	58
Females, 20 years and over								
Civilian noninstitutional population	3,993	4,055	2,184	2,282	600	599	313	352
Civilian labor force	1,932	2,010	1,063	1,129	224	209	165	193
Percent of population	48.4	49.6	48.7	49.5	37.3	34.9	52.7	54.8
Employed	1,753	1,806	959	1,008	195	181	152	178
Agriculture	41	52	34	46	2	1	--	--
Nonagricultural industries	1,711	1,754	925	962	194	180	152	178
Unemployed	180	204	103	121	29	28	13	15
Unemployment rate	9.3	10.2	9.7	10.7	12.9	13.4	7.7	7.8
Not in labor force	2,061	2,045	1,122	1,153	376	390	148	159
Both sexes, 16-19 years								
Civilian noninstitutional population	1,190	1,132	721	707	201	172	65	77
Civilian labor force	665	542	436	390	78	45	35	33
Percent of population	55.9	47.9	60.5	55.2	38.8	26.2	53.8	42.9
Employed	496	418	337	307	40	28	29	27
Agriculture	42	36	40	35	--	--	--	--
Nonagricultural industries	454	382	297	273	40	28	29	27
Unemployed	169	124	99	82	38	16	7	5
Unemployment rate	25.4	22.9	22.7	21.1	48.2	(2)	(2)	(2)
Not in labor force	525	589	285	317	123	128	29	44

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 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981
CHARACTERISTIC								
Total, 16 years and over	97,986	99,588	86,888	88,480	11,098	11,108	5,062	5,244
Males	56,730	57,422	50,970	51,640	5,760	5,782	3,116	3,259
Females	41,256	42,165	35,918	36,840	5,338	5,326	1,945	1,985
OCCUPATION								
White-collar workers	50,813	51,616	46,446	47,157	4,367	4,458	1,703	1,757
Professional and technical	15,242	15,737	13,844	14,216	1,399	1,521	400	412
Managers and administrators, except farm	11,205	11,480	10,611	10,855	594	625	328	334
Sales workers	6,171	6,274	5,865	5,942	307	331	187	190
Clerical workers	18,194	18,126	16,127	16,145	2,067	1,981	788	821
Blue-collar workers	31,088	31,717	27,157	27,721	3,931	3,995	2,298	2,416
Craft and kindred workers	12,712	12,723	11,637	11,723	1,075	1,000	691	720
Operatives, except transport	10,264	10,558	8,705	8,852	1,558	1,706	1,093	1,081
Transport equipment operatives	3,412	3,472	2,897	2,964	515	508	189	233
Nonfarm laborers	4,700	4,964	3,918	4,182	782	781	325	382
Service workers	13,067	13,205	10,477	10,726	2,590	2,478	833	824
Farm workers	3,019	3,050	2,809	2,875	210	176	227	247
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,564	1,678	1,367	1,508	196	170	244	278
Self-employed workers	1,775	1,739	1,710	1,676	65	63	26	17
Unpaid family workers	369	307	360	301	8	6	3	2
Nonagricultural industries:								
Wage and salary workers	86,944	88,468	76,557	78,056	10,387	10,412	2,540	4,946
Government	15,217	14,808	12,738	12,431	2,480	2,378	665	643
Private industries	71,727	73,660	63,819	65,625	7,907	8,033	3,876	4,050
Private households	1,234	1,214	830	852	404	362	87	85
Other industries	70,493	72,446	62,989	64,773	7,504	7,671	3,789	3,965
Self-employed workers	6,912	7,001	6,496	6,562	416	439	236	236
Unpaid family workers	422	395	398	377	25	18	13	18
FULL- AND PART-TIME STATUS ¹								
Full-time schedules	80,603	81,992	71,460	72,711	9,143	9,282	4,333	4,397
Part time for economic reasons	4,798	4,966	3,986	4,168	811	798	328	389
Part time for noneconomic reasons	12,586	12,629	11,443	11,601	1,143	1,029	400	458

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 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981
CHARACTERISTIC								
Total, 16 years and over	5,062	5,244	3,059	3,241	559	551	374	442
Males	3,116	3,259	1,970	2,108	350	357	210	250
Females	1,945	1,985	1,089	1,133	209	193	164	192
OCCUPATION								
White-collar workers	1,703	1,757	850	931	224	222	168	203
Professional and technical	400	412	181	211	53	53	39	49
Managers and administrators, except farm	328	334	153	158	39	36	42	52
Sales workers	187	190	101	113	19	11	21	23
Clerical workers	788	821	415	449	113	122	66	79
Blue-collar workers	2,298	2,416	1,518	1,610	230	243	158	186
Craft and kindred workers	691	720	463	484	53	62	50	56
Operatives, except transport	1,093	1,081	693	683	130	124	79	85
Transport equipment operatives	189	233	125	153	22	23	16	25
Nonfarm laborers	325	382	237	290	25	34	13	20
Service workers	833	824	482	465	103	84	47	52
Farm workers	227	247	209	234	4	2	--	1
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	244	278	229	267	4	2	1	2
Self-employed workers	26	17	19	8	1	3	--	1
Unpaid family workers	3	2	2	1	--	--	--	--
Nonagricultural industries:								
Wage and salary workers	4,540	4,693	2,681	2,842	543	529	330	392
Government	665	643	400	428	96	87	25	24
Private industries	3,876	4,050	228	2,414	448	443	305	368
Private households	87	85	47	36	6	3	2	3
Other industries	3,789	3,965	2,234	2,378	442	440	303	365
Self-employed workers	236	236	122	112	11	16	40	44
Unpaid family workers	13	18	5	12	--	1	3	2
FULL- AND PART-TIME STATUS²								
Full-time schedules	4,333	4,397	2,594	2,695	492	494	334	367
Part time for economic reasons	328	389	232	295	25	20	13	23
Part time for noneconomic reasons	400	458	233	252	42	37	29	52

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 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981
Total, 16 years and over	97,986	99,588	86,888	88,480	9,231	9,229	5,062	5,244
16 to 19 years	8,438	8,004	7,651	7,305	643	568	496	418
16 to 17 years	3,501	3,294	3,181	3,007	263	230	197	163
18 to 19 years	4,937	4,710	4,470	4,298	380	338	299	255
20 to 24 years	13,936	14,121	12,325	12,574	1,358	1,302	892	927
25 years and over	75,613	77,463	66,913	68,601	7,231	7,361	3,675	3,899
25 to 54 years	61,354	63,315	54,006	55,823	6,073	6,182	3,281	3,486
55 years and over	14,260	14,148	12,906	12,778	1,157	1,179	394	413
Males, 16 years and over	56,730	57,422	50,970	51,640	4,770	4,785	3,116	3,259
16 to 19 years	4,503	4,271	4,072	3,889	352	311	303	239
16 to 17 years	1,903	1,792	1,720	1,627	150	131	118	88
18 to 19 years	2,600	2,480	2,352	2,261	202	180	185	151
20 to 24 years	7,448	7,596	6,624	6,797	691	673	514	568
25 years and over	44,780	45,555	40,274	40,954	3,727	3,802	2,299	2,452
25 to 54 years	36,019	36,923	32,251	33,059	3,111	3,181	2,024	2,163
55 years and over	8,762	8,632	8,023	7,895	616	621	275	290
Females, 16 years and over	41,256	42,165	35,918	36,840	4,461	4,444	1,945	1,985
16 to 19 years	3,935	3,733	3,579	3,416	291	257	193	179
16 to 17 years	1,598	1,502	1,460	1,379	113	99	79	75
18 to 19 years	2,337	2,231	2,118	2,037	178	158	113	104
20 to 24 years	6,488	6,525	5,701	5,777	667	628	378	359
25 years and over	30,833	31,907	26,639	27,646	3,503	3,559	1,375	1,448
25 to 54 years	25,335	26,391	21,756	22,765	2,962	3,001	1,256	1,323
55 years and over	5,498	5,516	4,884	4,882	541	558	119	124

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

Sex and age	Total		White		Black		Hispanic origin	
	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981
Total, 16 years and over	7.5	7.3	6.6	6.2	15.0	15.9	11.0	9.8
16 to 19 years	17.6	17.9	15.3	15.5	37.7	40.4	25.4	22.9
16 to 17 years	19.4	18.8	17.4	16.6	37.2	40.6	28.1	25.8
18 to 19 years	16.3	17.2	13.8	14.6	38.1	40.3	23.5	21.0
20 to 24 years	11.8	11.5	10.2	9.5	23.8	27.0	12.4	13.4
25 years and over	5.4	5.2	4.8	4.5	10.2	10.6	8.2	7.2
25 to 54 years	5.9	5.5	5.2	4.8	10.9	11.5	8.3	7.3
55 years and over	3.2	3.4	2.9	3.1	5.9	5.9	7.3	6.1
Males, 16 years and over	7.2	6.6	6.3	5.6	15.5	15.3	10.7	8.6
16 to 19 years	17.7	17.5	15.5	15.0	36.4	39.4	24.6	21.1
16 to 17 years	19.4	18.4	17.7	16.3	35.2	38.0	26.4	30.4
18 to 19 years	16.4	16.8	13.9	14.0	37.3	40.4	23.5	14.6
20 to 24 years	12.5	11.5	11.0	9.6	24.5	26.0	12.8	11.5
25 years and over	5.0	4.5	4.4	3.9	10.7	10.1	8.0	6.4
25 to 54 years	5.4	4.8	4.7	4.2	11.5	10.8	8.0	6.5
55 years and over	3.3	3.2	3.1	2.9	6.2	6.8	7.7	5.2
Females, 16 years and over	8.0	8.2	7.1	7.1	14.5	16.5	11.4	11.8
16 to 19 years	17.5	18.4	15.0	16.0	39.2	41.6	26.5	25.2
16 to 17 years	19.4	19.4	17.0	16.9	39.8	43.7	30.6	19.7
18 to 19 years	16.2	17.8	13.6	15.3	38.9	40.2	23.4	28.8
20 to 24 years	10.9	11.6	9.1	9.3	23.0	28.1	11.9	16.1
25 years and over	5.9	6.1	5.4	5.3	9.6	11.2	8.6	8.5
25 to 54 years	6.5	6.6	6.0	5.7	10.3	12.2	8.9	8.6
55 years and over	3.0	3.7	2.7	3.5	5.8	4.9	5.6	5.1

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

(Numbers in thousands)

Weeks of unemployment	Total		White		Black and other		Hispanic origin	
	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981
DURATION								
Total, 16 years and over	7,961	7,793	6,159	5,876	1,803	1,917	623	570
Less than 5 weeks	3,342	3,374	2,643	2,643	699	731	284	268
5 to 14 weeks	2,749	2,488	2,113	1,854	636	634	228	184
15 weeks and over	1,870	1,931	1,402	1,379	468	552	111	118
15 to 26 weeks	984	858	747	618	237	240	66	61
27 weeks and over	886	1,073	655	761	231	312	45	56
Average (mean) duration, in weeks	11.8	13.3	11.3	12.7	13.3	15.1	10.4	11.7
Median duration, in weeks	6.7	6.5	6.5	6.1	7.6	7.8	6.1	5.7
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	42.0	43.3	42.9	45.0	38.8	38.1	45.6	47.1
5 to 14 weeks	34.5	31.9	34.3	31.6	35.3	33.1	36.6	32.3
15 weeks and over	23.5	24.8	22.8	23.5	26.0	28.8	17.8	20.6
15 to 26 weeks	12.4	11.0	12.1	10.5	13.1	12.5	10.6	10.7
27 weeks and over	11.1	13.8	10.6	13.0	12.8	16.3	7.2	9.8

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 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981
NUMBER OF UNEMPLOYED								
Total, 16 years and over	7,961	7,793	6,159	5,876	1,803	1,917	623	570
Job losers	4,079	3,763	3,208	2,847	871	917	310	305
On layoff	1,589	1,150	1,321	937	268	214	80	94
Other job losers	2,490	2,613	1,887	1,910	603	703	230	211
Job leavers	966	973	817	797	150	176	85	61
Reentrants	1,915	2,012	1,433	1,514	482	498	123	113
New entrants	1,000	1,044	701	718	300	326	106	91
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	51.3	48.3	52.0	48.4	48.3	47.8	49.7	53.5
On layoff	20.0	14.8	21.4	15.9	14.9	11.1	12.8	16.5
Other job losers	31.3	33.5	30.6	32.5	33.4	36.7	36.9	37.0
Job leavers	12.1	12.5	13.3	13.6	8.3	9.2	13.6	10.7
Reentrants	24.1	25.8	23.3	25.8	26.8	26.0	19.7	19.8
New entrants	12.6	13.4	11.4	12.2	16.6	17.0	17.0	16.0
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	3.9	3.5	3.4	3.0	6.8	7.0	5.5	5.2
Job leavers9	.9	.9	.8	1.2	1.4	1.5	1.0
Reentrants	1.8	1.9	1.5	1.6	3.7	3.8	2.2	1.9
New entrants9	1.0	.8	.8	2.3	2.5	1.9	1.6

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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				
	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	
VETERANS											
Total 25 years and over	8,312	8,580	7,929	8,169	7,456	7,766	474	403	6.0	4.9	
25 to 29 years	7,292	7,318	7,043	7,066	6,597	6,703	446	363	6.3	5.1	
30 to 34 years	1,681	1,459	1,581	1,367	1,403	1,265	178	102	11.3	7.5	
35 to 39 years	3,568	3,286	3,473	3,195	3,292	3,047	180	148	5.2	4.6	
40 years and over	2,043	2,573	1,989	2,503	1,902	2,391	88	112	4.4	4.5	
40 years and over	1,020	1,262	886	1,103	859	1,063	27	40	3.1	3.6	
NONVETERANS											
Total, 25 to 39 years	15,591	16,456	14,844	15,567	13,887	14,681	957	886	6.4	5.7	
25 to 29 years	7,140	7,432	6,771	7,032	6,222	6,566	549	466	8.1	6.6	
30 to 34 years	4,647	5,327	4,449	5,053	4,199	4,753	250	299	5.6	5.9	
35 to 39 years	3,804	3,697	3,625	3,483	3,467	3,361	158	121	4.4	3.5	

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. Data for 20-to-24-year-old veterans are no longer shown on the table, because the group is rapidly disappearing (into the 25-29 age category) and the numbers remaining are not large enough to warrant their continued publication.

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 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981
Total, 25 to 39 years:												
Civilian noninstitutional population	6,555	6,573	737	745	250	293	13,570	14,316	2,021	2,140	1,218	1,298
Civilian labor force	6,350	6,375	693	691	236	280	13,025	13,702	1,818	1,865	1,148	1,213
Employed	5,992	6,068	605	636	221	266	12,296	13,048	1,590	1,633	1,048	1,122
Unemployed	358	307	88	55	15	14	729	654	228	232	100	91
Unemployment rate	5.6	4.8	12.7	8.0	6.4	5.0	5.6	4.8	12.5	12.4	8.7	7.5
25 to 29 years												
Civilian noninstitutional population	1,449	1,271	232	188	78	92	6,288	6,511	852	921	538	561
Civilian labor force	1,368	1,205	213	162	73	89	6,009	6,236	761	796	502	528
Employed	1,232	1,121	171	144	65	86	5,567	5,884	654	682	460	488
Unemployed	136	84	42	18	8	3	442	352	107	114	42	40
Unemployment rate	9.9	7.0	19.7	11.1	11.0	3.4	7.4	5.6	14.1	14.3	8.4	7.6
30 to 34 years												
Civilian noninstitutional population	3,245	2,967	323	319	118	104	3,996	4,602	651	725	390	430
Civilian labor force	3,166	2,896	307	300	113	100	3,857	4,410	591	643	369	398
Employed	3,012	2,766	280	282	110	95	3,678	4,197	520	557	334	360
Unemployed	154	130	27	18	3	5	179	213	71	86	35	38
Unemployment rate	4.9	4.5	8.8	6.0	2.7	5.0	4.6	4.8	12.0	13.4	9.5	9.5
35 to 39 years												
Civilian noninstitutional population	1,861	2,335	182	238	54	97	3,286	3,203	518	494	290	307
Civilian labor force	1,816	2,274	173	229	50	91	3,159	3,056	466	426	277	287
Employed	1,748	2,181	154	210	46	85	3,051	2,967	416	394	254	274
Unemployed	68	93	19	19	4	6	108	89	50	32	23	13
Unemployment rate	3.7	4.1	11.0	8.3	(1)	6.6	3.4	2.9	10.7	7.5	8.3	4.5

¹ Percent not shown where base is less than 80,000.

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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 area						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	III 1980	III 1981	III 1980	III 1981	III 1981	III 1980	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981
TOTAL												
Civilian noninstitutional population	111,689	113,219	46,439	46,401	65,251	66,818	52,785	53,489	4,594	4,355	48,189	49,134
Civilian labor force	72,862	73,832	29,401	29,091	43,461	44,742	33,086	33,549	3,034	2,905	30,052	30,644
Percent of population	65.2	65.2	63.3	62.7	66.6	67.0	62.7	62.7	66.0	66.7	62.4	62.4
Employed	67,370	68,483	26,708	26,516	40,662	41,967	30,616	31,105	2,942	2,826	27,674	28,279
Unemployed	5,491	5,349	2,692	2,574	2,799	2,775	2,470	2,444	92	79	2,378	2,365
Unemployment rate	7.5	7.2	9.2	8.8	6.4	6.2	7.5	7.3	3.0	2.7	7.9	7.7
Not in labor force	3,882	39,386	17,037	17,311	21,790	22,075	19,700	19,941	1,560	1,450	18,140	18,491
Males, 20 years and over												
Civilian noninstitutional population	47,262	48,171	19,323	19,466	27,939	28,705	22,500	22,814	2,098	1,995	20,402	20,819
Civilian labor force	38,119	38,635	15,019	14,977	23,101	23,657	17,527	17,644	1,738	1,652	15,789	15,992
Percent of population	80.7	80.2	77.7	76.9	82.7	82.4	77.9	77.3	82.9	82.8	77.4	76.8
Employed	35,728	36,454	13,820	13,915	21,908	22,539	16,500	16,697	1,702	1,630	14,798	15,067
Unemployed	2,391	2,181	1,197	1,062	1,193	1,118	1,027	947	36	22	991	925
Unemployment rate	6.3	5.6	8.0	7.1	5.2	4.7	5.9	5.4	2.1	1.3	6.3	5.8
Not in labor force	9,143	9,536	4,305	4,488	4,837	5,048	4,974	5,171	360	343	4,614	4,828
Females, 20 years and over												
Civilian noninstitutional population	53,556	54,460	22,822	22,891	30,734	31,570	24,921	25,391	1,965	1,883	22,956	23,508
Civilian labor force	27,990	28,810	11,851	11,883	16,139	16,927	12,071	12,542	925	911	11,146	11,631
Percent of population	52.3	52.9	51.9	51.9	52.5	53.6	48.4	49.4	47.1	48.4	48.6	49.5
Employed	26,146	26,803	10,954	10,896	15,192	15,908	11,174	11,629	897	878	10,277	10,751
Unemployed	1,843	2,006	895	988	948	1,019	897	913	27	33	870	880
Unemployment rate	6.6	7.0	7.6	8.3	5.9	6.0	7.4	7.3	3.0	3.6	7.8	7.6
Not in labor force	25,566	25,650	10,972	11,008	14,594	14,643	12,850	12,849	1,040	972	11,810	11,877
Both sexes, 16-19 years												
Civilian noninstitutional population	10,872	10,587	4,294	4,044	6,578	6,544	5,364	5,284	531	477	4,833	4,807
Civilian labor force	6,753	6,387	2,533	2,229	4,220	4,158	3,488	3,363	371	342	3,117	3,021
Percent of population	62.1	60.3	59.0	55.1	64.2	63.5	65.0	63.6	69.9	71.6	64.5	62.8
Employed	5,496	5,225	1,933	1,704	3,564	3,521	2,941	2,779	343	317	2,598	2,462
Unemployed	1,257	1,162	600	525	658	637	547	584	28	24	519	560
Unemployment rate	18.6	18.2	23.7	23.6	15.6	15.3	15.7	17.4	7.5	7.2	16.7	18.5
Not in labor force	4,119	4,200	1,761	1,815	2,358	2,385	1,876	1,921	160	136	1,716	1,785
White												
Civilian noninstitutional population	95,744	96,874	35,280	35,091	60,464	61,782	48,163	48,711	4,311	4,126	43,852	44,585
Civilian labor force	62,736	63,633	22,540	22,346	40,196	41,288	30,311	30,723	2,874	2,782	27,437	27,941
Percent of population	65.5	65.7	63.9	63.7	66.5	66.8	62.9	63.1	66.7	67.4	62.6	62.7
Employed	58,659	59,805	20,887	20,868	37,772	38,936	28,229	28,675	2,799	2,715	25,430	25,960
Unemployed	4,077	3,828	1,653	1,476	2,424	2,351	2,082	2,048	75	67	2,007	1,981
Unemployment rate	6.5	6.0	7.3	6.6	6.0	5.7	6.9	6.7	2.6	2.4	7.3	7.1
Not in labor force	33,008	33,241	12,741	12,746	20,267	20,494	17,852	17,988	1,437	1,344	16,415	16,644
Black and other												
Civilian noninstitutional population	15,946	16,345	11,158	11,310	4,787	5,035	4,622	4,779	283	229	4,339	4,550
Civilian labor force	10,126	10,199	6,862	6,745	3,264	3,454	2,774	2,826	160	123	2,614	2,703
Percent of population	63.5	62.4	61.5	59.6	68.2	68.6	60.0	59.1	56.6	53.6	60.2	59.4
Employed	8,711	8,678	5,822	5,648	2,890	3,031	2,386	2,430	144	111	2,242	2,319
Unemployed	1,415	1,521	1,041	1,098	374	424	388	396	17	12	371	384
Unemployment rate	14.0	14.9	15.2	16.3	11.5	12.3	14.0	14.0	10.3	9.8	14.2	14.2
Not in labor force	5,820	6,146	4,297	4,564	1,523	1,581	1,848	1,953	123	106	1,725	1,847

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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 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981
TOTAL												
Civilian noninstitutional population	29,185	29,249	135,290	137,459	11,130	11,129	100,559	102,090	18,055	18,121	34,731	35,369
Civilian labor force	16,630	16,684	89,317	90,697	6,096	6,099	66,766	67,734	10,534	10,585	22,551	22,963
Percent of population ...	57.0	57.0	66.0	66.0	54.8	54.8	66.4	66.3	58.3	58.4	64.9	64.9
Employed	14,902	14,961	83,085	84,626	5,228	5,238	62,143	63,245	9,674	9,723	20,942	21,381
Unemployed	1,729	1,722	6,233	6,071	868	860	4,623	4,489	860	862	1,609	1,582
Unemployment rate	10.4	10.3	7.0	6.7	14.2	14.1	6.9	6.6	8.2	8.1	7.1	6.9
Not in labor force	12,555	12,565	45,973	46,762	5,034	5,030	33,793	34,356	7,520	7,535	12,179	12,406
White												
Civilian noninstitutional population	20,552	20,536	123,354	125,048	5,578	5,667	90,166	91,207	14,975	14,869	33,189	33,842
Civilian labor force	11,970	12,042	81,077	82,315	3,151	3,251	59,585	66,382	8,819	8,790	21,492	21,933
Percent of population ...	58.2	58.6	65.7	65.8	56.5	57.4	66.1	66.2	58.9	59.1	64.8	64.8
Employed	11,046	11,163	75,843	77,317	2,825	2,966	55,834	56,839	8,221	8,197	20,009	20,478
Unemployed	924	879	5,234	4,997	326	286	3,751	3,542	598	593	1,484	1,455
Unemployment rate	7.7	7.3	6.5	6.1	10.4	8.8	6.3	5.9	6.8	6.7	6.9	6.6
Not in labor force	8,583	8,495	42,277	42,734	2,427	2,416	30,581	30,825	6,156	6,079	11,696	11,909
Black and other												
Civilian noninstitutional population	8,633	8,713	11,935	12,410	5,553	5,462	10,393	10,883	3,080	3,252	1,542	1,527
Civilian labor force	4,661	4,642	8,240	8,382	2,945	2,847	7,181	7,352	1,716	1,795	1,059	1,030
Percent of population ...	54.0	53.3	69.0	67.5	53.0	52.1	69.1	67.6	55.7	55.2	68.7	67.5
Employed	3,856	3,799	7,242	7,309	2,403	2,273	6,309	6,405	1,453	1,526	933	904
Unemployed	805	843	998	1,073	542	574	872	947	262	269	126	127
Unemployment rate	17.3	18.2	12.1	12.8	18.4	20.2	12.1	12.9	15.3	15.0	11.9	12.3
Not in labor force	3,972	4,071	3,695	4,028	2,608	2,615	3,212	3,531	1,365	1,456	483	497

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 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981	III 1980	III 1981
TOTAL												
Both sexes, 16 years and over	10.4	10.3	7.0	6.7	14.2	14.1	6.9	6.6	8.2	8.1	7.1	6.9
Males, 20 years and over	8.2	8.0	5.8	5.1	11.7	11.6	5.8	5.1	6.3	6.0	5.6	5.1
Females, 20 years and over	9.6	10.1	6.3	6.5	12.0	13.4	6.1	6.4	8.1	8.0	7.1	6.9
Both sexes, 16-19 years	24.5	24.2	16.2	16.7	35.9	31.6	16.9	17.0	18.0	20.3	14.7	16.1
White												
Both sexes, 16 years and over	7.7	7.3	6.5	6.1	10.4	8.8	6.3	5.9	6.8	6.7	6.9	6.6
Males, 20 years and over	6.2	5.8	5.9	4.6	8.6	7.5	5.2	4.5	5.3	5.1	5.4	4.9
Females, 20 years and over	7.3	6.9	5.3	5.9	8.9	8.0	5.6	5.6	6.7	6.5	6.9	6.7
Both sexes, 16-19 years	17.9	18.2	14.9	15.1	27.0	21.9	15.3	14.9	15.0	17.0	14.0	15.5
Black and other												
Both sexes, 16 years and over	17.3	18.2	12.1	12.8	18.4	20.2	12.1	12.9	15.3	15.0	11.9	12.3
Males, 20 years and over	14.5	15.1	10.9	10.2	15.8	17.5	11.1	10.4	12.3	11.4	10.0	9.0
Females, 20 years and over	14.5	16.7	9.7	11.6	14.6	18.4	9.7	11.5	14.4	14.1	10.1	12.2
Both sexes, 16-19 years	39.7	38.3	31.3	36.0	43.4	40.1	31.8	37.4	32.6	35.4	28.2	28.4

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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 1980					III 1981				
	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	59,383	6,314	26.6	73.4	65.5	59,981	6,083	27.0	73.0	65.2
With children under 18 years of age	30,254	3,953	27.1	72.9	65.1	30,440	3,780	28.0	72.0	64.3
Married-couple families	48,150	4,717	20.2	79.8	72.6	48,446	4,367	18.6	81.4	74.3
With children under 18 years of age	24,037	3,003	19.5	80.5	73.3	23,983	2,751	17.3	82.7	75.4
Families maintained by females	8,840	1,279	48.2	51.8	40.7	9,169	1,412	50.3	49.7	39.4
With children under 18 years of age	5,373	822	53.5	46.5	35.9	5,612	920	58.2	42.0	32.5
Families maintained by males	2,392	318	34.9	65.1	60.7	2,366	305	38.8	61.2	54.3
With children under 18 years of age	844	127	38.0	62.0	60.5	846	108	43.0	57.0	50.5
White										
Total families	52,039	4,967	24.7	75.3	67.9	52,427	4,641	24.3	75.7	68.1
With children under 18 years of age	25,827	3,081	24.8	75.2	67.9	25,906	2,836	24.2	75.8	68.0
Married-couple families	43,901	4,005	20.1	79.9	72.7	44,146	3,641	18.3	81.7	74.7
With children under 18 years of age	21,614	2,536	19.4	80.6	73.3	21,504	2,258	16.8	83.2	76.0
Families maintained by females	6,194	737	47.4	52.6	43.6	6,346	782	47.8	52.1	40.8
With children under 18 years of age	3,521	445	53.5	46.5	38.2	3,695	492	55.3	44.7	33.7
Families maintained by males	1,944	225	33.0	67.0	61.7	1,936	218	39.0	61.0	55.0
With children under 18 years of age	691	100	35.6	64.4	62.4	707	86	41.9	58.1	51.2
Black										
Total families	6,369	1,231	34.3	65.7	56.1	6,526	1,321	36.5	63.5	55.0
With children under 18 years of age	3,864	798	35.8	64.2	54.4	3,917	868	40.1	59.9	52.8
Married-couple families	3,496	632	20.6	79.4	72.0	3,518	637	20.4	79.6	71.9
With children under 18 years of age	1,961	413	19.6	80.4	73.4	1,991	437	20.1	79.9	72.8
Families maintained by females	2,491	518	50.0	50.0	36.9	2,646	605	53.3	46.7	37.7
With children under 18 years of age	1,763	360	53.8	46.2	33.1	1,808	410	61.6	38.4	31.1
Families maintained by males	382	82	41.5	58.5	57.3	362	79	38.0	62.0	51.9
With children under 18 years of age	139	25	(1)	(1)	(1)	118	21	(1)	(1)	(1)
Hispanic origin										
Total families	3,178	495	29.8	70.2	63.8	3,308	469	31.6	68.4	60.9
With children under 18 years of age	2,154	352	29.6	70.4	63.8	2,231	325	34.0	66.0	59.8
Married-couple families	2,350	371	24.0	76.0	69.8	2,450	318	23.7	76.3	71.6
With children under 18 years of age	1,593	281	24.3	75.7	69.6	1,664	239	22.6	77.4	73.2
Families maintained by females	651	87	59.8	40.2	32.2	674	117	53.4	46.6	33.6
With children under 18 years of age	491	53	(1)	(1)	(1)	502	76	64.5	35.5	25.0
Families maintained by males	177	37	(1)	(1)	(1)	184	34	(1)	(1)	(1)
With children under 18 years of age	70	18	(1)	(1)	(1)	65	10	(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 1980				III 1981			
	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	7,961	38.9	61.1	54.3	7,793	39.0	61.0	54.3
In families	6,865	29.2	70.8	63.0	6,681	28.8	71.2	63.4
Husbands	1,655	46.2	53.8	41.7	1,402	43.7	56.3	43.9
With children under 18 years of age	1,058	49.4	50.6	37.4	883	46.2	53.8	40.5
Wives	1,483	15.2	84.8	79.3	1,423	14.6	85.4	80.5
With children under 18 years of age	945	13.2	86.8	81.8	891	12.3	87.7	82.6
Relatives in married-couple families	1,954	8.7	91.3	87.1	1,917	8.6	91.4	86.5
Females who maintain families	471	76.8	23.2	15.2	587	81.1	18.9	10.7
With children under 18 years of age	381	83.7	16.3	9.0	492	86.7	13.3	6.1
Relatives in families maintained by females	956	36.3	63.7	51.1	1,021	32.4	67.6	56.4
Males who maintain families	111	71.5	28.5	23.6	117	64.3	35.7	30.5
With children under 18 years of age	47	(2)	(2)	(2)	48	(2)	(2)	(2)
Relatives in families maintained by males	235	22.6	77.4	73.0	214	27.5	72.5	65.4
Not in families ¹	1,096	—	—	—	1,112	—	—	—
White								
Total unemployed	6,159	37.1	62.9	56.5	5,876	36.7	63.3	56.8
In families	5,321	27.2	72.8	65.4	5,020	26.0	74.0	66.5
Husbands	1,401	46.7	53.3	40.7	1,152	43.5	56.5	43.2
With children under 18 years of age	883	50.1	49.9	36.1	704	46.1	53.9	39.4
Wives	1,275	14.4	85.6	80.0	1,195	13.2	86.8	82.0
With children under 18 years of age	796	12.6	87.4	82.3	733	10.1	89.9	85.0
Relatives in married-couple families	1,614	8.3	91.7	88.0	1,588	8.0	92.0	87.9
Females who maintain families	286	76.2	23.8	16.2	329	77.8	22.2	11.8
With children under 18 years of age	224	83.6	16.4	9.6	266	83.6	16.4	6.6
Relatives in families maintained by females	500	33.7	66.3	56.4	523	31.0	69.0	57.7
Males who maintain families	74	69.7	30.3	25.1	86	65.8	34.2	30.4
With children under 18 years of age	36	(2)	(2)	(2)	38	(2)	(2)	(2)
Relatives in families maintained by males	171	21.6	78.4	72.8	148	28.8	71.2	65.5
Not in families ¹	838	—	—	—	856	—	—	—
Black								
Total unemployed	1,630	45.8	54.2	46.0	1,744	46.3	53.7	46.3
In families	1,397	36.8	63.2	53.6	1,513	38.1	61.9	53.4
Husbands	222	42.9	57.1	46.4	223	44.1	55.9	48.2
With children under 18 years of age	154	44.2	55.8	44.4	160	46.0	54.0	46.9
Wives	170	20.2	79.8	75.0	188	23.5	76.5	71.6
With children under 18 years of age	122	17.0	83.0	77.8	134	23.5	76.5	70.0
Relatives in married-couple families	301	11.4	88.6	82.8	286	10.8	89.2	79.3
Females who maintain families	175	78.7	21.3	13.5	245	85.2	14.8	9.4
With children under 18 years of age	149	84.8	15.2	7.9	214	90.4	9.6	5.7
Relatives in families maintained by females	438	39.2	60.8	45.0	485	33.8	66.2	55.4
Males who maintain families	34	(2)	(2)	(2)	26	(2)	(2)	(2)
With children under 18 years of age	10	(2)	(2)	(2)	8	(2)	(2)	(2)
Relatives in families maintained by males	57	(2)	(2)	(2)	60	22.0	78.0	66.9
Not in families ¹	233	—	—	—	231	—	—	—
Hispanic origin								
Total unemployed	623	38.4	61.6	56.0	570	40.5	59.5	53.2
In families	560	31.5	68.5	62.4	507	33.0	67.0	59.8
Husbands	150	52.9	47.1	38.8	122	51.8	48.2	41.2
With children under 18 years of age	117	54.7	45.3	37.8	92	52.6	47.4	40.1
Wives	90	12.0	88.0	82.1	96	13.5	86.5	78.8
With children under 18 years of age	67	12.3	87.7	83.9	69	11.6	88.4	83.9
Relatives in married-couple families	176	9.3	90.7	86.8	119	7.7	92.3	92.1
Females who maintain families	33	(2)	(2)	(2)	45	(2)	(2)	(2)
With children under 18 years of age	24	(2)	(2)	(2)	35	(2)	(2)	(2)
Relatives in families maintained by females	70	54.7	45.3	38.4	87	38.7	61.3	47.6
Males who maintain families	9	(2)	(2)	(2)	17	(2)	(2)	(2)
With children under 18 years of age	5	(2)	(2)	(2)	7	(2)	(2)	(2)
Relatives in families maintained by males	32	(2)	(2)	(2)	21	(2)	(2)	(2)
Not in families ¹	63	—	—	—	63	—	—	—

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 1980			III 1981				
	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	97,986	37.6	62.4	53.6	99,588	37.3	62.7	54.0
In families	83,092	26.5	73.5	63.3	84,357	26.0	74.0	63.7
Husbands	37,383	37.9	62.1	46.3	37,541	37.0	63.0	46.9
With children under 18 years of age	21,980	40.4	59.6	41.2	22,032	39.6	60.4	41.7
Wives	22,211	9.4	90.6	86.0	22,746	9.1	90.9	86.5
With children under 18 years of age	11,744	5.4	94.6	90.9	12,090	5.2	94.8	91.2
Relatives in married-couple families	12,257	5.4	94.6	91.0	12,606	5.5	94.5	90.9
Females who maintain families	4,647	64.1	35.9	25.7	4,841	65.2	34.8	24.1
With children under 18 years of age	3,090	75.4	24.6	14.2	3,244	77.1	22.9	12.9
Relatives in families maintained by females	3,648	26.7	73.3	62.2	3,673	27.2	72.8	62.5
Males who maintain families	1,735	56.1	43.9	34.1	1,667	54.0	46.0	34.5
With children under 18 years of age	719	67.0	33.0	21.7	724	66.2	33.8	20.2
Relatives in families maintained by males	1,211	13.5	86.5	79.3	1,283	16.4	83.6	77.7
Not in families ¹	14,894	--	--	--	15,231	--	--	--
White								
Total employed	86,868	37.3	62.7	53.8	88,480	36.8	63.2	54.3
In families	73,804	26.2	73.8	63.3	75,105	25.5	74.5	63.9
Husbands	34,251	38.6	61.4	45.2	34,401	37.5	62.5	45.9
With children under 18 years of age	19,910	41.4	58.6	39.5	19,958	40.4	59.6	40.1
Wives	19,852	8.8	91.2	86.6	20,428	8.6	91.4	87.1
With children under 18 years of age	10,299	4.8	95.2	91.7	10,649	4.7	95.3	92.0
Relatives in married-couple families	11,151	5.3	94.7	91.3	11,518	5.3	94.7	91.3
Females who maintain families	3,412	62.5	37.5	26.8	3,531	63.2	36.8	24.9
With children under 18 years of age	2,211	74.9	25.1	13.9	2,340	75.8	24.2	13.0
Relatives in families maintained by females	2,707	27.3	72.7	62.4	2,768	27.3	72.7	62.4
Males who maintain families	1,443	55.7	44.3	33.8	1,402	53.7	46.3	34.2
With children under 18 years of age	605	65.9	34.1	21.5	624	64.5	35.5	20.9
Relatives in families maintained by males	988	13.2	86.3	80.1	1,057	15.4	84.6	78.8
Not in families ¹	13,084	--	--	--	13,375	--	--	--
Black								
Total employed	9,231	41.7	58.3	50.7	9,229	43.0	57.0	49.8
In families	7,681	29.9	70.1	61.0	7,645	31.2	68.8	60.1
Husbands	2,531	30.0	70.0	57.9	2,523	31.1	68.9	57.9
With children under 18 years of age	1,659	29.8	70.2	58.1	1,645	30.8	69.2	58.9
Wives	1,865	15.0	85.0	79.6	1,836	15.0	85.0	79.2
With children under 18 years of age	1,146	10.1	89.9	84.8	1,146	11.0	89.0	83.6
Relatives in married-couple families	839	7.5	92.5	87.1	830	7.8	92.2	84.7
Females who maintain families	1,150	69.0	31.0	22.7	1,217	71.3	28.7	21.4
With children under 18 years of age	834	76.6	23.4	15.2	848	81.0	19.0	12.2
Relatives in families maintained by females	876	25.6	74.4	60.8	836	27.6	72.4	61.5
Males who maintain families	243	60.8	39.2	32.3	226	55.5	44.5	35.1
With children under 18 years of age	104	73.9	26.1	20.3	87	77.3	22.7	14.6
Relatives in families maintained by males	177	17.9	82.1	73.5	177	22.6	77.4	70.8
Not in families ¹	1,550	--	--	--	1,584	--	--	--
Hispanic origin								
Total employed	5,062	39.9	60.1	53.2	5,244	38.2	61.8	54.1
In families	4,344	30.0	70.0	62.0	4,547	28.7	71.3	62.4
Husbands	1,900	44.3	55.7	44.8	2,010	41.8	58.2	47.1
With children under 18 years of age	1,379	47.1	52.9	41.1	1,452	44.5	55.5	43.6
Wives	991	9.0	91.0	85.6	1,051	8.4	91.6	85.2
With children under 18 years of age	642	6.5	93.5	88.4	716	6.7	93.3	87.6
Relatives in married-couple families	719	6.2	93.8	88.0	726	5.7	94.3	89.5
Females who maintain families	265	75.3	24.7	20.7	277	68.9	31.1	22.4
With children under 18 years of age	201	84.4	15.6	11.6	198	79.9	20.1	12.4
Relatives in families maintained by females	177	25.5	74.5	64.2	220	26.3	73.7	62.4
Males who maintain families	151	50.9	49.1	43.3	139	51.0	49.0	35.0
With children under 18 years of age	60	63.7	36.3	34.1	50	(2)	(2)	(2)
Relatives in families maintained by males	140	3.4	96.6	91.4	123	11.7	88.3	78.6
Not in families ¹	718	--	--	--	697	--	--	--

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 1980	II 1981	II 1980	II 1981	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Total families with earners ¹	40,293	40,897	\$399	\$431	8.0	-1.6
Married-couple families	33,257	33,362	431	468	8.6	-1.1
One earner	14,444	14,297	308	332	7.8	-1.7
Husband	11,854	11,712	339	371	9.4	-0.3
Wife	2,001	2,001	162	178	9.8	--
Other family member	589	584	160	181	13.4	3.3
Two or more earners	18,812	19,065	530	576	8.7	-0.9
Husband and wife	15,841	16,225	534	579	8.6	-1.1
Husband and other family member(s)	2,381	2,259	555	600	8.2	-1.4
Wife and other family member(s)	457	442	349	367	5.2	-4.1
Other family members only	133	140	318	419	31.8	20.1
Families maintained by females	5,494	5,755	224	241	7.6	-2.0
One earner	3,883	4,098	186	199	6.9	-2.6
Householder	3,012	3,268	190	203	7.1	-2.5
Other family member	871	830	170	184	8.0	-1.5
Two or more earners	1,611	1,657	361	392	8.8	-0.8
Families maintained by males	1,542	1,780	356	374	5.2	-4.2
One earner	968	1,131	284	311	9.6	-0.1
Two or more earners	574	649	468	530	13.2	3.1
White						
Total families with earners ¹	35,336	35,737	411	442	7.8	-1.8
Married-couple families	29,980	30,036	436	474	8.7	-1.0
One earner	13,117	13,009	316	342	8.3	-1.4
Husband	10,936	10,780	345	379	9.8	--
Wife	1,688	1,716	163	179	9.3	-0.4
Two or more earners	16,863	17,027	537	583	8.7	-0.9
Husband and wife	14,181	14,461	538	587	8.9	-0.7
Families maintained by females	4,101	4,228	234	250	7.0	-2.5
Families maintained by males	1,255	1,473	369	392	6.2	-3.2
Black						
Total families with earners ¹	4,306	4,453	295	322	9.1	-0.5
Married-couple families	2,750	2,768	348	401	15.0	4.8
One earner	1,145	1,077	219	229	4.1	-5.1
Husband	795	770	256	254	-0.7	-9.6
Wife	286	249	155	173	11.4	1.5
Two or more earners	1,605	1,691	462	512	10.9	1.0
Husband and wife	1,369	1,470	478	514	7.6	-1.9
Families maintained by females	1,297	1,411	190	212	11.8	1.8
Families maintained by males	258	274	315	299	-4.9	-13.4
Hispanic origin						
Total families with earners ¹	2,303	2,435	326	362	11.2	1.3
Married-couple families	1,841	1,913	348	396	13.9	3.8
One earner	892	910	237	262	10.5	0.7
Husband	752	791	261	294	12.8	2.8
Wife	105	80	147	(2)	--	--
Two or more earners	949	1,002	459	490	6.7	-2.8
Husband and wife	749	815	460	502	9.2	-0.5
Families maintained by females	314	356	211	198	-5.8	-14.2
Families maintained by males	148	167	317	335	5.6	-3.8

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 1980	II 1981	II 1980	II 1981	Percent change over the year in:	
					Current dollars	Constant dollars
Married-couple families ¹	3,066	3,220	\$308	\$344	11.9	2.0
Husband unemployed	893	834	171	184	7.4	-2.1
Wife only earner	678	634	161	172	6.9	-2.6
Wife and other earner(s)	114	116	321	347	8.2	-1.4
Other earner(s) only	102	84	147	(2)	--	--
Wife unemployed	924	1,007	307	\$316	2.9	-6.2
Husband only earner	795	859	290	294	1.5	-7.6
Husband and other earner(s)	115	127	467	605	29.4	17.9
Other earner(s) only	15	21	(2)	(2)	--	--
Other member(s) unemployed	1,249	1,379	488	518	6.1	-3.3
Husband or wife earner	590	643	370	410	10.8	.9
Both husband and wife earners	624	692	575	632	10.0	.2
Other combinations of earners	35	44	(2)	(2)	--	--
Families maintained by females ¹	593	636	221	221	.3	-8.6
Householder unemployed	65	66	(2)	(2)	--	--
Other member(s) unemployed	518	570	\$230	\$226	-2.1	-10.8
Families maintained by males ¹	179	198	304	304	--	-8.9

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.

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 1980	II 1981	II 1980	II 1981	Percent change over the year in :	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 16 years and over	69,974	71,160	\$261	\$285	9.2	-0.5
Males, 16 years and over	42,679	43,322	317	344	8.4	-1.3
16 to 24 years	7,673	7,534	211	225	6.3	-3.1
25 years and over	34,997	35,819	341	374	9.7	-.1
Females, 16 years and over	27,304	27,838	200	221	10.4	.6
16 to 24 years	6,037	5,824	171	181	6.1	-3.3
25 years and over	21,217	22,014	214	234	9.2	-.3
FAMILY RELATIONSHIP						
Husbands	29,700	29,845	344	379	10.1	.3
Wives	14,165	14,343	205	227	10.6	.8
Others in married-couple families	6,511	6,410	183	194	6.2	-3.2
Females who maintain families	3,721	3,927	205	227	10.3	.5
Others in such families	2,235	2,223	190	203	6.8	-2.7
Males who maintain families	1,263	1,460	302	344	14.2	4.0
Others in such families	797	844	197	201	2.0	-7.1
All other males ¹	6,171	6,515	290	314	8.2	-1.4
All other females ¹	5,412	5,588	216	238	10.4	.6
RACE AND HISPANIC ORIGIN						
White	61,505	62,470	268	293	9.3	-.4
Males	38,069	38,624	324	353	8.9	-.8
Females	23,435	23,846	203	223	10.3	.5
Black	7,193	7,318	217	234	9.0	-1.6
Males	3,907	3,970	248	267	7.7	-1.8
Females	3,286	3,348	187	206	10.5	.7
Hispanic origin	3,892	4,099	211	230	9.1	-.6
Males	2,484	2,628	237	257	8.4	-1.2
Females	1,408	1,471	175	190	8.4	-1.2

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 1980	II 1981	II 1980	II 1981	Percent change over the year in:	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 16 years and over	15,550	16,030	\$74	\$80	8.6	-1.1
Males, 16 years and over	4,999	4,915	70	76	7.9	-1.7
16 to 24 years	3,173	3,082	63	67	7.3	-2.2
25 years and over	1,827	1,833	91	102	11.8	1.9
Females, 16 years and over	10,551	11,115	75	82	8.5	-1.2
16 to 24 years	3,481	3,765	62	66	7.3	-2.2
25 years and over	7,070	7,350	83	92	11.3	1.4
FAMILY RELATIONSHIP						
Husbands	1,276	1,289	91	101	10.4	.6
Wives	5,718	6,012	84	93	10.8	1.0
Others in married-couple families	4,546	4,565	61	64	5.6	-2.9
Females who maintain families	703	831	81	90	11.4	1.5
Others in such families	1,044	1,000	61	66	8.0	-1.6
Males who maintain families	66	84	(2)	(2)	--	--
Others in such families	276	310	73	66	-10.1	-18.1
All other males ¹	694	655	95	104	9.6	-0.1
All other females ¹	1,228	1,285	76	84	9.8	.1
RACE AND HISPANIC ORIGIN						
White	13,859	14,301	74	80	8.0	-1.5
Males	4,387	4,321	70	75	7.2	-2.3
Females	9,471	9,980	76	81	7.8	-1.8
Black	1,420	1,464	73	82	12.3	2.3
Males	516	500	75	83	10.4	.6
Females	905	964	71	82	14.6	4.4
Hispanic origin	685	723	80	84	4.9	-4.4
Males	268	264	82	81	-1.1	-9.9
Females	416	459	80	88	10.0	.2

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 1980	II 1981	II 1980	II 1981	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Professional and technical workers	12,005	12,377	\$335	\$368	9.9	0.1
Managers and administrators, except farm	7,244	7,643	372	409	9.8	--
Sales workers	3,302	3,574	265	301	13.5	3.4
Clerical workers	13,861	13,770	211	230	9.4	-3.3
Craft and kindred workers	10,675	10,767	324	347	7.2	-2.4
Operatives, except transport	9,066	9,087	226	243	7.4	-2.2
Transport equipment operatives	2,774	2,800	281	299	6.4	-3.0
Nonfarm laborers	3,271	3,209	219	236	8.0	-1.6
Service workers	6,992	7,165	177	189	6.4	-3.0
Farm workers	785	769	164	179	9.1	-0.6
Males						
Professional and technical workers	6,840	7,136	401	432	7.6	-1.9
Managers and administrators, except farm	5,288	5,480	431	459	5.5	-3.0
Sales workers	2,213	2,420	325	351	7.8	-1.7
Clerical workers	3,067	2,947	303	329	3.5	-1.2
Craft and kindred workers	10,148	10,209	330	354	7.2	-2.3
Operatives, except transport	5,558	5,553	275	304	5.5	.6
Transport equipment operatives	2,652	2,663	286	302	5.7	-3.7
Nonfarm laborers	2,926	2,893	226	241	6.8	-2.7
Service workers	3,321	3,346	222	234	5.2	-4.1
Farm workers	659	675	170	183	7.7	-1.9
Females						
Professional and technical workers	5,165	5,241	280	309	10.3	.5
Managers and administrators, except farm	1,956	2,163	247	273	10.4	.6
Sales workers	1,090	1,154	176	188	7.1	-2.4
Clerical workers	10,794	10,822	196	217	10.9	1.0
Craft and kindred workers	527	558	203	229	12.5	2.5
Operatives, except transport	3,508	3,534	172	188	9.2	-0.5
Transport equipment operatives	122	136	192	263	37.3	25.1
Nonfarm laborers	345	316	174	200	14.6	4.5
Service workers	3,671	3,819	149	164	10.2	.4
Farm workers	126	93	140	{1}	--	--

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

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

B-1. Employees on nonagricultural payrolls by industry division, 1930 to date

(In thousands)

Year and month	Goods-producing										Service-producing						
	Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government					
							Total	Wholesale trade	Retail trade			Total	Federal	State and local			
Annual averages																	
1930.....	29,409	11,958	1,009	1,387	9,562	17,451	3,685	5,797	-	-	1,460	3,361	3,148	526	2,622		
1931.....	26,635	10,272	873	1,229	8,170	16,363	3,254	5,284	-	-	1,392	3,169	3,264	560	2,704		
1932.....	23,615	8,647	731	985	6,931	14,968	2,816	4,683	-	-	1,326	2,918	3,225	559	2,666		
1933.....	23,699	8,965	744	824	7,397	14,734	2,672	4,755	-	-	1,280	2,861	3,166	565	2,601		
1934.....	25,940	10,261	883	877	8,501	15,679	2,750	5,281	-	-	1,304	3,045	3,299	652	2,647		
1935.....	27,039	10,893	897	927	9,069	16,146	2,786	5,431	-	-	1,320	3,128	3,481	753	2,728		
1936.....	29,068	11,933	946	1,160	9,827	17,135	2,973	5,809	-	-	1,373	3,312	3,668	826	2,842		
1937.....	31,011	12,936	1,015	1,127	10,794	18,075	3,134	6,265	-	-	1,417	3,503	3,756	833	2,923		
1938.....	29,194	11,401	891	1,070	9,440	17,793	2,863	6,179	-	-	1,410	3,458	3,883	829	3,054		
1939.....	30,603	12,297	854	1,165	10,278	18,306	2,936	6,426	1,762	4,664	1,447	3,502	3,995	905	3,090		
1940.....	32,361	13,221	925	1,311	10,985	19,140	3,038	6,750	1,835	4,914	1,485	3,665	4,202	996	3,206		
1941.....	36,539	15,963	957	1,814	13,192	20,574	3,274	7,210	1,960	5,251	1,525	3,905	4,660	1,340	3,320		
1942.....	40,106	18,470	992	2,198	15,280	21,636	3,460	7,118	1,906	5,212	1,509	4,066	5,483	2,213	3,270		
1943.....	42,434	20,114	925	1,587	17,602	22,320	3,647	6,982	1,822	5,160	1,481	4,130	6,080	2,905	3,175		
1944.....	41,864	19,328	892	1,108	17,328	22,536	3,829	7,058	1,845	5,214	1,461	4,145	6,043	2,928	3,116		
1945.....	40,374	17,507	836	1,147	15,524	22,867	3,906	7,314	1,949	5,365	1,481	4,222	5,944	2,808	3,137		
1946.....	41,652	17,248	862	1,683	14,703	24,404	4,061	8,376	2,291	6,084	1,675	4,697	5,595	2,254	3,341		
1947.....	43,857	18,509	955	2,009	15,545	25,348	4,166	8,955	2,471	6,485	1,728	5,025	5,474	1,892	3,582		
1948.....	44,866	18,774	994	2,198	15,582	26,092	4,189	9,272	2,605	6,667	1,800	5,181	5,650	1,863	3,787		
1949.....	43,754	17,565	930	2,194	14,441	26,189	4,001	9,264	2,602	6,662	1,828	5,240	5,856	1,908	3,948		
1950.....	45,197	18,506	901	2,364	15,241	26,691	4,034	9,386	2,635	6,751	1,888	5,357	6,026	1,928	4,098		
1951.....	47,819	19,959	929	2,637	16,393	27,860	4,226	9,742	2,727	7,015	1,956	5,547	6,389	2,302	4,087		
1952.....	48,793	20,198	898	2,668	16,632	28,595	4,248	10,004	2,812	7,192	2,035	5,699	6,609	2,420	4,188		
1953.....	50,202	21,074	866	2,659	17,549	29,128	4,290	10,247	2,854	7,393	2,111	5,835	6,645	2,305	4,340		
1954.....	48,990	19,751	791	2,646	16,314	29,239	4,084	10,235	2,867	7,368	2,200	5,969	6,751	2,188	4,563		
1955.....	50,641	20,513	792	2,839	16,882	30,128	4,141	10,535	2,926	7,610	2,298	6,240	6,914	2,187	4,727		
1956.....	52,369	21,104	822	3,039	17,243	31,266	4,244	10,858	3,018	7,840	2,389	6,497	7,278	2,209	5,069		
1957.....	52,853	20,964	828	2,962	17,174	31,889	4,241	10,886	3,028	7,858	2,438	6,708	7,616	2,217	5,399		
1958.....	51,324	19,513	751	2,817	15,945	31,811	3,976	10,750	2,980	7,770	2,481	6,765	7,839	2,191	5,648		
1959 ¹	53,268	20,411	732	3,004	16,675	32,857	4,011	11,127	3,082	8,045	2,549	7,087	8,083	2,233	5,850		
1960.....	54,189	20,434	712	2,926	16,796	33,755	4,004	11,391	3,143	8,248	2,629	7,378	8,353	2,270	6,083		
1961.....	53,999	19,857	672	2,859	16,326	34,142	3,903	11,337	3,133	8,204	2,688	7,620	8,594	2,279	6,315		
1962.....	55,549	20,451	650	2,948	16,853	35,098	3,906	11,566	3,198	8,368	2,754	7,982	8,890	2,340	6,550		
1963.....	56,653	20,640	635	3,010	16,995	36,013	3,903	11,778	3,248	8,530	2,830	8,277	9,225	2,358	6,848		
1964.....	58,283	21,005	634	3,097	17,274	37,278	3,951	12,160	3,337	8,823	2,911	8,660	9,596	2,348	7,248		
1965.....	60,765	21,926	632	3,232	18,062	38,839	4,036	12,716	3,466	9,250	2,977	9,036	10,074	2,378	7,696		
1966.....	63,901	23,158	627	3,317	19,214	40,743	4,158	13,245	3,597	9,648	3,058	9,498	10,784	2,564	8,220		
1967.....	65,803	23,308	613	3,248	19,447	42,495	4,268	13,606	3,689	9,917	3,185	10,045	11,391	2,719	8,672		
1968.....	67,897	23,737	606	3,350	19,781	44,160	4,318	14,099	3,779	10,320	3,337	10,567	11,839	2,737	9,102		
1969.....	70,384	24,361	619	3,575	20,167	46,023	4,442	14,705	3,907	10,798	3,512	11,169	12,195	2,758	9,437		
1970.....	70,880	23,578	623	3,588	19,367	47,302	4,515	15,040	3,993	11,047	3,645	11,548	12,554	2,731	9,823		
1971.....	71,214	22,935	609	3,704	18,623	48,278	4,476	15,352	4,001	11,351	3,772	11,797	12,881	2,696	10,185		
1972.....	73,675	23,668	628	3,889	19,151	50,007	4,541	15,949	4,113	11,836	3,908	12,276	13,334	2,684	10,649		
1973.....	76,790	24,893	642	4,097	20,154	51,897	4,656	16,607	4,277	12,329	4,046	12,857	13,732	2,663	11,068		
1974.....	78,265	24,794	697	4,020	20,077	53,471	4,725	16,987	4,433	12,554	4,148	13,441	14,170	2,724	11,446		
1975.....	76,945	22,600	752	3,525	18,323	54,345	4,542	17,060	4,415	12,645	4,165	13,892	14,686	2,748	11,937		
1976.....	79,382	23,352	779	3,576	18,997	56,030	4,582	17,755	4,546	13,209	4,271	14,551	14,871	2,733	12,139		
1977.....	82,471	24,346	813	3,851	19,682	58,125	4,713	18,516	4,708	13,808	4,467	15,303	15,127	2,727	12,399		
1978.....	86,697	25,585	851	4,229	20,505	61,113	4,923	19,542	4,969	14,573	4,724	16,252	15,672	2,753	12,919		
1979.....	89,823	26,461	958	4,463	21,040	63,363	5,136	20,192	5,204	14,989	4,975	17,112	15,947	2,773	13,174		
1980.....	90,564	25,718	1,020	4,399	20,300	64,847	5,143	20,386	5,281	15,104	5,168	17,901	16,249	2,866	13,383		
Monthly data, seasonally adjusted																	
1980:																	
September...	90,461	25,445	1,023	4,362	20,060	65,016	5,124	20,450	5,290	15,160	5,206	18,043	16,193	2,784	13,409		
October.....	90,668	25,521	1,032	4,379	20,110	65,147	5,129	20,461	5,296	15,165	5,221	18,087	16,249	2,795	13,454		
November....	90,844	25,629	1,052	4,389	20,188	65,215	5,114	20,464	5,296	15,168	5,235	18,160	16,242	2,796	13,446		
December....	90,949	25,631	1,069	4,387	20,175	65,318	5,118	20,470	5,300	15,170	5,254	18,240	16,236	2,800	13,436		
1981:																	
January.....	91,091	25,647	1,083	4,390	20,174	65,444	5,124	20,529	5,305	15,224	5,268	18,300	16,223	2,799	13,424		
February....	91,258	25,657	1,091	4,389	20,177	65,601	5,135	20,600	5,313	15,287	5,283	18,343	16,240	2,795	13,445		
March.....	91,347	25,705	1,098	4,416	20,191	65,642	5,139	20,635	5,316	15,319	5,293	18,371	16,204	2,791	13,423		
April.....	91,458	25,700	950	4,418	20,332	65,758	5,161	20,636	5,333	15,303	5,316	18,475	16,170	2,767	13,403		
May.....	91,564	25,705	957	4,334	20,414	65,859	5,148	20,714	5,346	15,368	5,326	18,540	16,131	2,779	13,352		
June.....	91,615	25,818	1,110	4,284	20,424	65,797	5,149	20,717	5,349	15,368	5,331	18,560	16,040	2,781	13,259		
July.....	91,880	25,939	1,132	4,272	20,535	65,941	5,167	20,796	5,360	15,436	5,344	18,642	15,992	2,777	13,215		
August.. P	91,929	25,941	1,152	4,272	20,517	65,988	5,168	20,871	5,378	15,493	5,354	18,673	15,922	2,770	13,152		
September.. P	91,875	25,949	1,160	4,253</													

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
--	TOTAL	89,969	90,638	91,600	91,626	92,026	-	-	-	-	-
--	PRIVATE SECTOR	74,539	74,797	76,213	76,473	76,600	60,617	60,855	61,814	62,047	62,208
--	MINING	1,024	1,030	1,155	1,170	1,167	758	765	852	864	861
10	METAL MINING	80.5	86.1	102.8	103.1	-	58.1	64.5	76.8	77.3	-
101	Iron ores	19.8	19.6	22.2	22.5	-	15.0	14.9	17.2	17.4	-
102	Copper ores	13.8	20.4	35.6	35.9	-	8.6	15.8	27.1	27.5	-
11, 12	COAL MINING	244.0	247.5	252.8	256.8	-	200.9	204.7	208.6	212.3	-
12	BITUMINOUS COAL AND LIGNITE MINING	240.5	244.1	249.3	253.3	-	197.8	201.6	205.5	209.2	-
13	OIL AND GAS EXTRACTION	574.2	571.7	676.2	687.4	-	400.3	397.9	471.6	479.9	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	233.6	229.8	267.6	269.0	-	108.3	104.7	119.4	119.1	-
138	Oil and gas field services	340.6	341.9	408.6	418.4	-	292.0	293.2	352.2	360.8	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	125.3	124.6	123.1	122.5	-	98.2	97.6	94.5	94.5	-
142	Crushed and broken stone	40.1	39.8	37.8	37.5	-	33.8	33.3	30.9	30.8	-
144	Sand and gravel	37.7	37.3	36.6	35.9	-	-	-	-	-	-
147	Chemical and fertilizer minerals	26.8	26.8	27.6	27.5	-	-	-	-	-	-
--	CONSTRUCTION	4,637	4,613	4,554	4,575	4,495	3,685	3,661	3,577	3,599	3,529
15	GENERAL BUILDING CONTRACTORS	1,277.5	1,263.4	1,249.0	1,249.2	-	990.4	977.4	953.4	953.0	-
152	Residential building construction	627.6	622.8	638.6	632.7	-	468.8	464.9	472.8	466.3	-
153	Operative builders	65.5	64.4	61.3	61.0	-	38.9	38.0	34.8	34.2	-
154	Nonresidential building construction	584.4	576.2	549.1	555.5	-	482.7	474.5	445.8	452.5	-
16	HEAVY CONSTRUCTION CONTRACTORS	1,004.5	997.6	953.5	956.9	-	818.9	810.5	775.7	779.8	-
161	Highway and street construction	315.5	309.9	275.3	273.0	-	273.9	268.6	235.1	232.7	-
162	Heavy construction, except highway	689.0	687.7	678.2	683.9	-	545.0	541.9	540.6	547.1	-
17	SPECIAL TRADE CONTRACTORS	2,355.4	2,351.5	2,351.4	2,369.2	-	1,875.3	1,873.2	1,847.7	1,866.1	-
171	Plumbing, heating, air conditioning	548.5	552.1	556.1	558.2	-	411.5	415.9	411.3	413.0	-
172	Painting, paper hanging, decorating	154.8	150.3	157.2	155.8	-	131.8	128.1	131.4	130.6	-
173	Electrical work	418.8	423.4	419.7	427.0	-	326.9	331.3	323.2	330.6	-
174	Masonry, stonework, and plastering	378.4	374.0	371.4	377.8	-	327.3	322.7	317.3	322.6	-
175	Carpentering and flooring	129.6	128.6	134.0	135.2	-	98.6	97.9	101.3	102.9	-
176	Roofing and sheet metal work	178.7	179.7	177.0	181.2	-	146.3	147.3	143.6	147.9	-
--	MANUFACTURING	19,997	20,212	20,337	20,486	20,665	13,907	14,131	14,108	14,241	14,463
24, 25, 32-39	DURABLE GOODS	11,796	11,990	12,198	12,192	12,330	8,048	8,244	8,347	8,327	8,487
20-23, 26-31	NONDURABLE GOODS	8,201	8,222	8,139	8,294	8,335	5,859	5,887	5,761	5,914	5,976
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	686.5	693.6	708.6	701.9	690.4	574.1	580.2	592.3	585.6	575.0
241	Logging camps and logging contractors	90.2	89.2	89.8	87.1	-	73.6	72.7	71.5	68.7	-
242	Sawmills and planing mills	213.7	214.6	216.5	216.2	-	189.0	189.7	191.8	191.6	-
2421	Sawmills and planing mills, general	179.3	180.5	181.9	180.6	-	159.1	159.9	161.9	160.5	-
2426	Hardwood dimension and flooring	29.1	28.8	30.2	31.1	-	25.0	24.9	26.0	27.1	-
243	Millwork, plywood, and structural members	199.9	204.6	208.1	207.1	-	164.2	168.6	172.1	170.8	-
2431	Millwork	69.2	71.4	73.3	72.0	-	55.2	57.4	59.0	57.7	-
2434	Wood kitchen cabinets	47.3	48.1	49.7	49.8	-	38.8	39.5	40.1	40.1	-
2435	Hardwood veneer and plywood	24.8	25.1	26.5	27.2	-	21.7	22.0	23.3	24.0	-
2436	Softwood veneer and plywood	42.3	43.4	42.8	42.4	-	36.5	37.3	38.1	37.6	-
244	Wood containers	40.8	41.2	43.8	43.1	-	35.3	35.7	37.5	36.8	-
245	Wood buildings and mobile homes	63.7	65.0	69.6	68.4	-	47.7	48.2	51.9	50.7	-
2451	Mobile homes	44.4	45.5	49.8	49.2	-	34.3	34.8	38.4	37.9	-
249	Miscellaneous wood products	78.2	79.0	80.8	80.0	-	64.3	65.3	67.5	67.0	-
25	FURNITURE AND FIXTURES	449.8	461.6	472.0	481.6	486.7	360.5	372.1	380.5	388.8	394.2
251	Household furniture	288.2	299.4	306.1	310.6	-	239.9	250.8	256.2	259.8	-
2511	Wood household furniture	130.2	137.0	138.8	141.4	-	111.8	118.7	120.7	122.7	-
2512	Upholstered household furniture	91.0	92.6	96.1	97.2	-	75.1	76.3	78.6	79.4	-
2514	Metal household furniture	25.2	26.2	28.3	28.5	-	19.9	20.9	22.7	22.9	-
2515	Mattresses and bedsprings	29.3	30.2	29.9	30.5	-	22.3	23.3	22.9	23.4	-
252	Office furniture	48.0	48.2	50.8	52.5	-	37.7	37.9	39.5	41.1	-
253	Public building and related furniture	24.1	24.0	24.6	25.4	-	17.9	17.9	18.5	19.2	-
254	Partitions and fixtures	63.5	63.4	62.6	64.2	-	47.1	47.0	46.9	48.3	-
259	Miscellaneous furniture and fixtures	26.0	26.6	27.9	28.9	-	17.9	18.5	19.4	20.4	-

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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
32	STONE, CLAY, AND GLASS PRODUCTS	661.4	665.5	666.7	668.9	666.3	509.9	515.0	515.0	516.7	517.1
321	Flat glass	18.3	19.2	19.0	19.1	-	13.7	14.7	14.7	14.9	-
322	Glass and glassware, pressed or blown	123.3	124.4	124.5	125.7	-	103.9	104.9	105.5	106.4	-
3221	Glass containers	70.3	69.9	70.0	70.5	-	61.7	61.4	61.7	62.2	-
3229	Pressed and blown glass, nec	53.0	54.5	54.5	55.2	-	42.2	43.5	43.8	44.2	-
323	Products of purchased glass	44.0	45.8	47.6	48.0	-	30.4	31.9	32.3	32.3	-
324	Cement, hydraulic	30.6	30.3	30.4	30.1	-	24.4	24.1	24.3	24.1	-
325	Structural clay products	44.7	44.7	44.5	44.6	-	33.5	33.7	33.8	34.0	-
326	Pottery and related products	44.2	45.6	43.7	45.0	-	36.4	37.6	35.6	37.1	-
327	Concrete, gypsum, and plaster products	210.4	209.0	200.6	199.6	-	163.0	162.2	155.1	153.7	-
3271	Concrete block and brick	21.7	21.5	20.5	20.4	-	15.0	15.0	14.2	14.1	-
3272	Concrete products, nec	68.5	68.2	63.9	64.6	-	51.8	51.8	47.8	47.9	-
3273	Ready-mixed concrete	99.5	98.6	95.6	94.2	-	79.4	78.6	76.4	75.2	-
329	Misc. nonmetallic mineral products	134.3	135.0	143.7	144.0	-	95.2	96.5	103.3	103.7	-
3291	Abrasive products	28.1	27.8	29.6	29.8	-	18.3	18.1	20.0	20.1	-
3292	Asbestos products	16.0	16.4	17.3	17.3	-	12.1	12.7	13.3	13.3	-
3296	Mineral wool	31.5	32.5	32.9	33.1	-	-	-	-	-	-
33	PRIMARY METAL INDUSTRIES	1,069.9	1,092.0	1,135.5	1,139.8	1,148.9	808.6	832.5	871.7	873.4	884.2
331	Blast furnace and basic steel products	478.5	483.9	517.1	513.3	-	363.6	371.1	402.0	396.8	-
3312	Blast furnaces and steel mills	399.4	403.4	433.3	429.5	-	304.2	310.1	337.9	333.2	-
3317	Steel pipe and tubes	29.6	30.4	32.4	32.3	-	22.6	23.4	25.3	24.9	-
332	Iron and steel foundries	192.5	198.9	203.1	204.7	-	152.4	159.3	162.0	162.3	-
3321	Gray iron foundries	115.4	118.6	124.7	126.4	-	92.5	96.5	101.4	102.6	-
3322	Malleable iron foundries	12.2	13.9	15.0	15.4	-	9.3	10.4	11.6	11.8	-
3325	Steel foundries, nec	54.3	54.3	52.3	52.9	-	43.2	43.5	41.1	41.4	-
333	Primary nonferrous metals	62.7	67.0	71.4	71.3	-	46.6	49.2	53.8	53.7	-
3334	Primary aluminum	37.9	37.6	36.9	36.4	-	29.5	29.4	28.8	28.4	-
335	Nonferrous rolling and drawing	202.1	205.8	204.0	207.2	-	142.2	146.2	144.4	147.9	-
3351	Copper rolling and drawing	28.5	29.3	30.1	29.9	-	20.8	21.5	22.4	22.3	-
3353	Aluminum sheet, plate, and foil	34.3	34.4	32.8	34.7	-	25.9	26.0	24.6	26.7	-
3357	Nonferrous wire drawing and insulating	82.6	85.2	84.2	85.7	-	58.5	61.1	59.8	61.1	-
336	Nonferrous foundries	85.1	87.2	89.2	92.1	-	67.0	69.3	71.3	73.9	-
3361	Aluminum foundries	48.6	49.7	50.3	52.8	-	38.8	40.1	41.0	43.0	-
34	FABRICATED METAL PRODUCTS	1,549.9	1,576.4	1,584.5	1,590.9	1,610.4	1,135.6	1,163.2	1,167.1	1,172.6	1,194.2
341	Metal cans and shipping containers	74.9	75.0	72.3	73.5	-	63.5	63.7	61.9	62.8	-
3411	Metal cans	62.1	62.1	59.4	60.6	-	53.0	53.1	51.5	52.5	-
342	Cutlery, hand tools, and hardware	152.3	161.7	167.0	166.5	-	114.5	123.4	127.2	125.8	-
3423,5	Hand and edge tools, and hand saws and blades	55.5	56.7	57.4	58.5	-	42.5	43.6	43.5	44.1	-
3429	Hardware, nec	82.2	80.3	95.4	93.8	-	60.7	68.3	73.1	71.2	-
343	Plumbing and heating, except electric	6	6.1	6.4	6.8	-	45.9	47.8	48.0	48.9	-
3432	Plumbing fittings and brass goods	21.1	21.6	24.6	24.8	-	16.8	17.2	19.7	19.9	-
3433	Heating equipment, except electric	34.6	35.2	32.2	33.1	-	22.8	23.4	21.3	22.1	-
344	Fabricated structural metal products	504.9	507.8	501.8	504.9	-	347.7	349.8	341.8	345.7	-
3441	Fabricated structural metal	97.9	97.8	95.7	95.9	-	70.8	70.6	68.2	68.5	-
3442	Metal doors, sash, and trim	79.0	81.0	80.1	79.8	-	57.7	59.8	58.3	58.1	-
3443	Fabricated plate work (boiler shops)	150.0	149.9	146.7	148.8	-	93.0	92.3	88.6	91.2	-
3444	Sheet metal work	110.9	111.5	111.0	111.8	-	81.2	81.6	80.9	81.6	-
3446	Architectural metal work	31.5	32.1	31.9	32.0	-	22.2	22.6	22.4	22.5	-
345	Screw machine products, bolts, etc.	101.7	102.7	102.4	102.3	-	77.3	78.6	78.5	78.8	-
3451	Screw machine products	47.9	48.3	48.7	48.7	-	38.4	39.0	39.5	39.6	-
3452	Bolts, nuts, rivets, and washers	53.8	54.4	53.7	53.6	-	38.9	39.6	39.0	39.2	-
346	Metal forgings and stampings	244.3	253.4	252.0	251.1	-	187.7	197.6	198.6	198.2	-
3462	Iron and steel forgings	42.0	42.4	44.3	43.7	-	31.8	32.1	34.3	33.7	-
3465	Automotive stampings	83.3	91.7	89.7	89.1	-	66.1	73.5	74.0	73.3	-
3469	Metal stampings, nec	106.3	106.6	105.9	106.0	-	80.0	82.1	81.0	81.6	-
347	Metal services, nec	99.7	100.4	104.7	105.0	-	80.2	80.7	84.3	84.5	-
3471	Plating and polishing	67.5	68.3	70.4	71.5	-	54.8	55.5	57.6	58.6	-
3479	Metal coating and allied services	32.2	32.1	34.3	33.5	-	25.4	25.2	26.7	25.9	-
348	Ordnance and accessories, nec	59.6	59.3	60.1	60.6	-	39.4	39.4	38.6	38.7	-
3483	Ammunition, exc. for small arms, nec	24.8	24.9	24.9	25.2	-	16.9	17.1	16.0	15.2	-
349	Misc. fabricated metal products	247.3	249.0	256.8	258.7	-	179.4	182.2	188.2	189.2	-
3494	Valves and pipe fittings	101.0	101.2	105.3	104.9	-	68.1	68.8	72.0	71.2	-
3496	Misc. fabricated wire products	53.6	54.0	55.4	57.0	-	41.7	42.2	42.9	44.4	-
35	MACHINERY, EXCEPT ELECTRICAL	2,426.4	2,453.4	2,517.4	2,512.1	2,534.1	1,533.3	1,561.7	1,587.8	1,581.7	1,615.1
351	Engines and turbines	129.9	131.5	133.7	134.2	-	80.7	83.5	85.8	86.4	-
3511	Turbines and turbine generator sets	41.5	42.0	40.6	40.7	-	19.6	21.5	21.2	21.5	-
3519	Internal combustion engines, nec	88.4	89.5	93.1	93.5	-	61.1	62.0	64.6	64.9	-
352	Farm and garden machinery	149.2	164.3	163.0	158.1	-	97.0	108.8	109.7	104.4	-
3523	Farm machinery and equipment	131.3	144.8	144.3	136.7	-	85.6	95.5	97.0	89.1	-
353	Construction and related machinery	377.5	384.1	401.2	404.2	-	244.9	250.6	262.3	264.4	-
3531	Construction machinery	140.9	143.6	145.3	145.2	-	93.9	97.1	95.8	95.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	MACHINERY, EXCEPT ELECTRICAL—Continued										
3532	Mining machinery.....	37.5	37.3	37.4	37.8	-	22.9	22.8	23.1	23.5	-
3533	Oil field machinery.....	94.8	96.5	111.6	113.4	-	65.4	66.0	77.8	79.3	-
3535	Conveyers and conveying equipment.....	35.0	34.6	34.3	35.2	-	19.3	19.0	19.4	20.3	-
3537	Industrial trucks and tractors.....	33.2	36.0	36.4	36.5	-	21.2	23.4	23.8	24.1	-
354	Metalworking machinery.....	362.9	363.3	359.1	357.7	-	262.1	263.7	257.3	255.9	-
3541	Machine tools, metal cutting types.....	80.4	79.3	79.1	78.6	-	53.2	52.6	50.9	50.3	-
3542	Machine tools, metal forming types.....	26.6	26.3	25.8	24.5	-	16.9	16.7	16.1	15.2	-
3544	Special dies, tools, jigs, and fixtures.....	131.4	133.7	133.9	133.9	-	103.7	106.1	105.6	105.2	-
3545	Machine tool accessories.....	69.5	69.0	67.6	67.6	-	49.2	48.8	47.2	47.1	-
3546	Power driven hand tools.....	30.0	30.0	29.0	29.0	-	22.7	22.8	22.3	22.3	-
355	Special industry machinery.....	206.4	205.9	203.2	201.3	-	131.0	130.4	127.8	126.9	-
3551	Food products machinery.....	44.7	44.8	43.8	43.2	-	28.4	28.4	27.6	27.3	-
3552	Textile machinery.....	26.5	26.3	24.4	24.8	-	18.6	18.5	16.8	17.3	-
3555	Printing trades machinery.....	42.0	41.9	43.4	42.7	-	26.0	25.9	26.7	26.4	-
356	General industrial machinery.....	313.8	315.0	313.1	312.7	-	202.0	204.3	201.3	201.8	-
3561	Pumps and pumping equipment.....	61.8	62.0	62.9	63.1	-	36.2	36.5	36.8	37.1	-
3562	Ball and roller bearings.....	56.5	57.2	54.6	54.6	-	43.7	44.3	41.8	41.6	-
3563	Air and gas compressors.....	30.1	30.1	29.7	29.9	-	17.7	17.8	17.5	17.7	-
3564	Blowers and fans.....	40.4	40.4	40.9	39.4	-	24.6	25.1	25.6	24.8	-
3566	Speed changers, drives, and gears.....	25.7	25.6	27.2	27.4	-	17.0	17.1	18.0	18.0	-
3568	Power transmission equipment, nec.....	21.7	21.7	21.9	22.2	-	15.1	15.2	15.4	15.5	-
357	Office and computing machines.....	432.7	432.3	458.5	460.5	-	184.1	185.0	184.9	185.2	-
3573	Electronic computing equipment.....	354.3	353.1	378.6	381.0	-	141.2	141.3	142.2	142.6	-
358	Refrigeration and service machinery.....	165.2	168.7	181.4	179.2	-	111.2	114.3	126.3	124.0	-
3585	Refrigeration and heating equipment.....	109.6	113.6	123.0	121.7	-	73.2	76.9	86.5	84.7	-
359	Misc. machinery, except electrical.....	288.8	288.3	304.2	304.2	-	220.3	221.1	232.4	232.7	-
3592	Carburetors, pistons, rings, valves.....	37.2	38.8	41.8	42.0	-	28.7	30.4	33.6	33.7	-
3599	Machinery, except electrical, nec.....	251.6	249.5	262.4	262.2	-	191.6	190.7	198.8	199.0	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	2,057.5	2,079.6	2,138.9	2,146.9	2,169.7	1,284.9	1,307.2	1,339.4	1,346.3	1,369.3
361	Electric distributing equipment.....	117.8	119.5	119.0	120.0	-	81.7	83.4	84.2	85.1	-
3612	Transformers.....	50.6	51.4	51.8	53.0	-	34.8	35.5	36.5	37.5	-
3613	Switchgear and switchboard apparatus.....	67.2	68.1	67.2	67.0	-	46.9	47.9	47.7	47.6	-
362	Electrical industrial apparatus.....	228.7	229.4	241.1	241.5	-	159.0	160.2	172.0	172.0	-
3621	Motors and generators.....	112.9	114.7	123.0	123.1	-	83.4	85.4	94.5	94.6	-
3622	Industrial controls.....	71.4	70.6	71.4	71.6	-	44.3	43.8	44.2	44.0	-
363	Household appliances.....	154.1	163.6	172.6	166.0	-	120.9	130.3	137.6	131.5	-
3632	Household refrigerators and freezers.....	27.3	31.2	40.3	34.8	-	21.1	24.8	33.2	28.0	-
3633	Household laundry equipment.....	18.2	19.9	21.7	21.5	-	14.0	15.4	17.2	16.9	-
3634	Electric housewares and fans.....	51.6	53.9	52.3	53.5	-	42.2	44.7	42.1	43.4	-
364	Electric lighting and wiring equipment.....	199.1	203.8	208.2	210.1	-	146.2	151.1	152.1	154.2	-
3641	Electric lamps.....	33.9	36.2	32.9	33.7	-	29.6	32.1	28.4	29.1	-
3643	Current-carrying wiring devices.....	85.7	85.6	90.0	91.6	-	59.2	58.9	60.6	62.0	-
3644	Noncurrent-carrying wiring devices.....	20.9	21.5	22.8	22.8	-	14.6	15.2	16.6	16.8	-
3645	Residential lighting fixtures.....	23.3	24.3	24.8	24.6	-	17.4	18.4	18.6	18.7	-
365	Radio and TV receiving equipment.....	106.7	110.2	110.5	111.9	-	76.1	79.6	77.7	79.1	-
3651	Radio and TV receiving sets.....	83.1	85.6	87.9	89.0	-	57.2	59.6	60.1	61.1	-
366	Communication equipment.....	539.9	537.5	545.2	546.7	-	262.1	259.7	262.3	264.1	-
3661	Telephone and telegraph apparatus.....	160.6	159.1	152.0	151.5	-	108.6	107.2	101.0	100.8	-
3662	Radio and TV communication equipment.....	379.3	378.4	393.2	395.2	-	153.5	152.5	161.3	163.3	-
367	Electronic components and accessories.....	555.9	555.6	575.2	581.4	-	328.6	328.3	332.3	337.7	-
3671-3	Electronic tubes.....	42.8	42.8	43.9	43.2	-	26.7	26.7	26.9	26.1	-
3674	Semiconductors and related devices.....	229.7	228.7	235.8	238.3	-	99.9	99.0	95.5	97.0	-
3679	Electronic components, nec.....	212.4	213.2	221.1	225.1	-	146.6	147.2	152.9	157.4	-
369	Misc. electrical equipment and supplies.....	155.3	160.0	167.1	169.3	-	110.3	114.6	121.2	122.6	-
3691	Storage batteries.....	28.9	31.1	31.2	33.4	-	22.5	24.4	24.0	26.1	-
3694	Engine electrical equipment.....	71.9	74.6	80.4	79.9	-	53.0	55.9	62.1	61.4	-
37	TRANSPORTATION EQUIPMENT	1,772.5	1,842.4	1,840.3	1,802.4	1,869.1	1,111.0	1,179.4	1,165.2	1,123.9	1,192.6
371	Motor vehicles and equipment.....	676.7	731.8	727.5	690.5	-	476.5	531.8	541.5	499.5	-
3711	Motor vehicles and car bodies.....	300.3	334.1	316.5	284.0	-	194.8	228.8	222.4	185.9	-
3713	Truck and bus bodies.....	35.9	36.6	34.5	33.4	-	27.3	27.3	26.0	24.9	-
3714	Motor vehicle parts and accessories.....	309.8	330.3	342.4	338.4	-	232.1	253.0	267.0	262.3	-
3715	Truck trailers.....	26.5	26.2	28.3	29.3	-	19.2	19.3	21.7	22.3	-
372	Aircraft and parts.....	649.6	659.8	655.4	650.2	-	345.5	354.7	343.2	340.1	-
3721	Aircraft.....	354.6	356.5	362.5	361.4	-	173.4	176.3	173.9	175.2	-
3724	Aircraft engines and engine parts.....	154.5	163.0	155.5	151.7	-	84.8	90.9	87.1	84.0	-
3728	Aircraft equipment, nec.....	140.5	140.3	137.4	137.1	-	87.3	87.5	82.2	80.9	-
373	Ship and boat building and repairing.....	210.4	214.2	226.4	229.8	-	165.6	169.4	172.6	175.6	-
3731	Ship building and repairing.....	169.3	171.7	176.5	180.2	-	132.3	134.6	130.8	134.0	-
3732	Boat building and repairing.....	41.1	42.5	49.9	49.6	-	33.3	34.8	41.8	41.6	-
374	Railroad equipment.....	66.9	66.0	48.8	48.2	-	49.7	48.9	32.2	32.2	-
376	Guided missiles, space vehicles, parts.....	112.6	112.8	120.9	121.6	-	34.7	34.6	35.5	35.7	-
3761	Guided missiles and space vehicles.....	89.9	90.0	97.4	98.0	-	26.2	26.0	27.0	27.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
TRANSPORTATION EQUIPMENT—Continued											
379	Miscellaneous transportation equipment	37.7	39.3	40.3	40.2	-	24.0	25.6	25.3	25.6	-
3792	Travel trailers and campers	15.5	16.8	20.4	19.9	-	11.4	12.6	15.7	15.3	-
38	INSTRUMENTS AND RELATED PRODUCTS	707.0	705.6	722.1	726.1	727.3	419.7	419.1	423.9	424.6	427.8
381	Engineering and scientific instruments	77.4	77.4	78.5	78.6	-	37.3	37.6	37.4	37.5	-
382	Measuring and controlling devices	239.4	239.7	247.7	249.8	-	147.7	148.1	154.9	156.8	-
3822	Environmental controls	44.7	46.0	46.8	47.1	-	30.4	31.3	31.5	31.7	-
3823	Process control instruments	52.5	52.0	57.4	58.2	-	27.5	27.0	29.9	30.7	-
3825	Instruments to measure electricity	103.4	102.8	105.6	107.1	-	62.4	62.1	66.9	68.2	-
383	Optical instruments and lenses	32.6	32.8	33.1	32.8	-	18.2	18.1	18.6	18.4	-
384	Medical instruments and supplies	155.9	155.6	159.1	160.8	-	101.4	101.6	98.7	100.2	-
3841	Surgical and medical instruments	72.2	72.2	75.1	75.4	-	47.6	47.7	44.9	44.9	-
3842	Surgical appliances and supplies	66.4	66.3	67.3	68.9	-	43.0	43.2	43.5	45.1	-
385	Ophthalmic goods	43.4	43.3	42.2	42.2	-	30.8	30.6	29.5	29.2	-
386	Photographic equipment and supplies	137.7	136.0	143.0	142.9	-	69.0	67.7	71.3	68.5	-
387	Watches, clocks, and watchcases	20.6	20.8	18.5	19.0	-	15.3	15.4	13.5	14.0	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	415.2	419.8	412.3	421.6	426.6	310.1	314.0	304.2	313.3	317.6
391	Jewelry, silverware, and plated ware	55.5	56.6	52.0	53.9	-	39.6	40.6	36.9	38.5	-
3911	Jewelry, precious metal	36.4	37.4	33.2	34.0	-	25.7	26.6	22.9	24.0	-
393	Musical instruments	20.8	21.2	22.6	22.4	-	16.4	16.9	18.0	18.0	-
394	Toys and sporting goods	117.5	119.2	117.6	120.9	-	88.6	89.5	89.1	91.6	-
3942, 4	Dolls, games, toys, and children's vehicles	63.0	63.4	63.0	65.7	-	46.8	46.9	47.3	49.4	-
3949	Sporting and athletic goods, nec	54.5	55.8	54.6	55.2	-	41.8	42.6	41.8	42.2	-
395	Pens, pencils, office and art supplies	36.9	36.9	39.5	39.4	-	26.1	26.2	28.0	28.1	-
396	Costume jewelry and notions	49.8	50.9	44.4	48.2	-	39.4	40.5	33.5	37.3	-
3961	Costume jewelry	23.6	24.6	21.0	24.0	-	18.4	19.3	16.1	18.9	-
399	Miscellaneous manufactures	134.7	135.0	136.2	136.8	-	100.0	100.3	98.7	99.8	-
3993	Signs and advertising displays	47.2	47.0	47.7	48.5	-	33.9	33.9	34.3	35.2	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	1,828.7	1,823.5	1,714.8	1,777.5	1,778.9	1,285.9	1,284.3	1,176.6	1,241.0	1,250.6
201	Meat products	359.8	360.0	350.3	350.3	-	300.2	299.8	291.6	291.9	-
2011	Meat packing plants	161.7	161.9	156.3	157.1	-	132.6	132.7	128.0	129.0	-
2013	Sausages and other prepared meats	70.7	70.6	69.8	69.1	-	52.3	52.0	52.0	51.3	-
2016	Poultry dressing plants	113.6	113.6	112.3	111.7	-	103.3	103.2	101.5	101.1	-
202	Dairy products	180.0	177.0	178.0	177.5	-	100.2	98.0	99.2	99.2	-
2022	Cheese, natural and processed	36.7	36.7	36.3	35.8	-	28.3	28.5	27.7	27.5	-
2026	Fluid milk	102.9	101.9	101.5	101.0	-	45.8	45.1	45.7	45.6	-
203	Preserved fruits and vegetables	350.9	354.2	260.0	316.6	-	302.3	305.2	214.0	271.2	-
2032	Canned specialties	26.0	27.1	23.8	27.0	-	19.2	20.4	17.2	20.4	-
2033	Canned fruits and vegetables	189.1	192.0	114.5	162.7	-	169.6	172.4	96.3	144.5	-
2037	Frozen fruits and vegetables	50.7	49.8	43.8	46.5	-	44.2	43.3	37.7	40.7	-
204	Grain mill products	145.4	147.0	141.5	143.1	-	99.1	101.1	98.0	99.6	-
2041	Flour and other grain mill products	27.5	27.8	27.1	27.2	-	16.2	16.6	17.4	17.3	-
2048	Prepared feeds, nec	57.5	58.2	56.0	56.2	-	37.4	38.2	36.5	36.8	-
205	Bakery products	227.1	226.2	222.7	222.2	-	132.9	132.4	128.8	129.0	-
2051	Bread, cake, and related products	184.1	182.8	182.2	181.4	-	99.1	98.1	96.7	96.7	-
2052	Cookies and crackers	43.0	43.4	40.5	40.8	-	33.8	34.3	32.1	32.3	-
206	Sugar and confectionery products	105.3	107.7	103.3	107.7	-	78.6	80.9	77.3	81.4	-
2061-3	Cane and beet sugar	26.4	26.9	27.2	27.6	-	18.2	18.7	19.3	19.7	-
2065	Confectionery products	57.7	59.5	55.9	59.0	-	45.4	47.1	44.5	47.5	-
207	Fats and oils	43.9	43.7	43.2	42.9	-	32.0	32.0	31.8	31.8	-
208	Beverages	242.5	236.5	242.7	243.0	-	109.5	106.2	106.6	106.4	-
2082	Malt beverages	52.5	51.5	51.7	51.2	-	34.5	33.6	33.5	32.4	-
2086	Bottled and canned soft drinks	145.2	142.4	146.7	146.7	-	49.6	48.4	49.3	49.0	-
209	Misc. foods and kindred products	173.8	171.2	173.1	174.2	-	131.1	128.7	129.3	130.5	-
21	TOBACCO MANUFACTURES	71.2	74.9	66.3	75.8	79.0	56.1	59.5	50.5	60.0	62.9
211	Cigarettes	46.5	46.2	48.0	47.4	-	35.4	34.9	36.4	36.2	-
22	TEXTILE MILL PRODUCTS	842.5	843.3	836.5	848.0	853.0	731.1	732.8	723.9	734.8	741.2
221	Weaving mills, cotton	149.2	149.2	140.2	140.6	-	133.8	133.7	124.7	124.8	-
222	Weaving mills, synthetics	117.0	118.5	117.9	118.2	-	104.9	106.3	105.9	106.1	-
223	Weaving and finishing mills, wool	18.2	18.1	18.1	18.8	-	14.6	14.6	15.0	15.6	-
224	Narrow fabric mills	22.5	22.6	23.4	24.3	-	19.6	19.8	20.7	21.5	-
225	Knitting mills	222.1	220.5	222.0	224.5	-	192.8	191.6	191.6	194.5	-
2251	Women's hosiery, except socks	29.8	29.6	28.5	29.2	-	26.9	26.7	25.5	26.1	-
2252	Hosiery, nec	33.2	33.0	34.9	34.8	-	30.3	30.1	31.7	31.7	-
2253	Knit outerwear mills	71.4	70.6	73.0	74.6	-	61.5	60.5	62.0	63.6	-
2254	Knit underwear mills	31.2	31.1	31.2	31.5	-	26.8	26.8	26.7	27.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	TEXTILE MILL PRODUCTS—Continued										
2257	Circular knit fabric mills	33.0	32.9	31.1	31.3	-	27.7	28.0	26.2	26.6	-
226	Textile finishing, except wool	72.1	72.0	70.3	71.5	-	60.3	60.3	58.4	59.7	-
2261	Finishing plants, cotton	28.7	28.7	27.3	27.6	-	23.8	24.0	22.4	22.6	-
2262	Finishing plants, synthetics	28.3	28.1	28.4	28.8	-	23.7	23.6	23.8	24.0	-
227	Floor covering mills	52.9	53.6	52.5	53.4	-	43.1	43.6	42.4	43.3	-
228	Yarn and thread mills	124.2	123.8	124.9	128.3	-	111.8	111.8	112.5	115.6	-
2281	Yarn mills, except wool	83.7	83.1	84.4	86.0	-	76.9	76.4	77.3	78.8	-
2282	Throwing and winding mills	20.0	20.3	20.0	20.8	-	17.3	17.8	17.8	18.4	-
229	Miscellaneous textile goods	64.3	65.0	67.2	68.4	-	50.2	51.1	52.7	53.7	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,267.6	1,274.3	1,231.1	1,277.3	1,295.2	1,084.0	1,090.0	1,045.9	1,087.4	1,106.8
231	Men's and boys' suits and coats	78.5	77.9	76.1	79.4	-	69.1	68.6	66.5	69.7	-
232	Men's and boys' furnishings	367.6	362.2	348.9	359.6	-	314.5	309.8	297.6	307.4	-
2321	Men's and boys' shirts and nightwear	100.2	99.1	97.1	99.5	-	86.9	85.7	83.8	86.0	-
2327	Men's and boys' separate trousers	76.4	75.9	72.6	74.7	-	66.7	66.4	63.1	65.3	-
2328	Men's and boys' work clothing	105.7	103.6	100.9	105.1	-	87.9	86.4	83.6	87.1	-
233	Women's and misses' outerwear	414.9	417.7	400.6	421.6	-	357.8	360.0	342.4	362.4	-
2331	Women's and misses' blouses and waists	60.3	60.8	61.1	62.0	-	52.2	52.8	53.2	54.0	-
2335	Women's and misses' dresses	143.1	142.9	129.7	140.4	-	126.8	126.5	113.0	123.5	-
2337	Women's and misses' suits and coats	71.5	71.4	65.7	70.0	-	62.9	62.3	55.8	59.8	-
2339	Women's and misses' outerwear, nec.	140.0	142.6	144.1	149.2	-	115.9	118.4	120.4	125.1	-
234	Women's and children's undergarments	88.6	89.3	87.9	89.5	-	75.1	75.9	74.9	76.4	-
2341	Women's and children's underwear	71.8	72.3	70.1	71.7	-	62.2	62.8	60.9	62.5	-
2342	Brassieres and allied garments	16.8	17.0	17.8	17.8	-	12.9	13.1	14.0	13.9	-
236	Children's outerwear	62.5	64.3	65.8	65.1	-	53.2	54.9	55.7	54.9	-
2361	Children's dresses and blouses	26.1	27.2	28.2	27.7	-	23.2	24.3	25.0	24.5	-
238	Misc. apparel and accessories	55.8	56.5	53.3	56.6	-	47.6	48.2	44.9	48.0	-
239	Misc. fabricated textile products	177.5	183.6	176.8	183.9	-	147.5	152.9	145.0	150.1	-
2391	Curtains and draperies	27.0	27.1	27.5	29.5	-	22.6	22.7	23.0	24.7	-
2392	House furnishings, nec.	49.6	50.8	48.5	51.0	-	41.1	41.7	40.1	42.1	-
2396	Automotive and apparel trimmings	32.7	36.3	30.8	32.9	-	28.4	32.0	25.1	26.1	-
26	PAPER AND ALLIED PRODUCTS	689.0	688.6	696.4	701.0	704.5	518.1	518.2	524.6	528.5	533.3
261, 26	Paper and pulp mills	203.7	202.1	208.2	207.3	-	151.6	150.6	156.8	155.8	-
262	Paper mills, except building paper	176.0	174.0	180.0	179.6	-	129.7	128.1	134.5	134.1	-
263	Paperboard mills	65.6	64.7	64.8	65.2	-	51.4	50.9	50.7	51.2	-
264	Misc. converted paper products	218.4	218.6	221.3	223.1	-	161.7	161.6	163.3	164.3	-
2641	Paper coating and glazing	55.9	55.9	56.4	57.2	-	35.8	35.9	36.7	37.3	-
2642	Envelopes	24.9	25.1	25.1	25.2	-	19.6	19.5	19.5	19.5	-
2643	Bags, except textile bags	48.7	49.3	49.4	50.4	-	37.6	38.2	38.4	39.3	-
265	Paperboard containers and boxes	201.3	203.2	202.1	205.4	-	153.4	155.1	153.8	157.2	-
2651	Folding paperboard boxes	41.5	42.1	42.0	43.1	-	32.5	33.2	32.6	33.7	-
2653	Corrugated and solid fiber boxes	103.7	104.9	104.8	105.7	-	75.8	76.7	76.6	77.9	-
2654	Sanitary food containers	25.9	25.8	26.3	26.4	-	21.1	21.0	21.6	21.5	-
27	PRINTING AND PUBLISHING	1,251.0	1,255.1	1,286.5	1,289.1	1,295.3	695.9	700.6	706.2	708.6	715.2
271	Newspapers	420.0	420.4	433.0	434.0	-	162.0	163.1	164.8	165.6	-
272	Periodicals	89.8	89.2	93.0	92.9	-	17.3	16.9	17.7	17.2	-
273	Books	99.1	97.5	100.7	100.6	-	50.1	48.7	50.5	50.2	-
2731	Book publishing	70.4	68.9	72.1	71.9	-	26.3	25.1	26.9	26.7	-
2732	Book printing	28.7	28.6	28.6	28.7	-	23.8	23.6	23.6	23.5	-
274	Miscellaneous publishing	49.0	48.5	49.9	48.7	-	26.1	26.0	26.0	25.5	-
275	Commercial printing	414.1	420.4	429.9	431.4	-	307.6	313.2	315.7	316.8	-
2751	Commercial printing, letterpress	164.3	167.7	170.0	170.2	-	122.3	124.7	125.3	125.4	-
2752	Commercial printing, lithographic	227.8	230.6	237.5	238.3	-	167.2	170.2	172.3	173.0	-
276	Manifold business forms	48.6	48.9	48.5	48.5	-	33.9	34.0	33.4	33.4	-
278	Blankbooks and bookbinding	61.2	60.9	61.7	62.7	-	50.3	50.0	50.4	51.5	-
279	Printing trade services	43.7	44.0	44.2	44.0	-	32.5	32.7	32.5	32.4	-
28	CHEMICALS AND ALLIED PRODUCTS	1,102.8	1,100.9	1,116.6	1,114.5	1,115.2	617.0	617.9	632.1	630.9	638.4
281	Industrial inorganic chemicals	162.4	161.0	164.7	164.3	-	87.5	86.8	90.2	89.5	-
2819	Industrial inorganic chemicals, nec.	107.1	106.5	108.5	108.1	-	58.6	58.1	59.1	58.6	-
282	Plastics materials and synthetics	201.0	201.7	201.9	200.3	-	132.2	132.6	133.9	132.9	-
2821	Plastics materials and resins	80.0	80.3	80.9	80.1	-	47.2	46.9	48.2	47.9	-
2824	Organic fibers, noncellulosic	94.1	94.5	94.1	93.8	-	65.7	66.3	66.1	66.0	-
283	Drugs	197.5	196.6	202.5	202.3	-	95.6	95.3	100.5	100.2	-
2834	Pharmaceutical preparations	155.4	155.0	158.9	159.0	-	72.7	72.9	77.3	77.2	-
284	Soap, cleaners, and toilet goods	139.8	141.3	139.3	139.9	-	85.4	86.8	87.3	87.6	-
2841	Soap and other detergents	42.0	42.2	40.2	40.0	-	27.0	27.2	26.4	26.0	-
2844	Toilet preparations	55.3	57.3	57.2	58.0	-	35.5	37.3	38.3	38.7	-
2842, 3	Polishing, sanitation, and finishing preparations	42.5	41.8	41.9	41.9	-	22.9	22.3	22.6	22.9	-
285	Paints and allied products	65.8	65.0	66.0	66.5	-	33.3	32.5	32.7	33.3	-
286	Industrial organic chemicals	171.8	170.5	172.0	172.2	-	86.7	86.4	86.3	86.7	-

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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
2865	Cyclic crudes and intermediates	35.0	34.8	35.1	35.4	-	21.4	21.4	21.4	21.8	-
2861,9	Gum, wood, and industrial organic chemicals, nec.	136.8	135.7	136.9	136.8	-	65.3	65.0	64.9	64.9	-
287	Agricultural chemicals	71.1	71.6	73.1	72.0	-	43.8	44.8	45.6	44.6	-
289	Miscellaneous chemical products	93.4	93.2	97.1	97.0	-	52.5	52.7	55.6	56.1	-
29	PETROLEUM AND COAL PRODUCTS	211.8	210.2	216.1	215.4	213.1	136.9	135.6	136.0	135.1	132.4
291	Petroleum refining	167.4	165.8	172.1	172.5	-	104.9	103.3	104.1	104.0	-
295	Paving and roofing materials	32.4	32.6	31.5	30.6	-	24.5	24.9	24.0	23.4	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	702.2	718.0	747.0	756.4	764.2	535.6	551.1	573.4	584.3	593.5
301	Tires and inner tubes	117.6	118.3	122.3	121.7	-	82.0	82.8	83.1	84.1	-
302	Rubber and plastics footwear	21.5	22.6	20.1	20.4	-	19.2	20.2	17.7	18.1	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting	21.7	22.4	23.7	23.9	-	14.8	15.5	16.6	16.8	-
306	Fabricated rubber products, nec	101.5	104.0	105.6	107.3	-	78.2	80.5	82.2	83.6	-
307	Miscellaneous plastics products	439.9	450.7	475.3	483.1	-	341.4	352.1	373.8	381.7	-
31	LEATHER AND LEATHER PRODUCTS	234.4	232.7	227.5	239.4	236.8	198.7	197.1	192.1	203.5	201.9
311	Leather tanning and finishing	19.2	18.8	19.7	20.7	-	16.0	15.6	16.6	17.6	-
314	Footwear, except rubber	145.3	143.4	140.2	147.2	-	125.2	123.6	120.7	127.2	-
3143	Men's footwear, except athletic	56.2	56.1	54.5	59.2	-	48.5	48.4	46.7	51.0	-
3144	Women's footwear, except athletic	55.0	53.5	53.4	53.4	-	47.4	46.1	46.1	46.1	-
316	Luggage	16.1	16.5	15.7	16.1	-	12.0	12.4	11.8	12.2	-
317	Handbags and personal leather goods	30.0	30.1	28.6	29.5	-	25.6	25.5	23.6	24.5	-
-	TRANSPORTATION AND PUBLIC UTILITIES	5,134	5,159	5,177	5,173	5,215	4,275	4,304	4,293	4,291	4,343
40	RAILROAD TRANSPORTATION	534.8	534.9	514.9	511.5	-	-	-	-	-	-
4011	Class 1 railroads ²	481.2	481.3	465.4	462.0	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	223.2	273.2	225.3	224.6	-	203.2	252.6	206.3	205.1	-
411	Local and suburban transportation	78.7	82.2	81.7	81.7	-	71.9	75.8	74.6	74.3	-
412	Taxicabs	50.9	51.1	49.9	49.3	-	-	-	-	-	-
413	Intercity highway transportation	41.8	40.5	41.9	43.0	-	38.6	37.0	38.5	39.4	-
415	School buses	37.6	84.4	37.9	36.3	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	1,270.1	1,269.8	1,247.6	1,255.3	-	1,110.4	1,112.6	1,089.4	1,097.1	-
421,3	Trucking and trucking terminals	1,182.7	1,181.7	1,168.1	1,172.6	-	1,036.6	1,037.8	1,023.0	1,027.9	-
422	Public warehousing	87.4	88.1	79.5	82.7	-	73.8	74.8	66.4	69.2	-
44	WATER TRANSPORTATION	219.6	217.2	219.7	214.5	-	-	-	-	-	-
45	TRANSPORTATION BY AIR	460.2	452.7	468.2	468.6	-	-	-	-	-	-
451,2	Air transportation	410.5	403.3	416.8	417.2	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	22.5	21.8	23.2	23.0	-	16.4	15.7	16.3	16.2	-
47	TRANSPORTATION SERVICES	195.8	194.2	214.9	215.5	-	-	-	-	-	-
48	COMMUNICATION	1,363.0	1,359.6	1,376.7	1,374.6	-	1,016.5	1,013.1	1,029.5	1,029.4	-
481	Telephone communication	1,079.6	1,074.5	1,078.9	1,077.5	-	784.2	779.4	785.6	786.1	-
483	Radio and television broadcasting	199.9	200.0	203.2	203.2	-	159.5	159.8	164.3	164.3	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	844.3	835.4	886.7	885.8	-	690.4	681.6	725.7	725.4	-
491	Electric services	399.5	397.4	419.0	418.5	-	322.7	320.7	339.5	339.4	-
492	Gas production and distribution	173.8	170.2	181.6	181.4	-	142.9	138.9	148.8	148.6	-
493	Combination utility services	197.7	195.0	211.6	211.6	-	161.3	158.7	173.4	173.3	-
495	Sanitary services	49.5	49.6	50.5	50.4	-	43.8	44.0	44.1	44.2	-
-	WHOLESALE AND RETAIL TRADE	20,373	20,495	20,735	20,820	20,912	17,857	17,963	18,116	18,197	18,265
50,51	WHOLESALE TRADE	5,287	5,293	5,376	5,389	5,375	4,323	4,320	4,380	4,385	4,374
50	WHOLESALE TRADE - DURABLE GOODS	3,106	3,108	3,202	3,207	-	2,537	2,532	2,602	2,602	-
501	Motor vehicles and automotive equipment	413.6	413.5	418.1	420.2	-	333.4	332.9	336.7	338.6	-
502	Furniture and home furnishing	114.9	115.2	119.1	121.0	-	93.6	94.0	96.8	98.6	-
503	Lumber and construction materials	190.0	190.5	195.2	195.2	-	156.4	157.0	160.6	160.8	-
504	Sporting goods, toys, and hobby goods	70.5	71.6	74.8	75.6	-	57.5	58.6	60.3	60.6	-
505	Metals and minerals, except petroleum	149.6	150.4	156.2	155.9	-	119.9	120.6	126.3	125.4	-
506	Electrical goods	418.0	417.2	422.0	423.0	-	338.7	338.0	340.3	340.8	-
507	Hardware, plumbing, and heating equipment	241.4	240.4	247.6	246.7	-	198.3	197.0	202.7	201.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	WHOLESALE TRADE-DURABLE GOODS—										
	Continued										
508	Machinery, equipment, and supplies	1,306.6	1,306.1	1,365.4	1,365.2	-	1,068.2	1,062.2	1,106.5	1,103.5	-
509	Miscellaneous durable goods	201.5	202.7	203.6	204.1	-	170.7	171.5	172.1	172.3	-
51	WHOLESALE TRADE-NONDURABLE GOODS ..	2,181	2,185	2,174	2,182	-	1,786	1,788	1,778	1,783	-
511	Paper and paper products	151.5	151.7	155.3	155.5	-	124.1	123.5	126.4	126.0	-
512	Drugs, proprietaries, and sundries	146.4	146.6	151.4	151.5	-	123.9	123.5	128.2	127.8	-
513	Apparel, piece goods, and notions	169.7	169.9	168.7	170.2	-	134.6	134.7	132.6	133.2	-
514	Groceries and related products	696.8	697.6	688.0	690.8	-	603.0	603.0	591.4	593.6	-
516	Chemicals and allied products	128.7	128.4	130.2	131.2	-	93.4	92.5	94.3	94.6	-
517	Petroleum and petroleum products	224.2	221.0	226.9	226.3	-	164.2	161.3	171.7	171.0	-
518	Beer, wine, and distilled beverages	140.7	138.8	144.9	144.9	-	118.2	116.6	121.8	121.4	-
519	Miscellaneous nondurable goods	384.8	384.9	383.2	380.4	-	311.7	313.1	310.9	309.4	-
52-59	RETAIL TRADE	15,046	15,202	15,359	15,431	15,537	13,534	13,643	13,736	13,812	13,891
52	BUILDING MATERIALS AND GARDEN										
	SUPPLIES	618.1	617.3	629.0	623.5	-	523.0	520.9	532.0	526.8	-
521	Lumber and other building materials	329.4	328.2	332.3	331.6	-	279.4	277.9	282.0	281.1	-
525	Hardware stores	149.1	148.8	152.6	150.3	-	127.4	127.0	130.2	128.2	-
53	GENERAL MERCHANDISE STORES	2,170.5	2,189.3	2,224.5	2,231.5	-	2,014.8	2,033.8	2,002.5	2,016.6	-
531	Department stores	1,794.0	1,812.0	1,848.2	1,852.9	-	1,677.2	1,694.8	1,662.5	1,674.6	-
533	Variety stores	255.4	257.1	248.4	249.8	-	235.0	236.7	230.1	231.7	-
539	Misc. general merchandise stores	121.1	120.2	127.9	128.8	-	102.6	102.3	109.9	110.3	-
54	FOOD STORES	2,391.6	2,413.2	2,448.9	2,457.2	-	2,209.5	2,230.8	2,271.2	2,281.7	-
541	Grocery stores	2,098.7	2,120.2	2,151.7	2,159.6	-	1,943.9	1,965.4	2,001.4	2,010.9	-
542	Meat markets and freezer provisioners	54.1	55.0	55.5	55.4	-	-	-	-	-	-
546	Retail bakeries	127.5	129.0	124.6	125.0	-	116.6	117.6	114.3	115.1	-
55	AUTOMOTIVE DEALERS AND SERVICE										
	STATIONS	1,689.4	1,679.5	1,687.3	1,685.2	-	1,431.9	1,422.3	1,431.4	1,428.5	-
551.2	New and used car dealers	772.6	771.5	767.1	765.0	-	632.9	631.8	628.4	627.3	-
553	Auto and home supply stores	265.5	264.3	273.7	274.8	-	230.3	229.2	237.2	238.0	-
554	Gasoline service stations	571.1	565.5	564.8	565.0	-	498.5	493.2	495.2	493.9	-
56	APPAREL AND ACCESSORY STORES	941.1	952.1	957.4	963.6	-	804.5	813.0	818.8	825.8	-
561	Men's and boys' clothing and furnishings	129.8	130.5	131.1	129.6	-	109.5	109.8	111.1	109.7	-
562	Women's ready-to-wear stores	340.7	347.8	343.0	345.7	-	294.3	300.8	297.4	299.9	-
565	Family clothing stores	180.6	179.7	185.0	186.4	-	157.3	155.8	161.5	164.6	-
566	Shoe stores	191.5	194.3	198.3	202.0	-	158.4	160.9	163.3	166.0	-
57	FURNITURE AND HOME FURNISHINGS										
	STORES	595.8	604.8	608.4	605.3	-	493.8	501.9	502.7	499.4	-
571	Furniture and home furnishings stores	372.3	374.1	380.7	378.0	-	309.7	311.2	315.6	312.9	-
572	Household appliance stores	82.1	83.2	83.0	82.3	-	70.2	71.5	71.1	70.3	-
573	Radio, television, and music stores	141.4	147.5	144.7	145.0	-	113.9	119.2	116.0	116.2	-
58	EATING AND DRINKING PLACES	4,814.2	4,846.9	4,889.0	4,928.1	-	4,426.5	4,461.5	4,510.0	4,544.4	-
59	MISCELLANEOUS RETAIL	1,865.0	1,899.0	1,914.1	1,936.4	-	1,629.5	1,658.9	1,667.1	1,688.5	-
591	Drug stores and proprietary stores	486.5	490.8	486.7	491.8	-	440.4	444.5	440.0	444.7	-
592	Liquor stores	126.7	126.0	130.4	130.6	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	575.0	590.7	612.9	623.8	-	490.0	501.9	521.7	533.0	-
596	Nonstore retailers	258.8	271.5	260.9	265.1	-	241.2	253.4	240.2	244.0	-
598	Fuel and ice dealers	100.8	101.3	100.6	99.9	-	84.4	84.6	83.5	82.7	-
599	Retail stores, nec.	257.8	260.4	264.7	267.0	-	214.4	217.4	221.5	223.7	-
-	FINANCE, INSURANCE, AND REAL										
	ESTATE ²	5,238	5,201	5,408	5,408	5,351	3,976	3,937	4,098	4,093	4,040
60	BANKING	1,586.6	1,573.8	1,641.0	1,641.0	-	1,223.5	1,210.8	1,256.4	1,254.7	-
602	Commercial and stock savings banks	1,447.5	1,435.5	1,495.4	1,495.6	-	1,109.3	1,097.3	1,139.0	1,137.4	-
61	CREDIT AGENCIES OTHER THAN BANKS	566.7	567.3	581.5	578.4	-	428.1	427.8	442.1	439.0	-
612	Savings and loan associations	250.0	250.6	268.3	267.3	-	189.9	190.0	203.4	202.3	-
614	Personal credit institutions	202.7	203.2	197.9	195.7	-	152.4	152.8	153.0	151.6	-
62	SECURITY, COMMODITY BROKERS, AND										
	SERVICES	226.7	226.6	249.9	251.4	-	-	-	-	-	-
621	Security brokers and dealers	184.1	184.0	205.0	206.4	-	-	-	-	-	-
63	INSURANCE CARRIERS	1,231.4	1,228.1	1,245.0	1,241.9	-	861.6	857.2	863.3	858.8	-
631	Life insurance	534.0	532.2	537.7	536.9	-	327.7	326.5	335.0	332.7	-

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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	INSURANCE CARRIERS—Continued										
632	Medical service and health insurance	143.8	143.7	145.0	144.6	-	115.5	115.1	115.2	114.9	-
633	Fire, marine, and casualty insurance	482.7	480.5	487.0	486.6	-	362.4	359.0	354.1	353.7	-
64	INSURANCE AGENTS, BROKERS, AND SERVICE	456.7	455.2	470.4	471.6	-	-	-	-	-	-
65	REAL ESTATE	1,029.6	1,010.6	1,070.7	1,071.9	-	-	-	-	-	-
651	Real estate operators and lessors	471.8	464.9	491.8	491.1	-	-	-	-	-	-
653	Real estate agents and managers	391.0	384.5	404.8	407.0	-	-	-	-	-	-
655	Subdividers and developers	145.4	139.5	152.5	152.0	-	-	-	-	-	-
66	COMBINED REAL ESTATE, INSURANCE, ETC.	21.2	21.1	21.2	21.2	-	-	-	-	-	-
67	HOLDING AND OTHER INVESTMENT OFFICES.	118.8	118.1	128.7	130.3	-	-	-	-	-	-
-	SERVICES	18,136	18,087	18,847	18,841	18,795	16,159	16,094	16,770	16,762	16,707
70	HOTELS AND OTHER LODGING PLACES	1,218.6	1,151.4	1,237.0	1,237.7	-	-	-	-	-	-
701	Hotels, motels, and tourist courts	1,150.7	1,113.2	1,161.2	1,158.0	-	1,059.7	1,023.8	1,065.5	1,063.8	-
72	PERSONAL SERVICES	877.8	880.8	884.3	879.4	-	-	-	-	-	-
721	Laundry, cleaning, and garment services	353.8	354.0	354.4	352.2	-	316.2	316.3	317.1	315.2	-
723	Beauty shops	283.5	285.5	284.3	284.0	-	263.9	266.0	263.8	264.2	-
726	Funeral service and crematories	69.7	69.1	73.2	73.6	-	-	-	-	-	-
73	BUSINESS SERVICES	3,125.2	3,173.8	3,326.3	3,364.1	-	2,732.6	2,774.3	2,908.1	2,946.9	-
731	Advertising	153.0	153.2	157.0	156.5	-	115.8	116.0	121.0	120.6	-
732	Credit reporting and collection	73.2	73.3	72.0	72.1	-	-	-	-	-	-
733	Mailing, reproduction, stenographic	119.7	121.8	128.8	129.6	-	-	-	-	-	-
734	Services to buildings	493.2	493.3	516.8	523.5	-	449.8	447.3	469.4	475.7	-
736	Personnel supply services	567.0	597.7	617.9	634.2	-	-	-	-	-	-
737	Computer and data processing services	310.2	311.8	347.1	348.9	-	259.7	261.1	290.1	291.9	-
75	AUTO REPAIR, SERVICES, AND GARAGES	568.2	570.0	578.7	581.1	-	484.7	486.1	493.0	494.9	-
753	Automotive repair shops	350.9	350.5	357.3	360.0	-	298.5	298.2	302.4	304.7	-
76	MISCELLANEOUS REPAIR SERVICES	288.3	287.1	296.2	299.9	-	235.8	235.4	248.4	252.8	-
78	MOTION PICTURES	210.1	199.5	221.1	225.2	-	186.8	176.4	190.2	193.1	-
781	Motion picture production and services	56.4	56.2	61.9	66.4	-	48.4	46.2	50.7	53.3	-
783	Motion picture theaters	140.7	132.0	148.5	148.3	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	884.9	820.9	933.9	931.7	-	811.0	743.5	853.3	851.7	-
80	HEALTH SERVICES	5,329.6	5,325.2	5,581.2	5,590.7	-	4,766.9	4,757.0	4,997.7	5,005.5	-
801	Offices of physicians	757.0	756.8	790.4	791.1	-	623.2	620.2	652.8	653.3	-
802	Offices of dentists	340.2	343.6	358.7	358.8	-	296.9	300.4	317.2	317.0	-
805	Nursing and personal care facilities	1,018.4	1,013.3	1,057.6	1,061.5	-	918.4	912.8	957.2	960.2	-
806	Hospitals	2,775.2	2,773.5	2,910.2	2,911.9	-	2,548.8	2,545.1	2,668.9	2,670.8	-
81	LEGAL SERVICES	507.6	503.9	551.8	548.4	-	435.6	430.0	475.2	470.0	-
82	EDUCATIONAL SERVICES	984.9	1,100.7	975.2	956.9	-	-	-	-	-	-
821	Elementary and secondary schools	268.0	290.8	259.2	249.5	-	-	-	-	-	-
822	Colleges and universities	605.3	695.2	599.0	591.9	-	-	-	-	-	-
83	SOCIAL SERVICES	1,179.3	1,143.9	1,191.5	1,178.6	-	-	-	-	-	-
86	MEMBERSHIP ORGANIZATIONS	1,557.9	1,548.8	1,594.8	1,581.4	-	-	-	-	-	-
89	MISCELLANEOUS SERVICES	1,011.0	996.0	1,055.4	1,052.7	-	844.5	828.4	884.0	877.1	-
891	Engineering and architectural services	554.7	547.7	581.0	578.7	-	473.6	464.6	497.2	490.8	-
893	Accounting, auditing, and bookkeeping	320.6	318.3	336.8	336.6	-	257.9	255.9	270.4	270.6	-
-	GOVERNMENT	15,430	15,841	15,387	15,153	15,426	-	-	-	-	-
-	FEDERAL GOVERNMENT	2,862	2,754	2,833	2,803	2,730	-	-	-	-	-
-	Executive, by agency ⁴	2,805.5	2,699.1	2,776.7	2,748.1	-	-	-	-	-	-
-	Department of Defense	894.7	883.5	940.6	930.7	-	-	-	-	-	-
-	Postal Service	665.1	657.1	663.8	663.3	-	-	-	-	-	-
-	Other executive agencies	1,245.7	1,158.5	1,172.3	1,154.1	-	-	-	-	-	-
-	Legislative	41.1	39.6	40.9	39.7	-	-	-	-	-	-
-	Judicial	15.0	15.0	15.2	15.3	-	-	-	-	-	-

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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	FEDERAL GOVERNMENT—Continued										
	Federal Government, by industry										
—	Manufacturing activities	107.2	103.6	112.5	112.1	—	—	—	—	—	—
3731	Shipbuilding and repairing	56.0	53.9	58.6	58.6	—	—	—	—	—	—
—	Transportation and public utilities, except										
—	Postal Service	40.7	41.4	41.3	41.5	—	—	—	—	—	—
—	Services	419.1	410.5	413.2	414.6	—	—	—	—	—	—
808	Federal government hospitals	234.3	230.8	233.5	233.0	—	—	—	—	—	—
—	STATE AND LOCAL GOVERNMENT	12,568	13,087	12,554	12,350	12,696	—	—	—	—	—
—	State government	3,411.4	3,524.0	3,379.0	3,365.1	—	—	—	—	—	—
808	State government hospitals	535.6	531.7	534.3	534.4	—	—	—	—	—	—
82	State education	1,167.5	1,316.6	1,151.8	1,146.6	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	1,057.0	1,039.6	1,051.2	1,039.5	—	—	—	—	—	—
—	Local government	9,156.4	9,563.3	9,174.8	8,985.3	—	—	—	—	—	—
—	Transportation and public utilities	628.4	625.2	645.1	642.4	—	—	—	—	—	—
808	Local government hospitals	612.4	611.8	633.8	632.0	—	—	—	—	—	—
82	Local education	4,283.2	4,932.5	4,303.9	4,191.3	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	3,185.2	2,989.0	3,171.9	3,104.0	—	—	—	—	—	—

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 1980 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 1980	July 1980	May 1981	June 1981	July 1981
	TOTAL	38,237	37,314	39,301	39,455	38,628
	PRIVATE SECTOR	30,415	30,242	31,312	31,664	31,557
	MINING	106	106	116	127	130
10	METAL MINING	9.9	8.5	9.3	9.7	9.6
11, 12	COAL MINING	10.7	10.5	4.5	10.9	11.4
13	OIL AND GAS EXTRACTION	75.5	77.6	92.6	96.6	99.1
131, 2	Crude petroleum, natural gas, and natural gas liquids.....	49.5	50.9	58.7	61.7	63.5
138	Oil and gas field services.....	26.0	26.7	33.9	34.9	35.6
14	NONMETALLIC MINERALS, EXCEPT FUELS	9.7	9.6	10.0	10.2	10.2
142	Crushed and broken stone.....	2.7	2.8	2.7	2.7	2.7
144	Sand and gravel.....	3.2	3.1	3.2	3.3	3.3
	CONSTRUCTION	381	381	395	404	409
	GENERAL BUILDING CONTRACTORS	134.7	133.3	138.1	141.5	142.6
152	Residential building construction.....	79.9	79.0	81.8	84.8	85.8
153	Operative builders.....	13.9	13.7	14.8	14.6	14.5
154	Nonresidential building construction.....	40.9	40.6	41.5	42.1	42.3
16	HEAVY CONSTRUCTION CONTRACTORS	63.3	64.4	61.4	64.3	65.9
161	Highway and street construction.....	19.4	19.9	17.1	18.2	18.4
162	Heavy construction, except highway.....	43.9	44.5	44.3	46.1	47.5
17	SPECIAL TRADE CONTRACTORS	183.0	183.7	195.5	198.0	200.6
171	Plumbing, heating, air conditioning.....	50.1	50.7	53.7	54.5	55.2
172	Painting, paper hanging, decorating.....	11.8	11.7	12.8	12.8	12.7
173	Electrical work.....	33.9	34.2	36.7	36.7	37.1
174	Masonry, stonework, and plastering.....	20.7	21.2	23.2	23.7	24.0
175	Carpentering and flooring.....	14.1	14.1	15.2	15.6	15.7
176	Roofing and sheet metal work.....	13.2	13.2	13.7	13.7	13.7
	MANUFACTURING	6,264	6,096	6,371	6,449	6,370
24, 25, 32-39	DURABLE GOODS	2,963	2,891	3,066	3,099	3,064
20-23, 26-31	NONDURABLE GOODS	3,301	3,205	3,305	3,350	3,306
	DURABLE GOODS					
24	LUMBER AND WOOD PRODUCTS	98.2	96.8	107.6	107.5	106.8
241	Logging camps and logging contractors.....	5.3	5.4	5.6	5.5	5.9
242	Sawmills and planing mills.....	20.2	19.9	20.5	20.7	20.5
2421	Sawmills and planing mills, general.....	14.3	14.4	14.4	14.6	14.7
243	Millwork, plywood, and structural members.....	38.1	37.9	44.7	44.2	44.0
244	Wood containers.....	7.0	6.9	7.3	7.2	7.1
245	Wood buildings and mobile homes.....	7.5	7.5	8.7	8.8	8.6
249	Miscellaneous wood products.....	20.1	19.2	20.8	21.1	20.7
25	FURNITURE AND FIXTURES	133.7	127.0	144.6	145.2	142.0
251	Household furniture.....	96.0	89.4	104.2	104.2	101.2
2511	Wood household furniture.....	42.0	37.8	44.3	44.5	43.5
2512	Upholstered household furniture.....	32.1	30.9	34.9	35.2	34.3
2515	Mattresses and bedsprings.....	8.0	7.7	8.3	8.5	8.3
252	Office furniture.....	12.4	12.1	13.1	13.3	13.0
253	Public building and related furniture.....	5.1	5.0	5.3	5.4	5.4
254	Partitions and fixtures.....	10.2	10.3	10.8	10.8	10.8
259	Miscellaneous furniture and fixtures.....	10.0	10.2	11.2	11.5	11.6
32	STONE, CLAY, AND GLASS PRODUCTS	125.3	121.9	127.9	130.7	130.0
322	Glass and glassware, pressed or blown.....	41.7	40.7	41.2	41.8	41.4
3221	Glass containers.....	23.6	23.0	23.2	23.5	23.4
3229	Pressed and blown glass, nec.....	18.1	17.7	18.0	18.3	18.0
323	Products of purchased glass.....	13.0	13.0	13.2	13.9	13.8
324	Cement, hydraulic.....	1.7	1.7	1.7	1.9	1.8
325	Structural clay products.....	6.5	6.3	6.6	6.7	6.7
326	Pottery and related products.....	15.3	13.3	14.5	14.5	14.5
327	Concrete, gypsum, and plaster products.....	15.2	15.4	15.4	15.4	15.2
329	Misc. nonmetallic mineral products.....	29.5	29.1	32.5	33.1	33.1
33	PRIMARY METAL INDUSTRIES	121.6	115.9	127.2	127.4	125.2
331	Blast furnace and basic steel products.....	38.2	36.6	42.3	42.6	42.6
3312	Blast furnaces and steel mills.....	28.9	27.7	32.0	32.4	32.5
332	Iron and steel foundries.....	18.2	17.5	18.4	18.0	17.9

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	June 1980	July 1980	May 1981	June 1981	July 1981
PRIMARY METAL INDUSTRIES—Continued						
3321	Gray iron foundries	8.4	8.0	9.0	9.1	9.0
3322	Malleable iron foundries	1.1	.9	1.1	1.1	1.1
3325	Steel foundries, nec	5.2	5.0	4.8	4.6	4.6
333	Primary nonferrous metals	5.6	4.9	5.2	5.2	5.2
3334	Primary aluminum	2.4	2.4	2.3	2.4	2.4
335	Nonferrous rolling and drawing	40.2	38.6	39.6	39.7	38.2
3351	Copper rolling and drawing	3.3	3.3	3.5	3.6	3.6
3353	Aluminum sheet, plate, and foil	4.2	3.8	4.0	4.1	4.0
3357	Nonferrous wire drawing and insulating	24.1	23.1	23.9	23.7	22.4
336	Nonferrous foundries	13.8	12.8	15.8	15.9	15.2
3361	Aluminum foundries	6.9	6.5	8.1	8.1	7.7
34	FABRICATED METAL PRODUCTS	323.3	312.5	339.5	342.6	337.1
341	Metal cans and shipping containers	12.7	12.6	12.8	13.1	13.0
3411	Metal cans	11.0	10.9	11.0	11.2	11.1
342	Cutlery, hand tools, and hardware	54.0	49.6	58.0	58.5	57.4
3423, 5	Hand and edge tools, and hand saws and blades	16.2	14.9	16.5	16.7	16.4
3429	Hardware, nec	30.9	28.6	35.0	35.3	34.6
343	Plumbing and heating, except electric	14.9	14.4	16.5	16.5	16.7
344	Fabricated structural metal products	69.0	69.4	72.0	72.8	72.6
3441	Fabricated structural metal	7.5	7.1	7.4	7.4	7.4
3442	Metal doors, sash, and trim	18.4	19.2	20.2	20.7	20.8
3443	Fabricated plate work (boiler shops)	18.2	18.1	18.7	18.8	18.7
3444	Sheet metal work	15.4	15.5	16.0	16.1	15.9
345	Screw machine products, bolts, etc.	24.2	22.8	23.7	23.6	23.3
3451	Screw machine products	12.4	11.6	12.3	12.2	11.9
3452	Bolts, nuts, rivets, and washers	11.8	11.2	11.4	11.4	11.4
346	Metal forgings and stampings	48.2	46.7	53.9	54.1	51.5
3462	Iron and steel forgings	4.3	4.2	4.3	4.3	4.3
3465	Automotive stampings	10.2	9.8	13.9	14.1	12.8
3469	Metal stampings, nec	31.3	30.3	33.1	33.1	31.8
347	Metal services, nec	23.8	22.9	24.3	24.5	24.5
3471	Plating and polishing	16.8	15.9	17.3	17.4	17.4
3479	Metal coating and allied services	7.0	7.0	7.0	7.1	7.1
348	Ordnance and accessories, nec	17.3	17.1	17.3	17.4	16.9
349	Misc. fabricated metal products	59.2	57.0	61.0	62.1	61.2
3494	Valves and pipe fittings	23.2	22.4	23.1	23.5	23.3
3496	Misc. fabricated wire products	14.0	13.3	14.7	14.9	14.5
35	MACHINERY, EXCEPT ELECTRICAL	491.2	485.4	505.3	511.3	509.4
351	Engines and turbines	24.9	24.6	22.9	23.5	23.7
3511	Turbines and turbine generator sets	6.2	6.1	5.8	5.9	5.9
3519	Internal combustion engines, nec	18.7	18.5	17.1	17.6	17.8
352	Farm and garden machinery	26.6	25.8	26.7	25.5	25.4
3523	Farm machinery and equipment	21.2	20.9	20.6	20.3	20.2
353	Construction and related machinery	48.1	47.5	51.6	52.5	53.3
3531	Construction machinery	14.2	13.9	15.2	15.6	15.6
3533	Oil field machinery	13.6	13.7	15.3	15.7	16.3
354	Metalworking machinery	58.0	56.8	58.3	58.7	57.5
3541	Machine tools, metal cutting types	10.6	10.6	10.5	10.6	10.6
3544	Special dies, tools, jigs, and fixtures	15.7	15.4	16.2	16.4	16.2
3545	Machine tool accessories	14.2	13.7	14.0	14.0	13.7
355	Special industry machinery	31.2	31.0	30.3	31.3	31.0
3551	Food products machinery	6.6	6.4	5.8	5.8	5.7
3552	Textile machinery	5.1	5.0	4.8	4.8	4.7
3555	Printing trades machinery	6.8	7.1	7.3	7.6	7.7
356	General industrial machinery	62.3	61.2	62.7	63.1	62.3
3561	Pumps and pumping equipment	11.5	11.4	11.6	11.6	11.6
3562	Ball and roller bearings	13.9	13.6	14.0	13.8	13.4
357	Office and computing machines	155.1	155.0	160.8	163.7	165.5
3573	Electronic computing equipment	126.4	126.4	132.8	135.4	137.1
358	Refrigeration and service machinery	36.0	35.7	40.1	40.8	39.1
3585	Refrigeration and heating equipment	23.3	23.1	27.3	27.5	25.8
359	Misc. machinery, except electrical	49.0	47.8	51.9	52.2	51.6
3599	Machinery, except electrical, nec	39.5	39.1	40.2	40.8	40.4
36	ELECTRIC AND ELECTRONIC EQUIPMENT	885.3	861.2	912.1	920.7	909.2
361	Electric distributing equipment	44.1	41.2	46.3	47.2	44.7
3612	Transformers	18.3	17.1	18.6	19.1	18.1
3613	Switchgear and switchboard apparatus	25.8	24.1	27.7	28.1	26.6
362	Electrical industrial apparatus	87.8	85.3	91.8	92.3	91.0
3621	Motors and generators	46.1	44.4	50.7	50.7	49.5
3622	Industrial controls	29.2	28.8	28.6	28.8	28.6
363	Household appliances	54.5	52.3	62.3	62.8	62.6
3632	Household refrigerators and freezers	8.8	8.1	11.4	11.7	11.5
3633	Household laundry equipment	3.2	3.6	4.4	4.6	4.8
3634	Electric housewares and fans	27.5	25.9	28.2	28.4	28.8
364	Electric lighting and wiring equipment	94.3	90.1	96.0	97.7	94.3
3641	Electric lamps	21.9	22.1	20.4	21.3	20.2

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	June 1980	July 1980	May 1981	June 1981	July 1981
ELECTRIC AND ELECTRONIC EQUIPMENT—Continued						
3643	Current-carrying wiring devices	43.3	41.2	43.6	44.4	43.4
365	Radio and TV receiving equipment	57.3	54.3	58.0	58.0	57.7
3651	Radio and TV receiving sets	43.4	41.2	44.6	45.1	44.9
366	Communication equipment	205.0	204.2	207.4	209.5	208.7
3661	Telephone and telegraph apparatus	78.9	77.0	74.9	73.9	73.2
3662	Radio and TV communication equipment	126.1	127.2	132.5	135.6	135.5
367	Electronic components and accessories	291.5	284.4	290.3	292.8	289.8
3671-3	Electronic tubes	16.2	16.2	16.4	16.5	16.5
3674	Semiconductors and related devices	108.8	109.0	108.0	108.1	107.8
3679	Electronic components, nec	115.1	111.9	117.3	118.6	116.0
369	Misc. electrical equipment and supplies	50.8	49.4	60.0	60.4	60.4
3694	Engine electrical equipment	22.2	21.8	30.2	30.3	30.4
		285.3	284.9	303.4	309.5	307.2
37	TRANSPORTATION EQUIPMENT	100.3	96.7	105.2	109.2	105.8
371	Motor vehicles and equipment	40.9	40.7	37.3	38.9	37.8
3711	Motor vehicles and car bodies	4.0	4.1	3.5	3.8	3.8
3713	Truck and bus bodies	52.3	48.8	60.7	62.6	60.4
3714	Motor vehicle parts and accessories	118.6	121.2	125.2	126.0	126.3
372	Aircraft and parts	63.3	65.7	69.8	70.7	71.5
3721	Aircraft	28.3	28.4	28.2	28.1	27.7
3724	Aircraft engines and engine parts	27.0	27.1	27.2	27.2	27.1
3728	Aircraft equipment, nec	20.9	21.0	23.8	24.9	25.3
373	Ship and boat building and repairing	15.8	16.1	16.8	17.9	18.3
3731	Ship building and repairing	7.0	6.7	5.6	5.5	5.4
374	Railroad equipment	24.2	24.5	26.7	27.0	27.6
376	Guided missiles, space vehicles, parts	20.1	20.4	22.2	22.4	23.0
3761	Guided missiles and space vehicles	7.1	7.8	8.3	8.3	8.0
379	Miscellaneous transportation equipment					
		303.1	299.7	305.3	308.5	305.6
38	INSTRUMENTS AND RELATED PRODUCTS	23.6	23.9	24.4	24.5	24.5
381	Engineering and scientific instruments	104.8	103.3	107.0	107.9	106.4
382	Measuring and controlling devices	23.3	21.7	23.6	22.9	23.3
3822	Environmental controls	18.3	18.4	19.3	19.9	19.6
3823	Process control instruments	47.1	47.1	48.6	49.3	48.3
3825	Instruments to measure electricity	11.8	11.6	11.3	11.7	11.8
383	Optical instruments and lenses	84.6	84.2	86.4	86.9	85.4
384	Medical instruments and supplies	41.1	41.1	42.3	42.6	42.3
3841	Surgical and medical instruments	35.4	35.0	35.8	36.1	35.0
3842	Surgical appliances and supplies	25.7	24.5	25.4	25.2	24.8
385	Ophthalmic goods	39.0	39.6	39.9	41.5	41.9
386	Photographic equipment and supplies	13.6	12.6	10.9	10.7	10.8
387	Watches, clocks, and watchcases					
		196.0	185.8	193.1	195.5	191.8
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	25.1	23.3	25.4	25.4	23.7
391	Jewelry, silverware, and plated ware	8.7	8.9	10.3	10.3	10.3
393	Musical instruments	62.4	59.9	60.4	61.6	61.8
394	Toys and sporting goods	34.3	33.3	32.9	34.4	35.2
3942, 4	Dolls, games, toys, and children's vehicles	28.1	26.6	27.5	27.2	26.6
3949	Sporting and athletic goods, nec	20.7	20.0	20.8	20.9	21.1
395	Pens, pencils, office and art supplies	30.0	26.3	27.4	27.6	25.3
396	Costume jewelry and notions	49.1	47.4	48.8	49.7	49.6
399	Miscellaneous manufactures					
		493.5	511.5	478.3	489.1	510.3
20	FOOD AND KINDRED PRODUCTS	117.9	117.2	113.5	114.3	114.4
201	Meat products	30.1	29.5	28.5	29.1	28.9
2011	Meat packing plants	20.7	20.8	20.5	20.9	20.9
2013	Sausages and other prepared meats	60.6	60.3	57.6	58.1	59.0
2016	Poultry dressing plants	39.0	38.9	37.3	38.6	38.6
202	Dairy products	17.8	17.7	17.4	17.6	17.5
2026	Fluid milk	94.8	111.3	86.3	87.9	108.6
203	Preserved fruits and vegetables	8.3	8.4	8.5	8.3	8.5
2032	Canned specialties	28.2	47.5	25.5	25.4	45.9
2033	Canned fruits and vegetables	22.7	18.8	19.9	21.0	18.9
2037	Frozen fruits and vegetables	29.5	29.6	29.4	30.0	29.7
204	Grain mill products	58.8	58.8	57.3	58.1	57.8
205	Bakery products	39.8	39.5	38.7	39.3	38.8
2051	Bread, cake, and related products	19.0	19.3	18.6	18.8	19.0
2052	Cookies and crackers	37.5	37.7	40.3	40.6	40.5
206	Sugar and confectionery products	6.0	6.1	6.1	6.1	6.0
207	Fats and oils	41.3	41.1	41.4	42.0	42.6
208	Beverages	7.4	7.7	7.6	7.7	8.1
2062	Malt beverages	18.7	18.8	19.1	19.3	19.7
2086	Bottled and canned soft drinks	68.7	70.8	66.7	71.5	72.1
209	Misc. foods and kindred products					
		22.3	22.1	23.0	23.3	23.3
21	TOBACCO MANUFACTURES	14.3	14.2	14.8	15.4	15.4
211	Cigarettes					

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	June 1980	July 1980	May 1981	June 1981	July 1981
22	TEXTILE MILL PRODUCTS	398.2	382.8	399.5	403.0	395.6
221	Weaving mills, cotton	65.6	63.8	61.6	61.8	61.1
222	Weaving mills, synthetics	44.4	46.1	48.9	49.1	48.9
223	Weaving and finishing mills, wool	7.6	6.6	7.4	7.5	6.8
224	Narrow fabric mills	13.7	11.8	14.5	14.6	14.1
225	Knitting mills	143.1	137.9	141.4	143.1	140.8
2251	Women's hosiery, except socks	23.9	23.2	22.3	22.6	22.2
2252	Hosiery, nec	23.7	22.7	24.8	25.1	25.0
2253	Knit outerwear mills	49.2	47.2	50.4	51.3	50.9
2254	Knit underwear mills	24.0	23.3	23.3	23.7	22.6
2257	Circular knit fabric mills	12.9	12.2	12.0	11.9	11.8
226	Textile finishing, except wool	22.6	20.8	21.5	22.0	20.8
2261	Finishing plants, cotton	9.6	9.1	8.8	9.2	8.7
2262	Finishing plants, synthetic	6.3	5.6	6.5	6.6	6.3
227	Floor covering mills	21.8	21.1	22.6	22.4	22.2
228	Yarn and thread mills	60.6	56.8	62.1	62.6	61.5
2281	Yarn mills, except wool	38.4	36.1	39.4	39.5	39.2
2282	Throwing and winding mills	11.6	11.2	11.9	12.1	11.6
229	Miscellaneous textile goods	18.8	17.9	19.5	19.9	19.4
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,038.5	975.5	1,020.9	1,035.1	990.0
231	Men's and boys' suits and coats	62.2	59.1	60.5	61.7	59.7
232	Men's and boys' furnishings	312.7	292.7	298.2	302.4	292.6
2321	Men's and boys' shirts and nightwear	89.1	82.9	84.3	85.8	83.6
2327	Men's and boys' separate trousers	64.6	60.3	62.4	62.8	61.1
2328	Men's and boys' work clothing	88.7	82.3	85.6	86.9	83.0
233	Women's and misses' outerwear	361.7	339.4	354.4	357.8	338.1
2331	Women's and misses' blouses and waists	56.1	52.1	54.9	54.8	54.2
2335	Women's and misses' dresses	125.9	118.6	121.0	122.7	112.2
2337	Women's and misses' suits and coats	57.8	54.9	52.4	54.4	52.3
2339	Women's and misses' outerwear, nec	121.9	113.8	126.1	125.9	119.4
234	Women's and children's undergarments	77.3	73.8	76.7	77.6	75.8
2341	Women's and children's underwear	62.8	60.0	62.1	62.7	61.2
2342	Brassieres and allied garments	14.5	13.8	14.6	14.9	14.6
236	Children's outerwear	57.7	53.4	56.0	57.3	56.4
2361	Children's dresses and blouses	25.1	23.3	24.5	25.0	25.0
238	Misc. apparel and accessories	43.5	40.0	42.1	43.2	40.6
239	Misc. fabricated textile products	108.0	101.7	117.5	119.4	111.6
2391	Curtains and draperies	21.2	19.7	22.2	22.5	21.6
2392	House furnishings, nec	31.1	29.7	31.0	31.5	30.7
2396	Automotive and apparel trimmings	12.5	10.7	19.2	19.4	15.1
26	PAPER AND ALLIED PRODUCTS	159.8	155.9	161.5	163.1	162.6
261, 2,6	Paper and pulp mills	27.9	28.3	27.9	28.8	29.0
262	Paper mills, except building paper	24.9	25.3	25.1	25.9	26.1
263	Paperboard mills	6.1	6.1	5.9	6.1	6.2
264	Misc. converted paper products	76.9	75.1	78.3	78.9	78.9
265	Paperboard containers and boxes	48.9	46.4	49.4	49.3	48.5
27	PRINTING AND PUBLISHING	498.6	495.9	510.2	511.8	512.5
271	Newspapers	159.7	159.2	162.6	164.5	165.0
272	Periodicals	52.9	53.3	53.6	54.1	55.0
273	Books	54.2	53.1	55.6	54.6	53.9
274	Miscellaneous publishing	26.5	26.1	27.6	27.6	27.3
275	Commercial printing	130.0	129.3	137.2	137.0	136.4
2751	Commercial printing, letterpress	54.9	55.1	57.4	57.8	57.2
2752	Commercial printing, lithographic	69.7	68.8	73.3	72.8	72.7
276	Manifold business forms	15.7	15.6	15.6	15.7	15.7
278	Blankbooks and bookbinding	32.9	32.3	32.3	32.2	32.6
279	Printing trade services	10.9	10.9	11.2	11.4	11.6
28	CHEMICALS AND ALLIED PRODUCTS	278.8	277.5	281.8	285.9	285.3
281	Industrial inorganic chemicals	24.3	24.2	24.5	24.9	24.7
2819	Industrial inorganic chemicals, nec	16.2	16.2	16.6	16.7	16.6
282	Plastics materials and synthetics	44.2	43.2	43.3	44.0	44.3
2821	Plastics materials and resins	11.3	11.4	11.5	11.8	12.0
2824	Organic fibers, noncellulosic	25.8	24.9	24.9	25.1	25.2
283	Drugs	82.7	83.2	85.9	87.1	87.4
2834	Pharmaceutical preparations	69.4	69.7	71.9	72.8	73.1
284	Soap, cleaners, and toilet goods	56.4	56.2	56.3	57.2	56.5
2841	Soap and other detergents	9.8	9.5	9.1	9.3	9.1
2844	Toilet preparations	32.6	32.7	33.5	34.2	33.9
285	Paints and allied products	12.7	12.7	12.6	12.8	12.8
286	Industrial organic chemicals	26.4	26.7	26.0	26.5	26.8
2861,9	Gum, wood, and industrial organic chemicals, nec	21.8	22.1	21.7	22.2	22.4
287	Agricultural chemicals	11.2	10.9	11.2	11.3	11.2
289	Miscellaneous chemical products	20.9	20.4	22.0	22.1	21.6

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	June 1980	July 1980	May 1981	June 1981	July 1981
29	PETROLEUM AND COAL PRODUCTS	28.0	28.6	30.1	30.9	31.4
291	Petroleum refining	22.8	23.4	25.0	25.6	26.1
30	RUBBER AND MISC. PLASTICS PRODUCTS	240.3	228.4	259.2	264.5	259.2
301	Tires and inner tubes	11.6	11.3	11.7	11.9	12.0
302	Rubber and plastics footwear	13.4	12.0	12.5	12.7	12.3
303,4	Reclaimed rubber, and rubber and plastics hose and belting	5.7	4.8	6.1	7.4	7.3
306	Fabricated rubber products, nec	34.0	32.5	36.9	37.5	36.7
307	Miscellaneous plastics products	175.6	167.8	192.0	195.0	190.9
31	LEATHER AND LEATHER PRODUCTS	143.0	126.5	140.6	143.0	136.2
311	Leather tanning and finishing	2.6	2.5	3.0	3.0	2.8
314	Footwear, except rubber	98.2	84.8	95.6	97.3	93.4
3143	Men's footwear, except athletic	34.9	29.6	36.1	36.8	34.5
3144	Women's footwear, except athletic	41.0	34.9	36.3	37.6	36.8
316	Luggage	8.7	8.6	8.3	8.7	8.1
317	Handbags and personal leather goods	20.4	19.5	20.2	20.3	19.5
-	TRANSPORTATION AND PUBLIC UTILITIES	1,294	1,275	1,330	1,343	1,327
41	LOCAL AND INTERURBAN PASSENGER					
	TRANSIT	65.9	41.4	73.2	68.6	43.4
411	Local and suburban transportation	12.9	12.7	15.5	15.6	15.1
412	Taxicabs	6.7	6.6	7.2	7.1	7.0
413	Intercity highway transportation	5.2	5.5	5.0	5.1	5.0
415	School buses	38.4	14.4	42.8	38.0	13.9
42	TRUCKING AND WAREHOUSING	150.7	149.4	150.0	152.5	152.4
421,3	Trucking and trucking terminals	135.6	134.3	135.5	137.8	137.1
422	Public warehousing	15.1	15.1	14.5	14.7	15.3
44	WATER TRANSPORTATION	20.7	21.8	21.9	23.0	24.2
45	TRANSPORTATION BY AIR	149.8	150.7	151.8	153.2	154.1
451,2	Air transportation	141.2	142.1	143.1	144.4	145.2
46	PIPE LINES, EXCEPT NATURAL GAS	2.8	2.9	3.1	3.3	3.3
47	TRANSPORTATION SERVICES	91.7	91.7	97.6	101.3	103.2
48	COMMUNICATION	633.2	636.1	639.5	644.9	647.4
481	Telephone communication	548.8	551.0	550.1	553.8	556.0
483	Radio and television broadcasting	63.2	63.7	65.2	66.1	66.1
49	ELECTRIC, GAS, AND SANITARY SERVICES	155.2	156.7	164.4	168.6	171.2
491	Electric services	72.0	72.8	77.2	78.4	79.2
492	Gas production and distribution	37.0	37.6	38.4	39.8	40.8
493	Combination utility services	35.6	35.5	37.9	39.1	39.5
495	Sanitary services	5.5	5.8	5.9	6.2	6.5
-	WHOLESALE AND RETAIL TRADE	8,858	8,795	8,980	9,153	9,106
50,51	WHOLESALE TRADE	1,363	1,360	1,383	1,391	1,386
50	WHOLESALE TRADE-DURABLE GOODS	757	750	772	775	775
501	Motor vehicles and automotive equipment	90.0	89.2	88.7	89.8	89.8
502	Furniture and home furnishings	43.4	43.2	45.4	45.1	45.3
503	Lumber and construction materials	34.4	34.6	36.5	36.8	36.9
504	Sporting goods, toys, and hobby goods	23.4	23.2	25.4	25.4	25.3
505	Metals and minerals, except petroleum	29.5	29.5	29.9	30.2	30.1
506	Electrical goods	121.2	119.5	123.3	124.3	122.6
507	Hardware, plumbing, and heating equipment	66.6	65.5	66.5	66.4	66.8
508	Machinery, equipment, and supplies	301.7	299.1	308.8	309.5	312.0
509	Miscellaneous durable goods	46.6	46.1	47.8	47.7	46.3
51	WHOLESALE TRADE-NONDURABLE GOODS	606	610	611	616	611
511	Paper and paper products	46.2	46.2	48.8	49.2	49.3
512	Drugs, proprietaries, and sundries	64.0	63.1	65.9	66.0	65.4
513	Apparel, piece goods, and notions	82.1	81.8	81.9	83.0	82.6
514	Groceries and related products	161.2	164.7	158.8	161.5	159.9
516	Chemicals and allied products	33.3	33.5	34.8	35.1	35.1
517	Petroleum and petroleum products	51.4	52.6	51.9	52.6	53.3
518	Beer, wine, and distilled beverages	21.0	21.1	22.0	22.2	22.2
519	Miscellaneous nondurable goods	113.8	113.2	114.7	114.8	113.7

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	June 1980	July 1980	May 1981	June 1981	July 1981
52-59	RETAIL TRADE	7,495	7,435	7,597	7,762	7,720
52	BUILDING MATERIALS AND GARDEN SUPPLIES	163.4	159.2	169.3	166.9	164.2
521	Lumber and other building materials	64.8	64.6	67.1	67.8	66.9
525	Hardware stores	54.5	54.6	55.8	56.1	56.7
53	GENERAL MERCHANDISE STORES	1,478.0	1,467.5	1,420.5	1,544.5	1,541.7
531	Department stores	1,203.1	1,193.5	1,146.6	1,268.9	1,266.5
533	Variety stores	195.3	194.1	194.1	193.6	191.4
539	Misc. general merchandise stores	79.6	79.9	79.8	82.0	83.8
54	FOOD STORES	1,011.1	1,013.3	1,044.6	1,056.9	1,051.7
541	Grocery stores	845.3	850.6	872.9	884.1	881.9
542	Meat markets and freezer provisioners	18.5	17.9	16.9	17.4	17.4
546	Retail bakeries	79.3	77.9	81.4	81.4	78.8
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	301.8	300.7	307.3	309.8	314.3
551,2	New and used car dealers	111.5	111.4	113.9	114.3	113.5
553	Auto and home supply stores	46.7	46.1	48.8	48.8	49.9
554	Gasoline service stations	127.6	127.0	128.9	130.7	134.9
56	APPAREL AND ACCESSORY STORES	650.7	645.1	671.9	673.5	667.1
561	Men's and boys' clothing and furnishings	58.4	56.4	57.9	58.2	58.0
562	Women's ready-to-wear stores	302.0	299.7	313.9	312.6	306.2
565	Family clothing stores	133.4	133.3	138.4	140.2	140.7
566	Shoe stores	82.8	81.0	83.5	85.3	84.9
57	FURNITURE AND HOME FURNISHING STORES	198.6	197.0	206.6	204.4	206.0
571	Furniture and home furnishings stores	134.8	133.8	138.4	138.1	139.0
572	Household appliance stores	21.8	22.2	22.5	22.8	23.1
573	Radio, television, and music stores	42.0	41.0	45.7	43.5	43.9
58	EATING AND DRINKING PLACES	2,702.1	2,680.2	2,727.3	2,759.8	2,739.1
59	MISCELLANEOUS RETAIL	989.0	971.8	1,049.0	1,046.6	1,036.1
591	Drug stores and proprietary stores	301.9	297.6	301.3	304.0	303.1
592	Liquor stores	30.2	30.3	33.5	34.6	34.8
594	Miscellaneous shopping goods stores	342.8	338.6	371.6	372.3	370.5
596	Nonstore retailers	146.4	144.2	159.6	160.7	156.5
598	Fuel and ice dealers	22.6	22.3	23.1	22.9	22.7
599	Retail stores, nec	123.7	118.3	139.7	131.6	128.3
-	FINANCE, INSURANCE, AND REAL ESTATE	3,044	3,064	3,159	3,188	3,203
60	BANKING	1,115.4	1,120.4	1,151.2	1,161.1	1,166.5
602	Commercial and stock savings banks	1,026.9	1,031.5	1,059.0	1,068.1	1,073.1
61	CREDIT AGENCIES OTHER THAN BANKS	367.8	372.5	396.9	398.5	398.8
612	Savings and loan associations	178.0	181.1	198.4	198.8	199.0
614	Personal credit institutions	120.2	120.5	127.8	128.3	127.9
62	SECURITY, COMMODITY BROKERS, AND SERVICES	90.4	91.9	101.3	103.1	105.4
621	Security brokers and dealers	72.2	73.5	82.6	84.2	86.3
63	INSURANCE CARRIERS	744.8	749.5	756.1	758.9	761.5
631	Life insurance	291.8	294.2	300.0	302.1	302.7
632	Medical service and health insurance	102.9	104.3	105.1	105.2	105.0
633	Fire, marine, and casualty insurance	303.0	304.0	301.5	302.1	303.4
64	INSURANCE AGENTS, BROKERS, AND SERVICE	281.5	283.5	291.0	294.4	296.5
65	REAL ESTATE	369.1	370.4	382.6	392.1	393.5
651	Real estate operators and lessors	142.4	142.2	149.3	153.8	153.5
653	Real estate agents and managers	176.8	178.5	175.2	183.4	184.7
655	Subdividers and developers	35.4	35.2	39.0	39.7	40.5
66	COMBINED REAL ESTATE, INSURANCE, ETC.	13.5	13.4	12.9	12.8	12.8
67	HOLDING AND OTHER INVESTMENT OFFICES	61.1	62.1	66.5	66.6	68.2
-	SERVICES	10,468	10,525	10,961	11,000	11,012
70	HOTELS AND OTHER LODGING PLACES	629.6	664.0	613.7	643.0	677.1
701	Hotels, motels, and tourist courts	606.2	628.8	594.3	617.6	637.5

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	June 1980	July 1980	May 1981	June 1981	July 1981
72	PERSONAL SERVICES	607.5	604.8	609.1	609.4	608.0
721	Laundry, cleaning, and garment services	225.3	223.4	226.4	227.0	223.6
723	Beauty shops	253.2	255.1	253.3	252.5	253.6
726	Funeral service and crematories	19.4	19.0	19.1	19.9	19.7
73	BUSINESS SERVICES	1,312.3	1,314.5	1,426.0	1,436.2	1,445.4
731	Advertising	71.3	71.5	74.6	74.8	75.1
732	Credit reporting and collection	52.9	52.8	51.9	51.6	51.3
733	Mailing, reproduction, stenographic	58.3	57.5	62.5	63.4	63.5
734	Services to buildings	185.4	184.5	197.8	199.5	195.7
736	Personnel supply services	320.3	320.9	367.6	367.8	380.6
737	Computer and data processing services	141.1	141.9	157.5	161.2	163.3
75	AUTO REPAIR, SERVICES, AND GARAGES	96.6	94.7	97.0	96.9	96.6
753	Automotive repair shops	42.4	41.5	43.7	43.9	44.2
76	MISCELLANEOUS REPAIR SERVICES	58.5	58.2	58.3	58.0	57.8
78	MDTION PICTURES	88.3	91.0	86.7	90.5	92.5
781	Motion picture production and services	25.6	25.9	21.9	21.4	20.5
783	Motion picture theaters	56.6	59.0	58.8	63.2	66.1
79	AMUSEMENT AND RECREATION SERVICES	341.9	349.7	332.0	358.5	368.3
80	HEALTH SERVICES	4,296.8	4,319.7	4,461.3	4,510.6	4,537.9
801	Offices of physicians	582.2	587.2	602.2	610.0	616.4
802	Offices of dentists	290.7	289.2	304.1	305.2	306.9
805	Nursing and personal care facilities	898.0	900.9	925.9	934.4	937.0
806	Hospitals	2,221.5	2,237.1	2,305.2	2,334.5	2,349.9
81	LEGAL SERVICES	356.3	360.7	374.2	384.4	387.3
82	EDUCATIONAL SERVICES	531.6	494.6	621.1	561.0	502.7
821	Elementary and secondary schools	175.2	152.8	201.8	191.5	160.0
822	Colleges and universities	289.9	277.1	349.8	301.3	276.5
83	SOCIAL SERVICES	837.7	861.4	890.4	873.0	865.5
89	MISCELLANEOUS SERVICES	319.4	323.6	340.8	345.5	348.6
891	Engineering and architectural services	115.2	116.0	123.1	126.9	127.6
893	Accounting, auditing, and bookkeeping	144.8	146.5	158.7	159.5	160.2
	GOVERNMENT	7,822	7,072	7,989	7,791	7,071
	FEDERAL GOVERNMENT	957	938	881	895	899
	STATE AND LOCAL GOVERNMENT	6,865	6,134	7,108	6,896	6,172
	State government	1,566.9	1,509.4	1,662.1	1,576.8	1,525.1
	Hospitals	338.9	338.2	333.5	334.9	335.7
	State education	590.3	531.4	680.3	589.5	533.7
	General administration including executive, legislative, and judicial functions	426.6	425.7	434.2	435.9	438.9
	Local government	5,298.2	4,624.6	5,445.6	5,319.5	4,646.8
	Transportation and public utilities	99.0	100.1	102.7	103.0	105.7
	Hospitals	491.6	494.1	506.9	512.5	514.5
	Local education	3,418.4	2,651.1	3,606.7	3,439.8	2,683.0
	General administration including executive, legislative, and judicial functions	1,050.9	1,118.1	1,001.3	1,033.3	1,094.9

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	1980				1981								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. p	Sept. p
TOTAL	90,461	90,668	90,844	90,949	91,091	91,258	91,347	91,458	91,564	91,615	91,880	91,929	91,875
GOODS-PRODUCING	25,445	25,521	25,629	25,631	25,647	25,657	25,705	25,700	25,705	25,818	25,939	25,941	25,949
MINING	1,023	1,032	1,052	1,069	1,083	1,091	1,098	950	957	1,110	1,132	1,152	1,160
CONSTRUCTION	4,362	4,379	4,389	4,387	4,390	4,389	4,416	4,418	4,334	4,284	4,272	4,272	4,253
MANUFACTURING	20,060	20,110	20,188	20,175	20,174	20,177	20,191	20,332	20,414	20,424	20,535	20,517	20,536
DURABLE GOODS	11,968	12,013	12,090	12,077	12,084	12,074	12,099	12,207	12,254	12,278	12,333	12,336	12,326
Lumber and wood products	680	679	683	687	689	691	692	702	710	699	702	687	677
Furniture and fixtures	462	462	463	464	464	466	467	478	484	486	488	488	487
Stone, clay, and glass products	656	655	658	655	654	654	651	656	658	658	658	660	656
Primary metal industries	1,092	1,108	1,126	1,137	1,137	1,140	1,141	1,145	1,142	1,144	1,140	1,148	1,149
Fabricated metal products	1,575	1,578	1,582	1,581	1,579	1,577	1,581	1,595	1,604	1,604	1,614	1,610	1,609
Machinery, except electrical	2,463	2,481	2,489	2,490	2,487	2,481	2,480	2,491	2,511	2,521	2,533	2,543	2,544
Electric and electronic equipment	2,078	2,087	2,096	2,103	2,110	2,110	2,117	2,134	2,143	2,148	2,163	2,166	2,168
Transportation equipment	1,843	1,848	1,874	1,839	1,840	1,833	1,849	1,878	1,872	1,886	1,886	1,890	1,888
Instruments and related products	709	709	712	712	713	711	712	714	716	717	723	727	731
Miscellaneous manufacturing ind.	410	406	407	409	411	411	409	414	414	415	426	417	417
NONDURABLE GOODS	8,092	8,097	8,098	8,098	8,090	8,103	8,092	8,125	8,160	8,146	8,202	8,181	8,210
Food and kindred products	1,712	1,711	1,705	1,701	1,696	1,705	1,691	1,697	1,703	1,673	1,691	1,672	1,672
Tobacco manufactures	68	69	71	71	71	72	72	72	71	71	71	73	72
Textile mill products	843	845	844	842	841	839	838	842	843	846	856	850	852
Apparel and other textile products	1,261	1,256	1,253	1,250	1,244	1,243	1,243	1,250	1,258	1,264	1,278	1,272	1,281
Paper and allied products	689	691	692	692	691	691	689	691	694	695	696	699	705
Printing and publishing	1,261	1,262	1,265	1,269	1,269	1,272	1,276	1,280	1,283	1,284	1,290	1,294	1,302
Chemicals and allied products	1,101	1,102	1,103	1,105	1,106	1,109	1,108	1,107	1,109	1,111	1,110	1,109	1,115
Petroleum and coal products	208	208	209	209	211	210	210	211	213	212	212	212	211
Rubber and misc. plastic products	717	722	725	729	730	731	734	744	753	757	760	763	763
Leather and leather products	232	231	231	230	231	231	231	231	233	233	238	237	236
SERVICE-PRODUCING	65,016	65,147	65,215	65,318	65,444	65,601	65,642	65,758	65,859	65,797	65,941	65,988	65,926
TRANSPORTATION AND PUBLIC UTILITIES	5,124	5,129	5,114	5,118	5,124	5,135	5,139	5,161	5,148	5,149	5,167	5,168	5,179
WHOLESALE AND RETAIL TRADE	20,450	20,461	20,464	20,470	20,529	20,600	20,635	20,636	20,714	20,717	20,796	20,871	20,866
WHOLESALE TRADE	5,290	5,296	5,296	5,300	5,305	5,313	5,316	5,333	5,346	5,349	5,360	5,378	5,375
RETAIL TRADE	15,160	15,165	15,168	15,170	15,224	15,287	15,319	15,303	15,368	15,368	15,436	15,493	15,491
FINANCE, INSURANCE, AND REAL ESTATE	5,206	5,221	5,235	5,254	5,268	5,283	5,293	5,316	5,326	5,331	5,344	5,354	5,356
SERVICES	18,043	18,087	18,160	18,240	18,300	18,343	18,371	18,475	18,540	18,560	18,642	18,673	18,757
GOVERNMENT	16,193	16,249	16,242	16,236	16,223	16,240	16,204	16,170	16,131	16,040	15,992	15,922	15,768
FEDERAL	2,784	2,795	2,796	2,800	2,799	2,795	2,781	2,767	2,779	2,781	2,777	2,770	2,760
STATE AND LOCAL	13,409	13,454	13,446	13,436	13,424	13,445	13,423	13,403	13,352	13,259	13,215	13,152	13,008

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	1980						1981						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
TOTAL	38,141	38,269	38,425	38,473	38,570	38,657	38,780	38,877	38,931	38,987	39,088	39,264	39,469
GOODS-PRODUCING	6,681	6,721	6,736	6,754	6,778	6,795	6,806	6,814	6,823	6,878	6,915	6,936	7,016
MINING	104	105	107	108	111	113	115	117	119	114	116	124	127
CONSTRUCTION	374	379	381	384	388	390	391	392	394	397	397	398	402
MANUFACTURING	6,203	6,237	6,248	6,262	6,279	6,292	6,300	6,305	6,310	6,367	6,402	6,414	6,487
DURABLE GOODS	2,934	2,942	2,956	2,973	2,990	3,000	3,008	3,013	3,020	3,054	3,073	3,087	3,116
Lumber and wood products	98	101	102	102	102	103	104	104	104	106	108	107	108
Furniture and fixtures	133	135	137	137	138	139	139	141	141	145	146	148	149
Stone, clay, and glass products	122	124	125	125	126	125	126	127	126	127	128	129	131
Primary metal industries	116	118	121	122	124	124	124	124	124	127	128	127	125
Fabricated metal products	320	326	329	330	330	331	330	331	333	337	341	342	345
Machinery, except electrical	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Electric and electronic equipment	876	877	878	882	888	892	897	898	902	912	915	916	926
Transportation equipment	288	288	287	292	296	291	292	294	295	302	303	308	311
Instruments and related products	302	301	301	302	302	304	303	302	302	303	305	304	308
Miscellaneous manufacturing ind.	194	191	190	189	188	191	192	191	191	192	194	193	200
NONDURABLE GOODS	3,269	3,295	3,292	3,289	3,289	3,292	3,292	3,292	3,290	3,313	3,329	3,327	3,371
Food and kindred products	505	515	509	508	506	505	505	505	500	506	507	495	504
Tobacco manufactures	25	24	25	25	26	25	26	26	26	26	26	26	26
Textile mill products	392	399	398	398	398	398	397	396	395	398	399	400	405
Apparel and other textile products	1,018	1,020	1,016	1,012	1,008	1,006	1,004	1,001	1,001	1,006	1,012	1,019	1,033
Paper and allied products	156	157	158	158	159	159	159	160	160	161	162	160	163
Printing and publishing	498	497	500	500	502	504	504	505	507	510	511	512	515
Chemicals and allied products	276	275	276	277	278	280	281	282	283	282	282	283	283
Petroleum and coal products	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Rubber and misc. plastics products	236	241	244	246	247	249	250	250	252	257	261	263	268
Leather and leather products	134	139	138	137	137	137	137	138	137	137	139	139	144
SERVICE-PRODUCING	31,460	31,548	31,689	31,719	31,792	31,862	31,974	32,063	32,108	32,109	32,173	32,328	32,453
TRANSPORTATION AND PUBLIC UTILITIES	1,287	1,290	1,295	1,312	1,307	1,311	1,310	1,314	1,318	1,327	1,329	1,335	1,340
WHOLESALE AND RETAIL TRADE	8,891	8,915	8,936	8,935	8,941	8,946	8,998	9,031	9,051	8,990	9,024	9,166	9,207
WHOLESALE TRADE	1,367	1,367	1,371	1,374	1,370	1,378	1,375	1,378	1,377	1,388	1,389	1,388	1,393
RETAIL TRADE	7,524	7,548	7,565	7,561	7,571	7,568	7,623	7,653	7,674	7,602	7,635	7,778	7,814
FINANCE, INSURANCE, AND REAL ESTATE	3,044	3,054	3,065	3,078	3,089	3,103	3,120	3,130	3,138	3,153	3,169	3,172	3,184
SERVICES	10,495	10,526	10,582	10,613	10,671	10,720	10,765	10,803	10,830	10,882	10,906	10,924	10,979
GOVERNMENT	7,743	7,763	7,811	7,781	7,784	7,782	7,781	7,785	7,771	7,757	7,745	7,731	7,743
FEDERAL	918	893	879	883	886	887	887	885	878	877	877	876	878
STATE AND LOCAL	6,825	6,870	6,932	6,898	6,898	6,895	6,894	6,900	6,893	6,880	6,868	6,855	6,865

¹ 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 EMPLOYMENT

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

[In thousands]

Industry division and group	1980				1981								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. p	Sept. p
TOTAL PRIVATE	60,368	60,464	60,598	60,667	60,807	60,870	60,961	61,114	61,179	61,292	61,585	61,650	61,767
GOODS-PRODUCING	18,167	18,213	18,291	18,278	18,305	18,298	18,346	18,338	18,317	18,387	18,476	18,468	18,499
MINING	759	763	779	791	800	806	813	689	694	819	834	852	854
CONSTRUCTION	3,416	3,426	3,431	3,428	3,452	3,439	3,459	3,462	3,376	3,323	3,315	3,311	3,295
MANUFACTURING	13,992	14,024	14,081	14,059	14,053	14,053	14,074	14,187	14,247	14,245	14,327	14,305	14,350
DURABLE GOODS	8,229	8,259	8,320	8,301	8,306	8,297	8,325	8,412	8,442	8,455	8,491	8,488	8,495
Lumber and wood products	568	567	569	573	575	576	577	586	593	585	585	571	563
Furniture and fixtures	372	373	373	374	374	376	376	386	392	393	396	396	394
Stone, clay, and glass products	506	506	508	505	504	503	501	506	507	506	508	509	508
Primary metal industries	833	847	864	874	876	879	879	884	880	882	879	883	884
Fabricated metal products	1,161	1,165	1,169	1,168	1,166	1,164	1,169	1,178	1,184	1,187	1,197	1,193	1,192
Machinery, except electrical	1,573	1,579	1,581	1,577	1,577	1,573	1,575	1,580	1,594	1,602	1,605	1,617	1,628
Electric and electronic equipment	1,306	1,310	1,316	1,322	1,324	1,326	1,334	1,345	1,353	1,354	1,365	1,367	1,369
Transportation equipment	1,185	1,189	1,215	1,182	1,183	1,176	1,190	1,218	1,210	1,218	1,213	1,218	1,219
Instruments and related products	421	422	422	423	422	419	420	422	423	422	427	426	430
Miscellaneous manufacturing ind.	304	301	303	303	305	305	304	307	306	306	316	308	308
NONDURABLE GOODS	5,763	5,765	5,761	5,758	5,747	5,756	5,749	5,775	5,805	5,790	5,836	5,817	5,855
Food and kindred products	1,177	1,177	1,170	1,166	1,162	1,168	1,158	1,164	1,170	1,144	1,160	1,144	1,147
Tobacco manufactures	54	54	55	55	55	55	56	56	55	56	55	57	57
Textile mill products	732	734	732	731	729	727	727	729	731	733	742	737	741
Apparel and other textile products	1,077	1,073	1,071	1,068	1,062	1,061	1,061	1,065	1,071	1,077	1,092	1,082	1,094
Paper and allied products	518	520	521	521	521	520	519	521	523	524	525	527	534
Printing and publishing	704	703	704	707	705	707	708	709	710	709	711	714	719
Chemicals and allied products	620	619	621	622	623	625	626	627	629	632	630	630	640
Petroleum and coal products	134	134	134	133	134	134	134	134	135	133	133	132	130
Rubber and misc. plastics products	551	556	558	561	562	564	566	575	584	585	586	593	593
Leather and leather products	196	195	195	194	194	195	194	195	197	197	202	201	200
SERVICE-PRODUCING	42,201	42,251	42,307	42,389	42,502	42,572	42,615	42,776	42,862	42,905	43,109	43,182	43,268
TRANSPORTATION AND PUBLIC UTILITIES	4,272	4,275	4,260	4,265	4,264	4,270	4,268	4,291	4,272	4,269	4,284	4,287	4,313
WHOLESALE AND RETAIL TRADE	17,929	17,933	17,932	17,932	17,982	18,013	18,031	18,027	18,084	18,093	18,200	18,239	18,237
WHOLESALE TRADE	4,317	4,320	4,318	4,324	4,324	4,329	4,330	4,342	4,352	4,350	4,367	4,372	4,374
RETAIL TRADE	13,612	13,613	13,614	13,608	13,658	13,684	13,701	13,685	13,732	13,743	13,833	13,867	13,863
FINANCE, INSURANCE, AND REAL ESTATE	3,939	3,950	3,960	3,972	3,986	3,992	3,996	4,017	4,024	4,030	4,037	4,044	4,044
SERVICES	16,061	16,093	16,155	16,220	16,270	16,297	16,320	16,441	16,482	16,513	16,588	16,612	16,674

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
1978				
January.....	66.3	77.0	80.8	79.9
February.....	66.3	76.5	82.8	82.8
March.....	72.1	80.2	83.7	82.3
April.....	73.3	78.2	77.9	85.2
May.....	65.4	78.2	80.2	83.7
June.....	70.6	73.0	78.2	83.4
July.....	62.5	71.2	74.1	81.7
August.....	66.9	69.5	77.3	80.8
September.....	67.2	72.1	77.0	79.4
October.....	66.3	76.2	79.4	75.0
November.....	72.4	76.7	73.3	77.6
December.....	70.9	77.6	74.7	75.0
1979				
January.....	65.1	72.1	72.1	74.7
February.....	66.0	68.6	71.8	70.6
March.....	64.2	65.7	70.1	69.5
April.....	54.1	65.7	64.8	67.2
May.....	60.5	62.8	59.6	59.6
June.....	62.5	63.7	54.4	58.1
July.....	57.0	55.5	56.7	55.8
August.....	53.2	50.0	51.5	55.2
September.....	49.1	53.5	52.0	50.0
October.....	61.6	52.0	50.6	46.2
November.....	49.4	53.5	51.2	38.1
December.....	49.7	49.4	47.7	35.8
1980				
January.....	52.6	50.6	40.4	32.0
February.....	53.2	46.8	33.4	32.6
March.....	49.4	38.7	30.8	31.7
April.....	34.6	30.8	24.7	32.3
May.....	32.8	27.0	26.2	31.4
June.....	31.4	25.9	28.2	31.4
July.....	36.9	35.5	35.2	31.4
August.....	64.8	54.9	45.1	32.6
September.....	64.0	71.2	61.0	34.9
October.....	61.3	69.8	73.5	43.6
November.....	63.4	64.8	72.7	55.8
December.....	56.7	64.0	65.4	70.3
1981				
January.....	59.6	61.0	68.6	78.8
February.....	55.8	61.3	68.6	77.0p
March.....	52.3	64.2	67.2	76.7p
April.....	69.8	68.9	70.3	
May.....	62.5	66.9	68.9p	
June.....	51.5	68.6	71.8p	
July.....	67.2	59.9p		
August.....	50.9p	65.4p		
September.....	58.4p			
October.....				
November.....				
December.....				

¹ Number of employees, seasonally adjusted, on payrolls of 172 private nonagricultural industries.
p = preliminary.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P
1 ALABAMA	1,348.0	1,350.2	1,344.5	16.8	16.4	17.1	74.4	70.4	70.1	354.2	355.4	357.1
2 Birmingham	348.2	348.5	348.5	9.7	9.0	9.5	20.7	20.0	20.0	61.7	60.1	59.9
3 Huntsville	118.5	122.3	121.6	(1)	(1)	(1)	4.3	4.2	4.2	35.4	36.1	36.2
4 Mobile	148.1	152.0	152.1	(1)	(1)	(1)	11.8	9.7	9.3	26.9	31.3	31.4
5 Montgomery	106.7	106.5	106.1	(1)	(1)	(1)	7.0	6.4	6.5	15.9	15.7	16.0
6 Tuscaloosa	49.2	47.7	48.3	2.3	2.2	2.3	2.5	2.5	2.5	8.5	8.1	8.0
7 ALASKA	182.6	192.0	190.3	7.2	7.9	7.8	13.2	14.8	15.5	19.6	19.8	17.3
8 ARIZONA	967.0	955.7	951.4	12.2	24.7	25.0	71.8	69.1	68.0	150.0	158.8	158.9
9 Phoenix	614.4	627.2	622.5	.4	.4	.4	47.9	47.5	46.9	111.7	116.7	116.1
10 Tucson	175.8	182.6	182.8	4.8	7.8	7.7	13.2	12.9	12.5	21.2	23.6	23.9
11 ARKANSAS	738.6	745.7	750.0	5.2	5.4	5.4	40.2	37.2	37.7	206.6	216.5	216.3
12 Fayetteville—Springdale	63.5	64.6	64.7	(1)	(1)	(1)	2.9	2.7	2.8	18.8	20.2	20.1
13 Fort Smith	64.9	68.1	67.0	1.0	1.2	1.2	2.8	2.6	2.6	20.4	23.1	22.3
14 Little Rock—North Little Rock	179.0	181.1	181.5	(1)	(1)	(1)	9.7	9.5	9.8	29.7	29.5	29.2
15 Pine Bluff	32.2	31.7	31.7	(1)	(1)	(1)	3.2	2.4	2.4	6.2	6.4	6.4
16 CALIFORNIA	9,729.0	9,882.4	9,901.0	43.2	45.8	46.1	433.3	390.3	395.2	2,015.4	1,995.0	2,020.1
17 Anaheim—Santa Ana—Garden Grove	834.1	856.7	858.4	2.4	2.5	2.6	50.3	50.2	50.4	221.9	224.8	223.5
18 Bakersfield	130.8	135.9	135.2	11.3	12.3	12.3	7.8	7.8	7.8	9.5	10.3	10.2
19 Fresno	181.0	182.8	182.9	1.0	1.1	1.1	11.2	11.0	11.1	24.4	23.5	23.8
20 Los Angeles—Long Beach	3,555.8	3,641.3	3,639.2	13.1	14.1	14.2	124.5	105.2	113.4	898.8	913.1	905.9
21 Modesto	93.9	89.6	94.3	.1	.1	.1	5.6	4.8	4.8	26.1	21.9	26.3
22 Oxnard—Simi Valley—Ventura	153.1	155.6	155.6	2.7	2.8	2.9	8.6	8.4	8.4	24.6	24.4	25.4
23 Riverside—San Bernardino—Ontario	420.5	427.7	429.3	1.6	2.3	2.3	25.9	25.6	25.8	62.7	63.4	63.6
24 Sacramento	398.1	399.0	403.0	.5	.5	.5	19.4	17.8	17.3	30.4	28.0	31.9
25 Salinas—Seaside—Monterey	87.5	88.8	89.9	.4	.4	.4	3.3	3.0	3.2	9.0	8.6	9.1
26 San Diego	641.6	651.7	652.4	.6	.6	.6	36.3	37.3	36.9	108.4	106.9	107.1
27 San Francisco—Oakland	1,547.1	1,576.2	1,578.2	3.3	3.8	3.8	73.6	72.8	73.5	202.7	202.4	203.2
28 San Jose	682.7	686.4	682.9	.2	.2	.2	25.9	24.7	24.5	253.3	243.0	249.2
29 Santa Barbara—Santa Maria—Lompoc	121.9	122.7	121.8	1.5	1.6	1.6	5.2	4.9	4.9	16.7	16.6	16.2
30 Santa Rosa	92.0	90.2	92.4	.5	.5	.5	6.3	5.4	5.6	15.2	15.0	15.5
31 Stockton	122.2	118.2	121.9	.1	.1	.1	5.8	5.1	5.1	26.4	22.1	26.1
32 Vallejo—Fairfield—Napa	100.2	104.8	103.7	.5	.6	.6	5.3	4.9	5.0	11.6	12.1	12.1
33 COLORADO	1,254.6	1,273.7	1,276.2	35.6	38.1	38.3	81.4	76.9	78.5	182.9	186.2	187.3
34 Denver—Boulder	800.1	812.7	814.1	19.2	21.3	21.5	50.0	46.3	47.4	125.9	128.7	129.5
35 CONNECTICUT	1,406.0	1,427.9	1,419.3	(2)	(2)	(2)	52.0	53.2	53.4	429.0	432.3	429.3
36 Bridgeport	170.7	171.0	170.1	(2)	(2)	(2)	4.8	4.6	4.6	64.6	66.8	66.8
37 Hartford	393.6	397.3	393.9	(2)	(2)	(2)	14.7	13.8	13.7	97.1	95.5	93.8
38 New Britain	62.9	63.6	64.1	(2)	(2)	(2)	2.5	2.4	2.4	28.4	28.3	28.9
39 New Haven—West Haven	192.6	189.0	188.6	(2)	(2)	(2)	8.1	7.9	7.8	42.2	39.0	38.5
40 Stamford	107.8	111.5	111.5	(2)	(2)	(2)	6.0	6.0	6.0	31.2	31.2	31.1
41 Waterbury	88.7	87.9	88.3	(2)	(2)	(2)	3.2	2.9	2.9	32.7	32.2	32.7
42 DELAWARE	258.9	262.8	258.8	(1)	(1)	(1)	15.2	14.2	14.5	69.6	72.5	68.5
43 Wilmington	227.2	231.3	227.3	(1)	(1)	(1)	15.9	15.0	15.3	62.8	65.7	61.5
44 DISTRICT OF COLUMBIA	629.2	629.4	623.1	(1)	(1)	(1)	13.6	13.6	13.7	15.4	15.6	14.3
45 Washington SMSA	1,591.6	1,620.5	1,604.6	(1)	(1)	(1)	76.8	75.3	74.6	56.0	57.2	55.6
46 FLORIDA	3,502.8	3,709.6	3,685.5	10.4	10.7	10.5	271.0	286.6	285.1	447.9	468.3	473.9
47 Bradenton	41.7	41.1	41.1	-	-	-	4.2	3.1	3.1	6.9	6.8	6.8
48 Daytona Beach	77.0	78.4	78.5	(1)	(1)	(1)	4.7	4.8	5.0	8.3	8.3	8.2
49 Fort Lauderdale—Hollywood	347.7	345.1	343.7	(1)	(1)	(1)	31.9	30.9	30.5	40.9	40.1	40.0
50 Fort Myers—Cape Coral	61.3	63.7	63.4	(1)	(1)	(1)	8.2	8.3	8.3	3.7	3.7	3.7
51 Gainesville	62.0	66.6	66.7	(1)	(1)	(1)	4.3	3.9	3.8	4.5	4.9	4.9
52 Jacksonville	287.7	294.6	294.9	(1)	(1)	(1)	15.9	16.7	16.7	33.8	35.6	35.6
53 Lakeland—Winter Haven	111.5	112.8	113.2	5.7	5.8	5.8	8.8	9.1	9.4	19.6	20.3	20.3
54 Melbourne—Titusville—Cocoa	101.3	103.3	103.3	(1)	(1)	(1)	6.3	6.5	6.8	22.6	23.5	23.4
55 Miami	722.2	722.7	720.3	(1)	(1)	(1)	38.7	36.5	35.3	99.9	100.3	100.5
56 Orlando	284.5	294.8	295.8	(1)	(1)	(1)	19.2	21.3	21.2	35.4	36.8	36.9
57 Panama City	33.4	33.5	33.3	(1)	(1)	(1)	2.0	2.1	2.0	3.6	3.6	3.6
58 Pensacola	96.0	100.3	100.1	(1)	(1)	(1)	6.6	7.5	7.5	12.4	12.8	12.8
59 Sarasota	68.6	72.4	72.1	(1)	(1)	(1)	6.9	7.3	7.1	6.0	6.2	6.2
60 Tallahassee	72.4	72.5	71.1	(1)	(1)	(1)	3.9	4.0	3.9	2.9	2.7	2.7
61 Tampa—St. Petersburg	534.3	547.6	549.1	(1)	(1)	(1)	39.5	42.0	41.2	74.4	76.7	76.9
62 West Palm Beach—Boca Raton	203.3	205.8	205.7	(1)	(1)	(1)	20.2	19.9	20.0	28.8	27.6	28.0

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. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	
71.0	71.5	71.5	272.8	270.7	271.6	58.9	58.7	58.7	204.9	207.6	208.0	295.0	299.5	290.4	1
29.2	29.1	29.1	83.1	83.7	84.0	23.0	23.0	22.9	67.2	69.1	69.2	53.6	54.9	53.9	2
2.6	2.6	2.6	21.5	21.7	21.8	3.5	3.5	3.5	17.5	18.6	18.5	33.7	35.6	34.8	3
10.4	10.9	10.8	37.1	37.1	37.1	7.1	7.4	7.5	29.5	29.5	29.8	25.3	26.1	26.2	4
4.9	4.8	4.7	23.6	23.8	23.8	6.3	6.2	6.2	20.3	20.3	20.3	28.7	29.7	28.6	5
1.8	1.8	1.7	5.4	9.5	9.5	1.7	1.7	1.7	6.1	5.9	6.0	16.9	16.0	16.6	6
17.9	19.5	19.3	30.5	32.2	32.1	8.5	8.7	8.9	31.8	32.6	32.6	53.9	56.5	56.8	7
49.9	51.7	51.7	235.2	241.8	241.0	57.3	59.8	60.1	204.0	209.9	207.6	186.6	179.9	179.1	8
30.2	31.6	31.7	156.6	160.8	160.1	44.6	46.6	46.9	129.1	133.6	132.9	93.9	90.0	87.5	9
8.6	8.7	8.7	39.5	41.0	40.7	8.1	8.5	8.5	39.2	40.6	40.4	41.2	39.5	40.4	10
43.3	43.9	43.6	162.0	164.1	165.4	31.7	32.4	32.4	117.7	120.2	120.1	131.9	126.0	129.1	11
3.9	4.0	3.9	15.8	15.8	15.8	2.3	2.3	2.3	9.5	9.3	9.4	10.3	10.3	10.4	12
3.7	3.8	3.8	14.2	14.7	14.5	2.5	2.5	2.5	12.7	12.3	12.2	7.6	7.9	7.9	13
13.7	14.2	14.2	41.8	42.4	42.3	12.4	12.8	12.7	34.2	35.4	35.7	37.4	37.3	37.6	14
3.9	4.1	4.1	6.6	6.5	6.5	1.4	1.3	1.3	4.9	5.0	5.0	6.0	6.0	6.0	15
547.6	555.0	556.8	2,265.2	2,315.9	2,328.8	623.0	634.1	635.8	2,145.5	2,249.7	2,263.5	1,655.8	1,696.6	1,654.7	18
27.5	29.0	29.2	203.2	210.4	211.5	56.9	59.8	60.0	175.2	183.7	184.6	96.7	96.3	96.6	17
7.8	8.0	8.0	33.6	34.7	34.4	4.8	5.1	5.1	23.9	24.7	24.8	32.1	33.0	32.6	18
11.2	10.6	10.6	50.1	52.0	52.1	10.9	11.2	11.2	35.8	37.0	37.3	36.4	36.4	35.7	19
199.0	203.2	203.6	808.9	831.8	834.6	233.8	237.9	238.4	806.3	856.5	861.9	471.4	479.5	467.2	20
4.1	3.8	4.0	21.5	21.6	21.9	3.4	3.5	3.5	17.2	17.6	17.7	15.9	16.3	16.0	21
6.5	6.3	6.2	36.4	37.5	37.4	7.5	7.6	7.6	30.8	32.1	32.3	36.0	36.5	35.4	22
25.8	26.1	26.2	105.6	108.4	109.3	18.5	18.6	18.7	67.5	70.0	70.0	92.9	93.3	93.4	23
22.0	22.3	22.6	93.4	96.7	96.8	22.6	23.1	23.3	74.1	74.7	75.0	135.7	135.9	135.6	24
5.0	5.1	5.1	23.2	23.8	24.3	4.4	4.4	4.4	19.9	20.3	20.6	22.3	23.2	22.8	25
29.0	28.9	28.7	147.3	148.7	149.6	38.5	39.6	39.7	149.4	155.9	157.4	132.1	133.8	132.4	26
130.4	132.9	133.2	360.1	366.8	368.7	147.0	149.3	150.0	345.9	361.1	361.6	284.1	287.1	284.2	27
22.0	22.3	22.7	126.4	130.9	131.1	27.4	28.3	28.2	153.6	161.0	161.2	73.9	76.0	75.8	28
5.1	5.2	5.2	30.2	30.3	30.2	5.6	5.7	5.7	34.1	34.8	34.7	23.5	23.6	23.3	29
4.6	4.6	4.6	22.7	23.1	23.6	5.7	5.7	5.7	18.7	18.5	18.5	18.3	17.4	18.4	30
8.3	8.1	8.0	27.8	28.4	28.5	5.0	5.1	5.1	23.8	24.4	24.4	25.0	24.9	24.6	31
4.9	4.9	4.9	21.5	23.0	23.2	3.3	3.3	3.3	19.3	19.8	19.8	33.8	36.2	34.8	32
80.4	84.1	83.8	307.1	312.7	313.9	77.9	80.2	80.5	258.7	265.1	266.0	230.6	230.4	227.9	33
56.3	58.9	58.7	193.0	196.4	197.0	55.1	56.9	57.2	170.4	174.8	175.0	130.2	129.4	128.0	34
59.4	58.6	58.3	297.1	299.0	297.2	106.8	111.1	111.3	288.0	299.7	297.9	173.7	174.0	171.9	35
6.3	6.1	6.1	36.8	36.4	36.3	7.4	7.3	7.4	34.3	34.0	34.6	16.5	15.8	14.3	36
13.1	13.4	13.4	80.8	82.2	81.9	62.4	63.8	63.6	74.7	77.6	76.8	50.8	51.0	50.7	37
3.2	3.1	3.1	10.7	11.0	10.9	1.8	1.9	1.9	10.5	10.9	10.9	5.8	6.0	6.0	38
16.3	15.5	15.5	41.8	42.2	42.3	11.0	11.2	11.2	49.9	50.0	50.2	23.3	23.2	23.1	39
4.2	4.5	4.5	23.7	24.6	24.7	7.7	8.0	8.0	26.9	27.9	27.9	8.1	9.3	9.3	40
3.0	3.0	3.0	15.5	15.8	15.8	3.6	3.5	3.6	20.3	20.2	20.2	10.4	10.3	10.1	41
12.0	12.0	12.0	57.1	56.8	56.6	12.1	12.2	12.2	48.6	50.6	50.6	44.2	44.5	44.4	42
11.8	11.7	11.8	47.2	47.0	46.8	11.2	11.5	11.5	43.7	45.0	45.2	34.7	35.2	35.2	43
25.4	25.9	26.0	64.9	64.6	64.9	36.0	36.1	36.0	174.2	182.9	183.6	299.7	290.7	284.6	44
67.8	68.2	68.5	300.6	309.4	308.7	92.9	96.4	96.3	422.6	447.7	447.1	575.5	566.3	553.8	45
217.5	224.2	223.1	914.3	970.4	969.6	254.1	270.8	272.5	810.4	877.1	877.2	577.2	601.5	573.6	46
1.5	1.5	1.5	10.9	10.7	10.4	2.9	3.0	3.4	7.6	8.5	8.4	7.7	7.5	7.5	47
3.2	3.2	3.2	21.8	22.4	22.6	4.3	4.8	4.8	21.2	21.5	21.4	13.5	13.4	13.3	48
16.9	17.1	17.1	99.9	97.4	96.6	28.6	28.4	28.7	81.9	83.0	83.2	47.6	48.2	47.6	49
3.7	4.3	4.3	17.9	18.0	17.9	5.9	6.3	6.2	13.5	13.9	14.0	8.4	9.2	9.0	50
1.6	1.7	1.8	13.8	14.3	14.3	2.7	2.8	2.8	10.6	11.7	11.7	24.5	27.3	27.4	51
23.9	24.4	24.3	75.0	76.8	76.7	27.5	27.1	27.2	62.0	65.3	65.7	49.6	48.7	48.7	52
4.9	4.8	4.9	27.5	27.6	27.4	6.7	6.6	6.5	22.7	22.7	22.5	15.6	15.9	16.4	53
4.5	4.5	4.5	21.0	21.2	21.1	4.0	3.9	3.9	24.4	24.9	24.8	18.5	18.8	18.8	54
72.1	72.7	72.7	188.4	188.0	188.1	53.1	55.1	54.8	174.3	180.5	180.4	95.7	89.6	88.5	55
14.9	14.5	14.5	74.3	78.1	78.4	19.6	20.6	20.7	81.6	82.2	82.9	39.5	41.3	41.2	56
2.0	2.0	2.0	8.8	9.0	9.1	1.7	1.8	1.8	7.2	6.9	6.8	8.1	8.1	8.0	57
5.3	5.3	5.4	22.1	22.9	22.9	4.3	4.4	4.3	21.9	22.8	22.6	23.4	24.6	24.6	58
3.0	3.0	3.0	19.1	20.0	19.8	5.8	6.4	6.5	17.5	19.3	19.3	10.3	10.2	10.2	59
2.4	2.5	2.5	14.3	13.7	13.8	3.4	3.5	3.5	12.4	13.4	13.4	33.1	32.7	31.3	60
30.2	31.4	31.3	146.3	146.7	148.1	35.0	40.4	40.7	128.8	133.3	133.4	76.1	77.1	77.5	81
8.4	8.6	8.6	50.9	51.3	50.9	17.3	17.4	16.9	48.0	50.8	51.0	29.7	30.2	30.3	82

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P
1 GEORGIA	2,134.3	2,148.7	2,155.7	7.7	7.6	7.8	105.1	99.8	99.8	507.8	516.7	519.2
2 Albany	43.7	45.1	45.2	(1)	(1)	(1)	3.2	3.2	3.2	10.3	11.1	11.0
3 Atlanta	951.7	961.4	963.8	(1)	(1)	(1)	46.8	42.1	42.8	138.4	139.8	140.3
4 Augusta	122.2	122.3	123.6	(1)	(1)	(1)	5.5	5.1	5.0	35.8	35.4	35.8
5 Columbus	79.5	80.4	80.2	(1)	(1)	(1)	4.2	4.1	4.1	20.7	20.8	20.6
6 Macon	97.2	97.1	97.4	(1)	(1)	(1)	5.4	4.6	4.7	15.6	16.1	16.4
7 Savannah	84.9	85.7	86.5	(1)	(1)	(1)	5.4	6.1	6.5	16.7	17.2	17.3
8 HAWAII	408.2	407.5	404.6	(1)	(1)	(1)	24.7	24.4	24.1	24.9	25.4	23.5
9 Honolulu	335.5	337.1	334.3	(1)	(1)	(1)	19.9	20.8	20.8	17.8	19.0	17.3
10 IDAHO	329.8	325.6	324.6	4.5	5.3	5.2	18.2	17.9	18.2	55.0	53.7	52.3
11 Boise City	75.7	77.3	77.0	(1)	(1)	(1)	5.8	5.5	5.5	8.6	8.9	9.1
12 ILLINOIS	4,918.3	4,870.3	4,846.3	32.8	32.5	32.6	206.3	196.3	183.5	1,203.0	1,184.3	1,165.5
13 Bloomington—Normal	48.5	49.4	48.6	(2)	(2)	(2)	2.0	2.0	1.9	7.0	6.9	6.5
14 Champaign—Urbana—Rantoul	70.3	71.3	70.5	(2)	(2)	(2)	1.9	1.8	1.9	7.5	7.7	7.7
15 Chicago—Gary	3,556.3	3,492.5	(*)	5.1	4.9	(*)	147.4	129.1	(*)	901.7	902.3	(*)
16 Chicago SMSA	3,308.3	3,235.7	3,225.6	5.0	4.9	4.9	131.9	114.2	102.8	813.2	807.9	807.2
17 Davenport—Rock Island—Moline	164.0	163.9	163.3	(2)	(2)	(2)	7.8	7.9	8.0	50.1	48.6	47.9
18 Decatur	54.9	55.3	55.3	(2)	(2)	(2)	2.4	2.3	2.3	19.9	19.6	19.6
19 Kankakee	35.9	33.8	33.6	(2)	(2)	(2)	2.0	1.9	1.9	9.5	8.8	8.9
20 Peoria	151.6	149.4	148.9	(2)	(2)	(2)	7.9	7.4	7.4	50.8	48.4	48.7
21 Rockford	117.8	117.3	116.6	(2)	(2)	(2)	3.8	4.1	3.9	50.3	50.0	49.9
22 Springfield	91.9	86.3	91.6	(2)	(2)	(2)	4.4	4.1	4.3	5.9	6.2	6.6
23 INDIANA	2,109.9	2,106.5	2,112.5	10.3	9.8	9.8	97.2	93.2	95.1	636.1	655.9	661.5
24 Anderson	43.6	45.6	44.9	(1)	(1)	(1)	1.1	1.1	1.2	17.8	19.8	19.4
25 Elkhart	66.7	68.6	68.6	-	-	-	2.3	2.3	2.3	33.2	34.9	35.1
26 Evansville	129.0	128.3	128.2	3.0	2.8	2.8	7.4	7.3	7.4	37.2	37.1	36.3
27 Fort Wayne	174.2	173.3	174.2	(1)	(1)	(1)	9.1	8.3	8.6	53.6	54.8	55.1
28 Gary—Hammond—East Chicago	248.0	251.1	251.5	(1)	(1)	(1)	15.5	15.0	15.1	88.5	91.3	91.4
29 Indianapolis	529.5	531.6	532.3	(1)	(1)	(1)	25.0	23.9	24.1	120.5	122.8	122.2
30 Lafayette—West Lafayette	53.4	54.1	53.6	(1)	(1)	(1)	2.6	3.0	3.1	11.2	11.3	11.4
31 Muncie	46.2	46.7	46.4	(1)	(1)	(1)	1.8	1.5	1.5	12.9	12.5	12.3
32 South Bend	107.6	106.0	104.9	(1)	(1)	(1)	4.8	4.4	4.4	30.5	30.6	30.8
33 Terre Haute	63.2	60.6	59.7	1.4	1.4	1.4	4.2	3.6	3.5	15.6	15.4	14.9
34 IOWA	1,065.9	1,062.9	1,058.8	2.5	2.2	2.1	51.5	45.1	45.8	226.0	235.0	230.8
35 Cedar Rapids	83.4	80.9	80.6	(1)	(1)	(1)	3.8	3.7	3.6	27.2	26.2	26.0
36 Des Moines	176.0	175.9	174.6	(1)	(1)	(1)	7.6	6.3	6.5	23.7	24.1	23.6
37 Dubuque	42.7	41.8	41.9	(1)	(1)	(1)	1.6	1.4	1.4	14.8	14.1	14.2
38 Sioux City	48.0	46.9	47.1	(1)	(1)	(1)	2.7	2.2	2.3	8.7	8.6	8.8
39 Waterloo—Cedar Falls	55.6	63.3	62.2	(1)	(1)	(1)	2.6	1.9	1.9	14.0	22.0	21.0
40 KANSAS	931.7	945.8	944.4	16.1	17.1	17.4	48.6	44.5	44.1	181.2	186.1	185.7
41 Lawrence	27.1	26.2	26.6	(2)	(2)	(2)	1.0	.9	.9	4.7	4.9	4.7
42 Topeka	84.4	85.2	84.6	.2	.2	.2	3.6	3.5	3.4	9.6	9.8	9.5
43 Wichita	201.5	206.9	205.5	3.1	3.6	3.7	10.5	10.5	10.5	61.7	63.1	62.6
44 KENTUCKY	1,195.5	1,188.7	1,187.1	52.9	52.8	53.1	63.1	58.5	57.7	268.2	272.6	271.9
45 Lexington—Fayette	140.2	140.3	141.5	(1)	(1)	(1)	6.9	5.5	5.4	28.6	29.3	29.8
46 Louisville	387.1	389.0	387.3	(1)	(1)	(1)	18.6	17.8	17.9	96.2	95.8	93.4
47 Owensboro	30.5	30.8	31.0	.9	1.0	1.0	2.3	1.9	1.9	6.7	7.0	7.1
48 LOUISIANA	1,575.0	1,637.3	1,640.1	89.2	95.3	95.5	146.0	157.0	159.8	211.9	215.2	215.6
49 Alexandria	51.1	51.9	52.1	(1)	(1)	(1)	4.1	4.4	4.4	5.6	5.5	5.5
50 Baton Rouge	201.8	209.5	210.0	1.3	1.4	1.4	23.2	22.9	23.2	26.0	26.4	26.2
51 Lafayette	80.0	87.8	88.5	15.7	17.9	18.2	6.3	6.1	6.2	4.4	4.8	4.9
52 Lake Charles	66.3	68.4	68.4	2.1	2.4	2.4	9.9	9.6	9.8	13.7	14.1	13.9
53 Monroe	49.3	50.1	49.6	.5	.5	.5	3.6	3.4	3.3	7.9	7.8	7.6
54 New Orleans	496.7	501.9	500.9	18.0	19.4	19.5	30.5	31.4	31.2	53.3	54.7	54.6
55 Shreveport	146.3	152.4	150.5	5.8	6.0	5.9	8.6	12.0	11.9	26.9	27.2	28.0
56 MAINE	432.1	428.0	431.8	(1)	(1)	(1)	22.6	22.0	21.5	116.1	111.0	116.6
57 Lewiston—Auburn	35.2	33.9	34.5	(1)	(1)	(1)	1.3	1.3	1.3	12.1	10.7	11.5
58 Portland	94.7	94.8	94.6	(1)	(1)	(1)	3.9	4.1	3.8	18.9	18.5	18.5
59 MARYLAND	1,688.9	1,702.3	1,681.0	(1)	(1)	(1)	105.8	96.6	95.4	230.1	232.4	231.5
60 Baltimore	543.5	548.3	535.7	(1)	(1)	(1)	54.0	48.2	47.4	153.8	154.2	156.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	
138.9	136.2	141.5	492.6	487.2	487.1	112.9	114.7	115.0	346.2	360.0	359.4	423.1	426.5	426.0	1
2.2	2.1	2.1	5.6	10.0	10.2	1.9	2.0	2.0	6.3	6.7	6.7	10.2	10.1	10.1	2
84.6	85.9	87.6	262.8	262.6	262.7	68.7	69.4	69.7	194.6	205.2	205.3	155.8	156.4	155.3	3
4.3	4.3	4.6	22.2	22.6	23.0	4.6	4.5	4.5	17.5	18.6	18.4	31.8	31.8	31.7	4
3.5	3.3	3.4	16.5	15.5	15.4	5.4	5.7	5.7	11.0	11.3	11.4	18.1	19.8	19.7	5
4.8	4.3	4.5	19.4	19.4	19.4	5.8	6.0	6.1	16.7	16.8	16.7	29.3	29.8	29.7	6
9.1	8.0	8.3	19.8	19.7	20.0	4.1	4.3	4.3	15.3	15.5	15.7	14.5	14.9	14.8	7
30.9	30.8	30.7	104.7	103.5	102.9	34.0	34.8	34.6	58.5	59.2	58.9	90.1	89.4	89.9	8
25.8	25.7	25.7	87.1	85.6	85.0	29.6	30.5	30.3	79.8	80.2	79.7	75.5	75.3	75.5	9
20.2	20.0	19.9	80.4	79.5	80.0	23.5	23.3	23.4	62.4	60.9	60.3	65.6	65.0	65.3	10
5.2	5.1	5.0	20.7	19.6	19.4	8.1	8.2	8.2	15.3	14.3	14.2	16.0	15.7	15.6	11
284.3	281.7	280.9	1,132.3	1,118.3	1,122.9	316.8	316.4	315.3	958.6	972.5	969.9	784.2	768.3	755.7	12
3.2	3.1	3.1	12.3	12.2	12.3	7.6	7.6	7.6	8.2	8.3	8.2	8.2	9.3	9.0	13
2.8	2.6	2.7	19.1	19.1	19.2	2.5	2.5	2.5	11.5	11.7	11.6	25.0	25.9	24.9	14
207.2	212.0	(*)	810.0	791.8	(*)	232.2	233.4	(*)	699.2	688.7	(*)	553.6	530.7	(*)	15
195.3	197.2	197.1	757.6	739.1	740.4	222.8	223.0	223.0	662.1	659.3	661.6	520.4	490.1	488.6	16
6.7	7.0	7.1	40.7	40.9	41.1	7.3	7.2	7.2	24.9	24.6	24.4	26.5	27.7	27.6	17
5.3	5.4	5.3	11.2	11.4	11.4	2.8	2.7	2.7	8.7	8.8	8.9	4.5	5.0	5.0	18
1.4	1.4	1.4	7.1	6.9	6.9	1.2	1.1	1.1	6.4	6.4	6.4	8.3	7.3	7.0	19
7.4	7.9	7.9	35.7	34.5	34.8	7.3	7.2	7.1	25.8	26.9	26.9	16.7	17.1	16.1	20
4.6	4.5	4.5	25.1	24.8	24.8	4.3	4.2	4.2	17.9	17.7	17.6	11.8	12.0	11.7	21
5.0	4.7	4.7	21.3	19.0	21.0	6.8	6.8	6.6	19.2	17.7	19.8	29.2	27.7	28.5	22
103.1	104.0	105.0	476.1	466.9	469.7	103.2	102.6	102.6	339.0	342.3	343.0	344.8	331.6	326.2	23
1.4	1.3	1.2	5.2	9.3	9.4	1.6	1.6	1.6	7.1	7.1	7.1	5.4	5.4	5.0	24
2.0	2.2	2.2	13.3	13.1	13.1	2.2	2.2	2.2	8.5	9.0	8.9	4.8	4.9	4.8	25
7.2	7.1	7.1	30.7	30.7	31.3	4.6	4.6	4.7	26.0	25.9	26.1	12.9	12.8	12.5	26
10.9	10.9	11.0	42.6	42.2	42.5	10.7	10.7	10.6	29.1	29.0	29.0	18.2	17.4	17.4	27
11.9	14.9	14.9	52.4	51.7	51.7	9.4	9.2	9.2	37.1	37.0	37.4	33.2	32.0	31.8	28
31.3	31.3	31.4	132.5	132.7	133.3	35.0	39.2	39.1	95.6	97.8	97.7	85.6	83.9	84.5	29
1.5	1.4	1.4	10.7	10.7	10.8	2.6	2.6	2.6	5.2	9.3	9.3	15.6	15.8	15.0	30
2.0	2.0	2.0	12.0	12.3	12.4	1.6	1.5	1.5	8.2	8.4	8.4	7.7	8.5	8.3	31
4.3	4.6	4.6	27.2	25.6	25.4	5.4	5.3	5.3	23.3	22.9	22.6	12.1	12.6	11.8	32
3.7	3.4	3.4	16.2	15.2	15.2	2.2	2.1	2.1	5.3	9.1	9.1	10.6	10.4	10.1	33
55.3	53.9	53.2	275.7	276.4	276.4	58.2	58.8	58.8	204.6	203.6	205.1	188.1	188.0	186.6	34
3.8	3.8	3.8	18.9	18.1	18.0	4.3	4.3	4.3	15.5	15.6	15.4	9.9	9.2	9.5	35
11.4	11.4	11.4	46.2	46.6	46.5	20.5	21.3	21.2	39.3	39.0	39.0	27.3	27.0	26.3	36
1.7	1.6	1.6	9.2	9.3	9.2	1.3	1.3	1.3	10.3	10.6	10.6	3.7	3.5	3.5	37
3.8	3.7	3.8	12.6	12.1	12.2	2.9	2.9	2.8	11.7	11.8	11.7	5.5	5.6	5.5	38
2.6	2.6	2.6	13.8	14.2	14.2	2.1	2.1	2.1	10.5	10.8	10.8	9.7	9.8	9.6	39
63.8	65.9	65.6	225.9	229.3	229.9	47.6	48.2	48.2	173.6	179.5	180.6	174.9	175.2	172.9	40
1.4	1.4	1.4	5.5	5.3	5.3	.8	.8	.8	4.0	4.2	4.3	9.7	8.7	9.4	41
7.5	7.7	7.8	18.9	19.0	19.0	6.3	6.5	6.5	17.2	17.8	17.7	21.1	20.7	20.5	42
10.7	11.0	10.9	44.7	46.0	45.9	9.3	9.4	9.4	35.0	40.4	40.5	22.5	22.9	22.0	43
68.9	66.9	67.1	256.4	257.7	257.0	52.3	53.3	53.0	210.9	212.4	212.2	222.8	214.5	215.1	44
7.5	7.7	7.7	31.8	32.2	32.3	7.5	7.7	7.6	25.8	26.0	26.2	32.1	31.9	32.5	45
23.7	22.5	22.4	89.1	88.7	89.4	23.4	23.5	23.4	77.8	80.0	80.4	58.3	60.7	60.4	46
2.4	2.4	2.5	6.9	6.9	6.9	1.2	1.3	1.3	5.7	5.7	5.7	4.4	4.6	4.6	47
125.8	128.8	129.2	355.4	364.4	365.5	74.9	76.1	76.2	273.7	283.8	284.5	298.1	316.7	313.8	48
2.5	2.6	2.6	11.1	11.5	11.6	2.8	3.0	3.0	10.5	10.8	10.9	14.5	14.1	14.1	49
11.2	11.7	11.8	44.9	47.3	48.1	11.0	11.4	11.3	33.4	35.1	35.7	50.8	53.3	52.3	50
5.9	6.6	6.6	20.5	22.3	22.4	2.8	3.0	3.1	15.4	16.8	16.9	9.0	10.3	10.2	51
3.8	3.8	3.9	14.6	14.9	15.0	2.8	2.8	2.8	5.5	9.9	9.7	9.9	10.9	10.9	52
2.7	2.9	2.8	13.2	12.9	13.0	3.7	4.1	4.0	7.8	8.3	8.3	9.9	10.2	10.1	53
52.2	52.1	52.2	125.6	125.3	125.3	30.5	30.4	30.5	110.1	108.8	108.6	76.5	79.8	79.0	54
10.3	11.3	10.9	35.7	36.4	35.9	7.2	7.0	7.1	28.5	29.8	29.0	23.3	22.7	22.2	55
19.3	19.7	19.8	95.0	93.2	93.2	17.0	17.2	17.2	85.6	87.3	86.8	76.5	77.6	76.7	56
1.2	1.1	1.2	8.5	8.2	8.2	1.6	1.7	1.6	7.4	7.8	8.0	3.1	3.1	3.1	57
5.6	5.7	5.7	25.9	26.5	26.9	7.5	7.9	7.9	21.3	20.6	20.5	11.6	11.5	11.3	58
85.2	85.6	85.4	410.6	421.5	420.5	94.3	97.3	97.5	363.6	373.4	376.9	399.3	395.5	373.8	59
57.8	57.7	57.2	210.9	211.8	209.7	58.4	60.2	60.5	159.7	209.4	212.6	209.3	206.8	192.1	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 area	Total			Mining			Construction			Manufacturing		
	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P
1 MASSACHUSETTS	2,646.2	2,632.1	2,658.4	(1)	(1)	(1)	78.5	68.2	73.3	664.1	650.6	666.6
2 Boston	1,462.6	1,483.2	1,450.7	(1)	(1)	(1)	41.7	41.9	45.4	289.5	290.9	293.2
3 Brockton	56.5	56.6	57.1	(1)	(1)	(1)	1.7	1.3	1.4	12.6	12.6	13.0
4 Fall River	55.0	52.9	54.7	(1)	(1)	(1)	1.6	1.4	1.5	19.9	19.0	20.4
5 Lawrence—Haverhill	113.0	113.3	113.1	(1)	(1)	(1)	3.5	3.4	3.4	44.6	44.3	44.4
6 Lowell	75.4	75.7	76.5	(1)	(1)	(1)	3.0	2.6	2.9	27.4	28.3	29.1
7 New Bedford	64.5	62.7	63.5	(1)	(1)	(1)	1.8	1.8	1.8	24.9	24.9	25.4
8 Springfield—Chicopee—Holyoke	225.4	228.0	225.8	(1)	(1)	(1)	7.4	6.3	6.5	65.1	63.3	64.4
9 Worcester	161.5	163.2	162.1	(1)	(1)	(1)	6.6	6.5	6.6	48.0	47.4	47.4
10 MICHIGAN	3,370.4	3,458.5	(*)	11.2	13.4	(*)	121.0	116.5	(*)	943.4	1,016.6	(*)
11 Ann Arbor	133.5	133.6	(*)	(1)	(1)	(*)	2.9	2.6	(*)	40.7	43.5	(*)
12 Battle Creek	63.9	63.7	(*)	(1)	(1)	(*)	2.0	1.8	(*)	21.9	21.7	(*)
13 Bay City	33.4	34.7	(*)	(1)	(1)	(*)	1.0	1.0	(*)	8.8	9.4	(*)
14 Detroit	1,655.0	1,679.4	(*)	1.3	1.4	(*)	53.6	50.6	(*)	466.3	484.6	(*)
15 Flint	180.4	193.9	(*)	(1)	(1)	(*)	6.7	9.3	(*)	62.4	72.7	(*)
16 Grand Rapids	266.6	271.3	(*)	(1)	(1)	(*)	12.7	12.1	(*)	90.1	93.5	(*)
17 Jackson	50.3	51.3	(*)	(1)	(1)	(*)	1.3	1.2	(*)	13.3	14.6	(*)
18 Kalamazoo—Portage	105.7	106.3	(*)	(1)	(1)	(*)	4.9	4.8	(*)	32.3	32.9	(*)
19 Lansing—East Lansing	183.6	191.7	(*)	(1)	(1)	(*)	7.1	6.3	(*)	35.4	42.6	(*)
20 Muskegon—Norton Shores—Musk. Hts.	58.9	61.6	(*)	(1)	(1)	(*)	2.1	2.2	(*)	18.2	20.5	(*)
21 Saginaw	80.9	84.6	(*)	(1)	(1)	(*)	2.4	2.2	(*)	26.9	30.3	(*)
22 MINNESOTA	1,769.9	1,752.3	1,772.2	16.2	16.7	16.5	86.4	66.8	79.8	375.6	373.7	380.0
23 Duluth—Superior	60.7	58.5	59.1	(1)	(1)	(1)	2.4	1.5	2.0	7.5	7.8	7.8
24 Minneapolis—St. Paul	1,087.9	1,091.5	1,100.5	(1)	(1)	(1)	48.4	34.6	42.2	246.9	248.2	251.0
25 Rochester	51.0	51.5	51.3	(2)	(2)	(2)	2.5	1.6	1.5	10.6	10.9	11.0
26 St. Cloud	53.3	53.2	53.3	(1)	(1)	(1)	3.6	3.1	3.3	12.0	11.8	12.0
27 MISSISSIPPI	816.4	817.1	811.0	11.1	11.2	11.3	44.9	42.4	42.1	217.9	219.3	219.8
28 Jackson	145.0	143.4	143.0	1.5	1.6	1.6	8.0	7.1	6.7	18.8	18.6	18.7
29 MISSOURI	1,958.8	1,963.2	1,968.0	7.5	7.1	7.1	85.1	82.7	83.4	427.2	425.0	429.0
30 Kansas City	619.7	617.7	616.6	.5	.5	.5	26.2	24.4	24.1	114.6	116.0	115.7
31 St. Joseph	37.9	35.6	35.7	(2)	(2)	(2)	2.2	2.2	2.2	9.5	8.5	8.6
32 St. Louis	980.6	979.0	975.7	2.8	2.7	2.7	42.5	44.5	43.6	234.4	229.9	230.7
33 Springfield	82.1	85.0	85.8	(2)	(2)	(2)	3.9	3.8	3.9	16.9	19.4	19.4
34 MONTANA	284.1	285.3	285.8	6.8	8.7	8.5	17.2	16.6	16.9	23.5	23.7	23.6
35 Billings	48.2	47.4	47.5	(1)	(1)	(1)	2.7	2.9	2.9	4.1	4.1	4.1
36 Great Falls	29.6	29.2	29.2	(1)	(1)	(1)	2.0	1.9	1.8	1.4	1.3	1.3
37 NEBRASKA	621.6	629.0	628.7	1.7	1.8	1.8	31.1	29.0	28.4	93.9	95.7	95.5
38 Lincoln	98.2	97.5	99.5	(2)	(2)	(2)	4.1	4.0	4.0	13.3	13.5	13.6
39 Omaha	260.5	264.7	264.1	(2)	(2)	(2)	11.4	10.5	10.3	35.0	35.4	35.7
40 NEVADA	403.9	418.1	421.5	7.0	8.1	8.1	26.3	26.1	26.4	19.3	20.2	20.2
41 Las Vegas	220.4	228.0	222.2	.5	.7	.7	13.3	13.4	13.5	6.9	7.3	7.3
42 Reno	116.2	117.8	117.8	1.1	1.2	1.2	7.5	7.2	7.1	8.3	8.4	8.4
43 NEW HAMPSHIRE	389.4	389.8	392.9	.4	.4	.4	15.8	20.7	21.1	115.7	113.7	116.4
44 Manchester	73.1	73.2	73.7	(2)	(2)	(2)	3.6	3.4	3.5	16.9	16.5	17.0
45 Nashua	64.3	64.9	65.4	(2)	(2)	(2)	2.9	2.9	2.9	30.3	30.9	31.1
46 NEW JERSEY	3,084.2	3,138.0	3,131.5	2.6	2.4	2.3	117.8	119.7	119.0	772.6	773.2	777.6
47 Atlantic City	97.4	107.3	107.6	-	-	-	5.9	4.5	4.5	8.6	7.8	8.0
48 Camden	331.8	332.9	333.1	.1	.1	.1	15.1	14.5	14.6	69.8	70.1	70.6
49 Hackensack	393.2	355.9	390.8	(1)	(1)	(1)	15.0	15.9	15.4	109.3	108.0	108.1
50 Jersey City	232.4	225.1	227.1	-	-	-	4.7	5.4	5.6	67.2	66.0	68.0
51 Long Branch—Asbury Park	167.3	174.4	173.7	(1)	(1)	(1)	7.2	8.6	8.7	24.8	25.8	25.8
52 New Bruns. Perth Amboy—Sayreville	289.4	288.6	286.7	(1)	(1)	(1)	12.1	11.5	11.4	88.5	91.5	90.4
53 Newark	936.3	944.8	937.7	.8	.8	.8	36.0	33.0	32.9	243.5	241.4	236.7
54 Paterson—Clifton—Passaic	187.5	187.9	187.5	(1)	(1)	(1)	7.4	7.3	7.0	65.8	64.3	64.5
55 Trenton	160.7	162.4	161.8	(1)	(1)	(1)	3.6	3.4	3.3	33.8	34.9	34.8
56 Vineland—Millville—Bridgeton	56.1	54.1	56.0	(1)	(1)	(1)	2.0	2.0	2.2	19.1	17.6	19.1
57 NEW MEXICO	462.6	465.2	468.9	28.9	31.0	31.5	30.8	30.7	30.7	53.9	32.6	32.8
58 Albuquerque	186.7	187.1	188.1	(1)	(1)	(1)	12.4	12.3	12.0	17.8	17.2	17.2
59 Las Cruces	28.4	28.6	28.8	-	-	-	2.0	1.9	1.8	2.7	2.5	2.7
60 NEW YORK	7,234.0	7,264.4	7,263.1	6.6	6.8	6.8	224.4	218.0	221.0	1,444.9	1,427.2	1,437.1
61 Albany—Schenectady—Troy	340.6	336.3	339.5	(1)	(1)	(1)	12.9	10.9	10.9	57.5	56.6	56.3
62 Binghamton	115.2	116.9	118.2	(1)	(1)	(1)	4.3	4.4	4.5	41.8	43.1	43.9

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. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	ALG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	
120.3	122.3	123.2	572.6	583.0	585.6	163.7	169.0	165.5	645.2	664.6	669.7	401.8	374.4	370.5	1
72.8	73.0	73.5	311.4	312.5	312.7	109.9	114.4	114.6	423.8	449.6	452.7	213.5	200.9	198.6	2
3.7	3.6	3.6	15.6	15.5	15.7	2.0	2.0	2.0	5.8	10.4	10.3	11.1	11.2	11.1	3
1.9	1.8	1.9	11.5	11.3	11.6	2.8	2.8	2.8	5.5	9.4	9.3	7.8	7.2	7.2	4
4.4	4.8	4.6	21.9	21.7	21.8	4.1	4.4	4.4	18.3	18.7	18.7	16.2	16.0	15.8	5
3.1	3.1	3.1	15.2	15.3	15.3	2.1	2.2	2.2	12.3	12.6	12.4	12.3	11.6	11.5	6
2.6	2.7	3.0	12.2	11.6	11.7	2.0	2.0	2.0	10.0	10.1	10.1	11.0	9.6	9.5	7
8.9	9.0	9.1	46.8	46.5	46.8	13.8	14.0	14.0	44.9	46.8	46.9	42.5	42.1	42.1	8
6.8	7.0	6.9	34.5	35.5	35.2	9.2	9.6	9.6	32.1	32.4	32.4	24.3	24.8	24.0	9
148.8	147.0	(*)	735.7	736.6	(*)	157.6	156.9	(*)	648.2	674.4	(*)	604.6	597.2	(*)	10
3.3	3.3	(*)	19.3	18.0	(*)	4.2	4.2	(*)	23.3	23.4	(*)	39.8	38.1	(*)	11
2.4	2.4	(*)	10.8	10.7	(*)	3.8	3.8	(*)	10.9	11.5	(*)	12.1	11.8	(*)	12
1.8	1.7	(*)	8.4	8.5	(*)	1.3	1.3	(*)	7.0	7.5	(*)	5.1	5.3	(*)	13
81.3	78.7	(*)	363.0	369.0	(*)	90.3	90.7	(*)	349.6	361.7	(*)	249.5	242.7	(*)	14
5.9	6.0	(*)	39.7	40.9	(*)	6.7	6.8	(*)	29.7	30.6	(*)	29.3	27.7	(*)	15
11.1	11.5	(*)	61.4	63.0	(*)	10.8	10.7	(*)	48.2	48.3	(*)	31.9	32.2	(*)	16
5.2	5.2	(*)	10.0	10.3	(*)	1.8	1.8	(*)	9.3	9.4	(*)	9.4	8.8	(*)	17
3.9	3.7	(*)	22.1	21.3	(*)	3.7	3.9	(*)	21.5	22.2	(*)	17.2	17.5	(*)	18
5.6	5.5	(*)	34.9	35.7	(*)	9.5	9.5	(*)	25.0	29.8	(*)	62.1	62.1	(*)	19
3.1	3.2	(*)	12.3	12.7	(*)	1.8	1.8	(*)	10.2	10.3	(*)	11.0	10.9	(*)	20
5.0	4.8	(*)	17.8	17.9	(*)	4.1	4.1	(*)	13.7	14.4	(*)	11.0	11.1	(*)	21
98.7	97.0	97.1	443.1	437.7	440.2	96.4	97.4	97.5	375.2	384.8	387.8	278.1	278.3	273.3	22
6.8	6.5	6.6	16.4	15.5	15.6	2.2	2.2	2.2	13.2	13.4	13.6	12.2	11.6	11.3	23
63.8	62.8	62.6	268.7	269.0	270.3	71.5	72.9	73.0	242.1	253.9	255.2	146.5	150.1	146.3	24
1.9	1.5	2.0	5.7	10.2	10.2	1.4	1.4	1.4	18.9	19.6	19.5	6.0	5.8	5.7	25
3.5	3.4	3.4	13.4	13.5	13.6	1.5	1.9	1.9	5.5	10.0	10.0	8.9	9.4	9.2	26
41.1	40.9	40.6	164.9	166.3	166.4	33.1	33.3	33.3	118.2	120.9	119.8	185.2	182.8	177.7	27
10.0	9.8	9.8	34.6	34.4	34.3	11.3	11.2	11.2	27.5	28.2	28.3	33.0	32.5	32.4	28
138.3	137.8	138.0	467.9	470.9	472.5	109.9	112.6	112.5	405.5	413.8	415.7	317.0	313.3	309.8	29
51.9	51.3	51.7	158.1	155.8	156.1	44.7	44.7	44.6	135.0	136.8	137.4	88.7	88.2	86.5	30
2.2	2.1	2.1	5.0	8.6	8.5	2.0	2.0	2.0	7.0	6.9	6.9	6.0	5.3	5.4	31
71.0	71.0	70.6	225.5	225.5	225.3	56.9	57.0	56.7	214.5	220.5	220.3	132.1	127.9	125.8	32
6.5	6.4	6.3	23.0	23.2	23.3	3.4	3.4	3.4	18.6	18.1	18.7	9.8	10.7	10.8	33
23.2	23.8	23.8	74.2	75.5	77.0	13.1	12.9	13.0	57.8	58.1	58.0	68.2	66.0	65.1	34
4.8	4.7	4.8	16.4	16.0	16.0	2.3	2.3	2.3	10.4	10.1	10.1	7.4	7.2	7.3	35
1.9	1.9	1.9	9.7	9.7	9.8	2.0	2.0	2.0	7.0	7.0	7.1	5.7	5.3	5.3	36
47.5	47.6	47.8	165.3	164.5	165.2	43.3	43.7	43.7	118.2	120.8	122.0	120.6	125.9	124.3	37
7.6	7.2	7.3	21.4	21.7	21.8	6.9	7.1	7.1	16.9	17.4	17.4	28.0	26.6	28.3	38
24.4	24.3	24.4	67.6	67.4	67.7	25.1	25.8	25.7	58.9	60.8	60.6	38.1	40.5	39.7	39
24.3	25.6	25.7	80.0	87.1	86.9	17.7	18.6	18.6	174.4	177.9	182.0	54.9	54.5	54.0	40
13.1	14.0	14.0	45.4	50.0	49.7	10.1	10.7	10.7	106.6	106.8	111.7	24.5	25.1	24.6	41
8.4	8.4	8.4	24.6	26.5	26.4	6.1	6.3	6.3	44.5	44.4	44.6	15.7	15.4	15.4	42
13.6	13.5	13.6	88.8	89.2	89.4	19.9	20.1	20.0	79.7	81.6	82.3	51.5	50.6	49.7	43
4.6	4.6	4.6	18.6	19.0	18.9	6.1	6.3	6.3	15.2	15.4	15.5	8.1	8.0	7.9	44
1.8	1.8	1.8	12.5	12.4	12.6	2.0	2.0	2.0	9.5	9.6	9.9	5.3	5.3	5.1	45
189.6	188.9	189.2	683.3	694.5	693.4	159.9	161.7	161.7	631.0	674.1	673.1	527.4	523.5	515.2	46
4.0	3.9	4.0	23.3	23.2	23.3	4.8	5.3	5.1	34.5	47.6	47.4	16.4	15.0	15.3	47
15.3	14.7	14.8	85.1	86.5	86.4	17.0	16.6	16.5	68.1	69.8	70.4	61.3	60.6	59.7	48
20.8	20.2	20.3	114.0	111.1	108.4	17.0	18.0	18.0	75.1	78.3	79.1	41.9	44.4	41.5	49
26.1	23.2	24.5	43.4	42.9	43.0	8.8	8.8	8.9	31.5	31.3	31.0	50.7	47.5	46.1	50
5.9	5.9	5.9	42.2	43.9	44.1	8.3	8.3	8.3	45.9	47.3	47.1	33.0	34.6	33.8	51
23.3	24.3	24.5	64.3	65.0	64.5	10.3	10.7	10.7	42.4	43.5	43.7	48.5	42.1	41.5	52
74.0	73.5	73.8	173.5	175.1	174.3	64.5	65.1	64.9	188.2	203.7	203.0	155.9	152.2	151.3	53
6.7	6.9	7.1	39.0	39.6	39.4	9.3	9.0	9.0	33.2	33.2	33.1	26.2	27.6	27.4	54
5.4	5.2	5.3	24.4	24.8	24.5	7.7	8.0	8.0	41.8	41.5	41.3	44.0	44.6	44.6	55
3.0	2.8	2.9	8.8	8.5	8.5	2.4	2.4	2.4	8.5	8.5	8.7	12.3	12.3	12.2	56
28.0	28.5	28.5	104.0	105.1	106.8	21.2	21.6	21.6	54.4	59.0	59.3	121.4	120.7	121.7	57
11.5	11.6	11.7	46.7	47.2	47.6	10.9	11.3	11.3	43.7	45.9	45.8	43.7	41.6	42.5	58
1.0	1.1	1.1	5.3	5.4	5.6	1.2	1.2	1.3	3.9	4.0	3.9	12.3	12.5	12.4	59
430.3	428.1	428.5	1,460.8	1,469.5	1,465.7	632.5	645.5	645.2	1,719.1	1,769.7	1,771.8	1,315.4	1,299.6	1,287.1	60
15.9	15.9	16.1	69.4	68.0	69.0	15.9	16.1	16.0	73.7	73.5	74.8	95.1	95.2	96.3	61
4.7	4.5	4.5	21.6	21.9	21.9	4.0	4.0	4.1	18.2	18.9	20.1	20.6	20.1	19.1	62

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P
NEW YORK—Continued												
1 Buffalo	499.4	501.3	497.9	(1)	(1)	(1)	19.5	17.5	17.6	128.6	133.1	130.3
2 Elmira	37.7	36.8	37.2	(1)	(1)	(1)	1.3	1.2	1.3	11.6	11.2	11.4
3 Monroe County ⁶	334.3	340.1	340.3	(1)	(1)	(1)	10.5	10.4	10.6	136.8	140.6	140.4
4 Nassau—Suffolk ⁷	918.2	936.0	927.0	(1)	(1)	(1)	38.9	37.8	38.3	166.8	165.1	165.8
5 New York—NortheasternNew Jersey	(*)	6,766.3	(*)	(*)	2.9	(*)	(*)	207.1	(*)	(*)	1,305.2	(*)
6 New York and Nassau—Suffolk ⁵	4,689.3	4,720.4	4,711.2	1.8	1.8	1.8	135.8	135.3	136.7	757.0	733.0	740.6
7 New York SMSA ⁷	3,771.1	3,784.4	3,784.2	1.6	1.5	1.6	96.9	97.4	98.4	590.2	567.9	574.8
8 New York City ⁸	3,320.8	3,330.4	3,331.2	1.2	1.2	1.2	76.7	77.3	78.3	498.5	475.4	482.6
9 Poughkeepsie	97.1	98.6	98.7	(1)	(1)	(1)	3.0	2.7	2.8	32.0	33.1	33.3
10 Rochester	412.0	416.8	418.2	(1)	(1)	(1)	13.0	13.1	13.3	158.8	162.4	163.4
11 Rockland County ⁹	83.6	84.0	84.0	(1)	(1)	(1)	2.9	2.9	2.9	15.9	15.6	15.9
12 Syracuse	258.0	257.7	258.2	(1)	(1)	(1)	10.5	9.8	10.3	58.7	59.2	59.5
13 Utica—Rome	116.1	115.0	115.0	(1)	(1)	(1)	3.2	3.0	3.1	30.5	30.1	30.3
14 Westchester County ⁸	354.4	357.7	356.5	(1)	(1)	(1)	16.5	16.5	16.5	74.6	75.5	75.1
15 NORTH CAROLINA	2,350.7	2,348.0	2,357.7	5.1	4.9	4.9	121.2	114.5	114.7	818.2	823.2	828.0
16 Asheville	71.1	71.0	71.1	(1)	(1)	(1)	3.4	3.2	3.2	21.4	21.2	21.3
17 Charlotte—Gastonia	333.8	331.3	331.7	(1)	(1)	(1)	18.4	18.1	18.1	92.2	93.2	93.6
18 Greensboro—Winston-Salem—HighPt.	374.2	382.8	383.7	(1)	(1)	(1)	17.3	17.6	17.7	146.0	150.5	150.4
19 Raleigh—Durham	262.4	261.3	261.6	(1)	(1)	(1)	13.2	12.8	12.8	44.3	44.3	44.4
20 NORTH DAKOTA	246.7	248.1	248.7	8.8	10.6	10.9	18.8	16.3	16.7	15.0	15.5	15.4
21 Fargo—Moorhead	61.3	61.6	62.1	(2)	(2)	(2)	4.5	4.0	4.1	4.7	4.9	4.9
22 OHIO	4,336.2	4,365.4	4,355.0	31.3	31.3	31.5	195.1	181.5	181.8	1,221.0	1,247.2	1,245.2
23 Akron	259.1	255.4	255.7	(*)	(*)	(*)	9.2	8.4	8.4	77.0	75.8	75.6
24 Canton	155.1	156.5	156.8	(*)	(*)	(*)	5.9	5.5	5.5	53.8	55.8	56.0
25 Cincinnati	598.0	602.9	602.4	(*)	(*)	(*)	28.2	27.2	27.2	160.3	161.7	161.5
26 Cleveland	897.6	901.0	895.4	(*)	(*)	(*)	35.9	33.3	33.3	242.4	252.2	250.3
27 Columbus	507.8	514.2	515.2	(*)	(*)	(*)	22.9	21.5	21.6	91.7	93.4	92.9
28 Dayton	348.2	351.5	351.2	(*)	(*)	(*)	14.4	12.8	12.9	96.2	99.8	99.3
29 Toledo	288.7	290.3	289.7	(*)	(*)	(*)	14.1	14.0	14.2	73.9	75.3	76.1
30 Youngstown—Warren	198.1	200.8	197.5	(*)	(*)	(*)	7.8	7.4	7.4	66.9	68.9	66.6
31 OKLAHOMA	1,137.0	1,175.6	1,185.5	74.1	86.3	88.1	59.2	61.1	61.3	188.9	195.9	196.6
32 Enid	25.3	26.3	25.5	1.9	2.2	2.4	1.8	1.6	1.5	3.0	3.1	3.0
33 Lawton	28.4	29.1	28.5	(1)	(1)	(1)	1.7	1.6	1.6	2.8	3.0	3.0
34 Oklahoma City	401.5	420.1	421.3	18.2	20.9	21.1	21.6	24.9	25.3	54.3	55.9	56.0
35 Tulsa	305.8	318.6	321.2	21.7	24.1	24.2	18.9	18.8	19.0	62.6	65.7	66.2
36 OREGON	1,030.1	1,012.4	1,012.8	2.5	2.4	2.3	47.8	41.5	42.0	218.8	211.3	213.1
37 Eugene—Springfield	102.1	99.4	99.5	(1)	(1)	(1)	4.9	4.4	4.4	20.5	19.2	19.8
38 Jackson County	-	-	-	-	-	-	-	-	-	8.0	7.4	6.6
39 Portland	546.3	539.4	537.7	(1)	(1)	(1)	24.7	20.8	21.1	113.5	109.7	109.6
40 Salem	91.9	85.4	88.0	(1)	(1)	(1)	4.6	3.8	3.6	19.5	15.4	18.5
41 PENNSYLVANIA	4,714.9	4,688.2	4,684.0	45.0	51.4	52.0	205.2	195.8	196.8	1,301.0	1,258.9	1,308.0
42 Allentown—Bethlehem—Easton	261.0	260.3	261.1	(1)	(1)	(1)	9.9	8.8	9.2	106.7	105.9	106.4
43 Altoona	50.4	50.5	49.9	(1)	(1)	(1)	2.4	2.3	2.3	12.5	13.2	13.2
44 Delaware Valley ²	1,569.5	1,565.4	1,565.2	(1)	(1)	(1)	63.5	62.1	61.1	361.6	359.5	361.4
45 Erie	111.9	109.2	109.4	(1)	(1)	(1)	3.6	3.4	3.3	41.5	39.6	40.3
46 Harrisburg	223.7	225.0	225.0	(1)	(1)	(1)	9.1	8.5	8.4	42.9	42.7	42.8
47 Johnstown	83.0	82.9	82.9	7.6	8.0	8.2	3.2	2.6	2.7	18.9	17.1	17.8
48 Lancaster	153.7	154.7	154.2	(1)	(1)	(1)	7.5	7.1	6.9	59.1	60.1	60.6
49 Northeast Pennsylvania	240.2	239.8	240.0	1.2	1.3	1.3	11.9	12.7	12.7	70.0	70.0	70.6
50 Philadelphia SMSA	1,501.4	1,898.4	1,902.3	(1)	(1)	(1)	78.6	76.6	75.7	431.4	429.6	432.0
51 Philadelphia City ¹⁰	786.8	775.8	782.1	(1)	(1)	(1)	20.8	19.1	19.1	132.1	131.4	131.9
52 Pittsburgh	948.4	952.1	951.5	10.6	10.3	10.1	47.8	49.5	50.8	235.0	240.5	239.5
53 Reading	137.3	140.6	139.8	(1)	(1)	(1)	5.9	6.0	6.1	53.0	54.5	54.4
54 Scranton ¹¹	86.0	85.1	85.4	(1)	(1)	(1)	2.4	3.0	2.9	27.6	27.7	28.3
55 Wilkes-Barre—Hazleton ¹²	123.3	123.7	123.6	1.1	1.2	1.2	8.1	8.4	8.4	37.7	37.2	37.6
56 Williamsport	45.6	45.6	46.2	(1)	(1)	(1)	1.7	1.5	1.6	15.3	15.2	15.9
57 York	153.5	155.6	156.2	(1)	(1)	(1)	7.1	6.9	6.8	63.9	65.7	66.7
58 RHODE ISLAND	399.3	391.0	399.1	(1)	(1)	(1)	13.5	13.5	13.3	125.7	117.0	126.4
59 Providence—Warwick—Pawtucket	404.2	397.0	406.4	(1)	(1)	(1)	13.7	13.9	13.5	139.4	129.9	140.5
60 SOUTH CAROLINA	1,181.8	1,183.6	1,183.6	1.9	1.9	1.8	74.5	73.1	71.5	390.0	384.8	388.5
61 Charleston—North Charleston	149.6	152.7	152.6	(1)	(1)	(1)	11.0	10.3	9.9	19.9	21.3	21.8
62 Columbia	175.3	174.5	173.2	(1)	(1)	(1)	8.4	8.5	8.5	27.7	27.2	26.7
63 Greenville—Spartanburg	258.7	262.9	261.8	(1)	(1)	(1)	17.9	17.5	17.4	103.3	101.3	101.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government				
AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P		
27.2	25.9	25.6	113.4	114.0	114.0	22.8	22.7	22.7	100.2	102.9	103.7	87.7	85.2	84.1	1	
1.4	1.3	1.3	8.6	9.0	9.0	1.0	1.1	1.1	6.5	7.2	7.3	7.0	5.8	5.8	2	
10.3	10.3	10.3	58.8	59.1	59.2	14.7	14.8	14.8	66.2	68.3	68.1	37.2	36.6	36.9	3	
36.5	38.1	38.1	239.1	247.7	245.4	52.5	52.8	52.8	210.2	218.1	215.8	174.1	176.4	170.8	4	
(*)	468.0	(*)	(*)	1,390.2	(*)	(*)	647.6	(*)	(*)	1,635.2	(*)	(*)	1,110.1	(*)	(*)	5
317.5	319.5	319.4	946.5	956.0	951.2	525.1	536.2	535.9	1,209.1	1,244.7	1,242.6	796.5	793.9	783.0	6	
281.0	281.4	281.3	707.4	708.3	705.8	472.6	483.5	483.1	555.1	1,026.9	1,027.1	622.4	617.5	612.2	7	
257.6	257.9	257.6	603.3	603.6	601.2	450.6	461.5	461.0	887.3	912.1	912.1	545.5	541.4	537.2	8	
2.9	2.8	2.8	16.4	16.3	16.2	2.8	2.9	2.8	18.2	18.5	18.7	21.8	22.3	22.1	9	
13.0	12.8	12.8	75.8	76.0	76.4	16.4	16.5	16.5	78.9	79.5	79.3	56.0	56.4	56.5	10	
3.4	3.5	3.5	18.2	18.5	18.5	2.6	2.6	2.6	15.4	19.4	19.4	21.2	21.5	21.3	11	
15.3	14.6	14.7	57.7	58.0	58.0	16.6	16.9	16.9	50.4	50.6	50.5	48.8	48.7	48.2	12	
3.9	3.9	3.9	22.8	22.5	22.4	5.6	5.5	5.6	20.9	21.5	21.4	29.2	28.5	28.3	13	
19.3	19.4	19.5	82.8	83.1	83.0	18.8	18.9	19.0	89.4	92.6	92.7	52.9	51.5	50.6	14	
116.6	117.6	118.7	476.0	472.3	475.8	96.5	98.0	97.6	349.4	358.6	357.6	367.7	358.9	360.4	15	
3.7	3.6	3.6	15.3	15.4	15.5	2.2	2.1	2.2	14.0	14.4	14.2	11.1	11.1	11.1	16	
31.1	31.4	31.6	83.7	82.1	82.1	21.2	21.3	21.1	53.2	53.7	53.7	34.0	31.5	31.5	17	
21.2	21.4	21.4	76.4	76.1	76.7	18.0	18.6	18.5	56.6	59.0	58.7	38.7	39.6	40.3	18	
13.8	14.2	14.2	51.7	51.2	51.9	16.0	15.9	15.9	55.1	55.7	55.4	68.3	67.2	67.0	19	
16.8	16.7	16.7	68.6	67.7	68.1	11.6	12.0	12.0	49.6	51.5	51.7	57.5	57.8	57.2	20	
3.9	3.9	3.9	19.7	19.3	19.7	3.8	3.8	3.8	13.4	13.9	13.9	11.3	11.8	11.8	21	
226.1	220.8	221.0	967.7	967.1	969.4	208.1	210.1	210.5	826.5	864.9	865.3	650.5	642.4	634.3	22	
14.1	13.6	13.6	57.2	56.1	56.4	9.3	9.2	9.2	52.1	53.3	53.6	39.7	38.6	38.5	23	
7.3	7.0	7.1	33.4	33.1	33.3	6.4	6.4	6.4	28.8	30.0	29.9	18.3	17.7	17.4	24	
33.9	33.3	33.2	140.7	141.6	142.1	33.4	33.7	33.9	123.3	127.9	127.8	77.9	77.2	76.5	25	
46.8	45.4	45.5	209.6	207.9	207.9	49.1	49.6	49.8	187.9	190.3	191.5	124.2	120.9	119.8	26	
24.8	24.9	25.0	122.2	123.9	125.0	38.6	40.0	40.1	106.9	110.8	111.1	99.9	98.9	98.5	27	
13.3	13.4	13.4	72.9	72.4	72.7	13.7	13.9	14.0	72.3	73.9	74.2	65.0	64.9	64.4	28	
19.8	19.5	19.6	66.6	66.3	66.0	10.9	11.0	11.0	61.0	62.0	62.3	42.0	41.7	40.0	29	
9.3	9.2	9.2	45.0	44.7	44.6	7.2	7.3	7.3	38.0	39.5	39.4	23.5	23.4	22.6	30	
68.6	69.9	69.7	270.6	284.3	287.2	57.1	59.0	58.9	203.4	215.4	215.7	215.1	203.7	208.0	31	
2.8	2.9	2.9	6.9	7.0	7.0	1.1	1.1	1.1	4.4	4.5	4.5	3.4	3.9	3.5	32	
1.3	1.4	1.3	7.1	7.1	7.1	1.3	1.3	1.3	4.4	4.6	4.7	9.8	10.1	9.5	33	
23.0	25.1	25.2	98.1	105.4	106.4	25.0	26.2	26.0	74.6	80.2	79.9	86.7	81.5	81.4	34	
24.6	24.7	24.6	70.9	73.6	74.2	15.8	16.2	16.2	60.3	64.8	64.6	31.0	30.7	32.2	35	
59.7	59.9	59.7	256.6	253.8	254.0	70.3	68.7	68.2	191.8	192.6	192.4	182.6	182.2	181.1	36	
5.1	5.1	5.0	25.6	24.8	24.8	5.4	5.4	5.4	20.6	20.5	20.2	20.0	20.0	19.9	37	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	
36.1	36.2	36.1	140.9	139.4	139.8	46.1	46.1	45.6	111.1	111.7	112.0	73.9	75.5	73.5	39	
2.9	2.8	2.8	19.5	19.4	19.1	5.5	5.4	5.4	14.4	14.1	14.3	25.5	24.5	24.3	40	
255.6	246.1	246.5	982.8	966.7	962.2	239.1	243.7	243.0	570.2	585.8	586.0	711.9	699.8	689.5	41	
14.3	14.4	14.5	50.1	49.0	49.3	9.7	10.2	10.2	44.7	46.7	46.7	25.6	25.3	24.8	42	
6.6	6.0	5.9	10.9	10.9	10.9	1.5	1.6	1.6	8.9	8.8	8.8	7.6	7.7	7.2	43	
80.6	78.5	78.1	320.3	318.6	318.3	109.0	112.5	112.5	389.9	401.3	401.9	244.6	232.9	235.9	44	
5.0	5.4	5.4	21.9	22.3	22.3	4.9	5.0	5.0	22.6	23.0	22.8	12.4	10.5	10.3	45	
16.7	15.9	15.7	44.7	44.2	44.7	13.2	13.2	13.1	40.8	42.9	43.2	56.3	57.6	57.1	46	
3.8	4.4	4.4	16.3	16.0	16.0	4.0	4.2	4.2	16.2	16.1	16.1	13.0	14.5	13.5	47	
6.1	6.5	6.4	34.0	35.5	34.9	5.7	5.7	5.7	27.0	26.6	26.6	14.3	13.2	13.1	48	
13.4	12.8	13.0	49.8	49.5	49.7	9.9	10.1	10.0	46.5	45.0	45.1	37.5	38.4	37.6	49	
95.9	93.2	92.9	405.4	405.2	404.8	126.0	129.0	129.0	458.1	471.3	472.3	306.0	293.5	295.6	50	
52.1	48.7	48.9	141.0	139.9	140.8	66.5	67.7	67.7	212.0	214.5	214.8	162.3	154.5	158.9	51	
59.2	56.3	56.4	208.6	214.5	214.4	46.5	46.8	46.6	215.5	214.7	214.0	125.2	119.5	119.7	52	
6.2	6.0	6.1	27.5	28.1	28.1	6.2	6.4	6.4	23.2	24.6	24.6	15.3	15.0	14.1	53	
4.4	4.1	4.1	18.8	18.5	18.5	3.6	3.5	3.6	17.9	16.8	16.5	11.3	11.5	11.5	54	
7.2	7.0	7.1	25.6	25.7	25.7	5.2	5.3	5.3	19.2	19.5	19.6	19.2	19.4	18.7	55	
2.3	2.3	2.3	9.9	9.7	9.8	2.1	2.2	2.3	8.2	8.3	8.3	6.1	6.4	6.0	56	
7.3	7.4	7.4	32.8	33.0	33.2	4.0	3.9	3.9	22.0	21.9	21.8	16.4	16.8	16.5	57	
13.5	12.8	12.7	81.5	80.5	80.4	21.0	21.0	21.2	84.1	87.7	86.8	60.0	58.5	58.3	58	
13.4	12.8	12.7	80.4	80.7	80.7	21.0	21.0	21.2	80.0	84.1	83.2	56.3	54.6	54.6	59	
53.6	55.0	55.2	226.4	229.2	229.4	48.5	49.9	50.2	161.7	167.9	167.8	225.2	221.8	219.2	60	
9.3	9.4	9.5	31.4	32.8	33.1	6.5	6.8	6.8	24.4	25.3	25.6	47.1	46.8	45.9	61	
9.5	9.7	9.6	37.8	37.0	36.7	14.3	14.5	14.6	26.3	26.4	26.2	51.3	51.2	50.9	62	
9.9	10.2	10.3	51.8	52.0	52.0	9.4	9.5	9.5	34.8	37.4	36.9	31.6	35.0	33.9	63	

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P
1 SOUTH DAKOTA	237.7	234.1	233.3	2.9	2.9	2.9	12.4	10.8	10.7	25.4	26.3	26.1
2 Rapid City	32.7	32.3	32.3	(2)	(2)	(2)	2.3	1.9	2.0	3.2	3.1	3.0
3 Sioux Falls	53.6	53.6	53.7	(2)	(2)	(2)	2.7	2.5	2.4	7.9	8.1	8.0
4 TENNESSEE	1,711.3	1,706.1	1,713.7	5.6	10.5	10.5	78.9	74.7	74.4	496.6	507.3	520.5
5 Chattanooga	164.0	164.2	164.7	1.2	1.3	1.3	6.5	6.3	6.3	49.7	48.5	49.2
6 Knoxville	(*)	196.6	(*)	(*)	1.7	(*)	(*)	11.1	(*)	(*)	49.6	(*)
7 Memphis	355.3	354.5	353.7	.2	.1	.1	16.1	15.4	15.4	59.7	59.7	59.0
8 Nashville—Davidson	349.7	352.6	351.9	(1)	(1)	(1)	17.7	16.8	17.1	77.4	79.4	81.0
9 TEXAS	5,868.5	6,149.9	6,152.9	245.4	281.9	284.8	435.3	440.6	440.8	1,049.6	1,083.1	1,091.7
10 Abilene	55.1	58.1	57.6	4.4	4.6	4.6	3.2	3.4	3.3	5.6	6.3	6.2
11 Amarillo	73.6	76.1	76.0	(1)	(1)	(1)	4.2	4.5	4.6	9.0	10.2	10.1
12 Austin	233.7	247.1	246.9	(1)	(1)	(1)	14.0	15.0	15.2	30.5	31.4	31.6
13 Beaumont—Port Arthur Orange	151.8	152.5	153.5	(1)	(1)	(1)	13.4	10.3	11.7	42.6	44.1	44.4
14 Corpus Christi	123.6	126.8	126.4	6.6	6.3	6.4	12.9	13.2	13.4	16.3	16.7	16.7
15 Dallas—Fort Worth	1,454.0	1,518.1	1,522.9	25.4	28.8	28.9	86.5	93.1	92.8	316.3	320.6	323.9
16 El Paso	160.1	163.1	163.5	(1)	(1)	(1)	8.5	8.2	8.2	34.8	36.8	37.9
17 Galveston—Texas City	71.9	73.4	72.5	(1)	(1)	(1)	5.0	4.6	4.7	12.2	12.7	12.6
18 Houston	1,442.1	1,500.9	1,506.4	81.8	88.3	88.5	147.6	145.0	147.0	242.0	256.8	258.0
19 Longview—Marshall	64.5	65.3	64.9	(1)	(1)	(1)	4.9	4.3	4.3	18.9	19.5	19.4
20 Lubbock	88.3	88.2	88.2	(1)	(1)	(1)	4.3	4.6	4.4	13.3	11.5	11.6
21 Midland	42.8	46.4	46.2	10.8	12.7	12.7	3.1	3.0	3.1	3.9	3.9	3.9
22 Odessa	53.3	57.3	57.3	8.4	9.0	9.0	4.5	5.5	5.2	7.3	8.3	8.3
23 San Angelo	35.0	36.9	37.1	.8	.9	.9	2.3	2.4	2.3	6.3	6.3	6.2
24 San Antonio	395.6	404.8	403.8	2.5	3.0	3.0	29.2	29.7	29.7	51.2	53.9	54.2
25 Sherman—Denison	36.8	37.0	37.1	.2	.2	.2	1.7	1.8	1.7	13.4	12.9	13.0
26 Waco	70.1	71.6	71.5	(1)	(1)	(1)	3.9	3.6	3.6	16.5	17.5	17.3
27 Wichita Falls	51.8	54.2	54.3	3.4	3.6	3.6	2.6	2.6	2.7	9.3	10.4	10.4
28 UTAH	544.8	550.6	550.7	16.0	20.5	20.6	33.4	30.4	30.4	86.5	87.8	88.4
29 Salt Lake City—Ogden	385.8	390.1	390.3	4.1	7.7	7.7	23.3	20.0	20.4	59.0	60.7	60.9
30 VERMONT	158.8	201.3	201.1	.7	.6	.7	11.0	11.1	11.1	50.4	49.9	50.2
31 Burlington ¹³	56.0	57.7	57.7	-	-	-	-	-	-	14.8	15.5	16.0
32 Springfield ¹³	14.5	14.2	14.2	-	-	-	-	-	-	6.4	6.1	6.1
33 VIRGINIA	2,124.1	2,150.2	2,151.5	23.9	23.9	24.1	129.4	119.2	118.8	405.5	406.6	408.5
34 Bristol	28.1	28.9	29.0	(1)	(1)	(1)	1.4	1.6	1.6	9.3	9.7	9.6
35 Lynchburg	71.1	68.7	70.3	(1)	(1)	(1)	4.1	3.5	3.5	28.6	27.6	29.0
36 Newport News—Hampton	155.3	158.6	155.0	(1)	(1)	(1)	7.4	7.3	7.4	34.8	35.4	35.2
37 Norfolk—Virginia Beach—Portsmouth	284.0	292.7	293.1	(1)	(1)	(1)	16.4	16.8	17.0	29.2	29.3	29.4
38 Northern Virginia ¹⁴	433.5	445.5	444.3	.4	.4	.4	28.1	29.5	29.3	17.0	18.2	18.2
39 Petersburg—Colonial Hights—Holyoke	48.0	44.9	44.7	(1)	(1)	(1)	3.4	2.5	2.4	11.7	10.8	10.9
40 Richmond	323.2	327.6	328.2	.4	.3	.3	17.3	16.4	16.4	55.3	56.5	57.0
41 Roanoke	105.7	103.7	103.6	.1	.1	.1	6.8	5.2	5.3	20.9	20.9	20.9
42 WASHINGTON	1,602.2	1,581.8	1,576.1	3.3	3.3	3.4	91.1	92.3	91.9	309.8	303.9	301.9
43 Seattle—Everett	782.8	770.2	769.1	(1)	(1)	(1)	43.4	38.6	39.0	176.8	169.5	169.5
44 Spokane	126.2	123.5	124.1	(1)	(1)	(1)	8.1	6.0	6.0	16.9	17.3	17.3
45 Tacoma	139.7	140.1	139.9	(1)	(1)	(1)	7.9	7.1	7.0	21.5	22.6	22.7
46 WEST VIRGINIA	640.8	640.6	629.5	65.5	66.3	66.3	39.4	33.0	32.2	114.9	114.1	114.3
47 Charleston	117.5	114.2	113.5	6.9	6.7	6.7	8.0	6.1	5.9	17.8	16.9	16.8
48 Huntington—Ashland	104.6	105.1	104.9	1.1	1.1	1.1	6.2	4.6	4.5	26.2	26.1	26.1
49 Parkersburg—Marletta	58.4	57.3	57.0	.9	.9	.9	3.9	3.2	3.2	16.8	16.3	16.5
50 Wheeling	65.5	64.5	64.8	5.6	5.2	5.2	3.3	2.7	2.6	11.7	12.3	12.5
51 WISCONSIN	1,543.6	1,955.5	1,964.8	2.9	2.6	2.5	73.7	70.8	71.0	559.7	563.6	567.5
52 Appleton—Oshkosh	125.1	126.4	126.6	(1)	(1)	(1)	6.4	6.3	6.0	47.0	47.5	48.0
53 Eau Claire	46.8	48.1	47.8	(1)	(1)	(1)	2.0	2.1	2.2	8.9	8.9	8.7
54 Green Bay	78.7	78.9	79.8	(1)	(1)	(1)	3.4	3.0	2.8	23.1	22.7	23.3
55 Janesville—Beloit	47.9	51.8	50.5	(1)	(1)	(1)	1.8	1.8	1.8	17.2	21.1	20.2
56 Kenosha	45.0	41.5	41.5	(1)	(1)	(1)	2.6	1.8	1.9	18.3	16.3	16.2
57 La Crosse	44.2	45.8	45.7	(1)	(1)	(1)	1.7	1.5	1.6	11.2	11.2	11.1
58 Madison	170.2	169.4	171.2	(1)	(1)	(1)	6.7	7.0	7.0	20.6	20.7	21.0
59 Milwaukee	668.0	668.5	671.7	(1)	(1)	(1)	19.9	21.3	21.9	202.0	198.4	199.7
60 Racine	66.4	68.4	67.4	(1)	(1)	(1)	1.9	1.7	1.7	27.0	29.3	28.5
61 WYOMING	211.1	213.4	214.8	36.4	38.4	39.3	23.1	18.9	18.9	10.9	11.9	12.1
62 Casper	39.0	40.1	39.7	7.6	7.1	6.8	4.6	3.8	3.7	1.9	1.9	2.0
63 Cheyenne	30.5	29.1	28.7	(1)	(1)	(1)	2.4	2.3	2.1	1.7	1.5	1.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government		
AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P
13.3	13.1	13.2	65.7	63.6	63.7	11.3	11.3	11.3	51.9	51.3	51.7	54.8	54.8	53.7
1.9	1.9	1.9	9.7	10.2	10.4	1.5	1.6	1.5	7.5	7.3	7.3	6.6	6.3	6.2
4.7	4.8	4.9	15.9	15.8	15.8	3.4	3.4	3.4	13.0	13.0	13.1	6.0	6.0	6.1
85.3	80.8	80.8	374.3	367.0	364.9	78.5	76.7	76.7	253.5	259.7	258.2	294.6	289.4	287.3
7.3	7.2	7.2	32.5	32.6	32.5	9.3	9.3	9.3	27.8	27.4	27.4	29.8	31.2	31.5
(*)	8.2	(*)	(*)	41.8	(*)	(*)	8.1	(*)	(*)	31.9	(*)	(*)	44.2	(*)
27.0	26.7	26.7	96.3	96.7	96.9	19.2	19.4	19.4	74.3	74.3	74.5	62.5	62.2	61.7
19.1	18.3	18.3	81.3	81.0	80.1	24.5	24.3	24.2	69.0	71.6	70.5	60.7	61.2	60.7
370.2	388.5	389.8	1,432.4	1,491.6	1,497.2	342.8	355.1	354.9	1,028.5	1,088.9	1,088.9	964.7	1,020.2	1,004.8
3.1	3.3	3.3	15.1	15.7	15.9	2.7	2.9	2.9	11.9	12.5	12.5	9.1	9.4	9.1
7.3	7.5	7.4	22.4	22.7	22.6	3.7	3.7	3.7	15.1	15.9	15.7	11.9	11.6	11.9
7.4	7.3	7.4	50.9	53.3	54.6	14.5	15.4	15.4	44.5	45.0	44.4	71.9	75.7	78.3
12.0	12.5	12.7	33.6	33.8	33.4	5.5	6.0	6.0	26.4	28.3	28.4	18.3	17.5	17.3
7.8	7.5	7.2	28.5	29.9	29.8	5.4	5.5	5.4	21.0	22.1	22.0	25.1	25.6	25.5
95.2	98.4	98.2	387.9	406.6	409.6	111.4	117.0	117.5	259.8	281.3	281.9	171.5	172.3	170.1
11.1	11.4	11.3	39.4	39.4	39.4	7.4	7.6	7.6	25.6	25.2	25.1	33.3	34.5	34.4
6.3	6.8	6.7	14.3	15.0	14.9	4.7	4.8	4.8	11.7	11.7	12.0	17.7	17.8	16.8
103.6	108.0	107.6	347.4	357.2	357.1	89.7	93.8	93.7	275.8	293.7	296.4	154.2	158.1	158.1
3.6	3.6	3.6	14.9	14.8	14.6	2.3	2.4	2.4	12.7	13.4	13.3	7.2	7.3	7.3
5.0	4.9	4.9	25.9	26.4	26.4	4.9	4.9	4.9	16.6	17.5	17.6	18.3	18.5	18.4
2.5	2.5	2.5	5.6	10.2	10.3	2.3	2.7	2.7	6.2	6.9	7.0	4.4	4.5	4.0
2.5	2.6	2.6	15.7	16.6	16.8	1.5	2.1	2.1	6.6	7.3	7.4	6.4	5.9	5.9
3.2	3.5	3.6	8.2	8.9	8.9	1.5	1.7	1.7	6.8	7.0	7.3	5.9	6.2	6.2
18.6	19.6	19.8	99.6	99.1	98.9	27.1	27.8	27.8	78.9	81.3	81.3	88.5	90.4	89.1
2.4	2.6	2.6	7.1	7.3	7.2	1.3	1.3	1.3	5.7	6.0	6.1	5.0	4.9	5.0
3.5	3.6	3.5	16.8	17.5	17.9	4.2	4.2	4.3	14.1	14.7	14.5	11.1	10.5	10.4
2.6	2.7	2.7	13.1	13.4	13.4	2.3	2.4	2.4	8.2	8.3	8.3	10.3	10.8	10.8
34.4	34.2	33.9	128.2	129.2	130.2	25.7	26.1	26.0	99.3	101.5	101.7	121.4	120.9	119.4
27.2	26.6	26.5	95.5	96.6	97.2	20.8	21.1	21.0	69.1	70.0	70.2	86.7	87.3	86.4
8.7	8.8	8.7	41.1	42.5	43.1	8.3	8.5	8.5	45.5	45.6	45.4	33.1	34.3	33.4
2.5	2.5	2.5	11.5	11.8	11.9	-	-	-	12.0	12.6	12.6	-	-	-
.7	.7	.7	2.1	2.2	2.2	-	-	-	2.7	2.5	2.6	-	-	-
115.5	118.9	118.6	451.2	462.6	464.2	106.6	109.5	109.5	355.2	410.9	409.7	496.8	498.6	498.1
1.1	1.3	1.3	6.6	6.7	6.9	1.0	1.0	1.0	3.8	3.8	3.9	4.9	4.8	4.7
2.8	2.6	2.6	11.6	11.2	11.2	3.7	3.6	3.7	10.7	10.5	10.5	9.6	9.7	9.8
5.3	5.4	5.3	29.4	29.9	30.1	5.3	5.3	5.4	20.7	23.2	23.6	42.4	42.1	42.0
19.3	19.8	19.7	65.5	73.5	73.8	14.8	15.0	14.9	55.9	59.5	59.7	78.9	78.8	78.6
29.5	29.3	29.3	98.4	102.1	102.0	27.6	28.8	28.7	114.7	116.9	116.2	118.2	120.7	120.2
1.5	1.4	1.4	8.0	8.3	8.3	1.3	1.3	1.3	6.4	6.5	6.5	15.7	14.1	13.5
19.9	20.4	20.3	72.8	74.8	74.8	26.9	26.9	26.9	55.5	62.1	62.3	70.7	70.2	70.2
9.8	9.5	9.6	25.7	25.8	25.8	6.3	6.4	6.3	19.6	20.2	20.2	16.5	15.6	15.4
91.8	89.2	88.9	387.7	378.1	379.8	93.1	93.8	93.8	313.4	319.0	320.0	312.0	302.2	296.4
53.8	52.8	52.9	186.3	186.4	187.0	56.9	57.4	57.6	153.2	156.9	158.0	112.4	108.6	105.1
7.9	8.1	8.2	35.6	34.8	35.2	8.3	8.5	8.4	28.6	29.9	30.1	20.8	18.9	18.9
6.9	7.3	7.3	33.0	33.3	33.5	7.3	7.5	7.6	31.0	31.3	31.6	32.1	31.0	30.2
43.7	43.4	43.4	129.9	131.0	131.3	22.3	22.2	22.2	99.0	97.5	97.5	125.7	132.9	122.4
10.0	9.7	9.6	26.7	26.4	26.6	5.2	5.1	5.1	20.8	21.0	21.0	22.6	22.3	21.8
9.8	10.2	10.2	23.4	25.3	25.3	3.8	3.8	3.7	16.0	15.9	15.8	18.1	18.3	18.2
2.6	2.5	2.5	12.7	12.7	12.8	2.1	2.1	2.1	9.8	9.6	9.6	9.7	10.0	9.4
4.0	3.8	3.8	15.6	15.3	15.4	2.8	2.8	2.8	13.7	13.7	13.7	8.9	9.1	8.8
89.2	87.6	87.8	443.4	445.3	449.4	94.8	97.7	97.5	375.8	386.9	388.9	304.3	301.5	300.2
4.2	4.1	4.2	25.6	25.3	25.9	5.5	5.5	5.6	21.1	21.9	22.0	15.4	15.4	15.1
2.6	2.6	2.6	12.6	13.0	13.1	1.7	1.7	1.7	10.1	10.5	10.5	8.9	9.4	9.0
5.9	6.0	6.0	19.3	19.9	20.1	2.4	2.4	2.4	14.8	15.0	15.4	9.8	9.9	9.9
1.7	2.0	2.0	11.2	11.1	11.2	1.3	1.4	1.4	6.2	8.2	8.3	6.4	6.3	6.2
1.3	1.1	1.1	8.3	8.2	8.3	1.1	1.1	1.1	7.5	7.5	7.6	5.8	5.4	5.4
2.4	2.2	2.2	12.1	12.1	12.1	1.1	1.1	1.1	10.3	11.3	11.2	5.5	6.5	6.3
6.2	6.2	6.2	35.6	35.9	36.2	13.1	13.3	13.4	31.2	31.9	32.4	56.8	54.3	55.0
33.3	32.7	32.5	144.6	144.8	145.5	39.6	40.5	40.4	146.1	149.3	149.4	82.5	81.5	82.3
2.2	2.3	2.2	12.9	12.8	12.8	2.3	2.2	2.2	11.6	11.3	11.3	8.5	8.8	8.6
18.2	18.8	19.0	45.7	45.5	45.2	7.2	7.3	7.4	22.1	33.9	34.0	37.5	38.7	38.9
3.2	3.4	3.5	10.1	10.2	10.2	1.8	1.9	2.0	5.5	6.0	5.9	4.3	5.8	5.6
4.5	4.5	4.3	6.9	6.4	6.2	1.5	1.4	1.5	5.6	5.0	5.1	7.9	8.0	7.9

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P
1 PUERTO RICO	(*)	(*)	(*)	.9	.8	(*)	39.4	33.5	(*)	(*)	(*)	(*)
2 Caguas	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
3 Mayaguez	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
4 Ponce	(*)	(*)	(*)	(*)	(*)	(*)	3.8	2.7	2.6	(*)	(*)	(*)
5 San Juan	(*)	(*)	(*)	(*)	(*)	(*)	26.8	23.7	23.1	(*)	(*)	(*)
6 VIRGIN ISLANDS	36.7	37.3	36.7	(2)	(2)	(2)	2.9	3.0	2.6	3.3	3.1	3.0

- ¹ Combined with services.
- ² Combined with construction.
- ³ Area included in Chicago-Gary Standard Consolidated Statistical Area.
- ⁴ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
- ⁵ Subarea of New York—Northeastern New Jersey.
- ⁶ Subarea of Rochester Standard Metropolitan Statistical Area.
- ⁷ Area included in New York and Nassau-Suffolk combined SMSA's.
- ⁸ Subarea of New York Standard Metropolitan Statistical Area.
- ⁹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.
- ¹⁰ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical

- Area: Philadelphia County.
- ¹¹ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.
- ¹² Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.
- ¹³ Total includes data for industry divisions not shown separately.
- ¹⁴ 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.

**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. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	
17.5	18.8	(*)	112.4	109.6	(*)	27.4	28.5	(*)	11.5	80.6	(*)	253.2	232.1	(*)	1
(*)	(*)	(*)	5.6	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	12.0	11.1	(*)	2
(*)	(*)	(*)	5.6	5.6	(*)	(*)	(*)	(*)	(*)	(*)	(*)	15.6	15.5	(*)	3
(*)	(*)	(*)	7.7	7.4	(*)	(*)	(*)	(*)	(*)	(*)	(*)	18.4	17.9	(*)	4
13.8	(*)	(*)	71.1	69.6	(*)	20.6	21.3	(*)	56.3	(*)	(*)	122.4	122.0	(*)	5
2.0	2.0	2.0	7.1	7.4	7.2	1.5	1.6	1.6	5.6	5.7	5.5	14.3	14.5	14.8	8

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
-	TOTAL PRIVATE	\$236.79	\$239.69	\$257.74	\$259.89	\$257.95	\$6.67	\$6.79	\$7.24	\$7.30	\$7.37
-	MINING	395.71	404.99	439.79	446.60	442.80	9.16	9.31	10.11	10.15	10.25
10	METAL MINING	396.90	423.06	469.04	476.75	-	10.39	10.55	11.61	11.83	-
101	Iron ores	402.85	430.07	495.46	513.28	-	11.38	11.53	11.91	12.25	-
102	Copper ores	359.04	424.93	495.97	486.02	-	10.56	10.98	11.98	12.06	-
11, 12	COAL MINING	436.40	444.57	484.01	502.07	-	10.91	10.95	-	12.04	-
12	BITUMINOUS COAL AND LIGNITE MINING	438.00	446.19	486.01	503.74	-	10.95	10.99	-	12.08	-
13	OIL AND GAS EXTRACTION	389.99	396.38	430.89	432.78	-	8.59	8.75	9.47	9.47	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	393.46	406.64	449.77	445.95	-	9.62	9.87	10.76	10.72	-
138	Oil and gas field services	388.22	392.65	425.41	428.17	-	8.26	8.39	9.09	9.11	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	334.74	342.88	362.32	364.97	-	7.66	7.74	8.31	8.39	-
142	Crushed and broken stone	325.02	324.72	350.32	352.15	-	7.37	7.33	7.98	8.04	-
-	CONSTRUCTION	374.49	386.84	404.90	406.54	390.53	10.04	10.18	10.74	10.87	10.97
15	GENERAL BUILDING CONTRACTORS	337.23	344.65	354.89	354.54	-	9.29	9.34	9.67	9.74	-
152	Residential building construction	317.90	323.43	323.63	319.52	-	8.88	8.91	8.94	8.95	-
153	Operative builders	292.58	303.55	312.85	306.74	-	8.06	8.16	8.41	8.45	-
154	Nonresidential building construction	359.54	368.02	391.34	394.00	-	9.77	9.84	10.52	10.62	-
16	HEAVY CONSTRUCTION CONTRACTORS	385.28	398.11	425.60	434.25	-	9.42	9.57	10.33	10.54	-
161	Highway and street construction	379.61	389.91	416.87	421.60	-	9.06	9.11	9.74	9.92	-
162	Heavy construction, except highway	388.24	403.60	429.30	439.29	-	9.61	9.82	10.60	10.82	-
17	SPECIAL TRADE CONTRACTORS	390.57	402.58	421.68	422.60	-	10.73	10.91	11.49	11.61	-
171	Plumbing, heating, air conditioning	407.96	419.14	441.18	440.30	-	10.85	11.03	11.61	11.71	-
172	Painting, paper hanging, decorating	348.30	358.69	376.30	377.01	-	9.98	10.19	10.60	10.62	-
173	Electrical work	453.46	468.25	497.59	497.07	-	12.06	12.29	13.06	13.15	-
174	Masonry, stonework, and plastering	367.85	378.08	385.17	387.78	-	10.51	10.65	11.10	11.24	-
175	Carpentering and flooring	334.16	343.77	354.61	351.92	-	9.63	9.85	10.19	10.26	-
176	Roofing and sheet metal work	324.14	333.20	354.24	360.15	-	9.45	9.52	10.15	10.29	-
-	MANUFACTURING	287.62	295.32	317.59	319.20	320.30	7.30	7.42	8.02	8.02	8.15
24, 25, 32-39	DURABLE GOODS	308.47	318.38	341.15	344.51	343.73	7.77	7.92	8.55	8.57	8.68
20, 23, 26-31	NONDURABLE GOODS	259.35	262.36	282.69	285.26	287.82	6.65	6.71	7.23	7.24	7.38
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	263.42	265.67	277.09	278.46	273.13	6.72	6.76	7.16	7.14	7.15
241	Logging camps and logging contractors	356.66	354.71	369.03	368.42	-	8.85	8.89	9.39	9.28	-
242	Sawmills and planing mills	275.22	276.41	292.39	295.02	-	6.95	6.98	7.44	7.45	-
2421	Sawmills and planing mills, general	289.35	290.14	307.33	312.04	-	7.27	7.29	7.82	7.86	-
2426	Hardwood dimension and flooring	184.69	185.28	200.55	200.15	-	4.76	4.80	5.09	5.08	-
243	Millwork, plywood, and structural members	251.55	257.54	266.88	269.27	-	6.50	6.57	6.95	6.94	-
2431	Millwork	243.58	257.54	270.72	270.20	-	6.41	6.57	7.05	7.00	-
2434	Wood kitchen cabinets	220.17	220.88	224.59	233.12	-	5.84	5.89	6.07	6.20	-
2435	Hardwood veneer and plywood	196.47	201.73	213.25	219.37	-	5.09	5.12	5.44	5.43	-
2436	Softwood veneer and plywood	328.45	326.42	338.72	339.78	-	8.09	8.12	8.73	8.69	-
244	Wood containers	184.14	190.13	204.05	206.80	-	4.95	5.03	5.30	5.33	-
245	Wood buildings and mobile homes	234.60	239.51	240.87	237.77	-	6.19	6.27	6.51	6.55	-
2451	Mobile homes	229.64	238.13	245.70	238.92	-	6.14	6.25	6.50	6.51	-
249	Miscellaneous wood products	217.60	221.35	231.43	236.61	-	5.44	5.52	5.98	5.96	-
25	FURNITURE AND FIXTURES	208.68	214.10	223.40	231.43	229.42	5.55	5.59	5.91	5.98	5.99
251	Household furniture	191.14	197.17	204.95	211.46	-	5.18	5.23	5.48	5.55	-
2511	Wood household furniture	177.18	183.64	193.67	198.02	-	4.75	4.82	5.11	5.13	-
2512	Upholstered household furniture	196.54	204.23	212.65	218.89	-	5.49	5.58	5.81	5.90	-
2514	Metal household furniture	202.92	211.10	221.54	225.97	-	5.59	5.57	5.83	5.90	-
2515	Mattresses and bedspings	220.17	221.34	220.33	233.36	-	5.84	5.84	6.02	6.19	-
252	Office furniture	235.59	238.40	247.65	263.16	-	6.01	5.99	6.35	6.53	-
253	Public building and related furniture	224.22	233.23	264.26	274.73	-	5.72	5.86	6.59	6.62	-
254	Partitions and fixtures	260.06	266.17	273.98	278.91	-	6.72	6.79	7.21	7.17	-
259	Miscellaneous furniture and fixtures	236.51	238.68	261.61	267.07	-	6.08	6.12	6.76	6.66	-

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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
-	TOTAL PRIVATE	35.5	35.3	35.6	35.6	35.0	-	-	-	-	-
-	MINING	43.2	43.5	43.5	44.0	43.2	-	-	-	-	-
10	METAL MINING	38.2	40.1	40.4	40.3	-	-	-	-	-	
101	Iron ores	35.4	37.3	41.6	41.9	-	-	-	-	-	
102	Copper ores	34.0	38.7	41.4	40.3	-	-	-	-	-	
11, 12	COAL MINING	40.0	40.6	-	41.7	-	-	-	-	-	
12	BITUMINOUS COAL AND LIGNITE MINING	40.0	40.6	-	41.7	-	-	-	-	-	
13	OIL AND GAS EXTRACTION	45.4	45.3	45.5	45.7	-	-	-	-	-	
131, 2	Crude petroleum, natural gas, and natural gas liquids	40.9	41.2	41.8	41.6	-	-	-	-	-	
138	Oil and gas field services	47.0	46.8	46.8	47.0	-	-	-	-	-	
14	NONMETALLIC MINERALS, EXCEPT FUELS	43.7	44.3	43.6	43.5	-	-	-	-	-	
142	Crushed and broken stone	44.1	44.3	43.9	43.8	-	-	-	-	-	
-	CONSTRUCTION	37.3	38.0	37.7	37.4	35.6	-	-	-	-	
15	GENERAL BUILDING CONTRACTORS	36.3	36.9	36.7	36.4	-	-	-	-	-	
152	Residential building construction	35.8	36.3	36.2	35.7	-	-	-	-	-	
153	Operative builders	36.3	37.2	37.2	36.3	-	-	-	-	-	
154	Nonresidential building construction	36.8	37.4	37.2	37.1	-	-	-	-	-	
16	HEAVY CONSTRUCTION CONTRACTORS	40.9	41.6	41.2	41.2	-	-	-	-	-	
161	Highway and street construction	41.9	42.8	42.8	42.5	-	-	-	-	-	
162	Heavy construction, except highway	40.4	41.1	40.5	40.6	-	-	-	-	-	
17	SPECIAL TRADE CONTRACTORS	36.4	36.9	36.7	36.4	-	-	-	-	-	
171	Plumbing, heating, air conditioning	37.6	38.0	38.0	37.6	-	-	-	-	-	
172	Painting, paper hanging, decorating	34.9	35.2	35.5	35.5	-	-	-	-	-	
173	Electrical work	37.6	38.1	38.1	37.8	-	-	-	-	-	
174	Masonry, stonework, and plastering	35.0	35.5	34.7	34.5	-	-	-	-	-	
175	Carpentering and flooring	34.7	34.9	34.8	34.3	-	-	-	-	-	
176	Roofing and sheet metal work	34.3	35.0	34.9	35.0	-	-	-	-	-	
-	MANUFACTURING	39.4	39.8	39.6	39.8	39.3	2.7	3.0	2.8	3.0	
24, 25, 32-39	DURABLE GOODS	39.7	40.2	39.9	40.2	39.6	2.6	2.9	2.8	2.9	
20-23, 26-31	NONDURABLE GOODS	39.0	39.1	39.1	39.4	39.0	2.9	3.1	2.8	3.0	
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	39.2	39.3	38.7	39.0	38.2	3.0	3.1	2.7	2.9	
241	Logging camps and logging contractors	40.3	39.9	39.3	39.7	-	4.7	4.5	3.8	4.6	
242	Sawmills and planing mills	39.6	39.6	39.3	39.6	-	3.7	3.7	3.2	3.3	
2421	Sawmills and planing mills, general	39.8	39.8	39.3	39.7	-	3.9	3.9	3.4	3.5	
2426	Hardwood dimension and flooring	38.8	38.6	39.4	39.4	-	2.4	2.4	2.2	2.3	
243	Millwork, plywood, and structural members	38.7	39.2	38.4	38.8	-	2.2	2.5	2.0	2.4	
2431	Millwork	38.0	39.2	38.4	38.6	-	1.5	1.8	1.3	1.9	
2434	Wood kitchen cabinets	37.7	37.5	37.0	37.6	-	1.1	1.3	1.3	1.7	
2435	Hardwood veneer and plywood	38.6	39.4	39.2	40.4	-	2.9	3.6	3.0	3.3	
2436	Softwood veneer and plywood	40.6	40.2	38.8	39.1	-	4.0	3.7	3.1	3.1	
244	Wood containers	37.2	37.8	38.5	38.8	-	1.6	2.1	2.1	2.1	
245	Wood buildings and mobile homes	37.9	38.2	37.0	36.3	-	1.8	2.2	1.8	1.5	
2451	Mobile homes	37.4	38.1	37.8	36.7	-	1.6	2.0	1.4	1.2	
249	Miscellaneous wood products	40.0	40.1	38.7	39.7	-	2.7	2.9	2.5	2.7	
25	FURNITURE AND FIXTURES	37.6	38.3	37.8	38.7	38.3	1.6	1.8	1.8	2.0	
251	Household furniture	36.9	37.7	37.4	38.1	-	1.3	1.6	1.5	1.7	
2511	Wood household furniture	37.3	38.1	37.9	38.6	-	1.4	1.6	1.7	1.9	
2512	Upholstered household furniture	35.8	36.6	36.6	37.1	-	.7	1.0	1.0	1.1	
2514	Metal household furniture	36.3	37.9	38.0	38.3	-	.9	2.7	2.1	2.0	
2515	Mattresses and bedsprings	37.7	37.9	36.6	37.7	-	2.4	2.5	1.8	2.1	
252	Office furniture	39.2	39.8	39.0	40.3	-	2.1	2.1	2.2	3.0	
253	Public building and related furniture	39.2	39.8	40.1	41.5	-	2.5	2.3	2.3	3.0	
254	Partitions and fixtures	38.7	39.2	38.0	38.9	-	2.7	2.7	2.4	2.6	
259	Miscellaneous furniture and fixtures	38.9	39.0	38.7	40.1	-	1.0	1.1	1.5	2.6	

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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
32	STONE, CLAY, AND GLASS PRODUCTS	\$310.54	\$316.06	\$342.31	\$344.40	\$339.15	\$7.63	\$7.69	\$8.39	\$8.40	\$8.50
321	Flat glass	413.69	424.87	442.57	442.15	-	9.78	9.95	10.69	10.68	-
322	Glass and glassware, pressed or blown	324.41	324.80	355.77	361.08	-	8.09	8.12	8.85	8.85	-
3221	Glass containers	356.87	355.06	376.00	383.87	-	8.62	8.66	9.33	9.34	-
3229	Pressed and blown glass, nec	275.84	281.78	327.62	328.86	-	7.24	7.30	8.17	8.14	-
323	Products of purchased glass	252.98	259.20	293.53	283.63	-	6.52	6.48	7.45	7.31	-
324	Cement, hydraulic	446.78	452.94	499.56	503.02	-	10.74	10.81	11.81	11.92	-
325	Structural clay products	246.58	251.25	274.97	276.34	-	6.18	6.25	6.84	6.84	-
326	Pottery and related products	243.51	245.22	269.12	265.65	-	6.26	6.32	6.99	6.90	-
327	Concrete, gypsum, and plaster products	323.60	333.25	351.95	355.32	-	7.65	7.75	8.34	8.42	-
3271	Concrete block and brick	292.22	306.05	321.20	324.11	-	6.78	6.94	7.54	7.52	-
3272	Concrete products, nec	288.54	291.45	313.11	316.92	-	6.87	6.89	7.35	7.51	-
3273	Ready-mixed concrete	353.22	365.51	381.20	386.05	-	8.41	8.54	9.23	9.28	-
329	Misc. nonmetallic mineral products	300.00	303.81	337.81	337.81	-	7.50	7.52	8.30	8.30	-
3291	Abrasive products	283.01	281.39	321.99	320.40	-	7.37	7.29	8.07	7.99	-
3292	Asbestos products	309.55	310.43	348.14	353.20	-	7.55	7.59	8.45	8.47	-
33	PRIMARY METAL INDUSTRIES	384.15	397.40	434.84	444.00	445.76	9.85	9.96	10.79	10.99	11.20
331	Blast furnace and basic steel products	440.42	456.30	498.88	520.59	-	11.59	11.67	12.41	12.95	-
3311	Blast furnaces and steel mills	454.66	472.25	514.00	538.65	-	12.06	12.14	12.85	13.50	-
3317	Steel pipe and tubes	372.64	378.65	421.48	419.00	-	9.41	9.49	10.28	10.17	-
332	Iron and steel foundries	313.50	328.32	358.42	355.67	-	8.08	8.27	9.12	9.05	-
3321	Gray iron foundries	311.50	329.51	367.46	356.18	-	8.07	8.30	9.35	9.18	-
3322	Malleable iron foundries	335.29	344.20	374.02	380.63	-	8.87	9.13	9.74	9.71	-
3325	Steel foundries, nec	319.16	324.37	337.79	353.57	-	8.08	8.15	8.53	8.73	-
333	Primary nonferrous metals	446.71	446.76	510.76	503.40	-	10.79	10.95	12.19	12.13	-
3334	Primary aluminum	476.10	491.63	542.41	540.89	-	11.50	11.65	13.07	12.94	-
335	Nonferrous rolling and drawing	363.86	374.67	402.41	407.27	-	8.94	9.05	9.65	9.72	-
3351	Copper rolling and drawing	302.94	313.34	355.66	371.52	-	7.65	7.68	8.57	8.64	-
3353	Aluminum sheet, plate, and foil	463.27	483.51	527.88	521.67	-	11.19	11.35	12.45	12.51	-
3357	Nonferrous wire drawing and insulating	332.11	346.08	363.26	367.98	-	8.18	8.40	8.86	8.91	-
336	Nonferrous foundries	289.25	296.86	315.59	316.81	-	7.36	7.44	8.01	7.96	-
3361	Aluminum foundries	295.89	305.92	324.72	322.78	-	7.51	7.61	8.20	8.11	-
34	FABRICATED METAL PRODUCTS	299.60	309.02	327.98	333.28	329.87	7.49	7.63	8.22	8.27	8.33
341	Metal cans and shipping containers	445.54	458.06	480.27	492.84	-	10.08	10.34	10.94	11.10	-
3411	Metal cans	464.29	477.12	500.59	515.25	-	10.41	10.65	11.30	11.45	-
342	Cutlery, hand tools, and hardware	264.41	280.35	313.24	311.24	-	6.85	7.17	7.93	7.82	-
3423, 5	Hand and edge tools, and hand saws and blades	267.65	274.63	292.47	297.65	-	6.97	7.06	7.48	7.46	-
3429	Hardware, nec	270.13	291.33	319.84	323.95	-	6.98	7.47	8.18	8.16	-
343	Plumbing and heating, except electric	254.87	266.23	280.28	281.78	-	6.62	6.74	7.28	7.30	-
3432	Plumbing fittings and brass goods	245.75	256.36	275.52	271.05	-	6.45	6.49	6.94	6.95	-
3433	Heating equipment, except electric	248.45	257.67	273.35	285.14	-	6.47	6.59	7.27	7.33	-
344	Fabricated structural metal products	295.07	302.40	320.00	327.24	-	7.34	7.43	8.00	8.10	-
3441	Fabricated structural metal	320.67	324.66	344.81	351.92	-	7.69	7.73	8.41	8.48	-
3442	Metal doors, sash, and trim	235.57	237.60	251.02	246.79	-	5.86	5.94	6.42	6.41	-
3443	Fabricated plate work (boiler shops)	324.82	337.83	351.48	364.56	-	8.04	8.18	8.70	8.87	-
3444	Sheet metal work	289.38	298.30	319.84	325.94	-	7.42	7.51	8.18	8.21	-
3446	Architectural metal work	279.16	285.53	295.66	304.76	-	6.91	7.05	7.41	7.60	-
345	Screw machine products, bolts, etc.	275.22	285.11	309.50	316.68	-	6.95	7.11	7.68	7.80	-
3451	Screw machine products	251.34	258.33	285.29	288.08	-	6.46	6.59	7.15	7.22	-
3452	Bolts, nuts, rivets, and washers	298.69	311.25	334.56	344.43	-	7.43	7.61	8.20	8.36	-
346	Metal forgings and stampings	337.85	352.63	378.65	384.75	-	8.51	8.75	9.49	9.50	-
3462	Iron and steel forgings	351.59	367.54	393.57	409.45	-	9.18	9.40	10.04	10.16	-
3465	Automotive stampings	421.20	435.74	472.98	477.15	-	10.40	10.68	11.48	11.47	-
3469	Metal stampings, nec	264.27	272.30	286.94	291.73	-	6.64	6.74	7.32	7.33	-
347	Metal services, nec	247.46	249.69	262.35	261.20	-	6.08	6.09	6.51	6.53	-
3471	Plating and polishing	235.03	237.41	254.87	255.57	-	5.95	5.98	6.42	6.47	-
3479	Metal coating and allied services	274.96	277.20	279.39	272.65	-	6.35	6.30	6.70	6.65	-
348	Ordnance and accessories, nec	305.42	315.29	315.19	329.62	-	7.56	7.69	8.02	8.22	-
3483	Ammunition, exc. for small arms, nec	274.22	279.10	280.48	290.16	-	6.89	6.96	7.42	7.44	-
349	Misc. fabricated metal products	282.03	287.36	301.47	306.54	-	7.14	7.22	7.73	7.80	-
3494	Valves and pipe fittings	299.41	306.06	320.93	326.63	-	7.58	7.69	8.25	8.29	-
3496	Misc. fabricated wire products	248.35	255.27	264.10	264.71	-	6.24	6.35	6.72	6.77	-
35	MACHINERY, EXCEPT ELECTRICAL	323.21	336.61	357.54	360.20	359.10	8.02	8.21	8.85	8.85	9.00
351	Engines and turbines	383.73	393.00	448.67	439.37	-	9.89	10.00	10.97	11.18	-
3511	Turbines and turbine generator sets	384.08	383.76	390.39	403.51	-	9.46	9.36	10.01	10.32	-
3519	Internal combustion engines, nec	383.53	395.90	467.71	450.38	-	10.04	10.23	11.27	11.46	-
352	Farm and garden machinery	336.96	380.14	395.75	380.15	-	8.64	9.34	9.82	9.48	-
3523	Farm machinery and equipment	348.08	395.93	408.65	396.15	-	8.79	9.61	10.09	9.83	-
353	Construction and related machinery	349.80	359.38	393.01	396.62	-	8.68	8.83	9.68	9.65	-

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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
32	STONE, CLAY, AND GLASS PRODUCTS	40.7	41.1	40.8	41.0	39.9	3.9	4.1	4.1	4.0	-
321	Flat glass	42.3	42.7	41.4	41.4	-	3.8	4.6	4.0	3.9	-
322	Glass and glassware, pressed or blown	40.1	40.0	40.2	40.8	-	3.9	3.9	4.3	4.3	-
3221	Glass containers	41.4	41.0	40.3	41.1	-	4.6	4.5	4.7	4.8	-
3229	Pressed and blown glass, nec	38.1	38.6	40.1	40.4	-	2.8	3.0	3.7	3.6	-
323	Products of purchased glass	38.8	40.0	39.4	38.8	-	2.6	3.0	3.1	3.1	-
324	Cement, hydraulic	41.6	41.9	42.3	42.2	-	3.0	3.3	3.3	3.3	-
325	Structural clay products	39.9	40.2	40.2	40.4	-	2.9	3.1	3.1	3.2	-
326	Pottery and related products	38.9	38.8	38.5	38.5	-	2.5	2.6	1.6	1.7	-
327	Concrete, gypsum, and plaster products	42.3	43.0	42.2	42.2	-	5.4	5.8	5.4	5.3	-
3271	Concrete block and brick	43.1	44.1	42.6	43.1	-	4.6	5.5	5.1	4.8	-
3272	Concrete products, nec	42.0	42.3	42.6	42.2	-	4.7	5.0	4.8	4.8	-
3273	Ready-mixed concrete	42.0	42.8	41.3	41.6	-	5.8	6.1	5.6	5.5	-
329	Misc. nonmetallic mineral products	40.0	40.4	40.7	40.7	-	2.9	3.0	3.6	3.6	-
3291	Abrasive products	38.4	38.6	39.9	40.1	-	2.1	1.8	2.7	2.8	-
3292	Asbestos products	41.0	40.9	41.2	41.7	-	2.3	2.5	3.4	3.0	-
33	PRIMARY METAL INDUSTRIES	39.0	39.9	40.3	40.4	39.8	2.3	2.6	3.1	3.1	-
331	Blast furnace and basic steel products	38.0	39.1	40.2	40.2	-	1.6	2.0	2.8	2.9	-
3312	Blast furnaces and steel mills	37.7	38.9	40.0	39.9	-	1.5	1.8	2.7	2.8	-
3317	Steel pipe and tubes	39.6	39.9	41.0	41.2	-	2.6	3.2	4.3	3.5	-
332	Iron and steel foundries	38.8	39.7	39.3	39.3	-	2.3	2.6	2.8	2.9	-
3321	Gray iron foundries	38.6	39.7	39.3	38.8	-	2.1	2.4	3.2	2.9	-
3322	Malleable iron foundries	37.8	37.7	38.4	39.2	-	1.7	1.7	2.4	2.4	-
3325	Steel foundries, nec	39.5	39.8	39.6	40.5	-	2.8	3.0	2.2	3.2	-
333	Primary nonferrous metals	41.4	40.8	41.9	41.5	-	3.7	3.4	3.5	3.2	-
3334	Primary aluminum	41.4	42.2	41.5	41.8	-	3.9	3.8	3.8	3.7	-
335	Nonferrous rolling and drawing	40.7	41.4	41.7	41.9	-	3.5	3.9	4.3	4.4	-
3351	Copper rolling and drawing	39.6	40.8	41.5	43.0	-	2.5	3.6	4.5	4.9	-
3353	Aluminum sheet, plate and foil	41.4	42.6	42.4	41.7	-	5.5	5.8	5.5	5.2	-
3357	Nonferrous wire drawing and insulating	40.6	41.2	41.0	41.3	-	3.4	3.6	4.4	4.5	-
336	Nonferrous foundries	39.3	39.9	39.4	39.8	-	2.0	2.3	2.3	2.3	-
3361	Aluminum foundries	39.4	40.2	39.6	39.8	-	2.1	2.1	2.8	2.5	-
34	FABRICATED METAL PRODUCTS	40.0	40.5	39.9	40.3	39.6	2.6	2.9	2.7	2.9	-
341	Metal cans and shipping containers	44.2	44.3	43.9	44.4	-	5.1	5.4	4.7	5.4	-
3411	Metal cans	44.6	44.8	44.3	45.0	-	5.1	5.4	4.6	5.4	-
342	Cutlery, hand tools, and hardware	38.6	39.1	39.5	39.8	-	1.6	1.8	2.0	2.4	-
3423, 5	Hand and edge tools, and hand saws and blades	38.4	38.9	39.1	39.9	-	1.5	1.5	2.2	2.4	-
3429	Hardware, nec	38.7	39.0	39.1	39.7	-	1.5	1.9	2.0	2.4	-
343	Plumbing and heating, except electric	38.5	39.5	38.5	38.6	-	1.8	2.1	1.6	1.7	-
3432	Plumbing fittings and brass goods	38.1	39.5	39.7	39.0	-	1.3	1.5	2.2	1.9	-
3433	Heating equipment, except electric	38.4	39.1	37.6	38.9	-	2.0	2.5	1.3	1.7	-
344	Fabricated structural metal products	40.2	40.7	40.0	40.4	-	2.8	3.0	2.6	2.9	-
3441	Fabricated structural metal	41.7	42.0	41.0	41.5	-	3.4	3.6	3.1	3.5	-
3442	Metal doors, sash, and trim	40.2	40.0	39.1	38.5	-	2.5	2.6	2.2	2.0	-
3443	Fabricated plate work (boiler shops)	40.4	41.3	40.4	41.1	-	2.8	3.0	2.9	3.3	-
3444	Sheet metal work	39.0	39.8	39.1	39.7	-	2.5	2.9	2.3	2.5	-
3446	Architectural metal work	40.4	40.5	39.9	40.1	-	3.1	3.1	1.8	2.2	-
345	Screw machine products, bolts, etc.	39.6	40.1	40.3	40.6	-	2.7	3.0	2.6	3.0	-
3451	Screw machine products	39.0	39.2	39.9	39.9	-	2.8	2.9	2.6	2.7	-
3452	Bolts, nuts, rivets, and washers	40.2	40.9	40.8	41.2	-	2.7	3.0	2.7	3.4	-
346	Metal forgings and stampings	39.7	40.3	39.9	40.5	-	2.7	3.3	3.1	3.2	-
3462	Iron and steel forgings	38.3	39.1	39.2	40.3	-	2.8	3.1	2.8	3.2	-
3465	Automotive stampings	40.5	40.8	41.2	41.6	-	2.9	3.9	4.1	3.9	-
3469	Metal stampings, nec	39.8	40.4	39.2	39.8	-	2.4	2.7	2.3	2.5	-
347	Metal services, nec	40.7	41.0	40.3	40.0	-	2.3	2.6	2.9	2.7	-
3471	Plating and polishing	39.5	39.7	39.7	39.5	-	3.0	3.3	2.9	2.8	-
3479	Metal coating and allied services	43.3	44.0	41.7	41.0	-	.7	1.0	2.8	2.6	-
348	Ordnance and accessories, nec	40.4	41.0	39.3	40.1	-	2.5	2.8	2.0	2.5	-
3483	Ammunition, exc. for small arms, nec	39.8	40.1	37.8	39.0	-	1.9	2.1	1.1	1.4	-
349	Misc. fabricated metal products	39.5	39.8	39.0	39.3	-	2.1	2.4	2.4	2.8	-
3494	Valves and pipe fittings	39.5	39.8	38.9	39.4	-	2.3	2.7	2.7	2.8	-
3496	Misc. fabricated wire products	39.8	40.2	39.3	39.1	-	2.1	2.5	2.4	2.6	-
35	MACHINERY, EXCEPT ELECTRICAL	40.3	41.0	40.4	40.7	39.9	3.0	3.3	3.1	3.2	-
351	Engines and turbines	38.8	39.3	40.9	39.3	-	2.0	2.0	3.0	3.0	-
3511	Turbines and turbine generator sets	40.6	41.0	39.0	39.1	-	4.4	3.9	3.1	3.4	-
3519	Internal combustion engines, nec	38.2	38.7	41.5	39.3	-	1.3	1.4	3.0	2.9	-
352	Farm and garden machinery	39.0	40.7	40.3	40.1	-	2.3	4.0	3.3	3.0	-
3523	Farm machinery and equipment	39.6	41.2	40.5	40.3	-	2.6	4.4	3.7	3.4	-
353	Construction and related machinery	40.3	40.7	40.6	41.1	-	2.8	2.9	3.2	3.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	MACHINERY, EXCEPT ELECTRICAL—Continued										
3531	Construction machinery	\$366.15	\$376.94	\$430.34	\$435.49	-	\$9.56	\$9.74	\$10.95	\$10.86	-
3532	Mining machinery	341.48	349.00	374.23	371.72	-	8.58	8.56	9.67	9.63	-
3533	Oil field machinery	363.38	370.05	401.75	407.64	-	8.24	8.26	9.11	9.14	-
3535	Conveyers and conveying equipment	321.58	320.39	340.95	352.04	-	7.96	7.95	8.72	8.99	-
3537	Industrial trucks and tractors	280.87	303.62	321.09	311.09	-	7.53	7.99	8.34	8.23	-
354	Metalworking machinery	338.24	348.19	365.72	370.12	-	8.17	8.31	8.92	8.94	-
3541	Machine tools, metal cutting types	351.95	364.63	377.98	377.98	-	8.34	8.46	9.13	9.13	-
3542	Machine tools, metal forming types	338.12	346.46	348.55	350.81	-	8.56	8.64	9.27	9.33	-
3544	Special dies, tools, jigs, and fixtures	365.45	375.66	394.07	398.14	-	8.66	8.86	9.45	9.39	-
3545	Machine tool accessories	302.19	308.21	328.86	335.38	-	7.48	7.61	8.08	8.22	-
3546	Power driven hand tools	259.94	263.91	282.63	289.67	-	6.40	6.39	7.21	7.26	-
355	Special industry machinery	306.68	315.70	332.49	337.00	-	7.61	7.70	8.23	8.28	-
3551	Food products machinery	323.57	330.00	349.80	351.95	-	8.13	8.25	8.68	8.69	-
3552	Textile machinery	241.38	250.92	260.04	268.11	-	6.08	6.15	6.55	6.62	-
3555	Printing trades machinery	324.59	330.96	353.64	355.31	-	7.71	7.98	8.44	8.48	-
356	General industrial machinery	323.21	333.74	351.60	353.36	-	8.06	8.16	8.79	8.79	-
3561	Pumps and pumping equipment	322.80	328.43	336.80	350.84	-	8.07	8.17	8.91	8.95	-
3562	Ball and roller bearings	321.96	334.53	364.27	359.21	-	7.93	8.10	8.82	8.74	-
3563	Air and gas compressors	350.06	378.01	385.56	396.35	-	8.58	8.71	9.18	9.37	-
3564	Blowers and fans	300.29	314.42	316.40	319.98	-	7.47	7.54	7.99	8.06	-
3566	Speed changers, drives, and gears	366.71	372.94	395.20	404.17	-	9.01	9.03	9.71	9.81	-
3568	Power transmission equipment, nec	307.71	312.04	347.36	338.25	-	7.79	7.86	8.31	8.25	-
357	Office and computing machines	279.45	290.37	300.17	309.26	-	6.75	6.98	7.43	7.47	-
3573	Electronic computing equipment	280.54	289.53	300.37	312.25	-	6.76	6.91	7.38	7.47	-
358	Refrigeration and service machinery	285.32	298.69	318.79	322.32	-	7.26	7.43	8.03	8.16	-
3585	Refrigeration and heating equipment	289.59	307.80	331.27	333.60	-	7.35	7.60	8.22	8.34	-
359	Misc. machinery, except electrical	314.79	327.61	344.21	347.13	-	7.85	8.01	8.52	8.55	-
3592	Carburetors, pistons, rings, valves	366.88	399.23	398.40	399.60	-	9.48	9.62	10.01	9.99	-
3599	Machinery, except electrical, nec	307.44	316.20	335.34	338.22	-	7.61	7.75	8.28	8.31	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	274.79	282.66	305.29	309.62	\$310.07	7.01	7.12	7.69	7.76	\$7.83
361	Electric distributing equipment	274.77	282.03	304.47	303.67	-	7.10	7.14	7.65	7.63	-
3612	Transformers	275.22	278.40	306.75	311.83	-	6.95	6.96	7.50	7.46	-
3613	Switchgear and switchboard apparatus	274.70	284.26	302.25	297.59	-	7.21	7.27	7.77	7.77	-
362	Electrical industrial apparatus	284.70	291.80	318.71	319.18	-	7.30	7.35	7.85	7.92	-
3621	Motors and generators	288.41	295.87	319.46	316.74	-	7.32	7.36	7.83	7.84	-
3622	Industrial controls	280.96	283.53	303.76	310.08	-	7.26	7.27	7.69	7.79	-
363	Household appliances	271.10	278.71	301.09	304.96	-	7.06	7.11	7.74	7.74	-
3632	Household refrigerators and freezers	332.90	334.10	362.07	391.78	-	8.08	8.07	8.94	9.24	-
3633	Household laundry equipment	327.02	336.65	352.69	356.81	-	8.45	8.61	9.09	9.22	-
3634	Electric housewares and fans	226.97	229.13	228.98	236.16	-	5.88	5.86	6.01	6.04	-
364	Electric lighting and wiring equipment	250.78	257.28	283.77	280.45	-	6.48	6.58	7.13	7.10	-
3641	Electric lamps	291.06	290.03	329.64	335.37	-	7.35	7.38	8.04	8.14	-
3643	Current-carrying wiring devices	236.07	239.51	272.97	269.33	-	6.10	6.11	6.74	6.75	-
3644	Noncurrent-carrying wiring devices	263.74	272.34	295.20	284.36	-	6.78	6.86	7.38	7.31	-
3645	Residential lighting fixtures	187.82	191.29	208.88	212.57	-	5.09	5.17	5.60	5.55	-
365	Radio and TV receiving equipment	253.36	259.38	288.46	285.98	-	6.53	6.60	7.34	7.24	-
3651	Radio and TV receiving sets	256.32	267.63	295.62	290.43	-	6.71	6.81	7.58	7.39	-
366	Communication equipment	315.57	329.27	351.08	368.74	-	7.85	8.11	8.69	9.06	-
3661	Telephone and telegraph apparatus	321.20	342.15	358.97	399.36	-	8.01	8.49	8.82	9.60	-
3662	Radio and TV communication equipment	311.92	319.87	345.26	349.27	-	7.74	7.84	8.61	8.71	-
367	Electronic components and accessories	240.07	243.66	258.02	263.59	-	6.14	6.20	6.65	6.69	-
3671-3	Electronic tubes	309.61	320.02	332.29	339.73	-	7.57	7.73	8.37	8.43	-
3674	Semiconductors and related devices	272.35	276.19	287.25	298.72	-	6.93	7.01	7.50	7.64	-
3679	Electronic components, nec	225.01	228.31	246.64	248.13	-	5.74	5.78	6.26	6.25	-
369	Misc. electrical equipment and supplies	316.79	331.68	355.11	358.16	-	8.02	8.21	8.90	8.80	-
3691	Storage batteries	320.39	332.48	335.29	359.77	-	7.95	8.07	8.51	8.69	-
3694	Engine electrical equipment	346.24	363.65	397.37	391.02	-	8.97	9.16	10.06	9.80	-
37	TRANSPORTATION EQUIPMENT	373.20	388.28	421.25	417.15	416.31	9.33	9.54	10.35	10.30	10.46
371	Motor vehicles and equipment	381.62	405.22	455.26	442.54	-	9.76	10.08	11.05	10.82	-
3711	Motor vehicles and car bodies	410.84	442.66	517.07	506.75	-	10.84	11.15	12.37	12.27	-
3713	Truck and bus bodies	312.91	322.36	349.92	353.16	-	8.17	8.12	8.77	8.72	-
3714	Motor vehicle parts and accessories	377.74	392.50	432.41	421.89	-	9.35	9.62	10.47	10.29	-
3715	Truck trailers	255.30	258.31	273.40	288.40	-	6.90	6.87	7.47	7.53	-
372	Aircraft and parts	392.29	394.90	416.96	424.04	-	9.43	9.47	10.27	10.47	-
3721	Aircraft	408.10	409.76	435.34	435.01	-	9.81	9.85	10.67	10.93	-
3724	Aircraft engines and engine parts	395.38	399.78	411.34	426.37	-	9.62	9.61	10.44	10.58	-
3728	Aircraft equipment, nec	359.12	359.94	383.36	397.00	-	8.51	8.57	9.26	9.43	-
373	Ship and boat building and repairing	330.04	344.83	356.98	362.79	-	8.21	8.39	8.88	8.98	-
3731	Shipbuilding and repairing	343.71	359.68	375.47	-	-	8.55	8.73	9.34	-	-
3732	Boat building and repairing	274.00	284.82	299.83	302.65	-	6.85	7.05	7.44	7.51	-
374	Railroad equipment	393.12	405.97	-	-	-	10.08	10.33	-	-	-

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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	MACHINERY, EXCEPT ELECTRICAL—Continued										
3531	Construction machinery	38.3	38.7	39.3	40.1	-	1.1	1.1	1.6	2.1	-
3532	Mining machinery	39.8	40.3	38.7	38.6	-	2.2	2.3	2.1	1.6	-
3533	Oil field machinery	44.1	44.8	44.1	44.6	-	5.5	5.7	6.0	6.1	-
3535	Conveyers and conveying equipment	40.4	40.3	39.1	39.6	-	2.8	3.0	3.0	4.1	-
3537	Industrial trucks and tractors	37.3	38.0	38.5	37.8	-	2.0	2.1	2.6	2.2	-
354	Metalworking machinery	41.4	41.9	41.0	41.4	-	3.9	4.3	3.7	4.0	-
3541	Machine tools, metal cutting types	42.2	43.1	41.4	41.4	-	4.8	5.3	4.1	4.0	-
3542	Machine tools, metal forming types	39.5	40.1	37.6	37.6	-	3.6	3.9	2.0	2.4	-
3544	Special dies, tools, jigs, and fixtures	42.2	42.4	41.7	42.4	-	4.4	5.0	4.6	4.9	-
3545	Machine tool accessories	40.4	40.5	40.7	40.8	-	3.3	3.3	3.0	3.1	-
3546	Power driven hand tools	40.6	41.3	39.2	39.9	-	2.3	2.5	2.0	2.7	-
355	Special industry machinery	40.3	41.0	40.4	40.7	-	2.8	3.2	2.7	2.8	-
3551	Food products machinery	39.8	40.0	40.3	40.5	-	2.3	2.5	1.8	2.2	-
3552	Textile machinery	39.7	40.8	39.7	40.5	-	1.9	2.3	1.8	2.1	-
3555	Printing trades machinery	42.1	42.0	41.9	41.9	-	4.2	3.9	3.7	3.5	-
356	General industrial machinery	40.1	40.9	40.0	40.2	-	3.0	3.4	2.9	3.0	-
3561	Pumps and pumping equipment	40.0	40.2	37.8	39.2	-	2.6	2.4	2.2	2.7	-
3562	Ball and roller bearings	40.6	41.3	41.3	41.1	-	3.1	3.7	3.5	3.3	-
3563	Air and gas compressors	40.8	43.4	42.0	42.3	-	3.7	4.8	2.9	3.6	-
3564	Blowers and fans	40.2	41.7	39.6	39.7	-	3.6	4.4	3.0	3.2	-
3566	Speed changers, drives, and gears	40.7	41.3	40.7	41.2	-	2.6	3.0	3.7	3.9	-
3568	Power transmission equipment, nec	39.5	39.7	41.8	41.0	-	2.9	2.9	3.5	3.4	-
357	Office and computing machines	41.4	41.6	40.4	41.4	-	2.7	2.9	2.2	2.6	-
3573	Electronic computing equipment	41.5	41.9	40.7	41.8	-	2.6	2.8	2.4	2.9	-
358	Refrigeration and service machinery	39.3	40.2	39.7	39.5	-	2.1	2.6	2.4	2.3	-
3585	Refrigeration and heating equipment	39.4	40.5	40.3	40.0	-	2.1	2.6	2.6	2.3	-
359	Misc. machinery, except electrical	40.1	40.9	40.4	40.6	-	3.5	3.7	3.6	3.7	-
3592	Carburetors, pistons, rings, valves	38.7	41.5	39.8	40.0	-	2.8	3.4	3.0	2.6	-
3599	Machinery, except electrical, nec	40.4	40.8	40.5	40.7	-	3.6	3.8	3.7	3.9	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	39.2	39.7	39.7	39.9	39.6	2.0	2.3	2.1	2.3	-
361	Electric distributing equipment	38.7	39.5	39.8	39.8	-	2.1	2.4	2.7	3.0	-
3612	Transformers	39.6	40.0	40.9	41.8	-	2.2	2.4	3.5	3.7	-
3613	Switchgear and switchboard apparatus	38.1	39.1	38.9	38.3	-	2.0	2.4	2.2	2.4	-
362	Electrical industrial apparatus	39.0	39.7	40.6	40.3	-	2.1	2.3	2.8	2.7	-
3621	Motors and generators	39.4	40.2	40.8	40.4	-	2.3	2.6	2.9	2.5	-
3622	Industrial controls	38.7	39.0	39.5	39.3	-	1.6	1.7	2.4	2.5	-
363	Household appliances	38.4	39.2	38.9	39.4	-	2.0	2.2	1.8	2.0	-
3632	Household refrigerators and freezers	41.2	41.4	40.5	42.4	-	2.2	1.9	2.7	2.1	-
3633	Household laundry equipment	38.7	39.1	38.8	38.7	-	.5	1.2	1.1	1.3	-
3634	Electric housewares and fans	38.6	39.1	38.1	39.1	-	2.5	2.4	1.5	2.2	-
364	Electric lighting and wiring equipment	38.7	39.1	39.8	39.5	-	1.7	2.0	2.0	2.1	-
3641	Electric lamps	39.6	39.3	41.0	41.2	-	1.4	1.6	1.6	2.0	-
3643	Current-carrying wiring devices	38.7	39.2	40.5	39.9	-	1.9	1.9	2.6	2.5	-
3644	Noncurrent-carrying wiring devices	38.9	39.7	40.0	38.9	-	1.5	2.2	2.1	2.4	-
3645	Residential lighting fixtures	36.9	37.0	37.3	38.3	-	.7	1.1	.9	1.2	-
365	Radio and TV receiving equipment	38.8	39.3	39.3	39.5	-	1.9	1.8	1.7	1.6	-
3651	Radio and TV receiving sets	38.2	39.3	39.0	39.3	-	1.6	1.7	1.8	1.5	-
366	Communication equipment	40.2	40.6	40.4	40.7	-	2.1	2.4	2.1	2.3	-
3661	Telephone and telegraph apparatus	40.1	40.3	40.7	41.6	-	1.8	2.1	2.2	2.6	-
3662	Radio and TV communication equipment	40.3	40.8	40.1	40.1	-	2.3	2.6	2.0	2.2	-
367	Electronic components and accessories	39.1	39.3	38.8	39.4	-	2.2	2.4	2.0	2.2	-
3671-3	Electronic tubes	40.9	41.4	39.7	40.3	-	2.0	2.4	1.7	1.7	-
3674	Semiconductors and related devices	39.3	39.4	38.3	39.1	-	2.8	2.9	1.7	2.1	-
3679	Electronic components, nec	39.2	39.5	39.4	39.7	-	2.2	2.4	2.4	2.3	-
369	Misc. electrical equipment and supplies	39.5	40.4	39.9	40.7	-	1.7	2.5	2.1	2.3	-
3691	Storage batteries	40.3	41.2	39.4	41.4	-	2.0	3.0	2.1	2.4	-
3694	Engine electrical equipment	38.6	39.7	39.5	39.9	-	1.2	2.2	2.3	2.1	-
37	TRANSPORTATION EQUIPMENT	40.0	40.7	40.7	40.5	39.8	3.0	3.4	3.4	3.3	-
371	Motor vehicles and equipment	39.1	40.2	41.2	40.9	-	2.3	2.7	3.7	3.2	-
3711	Motor vehicles and car bodies	37.9	39.7	41.8	41.3	-	2.4	2.6	4.1	3.4	-
3713	Truck and bus bodies	38.3	39.7	39.9	40.5	-	1.9	2.0	2.9	2.9	-
3714	Motor vehicle parts and accessories	40.4	40.8	41.3	41.0	-	2.5	2.9	3.6	3.3	-
3715	Truck trailers	37.0	37.6	36.6	38.3	-	1.1	1.2	1.4	2.0	-
372	Aircraft and parts	41.6	41.7	40.6	40.5	-	4.0	4.3	3.3	3.5	-
3721	Aircraft	41.6	41.6	40.8	39.8	-	3.2	3.7	2.9	3.2	-
3724	Aircraft engines and engine parts	41.1	41.6	39.4	40.3	-	5.0	5.0	3.2	3.3	-
3728	Aircraft equipment, nec	42.2	42.0	41.4	42.1	-	4.6	4.9	4.2	4.4	-
373	Ship and boat building and repairing	40.2	41.1	40.2	40.4	-	3.3	4.0	3.6	3.9	-
3731	Ship building and repairing	40.2	41.2	40.2	-	-	3.2	4.0	3.6	-	-
3732	Boat building and repairing	40.0	40.4	40.3	40.3	-	3.4	3.8	3.7	3.6	-
374	Railroad equipment	39.0	39.3	-	-	-	2.6	2.9	-	-	-

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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	TRANSPORTATION EQUIPMENT—Continued										
376	Guided missiles, space vehicles, parts	\$375.72	\$384.48	\$406.22	\$412.68	-	\$9.30	\$9.47	\$10.03	\$10.09	-
3761	Guided missiles and space vehicles	380.42	389.91	415.67	419.99	-	9.37	9.58	10.34	10.37	-
379	Miscellaneous transportation equipment	277.61	285.73	297.79	308.33	-	7.10	7.09	7.52	7.67	-
3792	Travel trailers and campers	220.82	233.31	264.32	266.66	-	5.92	6.06	6.76	6.82	-
38	INSTRUMENTS AND RELATED PRODUCTS	273.71	277.09	296.96	300.70	\$300.09	6.86	6.91	7.44	7.48	\$7.54
381	Engineering and scientific instruments	295.40	297.75	322.29	318.35	-	7.17	7.28	7.88	7.88	-
382	Measuring and controlling devices	280.67	281.76	291.27	300.03	-	6.93	6.94	7.30	7.39	-
3822	Environmental controls	246.57	246.87	269.12	274.48	-	6.29	6.33	6.99	7.02	-
3823	Process control instruments	285.44	296.87	315.13	307.75	-	6.78	6.92	7.38	7.38	-
3825	Instruments to measure electricity	303.69	301.25	292.82	312.12	-	7.48	7.42	7.47	7.65	-
383	Optical instruments and lenses	286.60	305.47	322.40	332.37	-	7.33	7.58	8.06	8.33	-
384	Medical instruments and supplies	226.78	232.85	252.31	257.15	-	5.86	5.94	6.42	6.51	-
3841	Surgical and medical instruments	223.97	228.28	252.41	258.96	-	5.67	5.75	6.39	6.41	-
3842	Surgical appliances and supplies	230.12	238.46	253.88	256.19	-	6.04	6.13	6.46	6.62	-
385	Ophthalmic goods	207.76	211.72	222.55	223.91	-	5.30	5.36	5.62	5.64	-
386	Photographic equipment and supplies	359.38	358.58	392.85	398.78	-	8.83	8.92	9.70	9.75	-
387	Watches, clocks, and watchcases	201.98	205.28	221.56	221.56	-	5.26	5.25	5.80	5.74	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	210.98	216.22	230.23	231.64	234.14	5.48	5.53	5.98	5.97	6.05
391	Jewelry, silverware, and plated ware	217.93	223.69	240.41	246.91	-	5.75	5.81	6.36	6.43	-
3911	Jewelry, precious metal	209.96	217.91	234.33	247.03	-	5.69	5.78	6.42	6.57	-
393	Musical instruments	211.80	214.66	223.67	232.05	-	5.53	5.49	5.84	5.95	-
394	Toys and sporting goods	193.89	199.25	215.90	215.99	-	5.01	5.07	5.55	5.51	-
3942, 4	Dolls, games, toys, and children's vehicles	182.20	186.44	202.16	207.09	-	4.82	4.83	5.32	5.31	-
3949	Sporting and athletic goods, nec	206.71	214.27	232.40	226.73	-	5.22	5.33	5.81	5.74	-
395	Pens, pencils, office and art supplies	219.69	228.02	244.37	247.63	-	5.59	5.63	6.14	6.16	-
396	Costume jewelry and notions	181.45	182.96	193.26	194.39	-	4.75	4.74	5.14	5.17	-
3961	Costume jewelry	168.14	169.27	177.14	176.78	-	4.52	4.49	4.84	4.87	-
399	Miscellaneous manufactures	232.54	238.07	248.95	250.39	-	6.04	6.12	6.50	6.47	-
3993	Signs and advertising displays	244.22	255.45	263.96	267.03	-	6.41	6.55	6.91	6.90	-
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	278.76	279.68	295.81	300.00	299.44	6.90	6.94	7.47	7.50	7.60
201	Meat products	276.44	283.93	290.19	297.70	-	7.07	7.17	7.46	7.48	-
2011	Meat packing plants	350.02	364.04	357.19	369.41	-	8.60	8.73	9.02	9.01	-
2013	Sausages and other prepared meats	325.96	324.62	349.27	355.37	-	8.19	8.26	8.82	8.84	-
2016	Poultry dressing plants	166.34	169.46	184.30	186.52	-	4.52	4.58	4.85	4.87	-
202	Dairy products	289.80	294.84	312.33	310.84	-	6.90	7.02	7.49	7.49	-
2022	Cheese, natural and processed	270.25	271.20	286.72	283.06	-	6.64	6.78	7.15	7.13	-
2026	Fluid milk	303.74	311.18	327.05	322.04	-	7.13	7.22	7.75	7.76	-
203	Preserved fruits and vegetables	256.05	246.00	249.38	273.82	-	6.23	6.15	6.58	6.88	-
2032	Canned specialties	275.58	296.96	292.73	303.16	-	7.03	6.89	7.21	7.27	-
2033	Canned fruits and vegetables	272.61	253.89	252.00	291.60	-	6.46	6.30	6.72	7.20	-
2037	Frozen fruits and vegetables	228.05	223.29	229.85	243.75	-	5.73	5.74	6.28	6.25	-
204	Grain mill products	334.80	342.11	351.85	357.38	-	7.75	7.74	8.24	8.35	-
2041	Flour and other grain mill products	365.44	373.03	372.00	383.04	-	7.91	7.92	8.23	8.40	-
2048	Prepared feeds, nec	268.55	282.83	285.78	284.57	-	6.26	6.37	6.60	6.68	-
205	Bakery products	280.62	287.12	304.18	301.37	-	7.27	7.40	7.86	7.91	-
2051	Bread, cake, and related products	282.65	284.97	308.00	306.71	-	7.38	7.46	8.00	8.05	-
2052	Cookies and crackers	274.53	291.28	291.65	287.23	-	6.95	7.21	7.44	7.48	-
206	Sugar and confectionery products	266.00	267.04	293.33	289.35	-	6.65	6.61	7.37	7.27	-
2061-3	Cane and beet sugar	349.29	350.92	379.73	367.65	-	8.18	8.18	8.79	8.55	-
2065	Confectionery products	227.75	226.73	247.54	243.05	-	5.81	5.74	6.48	6.43	-
207	Fats and oils	311.32	313.34	335.75	333.90	-	7.24	7.27	7.90	7.95	-
208	Beverages	346.08	335.78	375.36	369.00	-	8.24	8.23	8.98	9.00	-
2082	Malt beverages	488.81	476.44	539.97	521.90	-	11.16	11.08	12.30	12.28	-
2086	Bottled and canned soft drinks	262.09	253.53	284.13	278.66	-	6.27	6.26	6.83	6.83	-
209	Misc. foods and kindred products	226.94	234.78	248.06	247.65	-	5.91	6.02	6.46	6.50	-
21	TOBACCO MANUFACTURES	288.56	287.65	364.00	349.52	344.61	7.82	7.53	9.43	8.63	8.53
211	Cigarettes	357.20	358.88	423.84	443.36	-	9.50	9.57	10.84	10.84	-
22	TEXTILE MILL PRODUCTS	203.84	208.95	218.75	225.04	219.04	5.20	5.25	5.51	5.64	5.66
221	Weaving mills, cotton	216.26	222.49	228.50	240.38	-	5.42	5.48	5.67	5.95	-
222	Weaving mills, synthetics	221.13	222.49	241.86	248.59	-	5.46	5.48	5.80	5.99	-
223	Weaving and finishing mills, wool	210.94	214.27	228.90	243.28	-	5.30	5.33	5.68	5.82	-
224	Narrow fabric mills	183.74	189.34	196.28	202.18	-	4.64	4.71	5.02	5.08	-
225	Knitting mills	183.82	183.60	193.54	199.02	-	4.85	4.87	5.12	5.21	-

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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	40.4	40.6	40.5	40.9	-	3.4	3.6	3.5	3.4	-
3761	Guided missiles and space vehicles	40.6	40.7	40.2	40.5	-	3.3	3.3	3.5	3.3	-
379	Miscellaneous transportation equipment	39.1	40.3	39.6	40.2	-	2.0	2.5	1.9	2.3	-
3792	Travel trailers and campers	37.3	38.5	39.1	39.1	-	1.7	1.9	2.1	2.1	-
38	INSTRUMENTS AND RELATED PRODUCTS	39.9	40.1	39.9	40.2	39.8	2.2	2.4	2.0	2.2	-
381	Engineering and scientific instruments	41.2	40.9	40.9	40.4	-	3.1	2.7	3.0	2.7	-
382	Measuring and controlling devices	40.5	40.6	39.9	40.6	-	2.1	2.3	1.9	2.1	-
3822	Environmental controls	39.2	39.0	38.5	39.1	-	1.7	1.9	1.6	1.7	-
3823	Process control instruments	42.1	42.9	42.7	41.7	-	3.3	3.6	2.7	2.6	-
3825	Instruments to measure electricity	40.6	40.6	39.2	40.8	-	1.9	1.9	1.5	2.0	-
383	Optical instruments and lenses	39.1	40.3	40.0	39.9	-	1.8	3.2	2.8	2.6	-
384	Medical instruments and supplies	38.7	39.2	39.3	39.5	-	1.9	2.1	2.0	2.2	-
3841	Surgical and medical instruments	39.5	39.7	39.5	40.4	-	2.0	1.9	2.0	2.4	-
3842	Surgical appliances and supplies	38.1	38.9	39.3	38.7	-	2.1	2.7	2.1	2.2	-
385	Ophthalmic goods	39.2	39.5	39.6	39.7	-	1.6	1.8	1.2	1.3	-
386	Photographic equipment and supplies	40.7	40.2	40.5	40.9	-	2.6	3.0	2.1	2.5	-
387	Watches, clocks, and watchcases	38.4	39.1	38.2	38.6	-	1.1	1.3	1.3	1.9	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	38.5	39.1	38.5	38.8	38.7	1.7	2.0	1.5	2.0	-
391	Jewelry, silverware, and plated ware	37.9	38.5	37.8	38.4	-	1.4	1.7	1.0	1.9	-
3911	Jewelry, precious metal	36.9	37.7	36.5	37.6	-	1.4	1.7	.8	2.0	-
393	Musical instruments	38.3	39.1	38.3	39.0	-	1.0	1.2	.6	1.3	-
394	Toys and sporting goods	38.7	39.3	38.9	39.2	-	1.6	1.7	1.8	2.1	-
3942, 4	Dolls, games, toys, and children's vehicles	37.8	38.6	38.0	39.0	-	1.4	1.5	1.4	2.2	-
3949	Sporting and athletic goods, nec	39.6	40.2	40.0	39.5	-	1.7	2.0	2.2	2.1	-
395	Pens, pencils, office and art supplies	39.3	40.5	39.8	40.2	-	2.3	2.8	2.0	2.4	-
396	Costume jewelry and notions	38.2	38.6	37.6	37.6	-	1.8	2.0	1.0	2.0	-
3961	Costume jewelry	37.2	37.7	36.6	36.3	-	1.1	1.4	.7	1.7	-
399	Miscellaneous manufactures	38.5	38.9	38.3	38.7	-	1.9	2.4	1.8	1.9	-
3993	Signs and advertising displays	38.1	39.0	38.2	38.7	-	2.2	2.7	2.0	2.3	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	40.4	40.3	39.6	40.0	39.4	4.5	4.4	3.7	4.0	-
201	Meat products	39.1	39.6	38.9	39.8	-	3.5	3.9	3.1	3.7	-
2011	Meat packing plants	40.7	41.7	39.6	41.0	-	4.4	5.2	3.3	4.3	-
2013	Sausages and other prepared meats	39.8	39.3	39.6	40.2	-	3.2	3.0	3.5	3.7	-
2016	Poultry dressing plants	36.8	37.0	38.0	38.3	-	2.5	2.6	2.7	3.0	-
202	Dairy products	42.0	42.0	41.7	41.5	-	4.5	4.4	4.1	4.1	-
2022	Cheese, natural and processed	40.7	40.0	40.1	39.7	-	3.9	3.7	3.2	3.1	-
2026	Fluid milk	42.6	43.1	42.2	41.5	-	4.8	4.9	4.7	4.3	-
203	Preserved fruits and vegetables	41.1	40.0	37.9	39.8	-	6.2	5.2	3.4	4.6	-
2032	Canned specialties	39.2	43.1	40.6	41.7	-	6.5	8.7	2.9	4.9	-
2033	Canned fruits and vegetables	42.2	40.3	37.5	40.5	-	7.3	5.8	3.6	5.2	-
2037	Frozen fruits and vegetables	39.8	38.9	36.6	39.0	-	5.1	3.8	3.3	4.5	-
204	Grain mill products	43.2	44.2	42.7	42.8	-	5.7	6.4	5.5	5.7	-
2041	Flour and other grain mill products	46.2	47.1	45.2	45.6	-	6.5	7.7	6.3	5.8	-
2048	Prepared feeds, nec	42.9	44.4	43.3	42.6	-	6.3	7.0	6.2	5.9	-
205	Bakery products	38.6	38.8	38.7	38.1	-	3.3	3.5	3.3	3.1	-
2051	Bread, cake, and related products	38.3	38.2	38.5	38.1	-	3.6	3.7	3.6	3.3	-
2052	Cookies and crackers	39.5	40.4	39.2	38.4	-	2.4	2.9	2.4	2.4	-
206	Sugar and confectionery products	40.0	40.4	39.8	39.8	-	2.8	3.1	2.6	2.7	-
2061-3	Cane and beet sugar	42.7	42.9	43.2	43.0	-	3.3	3.7	4.4	3.8	-
2065	Confectionery products	39.2	39.5	38.2	37.8	-	2.8	2.8	1.7	2.1	-
207	Fats and oils	43.0	43.1	42.5	42.0	-	5.5	5.3	5.3	5.2	-
208	Beverages	42.0	40.8	41.8	41.0	-	4.8	4.4	5.0	4.5	-
2082	Malt beverages	43.8	43.0	43.9	42.5	-	6.2	5.8	7.3	6.5	-
2086	Bottled and canned soft drinks	41.8	40.5	41.6	40.8	-	5.0	4.0	4.7	4.5	-
209	Misc. foods and kindred products	38.4	39.0	38.4	38.1	-	4.0	3.9	3.4	3.4	-
21	TOBACCO MANUFACTURES	36.9	38.2	38.6	40.5	40.4	1.7	1.8	2.1	2.5	-
211	Cigarettes	37.6	37.5	39.1	40.9	-	2.0	1.7	2.4	2.7	-
22	TEXTILE MILL PRODUCTS	39.2	39.8	39.7	39.9	38.7	2.8	3.0	3.0	3.2	-
221	Weaving mills, cotton	39.9	40.6	40.3	40.4	-	3.4	3.6	3.5	3.5	-
222	Weaving mills, synthetics	40.5	40.6	41.7	41.5	-	3.1	3.1	3.7	3.8	-
223	Weaving and finishing mills, wool	39.8	40.2	40.3	41.8	-	2.8	2.7	2.9	3.8	-
224	Narrow fabric mills	39.6	40.2	39.1	39.8	-	2.1	2.1	1.8	2.8	-
225	Knitting mills	37.9	37.7	37.8	38.2	-	2.3	2.2	2.1	2.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	TEXTILE MILL PRODUCTS—Continued										
2251	Women's hosiery, except socks	\$162.36	\$158.10	\$178.23	\$184.63	-	\$4.51	\$4.53	\$4.83	\$4.99	-
2252	Hosiery, nec	166.53	172.33	187.02	187.98	-	4.55	4.62	4.82	4.87	-
2253	Knit outerwear mills	183.26	181.93	188.50	194.44	-	4.76	4.75	5.04	5.09	-
2254	Knit underwear mills	166.16	168.36	175.78	182.03	-	4.59	4.60	4.91	4.96	-
2257	Circular knit fabric mills	223.82	221.45	227.94	226.18	-	5.54	5.55	5.80	5.89	-
226	Textile finishing, except wool	216.31	226.85	233.78	240.98	-	5.49	5.56	5.83	5.95	-
2261	Finishing plants, cotton	219.74	225.50	229.12	245.43	-	5.62	5.68	5.83	6.09	-
2262	Finishing plants, synthetics	226.00	238.52	247.85	249.70	-	5.65	5.72	6.06	6.12	-
227	Floor covering mills	215.51	226.59	221.73	231.54	-	5.35	5.46	5.70	5.62	-
228	Yarn and thread mills	188.16	193.75	205.92	209.47	-	4.90	4.93	5.20	5.33	-
2281	Yarn mills, except wool	187.94	195.92	207.88	211.33	-	4.92	4.96	5.21	5.35	-
2282	Throwing and winding mills	180.95	186.12	190.08	196.61	-	4.70	4.76	4.95	5.12	-
229	Miscellaneous textile goods	231.49	242.44	251.12	257.92	-	5.66	5.80	6.11	6.23	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	162.84	165.09	177.84	180.77	\$177.41	4.60	4.69	4.94	4.98	\$5.04
231	Men's and boys' suits and coats	188.64	189.72	206.79	205.66	-	5.24	5.27	5.65	5.65	-
232	Men's and boys' furnishings	152.88	154.94	166.05	169.42	-	4.20	4.28	4.50	4.53	-
2321	Men's and boys' shirts and nightwear	149.74	152.46	158.76	165.10	-	4.08	4.20	4.41	4.45	-
2327	Men's and boys' separate trousers	148.01	152.25	169.34	169.83	-	4.29	4.35	4.54	4.59	-
2328	Men's and boys' work clothing	152.44	153.87	168.02	170.17	-	4.12	4.17	4.41	4.42	-
233	Women's and misses' outerwear	155.98	155.80	168.64	171.68	-	4.67	4.75	4.96	5.02	-
2331	Women's and misses' blouses and waists	146.63	146.06	160.65	161.46	-	4.30	4.36	4.67	4.68	-
2335	Women's and misses' dresses	151.05	150.79	165.31	169.62	-	4.75	4.88	5.04	5.14	-
2337	Women's and misses' suits and coats	180.78	177.66	190.71	190.96	-	5.24	5.21	5.56	5.60	-
2339	Women's and misses' outerwear, nec	151.85	153.79	165.43	167.90	-	4.44	4.55	4.74	4.77	-
234	Women's and children's undergarments	150.59	152.10	162.90	167.32	-	4.16	4.19	4.50	4.51	-
2341	Women's and children's underwear	150.02	151.52	161.98	165.99	-	4.11	4.14	4.45	4.45	-
2342	Brassieres and allied garments	153.28	155.31	166.73	174.36	-	4.43	4.45	4.71	4.79	-
236	Children's outerwear	150.42	153.44	162.17	165.17	-	4.19	4.31	4.53	4.55	-
2361	Children's dresses and blouses	145.81	146.89	161.17	162.08	-	4.19	4.27	4.54	4.54	-
238	Misc. apparel and accessories	159.58	162.81	180.27	181.42	-	4.47	4.51	4.82	4.89	-
239	Misc. fabricated textile products	200.05	208.30	221.37	226.01	-	5.35	5.54	5.78	5.81	-
2391	Curtains and draperies	145.71	148.83	160.75	171.14	-	4.07	4.10	4.38	4.48	-
2392	House furnishing, nec	173.12	172.58	187.11	192.06	-	4.58	4.59	4.86	4.95	-
2396	Automotive and apparel trimmings	324.97	346.33	402.21	396.73	-	8.62	9.09	9.81	9.70	-
26	PAPER AND ALLIED PRODUCTS	333.98	340.94	370.15	368.03	386.57	7.99	8.06	8.73	8.68	8.99
261, 26	Paper and pulp mills	410.52	423.25	458.88	450.97	-	9.33	9.49	10.22	10.18	-
262	Paper mills, except building paper	409.73	423.41	463.65	452.93	-	9.27	9.43	10.19	10.11	-
263	Paperboard mills	414.42	418.13	456.57	452.61	-	9.44	9.46	10.52	10.31	-
264	Misc. converted paper products	279.10	284.01	310.54	312.12	-	6.96	7.03	7.63	7.65	-
2641	Paper coating and glazing	307.09	316.65	362.51	363.34	-	7.62	7.78	8.57	8.61	-
2642	Envelopes	248.29	254.40	277.11	284.82	-	6.27	6.36	6.98	7.05	-
2643	Bags, except textile bags	273.21	273.10	290.40	292.98	-	6.68	6.71	7.26	7.27	-
265	Paperboard containers and boxes	287.85	294.65	314.29	318.10	-	7.09	7.10	7.61	7.61	-
2651	Folding paperboard boxes	301.29	300.66	324.73	322.04	-	7.26	7.21	7.75	7.76	-
2653	Corrugated and solid fiber boxes	304.55	313.44	329.57	339.62	-	7.41	7.41	7.98	8.01	-
2654	Sanitary food containers	275.72	281.23	302.87	303.45	-	6.66	6.68	7.06	7.09	-
27	PRINTING AND PUBLISHING	283.46	287.56	305.78	310.13	316.88	7.62	7.73	8.22	8.27	8.45
271	Newspapers	259.83	260.97	279.22	283.75	-	7.71	7.79	8.36	8.42	-
272	Periodicals	265.95	275.26	285.67	294.41	-	7.13	7.36	7.70	7.83	-
273	Books	269.35	270.23	280.49	294.12	-	6.96	7.13	7.54	7.60	-
2731	Book publishing	262.68	263.52	269.35	284.16	-	6.77	6.99	7.26	7.40	-
2732	Book printing	277.15	278.10	293.59	305.37	-	7.18	7.28	7.85	7.83	-
274	Miscellaneous publishing	249.44	248.79	257.40	275.28	-	6.76	6.93	7.15	7.40	-
275	Commercial printing	306.40	312.27	329.95	334.93	-	8.00	8.09	8.57	8.61	-
2751	Commercial printing, letterpress	283.12	289.18	308.61	312.70	-	7.49	7.59	8.10	8.08	-
2752	Commercial printing, lithographic	317.29	321.26	341.83	345.93	-	8.22	8.28	8.81	8.87	-
276	Manifold business forms	295.37	301.55	338.66	331.28	-	7.44	7.52	8.20	8.20	-
278	Blankbooks and bookbinding	220.99	231.08	241.64	238.77	-	5.77	5.91	6.26	6.30	-
279	Printing trade services	361.57	365.53	382.13	394.87	-	9.49	9.67	10.19	10.31	-
28	CHEMICALS AND ALLIED PRODUCTS	343.56	349.81	380.14	379.64	394.15	8.40	8.47	9.16	9.17	9.34
281	Industrial inorganic chemicals	378.73	384.81	426.40	426.01	-	9.26	9.34	10.25	10.34	-
2819	Industrial inorganic chemicals, nec	378.27	383.39	422.71	425.14	-	9.34	9.42	10.26	10.42	-
282	Plastics materials and synthetics	335.34	341.53	384.51	380.45	-	8.28	8.33	9.09	9.08	-
2821	Plastics materials and resins	368.81	377.80	412.86	416.22	-	8.93	9.06	9.83	9.91	-
2824	Organic fibers, noncellulosic	310.04	315.52	368.07	357.79	-	7.79	7.81	8.62	8.58	-
283	Drugs	315.06	319.87	334.95	342.36	-	7.76	7.84	8.25	8.33	-
2834	Pharmaceutical preparations	298.50	302.30	315.22	326.43	-	7.50	7.52	7.94	8.06	-

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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	TEXTILE MILL PRODUCTS—Continued										
2261	Women's hosiery, except socks	36.0	34.9	36.9	37.0	-	1.2	0.9	2.3	2.3	-
2262	Hosiery, nec	36.6	37.3	38.8	38.6	-	1.8	2.2	2.6	2.3	-
2253	Knit outerwear mills	38.5	38.3	37.4	38.2	-	2.7	2.5	1.8	2.4	-
2254	Knit underwear mills	36.2	36.6	35.8	36.7	-	1.3	1.5	.7	1.6	-
2257	Circular knit fabric mills	40.4	39.9	39.3	38.4	-	4.2	3.5	2.5	2.2	-
225	Textile finishing, except wool	39.4	40.8	40.1	40.5	-	2.8	3.4	3.2	3.5	-
2261	Finishing plants, cotton	39.1	39.7	39.3	40.3	-	2.5	3.2	2.9	3.3	-
2262	Finishing plants, synthetics	40.0	41.7	40.9	40.8	-	3.3	3.9	3.3	3.6	-
227	Fiber covering mills	40.3	41.5	38.9	41.2	-	3.3	4.3	3.7	4.0	-
228	Yarn and thread mills	38.4	39.3	39.6	39.3	-	2.5	2.8	3.2	2.9	-
2281	Yarn mills, except wool	38.2	39.5	39.9	39.5	-	2.4	2.9	3.5	3.1	-
2282	Spinning and winding mills	38.5	39.1	38.4	38.4	-	3.1	3.4	2.5	2.7	-
229	Miscellaneous textile goods	40.9	41.8	41.1	41.4	-	2.8	3.7	3.2	4.0	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.4	35.2	36.0	36.3	35.2	1.1	1.1	1.0	1.3	-
231	Men's and boys' suits and coats	36.0	36.0	36.6	36.4	-	.7	.9	.6	.9	-
232	Men's and boys' furnishings	36.4	36.2	36.9	37.4	-	1.0	1.1	.9	1.1	-
2321	Men's and boys' shirts and nightwear	36.7	36.3	36.0	37.1	-	1.2	1.1	.8	1.0	-
2327	Men's and boys' separate trousers	34.5	35.0	37.3	37.0	-	.7	1.0	1.0	1.1	-
2328	Men's and boys' work clothing	37.0	36.9	38.1	38.5	-	1.2	1.4	1.1	1.2	-
233	Women's and misses' outerwear	33.4	32.8	34.0	34.2	-	.9	.8	.9	1.1	-
2331	Women's and misses' blouses and waists	34.1	33.5	34.4	34.5	-	.9	.8	.8	1.1	-
2335	Women's and misses' dresses	31.8	30.9	32.8	33.0	-	.8	.7	.9	1.0	-
2337	Women's and misses' suits and coats	34.5	34.1	34.3	34.1	-	1.0	1.0	.8	.9	-
2339	Women's and misses' outerwear, nec	34.2	33.8	34.9	35.2	-	1.1	.9	.9	1.2	-
234	Women's and children's undergarments	36.2	36.3	36.2	37.1	-	.9	1.1	1.3	1.7	-
2341	Women's and children's underwear	36.5	36.6	36.4	37.3	-	1.0	1.1	1.3	1.7	-
2342	Brassieres and allied garments	34.6	34.9	35.4	36.4	-	.7	.9	1.1	1.6	-
236	Children's outerwear	35.9	35.6	35.8	36.3	-	1.4	1.1	1.0	1.9	-
2361	Children's dresses and blouses	34.8	34.4	35.5	35.7	-	.8	.9	1.1	1.3	-
238	Misc. apparel and accessories	35.7	36.1	37.4	37.1	-	1.2	1.2	1.4	1.6	-
239	Misc. fabricated textile products	37.4	37.6	38.3	38.9	-	1.5	1.9	1.8	2.1	-
2391	Curtains and draperies	35.8	36.3	36.7	38.2	-	.3	.6	.6	1.4	-
2392	House furnishings, nec	37.8	37.6	38.5	38.8	-	1.5	1.8	2.0	2.0	-
2396	Automotive and apparel trimmings	37.7	38.1	41.0	40.9	-	2.8	3.2	3.2	2.8	-
26	PAPER AND ALLIED PRODUCTS	41.8	42.3	42.4	42.4	43.0	4.3	4.6	4.6	4.5	-
261, 2, 6	Paper and pulp mills	44.0	44.6	44.9	44.3	-	6.3	7.0	6.9	6.2	-
262	Paper mills, except building paper	44.2	44.9	45.5	44.8	-	6.4	7.1	7.2	6.4	-
263	Paperboard mills	43.9	44.2	43.4	43.9	-	7.2	6.8	7.4	7.2	-
264	Misc. converted paper products	40.1	40.4	40.7	40.8	-	2.9	3.0	2.7	2.9	-
2641	Paper coating and glazing	40.3	40.7	42.3	42.2	-	3.1	3.2	2.9	3.1	-
2642	Envelopes	39.6	40.0	39.7	40.4	-	2.1	2.5	1.9	2.8	-
2643	Bags, except textile bags	40.9	40.7	40.0	40.3	-	3.1	3.1	2.5	2.9	-
265	Paperboard containers and boxes	40.6	41.5	41.3	41.8	-	2.9	3.4	3.4	3.8	-
2651	Folding paperboard boxes	41.5	41.7	41.9	41.5	-	4.0	3.9	3.9	3.7	-
2653	Corrugated and solid fiber boxes	41.1	42.3	41.3	42.4	-	2.7	3.4	3.5	4.3	-
2654	Sanitary food containers	41.4	42.1	42.9	42.8	-	3.2	3.7	3.4	3.6	-
27	PRINTING AND PUBLISHING	37.2	37.2	37.2	37.5	37.5	2.5	2.8	2.3	2.6	-
271	Newspapers	33.7	33.5	33.4	33.7	-	1.8	1.8	1.4	1.7	-
272	Periodicals	37.3	37.4	37.1	37.6	-	2.5	3.0	1.8	2.8	-
273	Books	38.7	37.9	37.2	38.7	-	2.6	2.4	1.8	2.5	-
2731	Book publishing	38.8	37.7	37.1	38.4	-	1.6	1.5	.9	1.7	-
2732	Book printing	38.6	38.2	37.4	39.0	-	3.7	3.4	2.9	3.5	-
274	Miscellaneous publishing	36.9	35.9	36.0	37.2	-	2.0	1.8	.7	2.1	-
275	Commercial printing	38.3	38.6	38.5	38.9	-	3.0	3.4	2.9	3.1	-
2751	Commercial printing, letterpress	37.8	38.1	38.1	38.7	-	2.3	2.8	2.4	2.4	-
2752	Commercial printing, lithographic	38.6	38.8	38.8	39.0	-	3.4	3.7	3.1	3.6	-
276	Manifold business forms	39.7	40.1	41.3	40.4	-	2.5	2.9	3.7	3.2	-
278	Blankbooks and bookbinding	38.3	39.1	38.6	37.9	-	1.7	2.2	1.7	1.6	-
279	Printing trade service	38.1	37.8	37.5	38.3	-	4.0	3.9	3.5	3.8	-
28	CHEMICALS AND ALLIED PRODUCTS	40.9	41.3	41.5	41.4	42.2	2.9	3.1	3.3	3.4	-
281	Industrial inorganic chemicals	40.9	41.2	41.6	41.2	-	3.0	3.0	3.4	3.4	-
2819	Industrial inorganic chemicals, nec	40.5	40.7	41.2	40.8	-	2.8	2.8	3.2	3.2	-
282	Plastics materials and synthetics	40.5	41.0	42.3	41.9	-	2.3	2.5	3.7	3.6	-
2821	Plastics materials and resins	41.3	41.7	42.0	42.0	-	3.3	3.6	4.1	4.4	-
2824	Organic fibers, noncellulosic	39.8	40.4	42.7	41.7	-	1.2	1.5	3.5	3.2	-
283	Drugs	40.6	40.8	40.6	41.1	-	2.9	3.0	2.5	2.7	-
2834	Pharmaceutical preparations	39.8	40.2	39.7	40.5	-	3.0	3.0	2.4	2.8	-

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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	\$308.33	\$316.93	\$333.66	\$335.32	-	\$7.67	\$7.73	\$8.30	\$8.30	-
2841	Soap and other detergents	426.97	427.23	449.53	448.98	-	10.07	10.10	10.78	10.69	-
2844	Toilet preparations	235.22	247.46	253.76	251.29	-	5.97	6.11	6.49	6.46	-
2842, 3	Polishing, sanitation, and finishing preparations	282.36	297.48	336.15	349.38	-	7.24	7.40	8.30	8.48	-
285	Paints and allied products	300.75	302.71	327.61	324.80	-	7.50	7.53	8.01	8.12	-
286	Industrial organic chemicals	412.02	416.66	464.83	459.65	-	9.81	9.85	10.81	10.79	-
2865	Cyclic crudes and intermediates	377.71	368.18	431.38	420.68	-	9.19	8.98	10.15	10.04	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	423.42	433.14	476.50	473.62	-	10.01	10.12	11.03	11.04	-
287	Agricultural chemicals	356.10	369.73	379.26	383.11	-	8.32	8.48	9.03	9.10	-
289	Miscellaneous chemical products	317.52	322.77	350.88	347.30	-	7.84	7.95	8.60	8.45	-
29	PETROLEUM AND COAL PRODUCTS	430.86	448.32	498.62	485.04	\$505.12	10.21	10.33	11.41	11.28	\$11.48
291	Petroleum refining	461.00	478.90	539.00	519.70	-	10.95	11.06	12.25	12.03	-
295	Paving and roofing materials	339.98	361.71	381.50	382.70	-	7.87	8.11	8.75	8.90	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	266.00	270.82	291.20	296.13	294.92	6.65	6.72	7.28	7.33	7.41
301	Tires and inner tubes	407.81	423.43	460.91	472.69	-	10.02	10.13	11.16	11.39	-
302	Rubber and plastics footwear	184.82	185.12	184.51	173.53	-	4.39	4.45	4.78	4.69	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	294.65	299.71	324.06	328.27	-	7.10	7.17	7.79	7.91	-
306	Fabricated rubber products, nec	245.63	252.63	265.56	274.57	-	6.25	6.30	6.74	6.83	-
307	Miscellaneous plastics products	240.60	242.99	262.28	266.38	-	6.03	6.09	6.59	6.61	-
31	LEATHER AND LEATHER PRODUCTS	168.36	167.71	181.54	184.02	181.51	4.60	4.62	4.96	4.96	5.07
311	Leather tanning and finishing	243.32	247.44	253.11	261.20	-	6.16	6.14	6.49	6.53	-
314	Footwear, except rubber	161.70	161.01	172.56	176.16	-	4.43	4.46	4.78	4.80	-
3143	Men's footwear, except athletic	174.46	173.82	183.63	187.75	-	4.64	4.66	4.99	5.02	-
3144	Women's footwear, except athletic	152.22	148.61	165.67	168.48	-	4.30	4.32	4.68	4.68	-
316	Luggage	194.31	181.05	191.44	195.97	-	5.10	4.88	5.16	5.09	-
317	Handbags and personal leather goods	154.34	154.61	173.59	173.33	-	4.36	4.43	4.73	4.71	-
-	TRANSPORTATION AND PUBLIC UTILITIES	354.92	358.09	385.66	392.43	388.22	8.94	9.02	9.69	9.86	9.98
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	431.76	448.49	468.86	-	-	10.28	10.31	10.56	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	248.03	218.40	261.89	263.58	-	6.74	6.50	7.04	7.01	-
411	Local and suburban transportation	284.71	272.53	292.93	295.40	-	7.10	6.97	7.36	7.33	-
413	Intercity highway transportation	372.91	365.74	408.81	403.82	-	10.33	10.42	10.96	10.74	-
42	TRUCKING AND WAREHOUSING	363.27	366.42	393.00	396.36	-	9.22	9.30	10.00	10.06	-
421, 3	Trucking and trucking terminals	371.30	374.86	400.86	404.24	-	9.40	9.49	10.20	10.26	-
422	Public warehousing	253.99	251.74	269.12	269.66	-	6.58	6.59	6.99	6.95	-
46	PIPE LINES, EXCEPT NATURAL GAS	425.18	444.78	490.75	477.48	-	10.27	10.49	11.23	11.13	-
48	COMMUNICATION	335.20	342.50	366.56	388.85	-	8.38	8.52	9.21	9.77	-
481	Telephone communication	345.42	352.81	377.88	406.21	-	8.55	8.69	9.40	10.13	-
4817	Switchboard operating employees ³	233.50	233.06	261.17	280.49	-	6.97	7.02	7.57	8.13	-
4818	Line construction employees ⁴	452.12	465.75	480.27	519.06	-	10.16	10.35	10.94	11.77	-
483	Radio and television broadcasting	286.10	290.70	317.14	316.47	-	7.47	7.63	8.39	8.35	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	376.20	379.39	409.86	410.41	-	9.00	9.12	9.90	10.01	-
491	Electric services	393.13	396.53	423.36	419.57	-	9.25	9.33	10.08	10.11	-
492	Gas production and distribution	335.37	339.69	369.96	373.22	-	8.24	8.45	9.09	9.17	-
493	Combination utility services	408.10	409.53	452.38	459.82	-	9.81	9.94	10.98	11.27	-
495	Sanitary services	293.53	300.96	318.68	322.79	-	7.09	7.20	7.83	7.97	-
-	WHOLESALE AND RETAIL TRADE	179.52	179.03	193.85	193.91	192.28	5.49	5.56	5.91	5.93	5.99
50, 51	WHOLESALE TRADE	268.42	272.20	294.49	295.29	294.91	6.99	7.07	7.59	7.65	7.66
50	WHOLESALE TRADE-DURABLE GOODS	272.61	275.02	295.62	298.72	-	6.99	7.07	7.58	7.64	-
501	Motor vehicles and automotive equipment	249.23	249.98	274.17	273.54	-	6.44	6.51	7.03	7.05	-
502	Furniture and home furnishings	236.86	235.79	259.61	261.43	-	6.35	6.39	6.96	6.99	-
503	Lumber and construction materials	274.32	279.63	306.93	312.45	-	7.07	7.17	7.81	7.91	-
504	Sporting goods, toys, and hobby goods	271.44	274.81	297.33	298.03	-	7.20	7.27	7.95	7.99	-

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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	40.2	41.0	40.2	40.4	-	2.8	3.3	2.4	3.2	-
2841	Soap and other detergents	42.4	42.3	41.7	42.0	-	4.6	4.3	3.7	4.2	-
2844	Toilet preparations	39.4	40.5	39.1	38.9	-	2.0	2.9	1.5	2.5	-
2842, 3	Polishing, sanitation, and finishing preparations	39.0	40.2	40.5	41.2	-	1.8	2.7	2.3	3.1	-
285	Paints and allied products	40.1	40.2	40.9	40.0	-	2.4	2.4	3.0	2.8	-
286	Industrial organic chemicals	42.0	42.3	43.0	42.6	-	3.2	3.2	4.0	3.9	-
2865	Cyclic crudes and intermediates	41.1	41.0	42.5	41.9	-	2.7	2.5	3.8	3.1	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	42.3	42.8	43.2	42.9	-	3.4	3.4	4.1	4.1	-
287	Agricultural chemicals	42.6	43.6	42.0	42.1	-	4.3	5.2	4.1	4.1	-
289	Miscellaneous chemical products	40.5	40.6	40.8	41.1	-	3.0	3.2	2.9	3.0	-
29	PETROLEUM AND COAL PRODUCTS	42.2	43.4	43.7	43.0	44.0	3.6	3.9	3.9	3.8	-
291	Petroleum refining	42.1	43.3	44.0	43.2	-	3.0	3.4	3.6	3.5	-
295	Paving and roofing materials	43.2	44.6	43.6	43.0	-	6.2	6.8	5.6	5.9	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	40.0	40.3	40.0	40.4	39.8	2.7	3.1	3.0	3.1	-
301	Tires and inner tubes	40.7	41.8	41.3	41.5	-	2.5	3.3	2.9	3.6	-
302	Rubber and plastics footwear	42.1	41.6	38.6	37.0	-	3.2	3.2	2.5	2.0	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	41.5	41.8	41.6	41.5	-	2.8	3.2	3.1	3.0	-
306	Fabricated rubber products, nec	39.3	40.1	39.4	40.2	-	2.4	2.6	2.5	2.7	-
307	Miscellaneous plastics products	39.9	39.9	39.8	40.3	-	2.9	3.1	3.2	3.2	-
31	LEATHER AND LEATHER PRODUCTS	36.6	36.3	36.6	37.1	35.8	1.6	1.5	1.3	1.5	-
311	Leather tanning and finishing	39.5	40.3	39.0	40.0	-	2.8	3.1	2.3	3.1	-
314	Footwear, except rubber	36.5	36.1	36.1	36.7	-	1.3	1.2	1.1	1.3	-
3143	Men's footwear, except athletic	37.6	37.3	36.8	37.4	-	1.3	1.3	1.1	1.4	-
3144	Women's footwear, except athletic	35.4	34.4	35.4	36.0	-	1.2	1.1	1.3	1.4	-
316	Luggage	38.1	37.1	37.1	38.5	-	3.0	2.4	1.1	1.5	-
317	Handbags and personal leather goods	35.4	34.9	36.7	36.8	-	1.6	1.5	1.7	1.7	-
-	TRANSPORTATION AND PUBLIC UTILITIES	39.7	39.7	39.8	39.8	38.9	-	-	-	-	-
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	42.0	43.5	44.4	-	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	36.8	33.6	37.2	37.6	-	-	-	-	-	-
411	Local and suburban transportation	40.1	39.1	39.8	40.3	-	-	-	-	-	-
413	Intercity highway transportation	36.1	35.1	37.3	37.6	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	39.4	39.4	39.3	39.4	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	39.5	39.5	39.3	39.4	-	-	-	-	-	-
422	Public warehousing	38.6	38.2	38.5	38.8	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	41.4	42.4	43.7	42.9	-	-	-	-	-	-
48	COMMUNICATION	40.0	40.2	39.8	39.8	-	-	-	-	-	-
481	Telephone communication	40.4	40.6	40.2	40.1	-	-	-	-	-	-
4817	Switchboard operating employees ³	33.5	33.2	34.5	34.5	-	-	-	-	-	-
4818	Line construction employees ⁴	44.5	45.0	43.9	44.1	-	-	-	-	-	-
483	Radio and television broadcasting	38.3	38.1	37.8	37.9	-	-	-	-	-	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.8	41.6	41.4	41.0	-	-	-	-	-	-
491	Electric services	42.5	42.5	42.0	41.5	-	-	-	-	-	-
492	Gas production and distribution	40.7	40.2	40.7	40.7	-	-	-	-	-	-
493	Combination utility services	41.6	41.2	41.2	40.8	-	-	-	-	-	-
495	Sanitary services	41.4	41.8	40.7	40.5	-	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE	32.7	32.2	32.8	32.7	32.1	-	-	-	-	-
50, 51	WHOLESALE TRADE	38.4	38.5	38.8	38.6	38.5	-	-	-	-	-
50	WHOLESALE TRADE-DURABLE GOODS	39.0	38.9	39.0	39.1	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	38.7	38.4	39.0	38.8	-	-	-	-	-	-
502	Furniture and home furnishings	37.3	36.9	37.3	37.4	-	-	-	-	-	-
503	Lumber and construction materials	38.8	39.0	39.3	39.5	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	37.7	37.8	37.4	37.3	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	\$324.18	\$328.60	\$346.81	\$350.95	-	\$8.27	\$8.34	\$8.78	\$8.84	-
506	Electrical goods	280.02	286.30	308.09	316.65	-	7.18	7.36	7.92	8.14	-
507	Hardware, plumbing, and heating equipment	258.30	258.72	272.38	275.73	-	6.64	6.72	7.02	7.07	-
508	Machinery, equipment, and supplies	284.07	286.10	307.71	308.90	-	7.21	7.28	7.79	7.84	-
509	Miscellaneous durable goods	224.41	228.05	236.76	242.17	-	5.89	5.97	6.28	6.29	-
51	WHOLESALE TRADE-NONDURABLE GOODS	263.90	267.57	292.22	291.08	-	7.00	7.06	7.61	7.66	-
511	Paper and paper products	287.79	293.83	314.50	312.06	-	7.95	8.05	8.50	8.48	-
512	Drugs, proprietaries, and sundries	277.51	285.38	300.47	307.64	-	7.48	7.59	7.97	8.27	-
513	Apparel, piece goods, and notions	230.63	236.43	250.61	253.08	-	6.25	6.39	6.81	6.84	-
514	Groceries and related products	258.43	265.73	293.33	291.85	-	6.91	7.03	7.56	7.64	-
516	Chemicals and allied products	326.09	330.62	346.10	350.62	-	8.34	8.37	8.92	9.06	-
517	Petroleum and petroleum products	333.43	335.75	363.09	357.75	-	8.42	8.50	9.10	9.08	-
518	Beer, wine, and distilled beverages	306.98	298.52	337.27	335.01	-	8.23	8.09	8.97	9.03	-
519	Miscellaneous nondurable goods	220.80	222.91	239.74	238.85	-	5.78	5.82	6.20	6.22	-
52-59	RETAIL TRADE	151.10	149.49	161.92	162.23	\$160.66	4.89	4.95	5.24	5.25	\$5.32
52	BUILDING MATERIALS AND GARDEN SUPPLIES	199.93	201.25	213.75	216.20	-	5.36	5.41	5.70	5.75	-
521	Lumber and other building materials	220.52	221.52	234.04	235.80	-	5.64	5.68	5.94	6.09	-
525	Hardware stores	160.43	159.87	174.38	174.73	-	4.65	4.73	5.04	5.05	-
53	GENERAL MERCHANDISE STORES	144.30	142.49	154.80	153.47	-	4.81	4.83	5.16	5.15	-
531	Department stores	149.50	148.09	159.67	158.60	-	5.00	5.02	5.34	5.34	-
533	Variety stores	116.19	114.17	125.50	125.04	-	3.86	3.87	4.24	4.21	-
539	Misc. general merchandise stores	117.65	115.25	131.94	133.65	-	3.87	3.92	4.27	4.27	-
54	FOOD STORES	203.50	202.84	219.84	219.74	-	6.32	6.46	6.87	6.91	-
541	Grocery stores	212.55	211.76	228.94	229.12	-	6.54	6.68	7.11	7.16	-
546	Retail bakeries	138.60	134.56	143.75	144.34	-	4.62	4.64	4.94	4.86	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	216.41	213.75	234.32	235.08	-	5.71	5.70	6.15	6.17	-
551.2	New and used car dealers	258.72	253.75	274.12	278.31	-	6.72	6.66	7.12	7.21	-
553	Auto and home supply stores	215.25	211.23	237.63	231.65	-	5.25	5.19	5.81	5.65	-
554	Gasoline service stations	159.67	158.30	175.69	174.85	-	4.46	4.51	4.84	4.83	-
56	APPAREL AND ACCESSORY STORES	123.97	123.82	136.59	135.41	-	4.26	4.36	4.63	4.59	-
561	Men's and boys' clothing and furnishings	157.14	155.50	176.04	168.16	-	4.85	4.89	5.40	5.19	-
562	Women's ready-to-wear stores	110.95	109.62	121.34	123.39	-	4.02	4.06	4.31	4.36	-
565	Family clothing stores	117.14	117.58	132.31	134.38	-	4.11	4.26	4.55	4.54	-
566	Shoe stores	130.20	132.77	139.24	135.95	-	4.34	4.61	4.72	4.64	-
57	FURNITURE AND HOME FURNISHINGS STORES	197.82	195.51	209.57	208.85	-	5.62	5.70	5.92	5.95	-
571	Furniture and home furnishings stores	196.49	195.74	209.09	208.70	-	5.63	5.69	5.94	5.98	-
572	Household appliance stores	210.99	210.25	225.63	222.41	-	5.91	5.99	6.25	6.23	-
573	Radio, television, and music stores	192.06	187.71	199.09	201.21	-	5.41	5.57	5.64	5.70	-
58	EATING AND DRINKING PLACES⁴	100.37	97.46	106.11	106.90	-	3.69	3.72	3.93	3.93	-
59	MISCELLANEOUS RETAIL	154.88	152.70	163.71	163.01	-	4.84	4.91	5.10	5.11	-
591	Drug stores and proprietary stores	133.48	130.50	142.37	142.80	-	4.42	4.50	4.73	4.76	-
594	Miscellaneous shopping goods stores	141.02	137.70	151.69	149.46	-	4.52	4.59	4.77	4.76	-
596	Nonstore retailers	196.13	194.97	199.17	199.76	-	5.82	5.82	5.91	5.91	-
598	Fuel and ice dealers	238.85	241.04	256.61	258.40	-	6.22	6.31	6.70	6.80	-
599	Retail stores, nec	164.98	163.51	170.65	170.56	-	4.91	4.94	5.14	5.20	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁵	211.63	211.91	227.60	231.87	229.24	5.83	5.87	6.27	6.37	6.35
60	BANKING	182.50	181.94	195.64	201.30	-	5.00	5.04	5.36	5.47	-
602	Commercial and stock savings banks	179.09	178.70	192.36	198.35	-	4.92	4.95	5.27	5.39	-
61	CREDIT AGENCIES OTHER THAN BANKS	188.34	188.55	205.16	209.42	-	5.16	5.18	5.56	5.66	-
612	Savings and loan associations	179.09	179.69	191.46	193.45	-	4.92	4.95	5.26	5.30	-
614	Personal credit institutions	182.67	182.94	204.95	211.12	-	5.06	5.11	5.48	5.66	-
63	INSURANCE CARRIERS	239.63	240.75	262.92	267.04	-	6.39	6.42	7.03	7.14	-
631	Life insurance	250.99	252.21	280.12	285.39	-	6.64	6.69	7.45	7.55	-
632	Medical service and health insurance	229.30	229.14	244.40	247.88	-	6.05	6.03	6.50	6.61	-
633	Fire, marine, and casualty insurance	232.47	233.58	252.71	254.33	-	6.30	6.33	6.83	6.93	-

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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	39.2	39.4	39.5	39.7	-	-	-	-	-	
506	Electrical goods	39.0	38.9	38.9	38.9	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment	38.9	38.5	38.8	39.0	-	-	-	-	-	
508	Machinery equipment, and supplies	39.4	39.3	39.5	39.4	-	-	-	-	-	
509	Miscellaneous durable goods	38.1	38.2	37.7	38.5	-	-	-	-	-	
51	WHOLESALE TRADE-NONDURABLE GOODS ..	37.7	37.9	38.4	38.0	-	-	-	-	-	
511	Paper and paper products	36.2	36.5	37.0	36.8	-	-	-	-	-	
512	Drugs, proprietaries, and sundries	37.1	37.6	37.7	37.2	-	-	-	-	-	
513	Apparel, piece goods, and notions	36.9	37.0	36.8	37.0	-	-	-	-	-	
514	Groceries and related products	37.4	37.8	38.8	38.2	-	-	-	-	-	
516	Chemicals and allied products	39.1	39.5	38.8	38.7	-	-	-	-	-	
517	Petroleum and petroleum products	39.6	39.5	39.9	39.4	-	-	-	-	-	
518	Beer, wine, and distilled beverages	37.3	36.9	37.6	37.1	-	-	-	-	-	
519	Miscellaneous nondurable goods	38.2	38.3	38.7	38.4	-	-	-	-	-	
52-59	RETAIL TRADE	30.9	30.2	30.9	30.9	30.2	-	-	-	-	
52	BUILDING MATERIALS AND GARDEN SUPPLIES	37.3	37.2	37.5	37.6	-	-	-	-	-	
521	Lumber and other building materials	39.1	39.0	39.4	39.3	-	-	-	-	-	
525	Hardware stores	34.5	33.8	34.6	34.6	-	-	-	-	-	
53	GENERAL MERCHANDISE STORES	30.0	29.5	30.0	29.8	-	-	-	-	-	
531	Department stores	29.9	29.5	29.9	29.7	-	-	-	-	-	
533	Variety stores	30.1	29.5	29.6	29.7	-	-	-	-	-	
539	Misc. general merchandise stores	30.4	29.4	30.9	31.3	-	-	-	-	-	
54	FOOD STORES	32.2	31.4	32.0	31.8	-	-	-	-	-	
541	Grocery stores	32.5	31.7	32.2	32.0	-	-	-	-	-	
546	Retail bakeries	30.0	29.0	29.1	29.7	-	-	-	-	-	
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	37.9	37.5	38.1	38.1	-	-	-	-	-	
551, 2	New and used car dealers	38.5	38.1	38.5	38.6	-	-	-	-	-	
553	Auto and home supply stores	41.0	40.7	40.9	41.0	-	-	-	-	-	
554	Gasoline service stations	35.8	35.1	36.3	36.2	-	-	-	-	-	
56	APPAREL AND ACCESSORY STORES	29.1	28.4	29.5	29.5	-	-	-	-	-	
561	Men's and boys' clothing and furnishings	32.4	31.8	32.6	32.4	-	-	-	-	-	
562	Women's ready-to-wear stores	27.6	27.0	28.2	28.3	-	-	-	-	-	
565	Family clothing stores	28.5	27.6	29.1	29.6	-	-	-	-	-	
566	Shoe stores	30.0	28.8	29.5	29.3	-	-	-	-	-	
57	FURNITURE AND HOME FURNISHINGS STORES	35.2	34.3	35.4	35.1	-	-	-	-	-	
571	Furniture and home furnishings stores	34.9	34.4	35.2	34.9	-	-	-	-	-	
572	Household appliance stores	35.7	35.1	36.1	35.7	-	-	-	-	-	
573	Radio, television, and music stores	35.5	33.7	35.3	35.3	-	-	-	-	-	
58	EATING AND DRINKING PLACES	27.2	26.2	27.0	27.2	-	-	-	-	-	
59	MISCELLANEOUS RETAIL	32.0	31.1	32.1	31.9	-	-	-	-	-	
591	Drug stores and proprietary stores	30.2	29.0	30.1	30.0	-	-	-	-	-	
594	Miscellaneous shopping goods stores	31.2	30.0	31.8	31.4	-	-	-	-	-	
596	Nonstore retailers	33.7	33.5	33.7	33.8	-	-	-	-	-	
598	Fuel and ice dealers	38.4	38.2	38.3	38.0	-	-	-	-	-	
599	Retail stores, nec	33.6	33.1	33.2	32.8	-	-	-	-	-	
	FINANCE, INSURANCE, AND REAL ESTATE	36.3	36.1	36.3	36.4	36.1	-	-	-	-	
60	BANKING	36.5	36.1	36.5	36.8	-	-	-	-	-	
602	Commercial and stock savings banks	36.4	36.1	36.5	36.8	-	-	-	-	-	
61	CREDIT AGENCIES OTHER THAN BANKS	36.5	36.4	36.9	37.0	-	-	-	-	-	
612	Savings and loan associations	36.4	36.3	36.4	36.5	-	-	-	-	-	
614	Personal credit institutions	36.1	35.8	37.4	37.3	-	-	-	-	-	
63	INSURANCE CARRIERS	37.5	37.5	37.4	37.4	-	-	-	-	-	
631	Life insurance	37.8	37.7	37.6	37.8	-	-	-	-	-	
632	Medical service and health insurance	37.9	38.0	37.6	37.5	-	-	-	-	-	
633	Fire, marine, and casualty insurance	36.9	36.9	37.0	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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
-	SERVICES	\$192.31	\$193.32	\$209.22	\$210.89	\$209.95	\$5.81	\$5.93	\$6.34	\$6.41	\$6.48
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts	138.03	137.10	148.51	148.52	-	4.41	4.51	4.76	4.70	-
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	151.99	151.76	163.15	162.81	-	4.51	4.53	4.87	4.86	-
723	Beauty shops	126.71	129.17	138.23	140.10	-	4.31	4.32	4.67	4.67	-
	BUSINESS SERVICES	201.86	199.47	216.47	217.47	-	6.08	6.10	6.54	6.61	-
731	Advertising	285.16	288.10	309.93	322.64	-	8.01	8.07	8.83	9.14	-
734	Services to buildings	146.20	142.78	149.88	147.97	-	5.24	5.23	5.49	5.46	-
737	Computer and data processing services	262.81	266.08	297.38	302.68	-	7.22	7.31	7.93	8.05	-
	AUTO REPAIR, SERVICES, AND GARAGES	234.55	232.85	249.36	250.10	-	6.14	6.16	6.46	6.53	-
753	Automotive repair shops	258.45	257.13	275.22	275.71	-	6.61	6.61	6.95	6.98	-
76	MISCELLANEOUS REPAIR SERVICES	290.78	291.40	305.24	301.82	-	6.99	7.09	7.65	7.68	-
	MOTION PICTURES	177.55	169.83	193.28	198.86	-	6.48	6.66	7.08	7.42	-
781	Motion picture production and services	391.95	379.66	431.73	446.22	-	10.05	9.71	11.07	11.56	-
79	AMUSEMENT AND RECREATION SERVICES ..	165.36	165.60	181.32	184.51	-	5.20	5.73	5.72	5.73	-
	HEALTH SERVICES	189.66	190.49	211.12	211.53	-	5.73	5.79	6.34	6.41	-
801	Offices of physicians	193.43	194.03	209.30	211.54	-	5.97	5.97	6.48	6.59	-
802	Offices of dentists	163.57	162.73	179.61	182.69	-	5.66	5.73	6.28	6.41	-
805	Nursing and personal care facilities	129.16	131.13	143.33	143.01	-	4.18	4.23	4.55	4.54	-
806	Hospitals	211.41	211.42	236.66	237.01	-	6.11	6.20	6.84	6.91	-
81	LEGAL SERVICES	252.40	254.39	275.77	285.38	-	7.38	7.46	8.04	8.32	-
	MISCELLANEOUS SERVICES	328.14	331.58	354.92	362.14	-	8.59	8.68	9.34	9.53	-
891	Engineering and architectural services	357.10	363.87	387.44	395.07	-	9.18	9.33	9.96	10.13	-
893	Accounting, auditing, and bookkeeping	279.38	277.51	299.67	305.62	-	7.47	7.42	7.97	8.25	-

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 nonsupervisory 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 1980 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 workers' on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P	Aug. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
-	SERVICES	33.1	32.6	33.0	32.9	32.4	-	-	-	-	-
701	HOTELS AND OTHER LODGING PLACES: Hotels, motels, and tourist courts	31.3	30.4	31.2	31.6	-	-	-	-	-	-
721	PERSONAL SERVICES: Laundry, cleaning, and garment services	33.7	33.5	33.5	33.5	-	-	-	-	-	-
723	Beauty shops	29.4	29.9	29.6	30.0	-	-	-	-	-	-
73	BUSINESS SERVICES	33.2	32.7	33.1	32.9	-	-	-	-	-	-
731	Advertising	35.6	35.7	35.1	35.3	-	-	-	-	-	-
734	Services to buildings	27.9	27.3	27.3	27.1	-	-	-	-	-	-
737	Computer and data processing services	36.4	36.4	37.5	37.6	-	-	-	-	-	-
75	AUTO REPAIR, SERVICES, AND GARAGES	38.2	37.8	38.6	38.3	-	-	-	-	-	-
753	Automotive repair shops	39.1	38.9	39.6	39.5	-	-	-	-	-	-
76	MISCELLANEOUS REPAIR SERVICES	41.6	41.1	39.9	39.3	-	-	-	-	-	-
78	MOTION PICTURES	27.4	25.5	27.3	26.8	-	-	-	-	-	-
781	Motion picture production and services	39.0	39.1	39.0	38.6	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	31.8	28.9	31.7	32.2	-	-	-	-	-	-
80	HEALTH SERVICES	33.1	32.9	33.3	33.0	-	-	-	-	-	-
801	Offices of physicians	32.4	32.5	32.3	32.1	-	-	-	-	-	-
802	Offices of dentists	28.9	28.4	28.6	28.5	-	-	-	-	-	-
805	Nursing and personal care facilities	30.9	31.0	31.5	31.5	-	-	-	-	-	-
806	Hospitals	34.6	34.1	34.6	34.3	-	-	-	-	-	-
81	LEGAL SERVICES	34.2	34.1	34.3	34.3	-	-	-	-	-	-
89	MISCELLANEOUS SERVICES	38.2	38.2	38.0	38.0	-	-	-	-	-	-
891	Engineering and architectural services	38.9	39.0	38.9	39.0	-	-	-	-	-	-
893	Accounting, auditing, and bookkeeping	37.4	37.4	37.6	37.0	-	-	-	-	-	-

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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
MANUFACTURING	\$7.06	\$7.16	\$7.74	\$7.73	\$7.87
DURABLE GOODS	7.52	7.64	8.26	8.27	8.40
Lumber and wood products	6.47	6.51	6.92	6.89	-
Furniture and fixtures	5.43	5.46	5.78	5.82	-
Stone, clay, and glass products	7.29	7.32	8.00	8.01	-
Primary metal industries	9.57	9.64	10.39	10.58	-
Fabricated metal products	7.26	7.37	7.95	7.98	-
Machinery, except electrical	7.73	7.89	8.53	8.51	-
Electric and electronic equipment	6.83	6.92	7.48	7.54	-
Transportation equipment	9.00	9.17	9.93	9.89	-
Instruments and related products	6.68	6.71	7.25	7.28	-
Miscellaneous manufacturing industries	5.36	5.39	5.87	5.83	-
NONDURABLE GOODS	6.41	6.46	6.98	6.97	7.10
Food and kindred products	6.54	6.58	7.14	7.14	-
Tobacco manufactures	7.64	7.35	9.19	8.37	-
Textile mill products	5.02	5.06	5.31	5.43	-
Apparel and other textile products	4.53	4.62	4.87	4.89	-
Paper and allied products	7.59	7.64	8.28	8.25	-
Printing and publishing	7.37	7.45	7.97	8.00	-
Chemicals and allied products	9.11	8.16	8.82	6.82	-
Petroleum and coal products	9.80	9.88	10.93	10.80	-
Rubber and misc. plastics products	6.43	6.47	7.01	7.06	-
Leather and leather products	4.51	4.53	4.88	4.86	-

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

² Not available as average overtime rates are significantly above time and one-half. Inclusion of data for the group in the nondurable goods total has little effect.

P preliminary

C-4. Gross and spendable average weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division, in current and constant (1977) dollars

Industry	Gross average weekly earnings			Spendable average weekly earnings ²					
	Aug. 1980	July 1981	Aug. 1981P	Worker with no dependents			Married worker with 3 dependents		
				Aug. 1980	July 1981	Aug. 1981P	Aug. 1980	July 1981	Aug. 1981P
TOTAL PRIVATE:									
Current dollars	236.79	257.74	259.88	190.01	203.30	204.79	207.68	222.24	223.85
Constant (1977) dollars	172.21	170.35	170.64	138.19	134.37	134.46	151.04	146.89	146.98
MINING:									
Current dollars	395.71	439.79	446.60	293.89	318.00	322.04	325.23	353.74	358.47
Constant (1977) dollars	287.79	290.67	293.24	213.74	210.18	211.45	236.53	233.80	235.37
CONSTRUCTION:									
Current dollars	374.49	404.90	406.54	281.19	297.29	298.26	310.10	329.55	330.69
Constant (1977) dollars	272.36	267.61	266.93	204.50	196.49	195.84	225.53	217.81	217.13
MANUFACTURING:									
Current dollars	287.62	317.59	319.20	225.11	243.40	244.42	246.25	266.99	268.15
Constant (1977) dollars	209.18	209.91	209.59	163.72	160.87	160.49	179.09	176.46	176.07
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	354.92	385.66	392.43	268.90	285.87	289.89	295.84	316.21	320.90
Constant (1977) dollars	258.12	254.90	257.67	195.56	188.94	190.34	215.16	209.00	210.70
WHOLESALE AND RETAIL TRADE:									
Current dollars	179.52	193.85	193.91	148.50	158.00	158.04	164.90	173.52	173.57
Constant (1977) dollars	130.56	128.12	127.32	108.00	104.43	103.77	119.93	114.69	113.97
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	211.63	227.60	231.87	171.96	182.40	185.36	188.38	199.53	202.74
Constant (1977) dollars	153.91	150.43	152.25	125.06	120.56	121.71	137.00	131.88	133.12
SERVICES:									
Current dollars	192.31	209.22	210.89	157.89	169.12	170.33	173.33	185.41	186.70
Constant (1977) dollars	139.86	138.28	138.47	114.93	111.78	111.84	126.06	122.58	122.59

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

² Spendable earnings are calculated by taking the average weekly pay for all production or nonsupervisory jobs, both full-time and part-time, and then deducting social security and Federal income taxes applicable to a single worker or to a married worker with three dependents who earned this amount (see Explanatory Notes for the establishment data in the back of this publication). A technical note on the calculation and uses of the spendable earnings series is available on request.

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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	Hours				
TOTAL PRIVATE	108.3	108.2	110.7	111.1	109.5
GOODS-PRODUCING	101.5	103.8	103.3	104.6	103.4
MINING	122.0	124.0	138.1	141.7	138.7
CONSTRUCTION	124.7	126.0	122.2	122.1	113.8
MANUFACTURING	96.0	98.5	98.0	99.5	99.7
DURABLE GOODS	93.7	97.3	97.9	98.2	98.6
Lumber and wood products.....	91.6	92.9	93.4	93.1	98.5
Furniture and fixtures.....	90.9	95.6	96.6	100.9	101.3
Stone, clay, and glass products.....	94.4	96.2	95.6	96.2	93.8
Primary metal industries.....	82.9	87.2	92.4	92.6	92.4
Fabricated metal products.....	92.5	95.9	94.9	96.2	96.4
Machinery, except electrical.....	104.8	108.4	108.8	109.0	109.2
Electric and electronic equipment.....	101.0	104.1	106.5	107.8	108.8
Transportation equipment.....	81.1	87.5	86.4	83.0	86.6
Instruments and related products.....	109.7	110.0	110.8	111.9	111.5
Miscellaneous manufacturing industries.....	92.0	93.6	90.2	93.7	94.6
NONDURABLE GOODS	99.4	100.3	98.2	101.5	101.4
Food and kindred products.....	111.9	111.6	100.4	106.9	106.0
Tobacco manufactures.....	95.9	105.3	90.3	112.7	117.7
Textile mill products.....	89.7	91.2	89.8	91.2	89.6
Apparel and other textile products.....	95.6	95.5	93.7	98.4	96.9
Paper and allied products.....	97.4	98.8	100.1	101.0	103.2
Printing and publishing.....	106.1	107.0	107.7	108.9	110.1
Chemicals and allied products.....	98.1	99.2	102.0	101.6	104.8
Petroleum and coal products.....	103.0	104.8	105.9	103.5	103.8
Rubber and misc. plastics products.....	93.6	97.1	100.1	103.0	103.3
Leather and leather products.....	90.2	88.7	87.1	93.7	89.7
SERVICE-PRODUCING	112.0	110.5	114.7	114.7	112.9
TRANSPORTATION AND PUBLIC UTILITIES	106.1	106.9	106.7	106.6	105.7
WHOLESALE AND RETAIL TRADE	107.6	106.3	109.4	109.6	108.1
WHOLESALE TRADE	110.4	110.5	112.9	112.6	111.8
RETAIL TRADE	106.5	104.8	108.0	108.5	106.6
FINANCE, INSURANCE, AND REAL ESTATE	116.6	114.8	120.3	120.3	117.7
SERVICES	118.2	115.9	122.5	122.0	119.9

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

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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. 1980	Sept. 1980	July 1981	Aug. 1981P	Sept. 1981P
	Payrolls				
TOTAL PRIVATE	137.7	139.9	152.7	154.4	153.8
GOODS-PRODUCING	131.5	136.5	146.0	148.3	148.0
MINING	161.0	166.3	201.1	207.0	204.7
CONSTRUCTION	154.5	158.2	161.9	163.8	154.1
MANUFACTURING	123.5	128.8	138.4	140.6	143.1
DURABLE GOODS	120.1	127.1	138.1	138.8	141.2
Lumber and wood products	120.9	123.4	131.2	130.5	125.5
Furniture and fixtures	116.3	123.1	131.5	138.9	139.7
Stone, clay, and glass products	124.0	127.2	138.1	139.1	137.1
Primary metal industries	110.3	117.3	134.6	137.5	139.9
Fabricated metal products	117.3	123.9	132.0	134.8	136.0
Machinery, except electrical	134.2	142.3	153.9	154.1	157.1
Electric and electronic equipment	131.3	137.5	151.9	155.1	158.0
Transportation equipment	103.9	114.6	122.7	117.4	124.3
Instruments and related products	142.2	143.6	155.7	158.2	159.0
Miscellaneous manufacturing industries	115.5	119.8	123.7	128.4	131.1
NONDURABLE GOODS	129.4	131.9	139.0	143.7	146.5
Food and kindred products	143.7	144.0	139.5	149.3	149.9
Tobacco manufactures	135.4	143.0	153.7	175.4	181.2
Textile mill products	117.0	120.1	124.1	130.0	127.4
Apparel and other textile products	121.4	123.7	127.8	135.1	134.9
Paper and allied products	130.6	133.5	146.6	147.1	155.8
Printing and publishing	132.0	135.1	144.7	147.2	152.1
Chemicals and allied products	128.2	130.6	145.3	144.9	152.1
Petroleum and coal products	134.4	138.3	154.4	149.2	152.2
Rubber and misc. plastics products	120.5	126.1	140.8	146.0	147.9
Leather and leather products	115.1	113.6	119.8	128.8	126.1
SERVICE-PRODUCING	142.0	142.4	157.4	158.8	157.9
TRANSPORTATION AND PUBLIC UTILITIES	135.7	137.9	147.9	150.3	150.8
WHOLESALE AND RETAIL TRADE	138.1	138.2	151.2	152.0	151.3
WHOLESALE TRADE	143.3	144.8	159.9	159.7	158.9
RETAIL TRADE	135.4	134.7	147.1	147.9	147.2
FINANCE, INSURANCE, AND REAL ESTATE	149.6	148.4	166.0	168.7	164.6
SERVICES	147.6	147.7	166.9	168.2	167.1

**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	1980				1981								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. p	Sept. p
TOTAL PRIVATE	35.3	35.3	35.3	35.3	35.3	35.2	35.3	35.4	35.3	35.2	35.3	35.2	34.9
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	39.6	39.7	39.8	39.9	40.1	39.8	39.9	40.2	40.3	40.1	40.0	40.0	39.1
<i>Overtime hours</i>	2.7	2.8	3.0	3.0	3.0	2.8	2.8	2.9	3.2	3.0	3.0	3.0	2.6
DURABLE GOODS	40.1	40.1	40.4	40.4	40.6	40.1	40.4	40.8	40.8	40.5	40.5	40.5	39.4
<i>Overtime hours</i>	2.7	2.8	3.0	3.1	3.0	2.8	2.8	3.0	3.2	3.0	3.0	3.0	2.5
Lumber and wood products	38.7	38.6	39.1	39.3	39.8	39.1	39.1	39.6	39.8	39.0	38.8	38.6	37.6
Furniture and fixtures	38.1	38.0	38.0	38.4	38.5	38.6	38.6	38.8	39.0	38.9	38.5	38.7	38.1
Stone, clay, and glass products	40.8	40.8	40.9	41.0	41.3	40.6	40.7	41.2	41.0	40.8	40.9	40.8	39.6
Primary metal industries	39.7	40.1	40.8	41.2	41.1	40.7	41.0	41.2	41.0	40.8	40.5	40.8	39.6
Fabricated metal products	40.4	40.4	40.5	40.4	40.5	40.2	40.4	40.9	40.9	40.7	40.5	40.5	39.5
Machinery, except electrical	40.9	40.8	41.0	40.9	41.1	40.8	40.9	41.3	41.4	41.1	41.1	41.2	39.8
Electric and electronic equipment	39.6	39.8	39.9	40.0	40.1	39.6	40.0	40.2	40.4	40.2	40.5	40.3	39.5
Transportation equipment	40.7	40.7	41.2	41.0	41.3	40.5	40.9	42.0	41.8	41.4	41.2	41.3	39.8
Instruments and related products	40.2	40.3	40.4	40.4	40.6	40.5	40.5	40.1	40.4	40.4	40.5	40.6	39.9
Miscellaneous manufacturing and	38.8	38.6	38.6	38.9	38.8	38.6	38.7	38.9	39.2	39.1	39.2	38.9	38.4
NONDURABLE GOODS	38.9	39.0	39.1	39.2	39.5	39.2	39.2	39.3	39.6	39.4	39.3	39.3	38.8
<i>Overtime hours</i>	2.8	2.8	2.9	2.9	3.0	2.9	2.8	2.9	3.1	3.0	2.9	2.9	2.8
Food and kindred products	39.7	39.6	39.8	39.7	40.3	39.9	39.7	40.1	40.0	39.8	39.4	39.4	38.8
Tobacco manufactures	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products	39.8	39.8	39.9	40.1	40.0	40.0	39.9	39.8	40.5	40.2	40.4	40.2	38.7
Apparel and other textile products	35.2	35.4	35.2	35.5	36.1	35.6	35.7	35.5	36.0	36.1	35.9	36.1	35.2
Paper and allied products	42.2	42.2	42.4	42.8	42.6	42.4	42.4	42.6	42.8	42.7	42.7	42.6	42.9
Printing and publishing	36.9	37.1	36.8	37.4	37.5	37.3	37.1	37.3	37.6	37.4	37.3	37.3	37.2
Chemicals and allied products	41.4	41.5	41.6	41.6	41.6	41.6	41.5	41.5	41.7	41.7	41.8	41.7	42.3
Petroleum and coal products	42.4	42.8	42.9	43.2	43.8	43.8	43.5	44.1	43.8	43.4	43.1	42.8	42.9
Rubber and misc. plastics products	40.2	40.5	40.8	40.8	40.9	40.3	40.5	40.7	41.3	41.0	40.5	40.6	39.6
Leather and leather products	36.4	36.7	36.3	36.6	36.8	37.0	37.1	36.6	37.1	37.4	36.5	37.1	35.9
TRANSPORTATION AND PUBLIC UTILITIES	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
WHOLESALE AND RETAIL TRADE	32.1	32.1	32.2	32.1	32.2	32.2	32.2	32.3	32.1	32.1	32.2	32.1	32.1
WHOLESALE TRADE	38.5	38.5	38.5	38.6	38.8	38.6	38.6	38.6	38.5	38.5	38.7	38.5	38.5
RETAIL TRADE	30.1	30.1	30.2	30.0	30.1	30.2	30.2	30.3	30.1	30.1	30.1	30.1	30.1
FINANCE, INSURANCE, AND REAL ESTATE	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
SERVICES	32.6	32.6	32.7	32.7	32.7	32.8	32.8	32.8	32.7	32.5	32.5	32.4	32.4

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

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

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ESTABLISHMENT DATA SEASONALLY ADJUSTED

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

(1977=100)

Industry division and group	1980				1981								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug. p	Sept. p
TOTAL PRIVATE	107.1	107.4	107.7	107.9	108.2	107.9	108.4	108.9	108.9	108.7	109.4	109.4	108.4
GOODS-PRODUCING	101.3	101.7	102.0	102.3	102.4	100.9	102.4	102.8	103.1	102.6	103.5	103.4	100.8
MINING	123.1	124.0	126.6	130.1	130.1	128.6	128.2	112.0	113.3	128.0	136.5	139.8	136.6
CONSTRUCTION	117.6	117.7	114.4	115.6	113.9	109.1	116.6	115.8	112.9	109.3	110.9	110.1	104.2
MANUFACTURING	97.2	97.6	98.4	98.5	98.9	98.0	98.4	99.9	100.7	100.2	100.5	100.4	98.5
DURABLE GOODS	96.8	97.3	98.6	98.5	99.0	97.8	98.6	100.7	101.1	100.6	100.9	100.9	98.3
Lumber and wood products	89.5	89.1	90.6	91.7	93.2	91.7	91.9	94.5	96.1	92.9	92.5	89.8	86.2
Furniture and fixtures	95.1	95.1	95.1	96.4	96.6	97.4	97.4	100.5	102.6	102.6	102.3	102.8	100.7
Stone, clay, and glass products	93.9	93.9	94.5	94.1	94.6	92.8	92.7	94.8	94.5	93.9	94.5	94.4	91.5
Primary metal industries	86.9	89.3	92.6	94.6	94.6	94.0	94.7	95.7	94.8	94.6	93.5	94.7	92.0
Fabricated metal products	95.6	95.9	96.4	96.1	96.2	95.3	96.2	98.2	98.7	98.4	98.8	98.4	95.9
Machinery, except electrical	109.0	109.1	109.8	109.3	109.8	108.7	109.1	110.5	111.8	111.5	111.7	112.9	109.8
Electric and electronic equipment	103.7	104.6	105.3	106.1	106.5	105.3	107.0	108.4	109.6	109.2	110.9	110.5	108.4
Transportation equipment	87.9	88.2	91.3	88.3	89.1	86.8	88.7	93.3	92.2	91.9	91.1	91.7	88.4
Instruments and related products	110.9	111.4	111.7	112.0	112.3	111.2	111.5	110.9	112.0	111.7	113.3	113.3	112.4
Miscellaneous manufacturing ind	90.9	89.5	90.1	90.8	91.2	90.7	90.6	92.0	92.4	92.2	95.4	92.3	91.1
NONDURABLE GOODS	97.7	98.0	98.0	98.4	98.9	98.3	98.1	98.7	100.1	99.5	99.8	99.6	98.8
Food and kindred products	100.7	100.4	100.3	99.7	100.9	100.4	99.0	100.5	100.8	98.1	98.4	97.1	95.9
Tobacco manufactures	95.6	100.1	102.2	97.1	98.4	98.1	96.5	96.5	98.4	98.3	103.2	109.6	105.7
Textile mill products	91.1	91.3	91.3	91.6	91.2	90.9	90.7	90.7	92.6	92.1	93.7	92.6	89.7
Apparel and other textile products	94.4	94.6	93.9	94.4	95.4	94.0	94.3	94.1	96.0	96.8	97.6	97.2	95.9
Paper and allied products	98.4	98.8	99.4	100.4	99.9	99.2	99.1	99.9	100.8	100.7	100.9	101.1	103.1
Printing and publishing	106.6	107.0	106.3	108.5	108.5	108.2	107.8	108.5	109.5	108.8	108.8	109.3	109.7
Chemicals and allied products	99.8	99.9	100.5	100.6	100.8	101.1	101.0	101.2	102.0	102.5	102.4	102.2	105.3
Petroleum and coal products	101.3	102.2	102.5	102.4	104.6	104.6	103.9	105.3	105.4	102.9	102.2	100.7	99.4
Rubber and misc. plastics products	96.7	98.3	99.4	100.0	100.4	99.3	100.1	102.2	105.3	104.7	103.6	105.1	102.6
Leather and leather products	88.5	88.8	87.8	88.1	88.5	89.5	89.3	88.5	90.6	91.4	91.4	92.5	89.0
SERVICE-PRODUCING	110.3	110.6	110.9	111.0	111.3	111.7	111.8	112.3	112.0	112.1	112.6	112.7	112.6
TRANSPORTATION AND PUBLIC UTILITIES	106.0	106.3	105.7	106.6	105.0	105.4	105.1	105.4	104.9	106.2	106.0	106.1	104.8
WHOLESALE AND RETAIL TRADE	106.0	106.1	106.3	105.9	106.6	106.8	106.9	107.2	106.9	107.0	107.8	107.8	107.8
WHOLESALE TRADE	110.5	110.6	110.5	110.9	111.5	111.1	111.1	111.4	111.4	111.3	112.3	111.9	111.9
RETAIL TRADE	104.3	104.3	104.7	103.9	104.7	105.2	105.4	105.6	105.2	105.3	106.0	106.3	106.2
FINANCE, INSURANCE, AND REAL ESTATE	114.9	115.9	116.2	116.5	117.3	117.4	117.5	117.8	117.4	117.6	118.1	119.0	118.3
SERVICES	115.8	116.0	116.9	117.3	117.7	118.2	118.4	119.3	119.2	118.7	119.3	119.1	119.5

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

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**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	1980				1981								
	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)	129.4	130.6	132.1	132.6	133.8	135.0	135.8	136.7	137.7	138.4	139.0	140.6	141.0
MINING ³	136.7	137.5	139.2	139.8	142.1	143.2	144.0	145.7	145.6	147.2	148.9	149.3	150.4
CONSTRUCTION	123.1	124.4	125.2	126.2	127.6	128.0	128.6	129.0	129.4	130.4	131.8	132.6	132.4
MANUFACTURING	132.3	133.5	134.6	135.4	136.5	137.5	138.5	139.9	140.7	141.6	142.5	143.5	145.1
TRANSPORTATION AND PUBLIC UTILITIES	128.1	130.9	132.6	132.8	133.7	135.4	136.1	137.3	138.9	139.8	139.3	141.2	141.6
WHOLESALE AND RETAIL TRADE	129.9	130.8	132.3	132.4	133.7	135.0	135.8	136.4	137.4	137.8	138.4	139.7	139.9
FINANCE, INSURANCE, AND REAL ESTATE	129.1	129.9	132.4	131.9	133.2	135.0	136.0	135.4	136.8	137.1	137.4	140.4	139.9
SERVICES	127.3	128.5	130.5	131.1	132.0	133.2	134.0	134.8	136.0	136.6	136.9	139.5	139.1
TOTAL PRIVATE (In 1977 dollars) ⁴	93.3	93.2	93.3	92.7	92.8	92.7	92.8	93.0	93.1	92.9	92.2	92.6	-
Average hourly earnings													
TOTAL PRIVATE	\$6.76	\$6.83	\$6.90	\$6.94	\$6.99	\$7.04	\$7.09	\$7.14	\$7.18	\$7.23	\$7.26	\$7.34	\$7.34
MINING	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
CONSTRUCTION	\$10.05	\$10.15	\$10.21	\$10.30	\$10.39	\$10.44	\$10.49	\$10.52	\$10.57	\$10.69	\$10.77	\$10.85	\$10.83
MANUFACTURING	7.41	7.49	7.59	7.63	7.69	7.74	7.80	7.90	7.95	7.99	8.02	8.08	8.14
TRANSPORTATION AND PUBLIC UTILITIES	8.94	9.12	9.20	9.26	9.33	9.44	9.48	9.57	9.67	9.74	9.71	9.85	9.89
WHOLESALE AND RETAIL TRADE	5.57	5.61	5.66	5.69	5.72	5.78	5.81	5.84	5.89	5.91	5.93	5.98	6.00
FINANCE, INSURANCE, AND REAL ESTATE	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
SERVICES	\$5.94	\$6.00	\$6.07	\$6.11	\$6.15	\$6.20	\$6.24	\$6.27	\$6.32	\$6.38	\$6.42	\$6.51	\$6.49
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars	238.63	241.10	243.57	244.98	246.75	247.81	250.28	252.76	253.45	254.50	256.28	258.37	256.17
1977 dollars ⁴	172.05	172.09	171.89	171.19	171.12	170.20	170.96	172.06	171.37	170.92	170.06	170.20	-
Real spendable earnings (married worker with 3 dependents, 1977 dollars) ^{4, 6}	150.74	150.57	150.20	149.48	148.38	147.49	147.96	148.73	148.07	147.62	146.74	146.71	-

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.

⁶ See footnote 2, table C-4.
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 r1981	AUGUST r1981	SEPTEMBER p1981	Sept. 1980 to Sept. 1981	July 1981 to Aug. 1981	Aug. 1981 to Sept. 1981
TOTAL	171,092	171,392	167,508	-0.9	0.2	-2.3
PRIVATE SECTOR	139,943	140,212	139,472	1.5	0.2	-0.5
MINING	2,539	2,601	2,547	12.9	2.5	-2.1
CONSTRUCTION	8,125	8,069	7,720	-8.7	-0.7	-4.3
MANUFACTURING	42,290	42,311	41,819	1.5	0.0	-1.2
DURABLE GOODS	25,679	25,704	25,317	1.7	0.1	-1.5
NONDURABLE GOODS	16,611	16,606	16,502	1.2	0.0	-0.6
TRANSPORTATION AND PUBLIC UTILITIES	10,591	10,572	10,467	-1.0	-0.2	-1.0
WHOLESALE AND RETAIL TRADE	34,726	34,909	35,041	2.0	0.5	0.4
FINANCE, INSURANCE, AND REAL ESTATE	10,079	10,125	10,084	2.8	0.5	-0.4
SERVICES	31,594	31,625	31,793	3.5	0.1	0.5
GOVERNMENT	31,149	31,180	28,036	-11.5	0.1	-10.1

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										
			1978	1979				1980				1981	
	1979	1980	IV	I	II	III	IV	I	II	III	IV	I	II
PRIVATE BUSINESS SECTOR:													
Output per hour of all persons	99.5	99.3	99.9	99.7	99.7	99.4	99.1	99.5	99.1	99.4	99.1	100.3	r101.0
Output	107.7	106.8	106.7	107.7	107.1	107.7	108.2	108.7	105.4	105.7	107.5	109.5	r109.3
Hours	108.2	107.5	106.8	108.1	107.4	108.4	109.1	109.2	106.4	106.3	108.4	109.2	108.2
Compensation per hour	119.3	131.4	111.9	115.0	118.1	120.7	123.2	126.4	130.1	133.1	135.9	139.7	143.2
Real compensation per hour	99.6	96.6	100.3	100.6	100.3	99.2	98.0	96.7	96.5	96.9	96.0	96.1	96.8
Unit labor costs	119.9	132.3	112.1	115.4	118.5	121.4	124.3	127.0	131.3	133.9	137.0	139.4	r141.8
Unit nonlabor payments	110.9	118.4	109.1	109.6	110.4	111.5	112.2	115.2	116.0	119.7	122.7	127.6	r129.2
Implicit price deflator	116.9	127.6	111.1	113.4	115.8	118.1	120.2	123.0	126.1	129.1	132.2	135.4	r137.6
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	99.1	98.8	99.8	99.5	99.1	98.9	98.8	98.9	98.2	99.0	99.0	100.0	r100.2
Output	107.7	106.8	106.8	107.9	107.1	107.8	108.2	108.5	105.1	105.8	107.7	109.7	r109.2
Hours	108.7	108.1	107.1	108.4	108.0	109.0	109.4	109.8	107.1	106.9	108.8	109.7	109.0
Compensation per hour	119.0	130.8	111.9	114.9	117.7	120.2	123.0	126.0	129.4	132.3	135.4	139.1	142.4
Real compensation per hour	99.3	96.2	100.3	100.4	100.0	98.8	97.8	96.4	96.0	96.3	95.6	95.7	96.3
Unit labor costs	120.0	132.4	112.2	115.4	118.7	121.5	124.4	127.4	131.8	133.6	136.8	139.1	r142.1
Unit nonlabor payments	108.5	117.5	107.0	107.1	107.7	109.2	110.1	113.9	115.1	119.2	122.0	127.8	r128.6
Implicit price deflator	116.2	127.4	110.5	112.6	115.1	117.4	119.7	122.9	126.3	128.8	131.9	135.3	r137.6
MANUFACTURING:													
Output per hour of all persons	102.0	101.7	102.0	101.5	102.3	102.0	102.1	102.0	100.8	100.5	103.4	104.2	105.3
Output	108.6	103.6	108.3	109.3	108.5	108.5	108.3	108.0	101.7	99.7	105.2	107.1	r108.1
Hours	106.5	101.9	106.2	107.7	106.1	106.4	106.0	105.9	100.9	99.2	101.8	102.8	102.6
Compensation per hour	118.8	131.6	111.5	114.5	118.6	119.8	122.3	125.4	130.0	133.9	137.3	140.9	144.5
Real compensation per hour	99.2	96.8	100.0	100.2	100.7	98.5	97.2	95.9	96.4	97.5	97.0	96.9	97.7
Unit labor costs	116.5	129.4	109.3	112.9	115.9	117.5	119.8	122.9	129.0	133.3	132.8	135.3	r137.3
DURABLE GOODS													
Output per hour of all persons	100.7	99.6	101.9	100.7	101.6	100.1	100.4	99.8	99.0	98.1	101.4	102.5	r103.9
Output	110.2	102.9	110.9	111.7	110.3	109.5	109.1	108.3	100.8	97.8	104.5	106.7	r108.0
Hours	109.3	103.3	108.9	110.8	108.6	109.4	108.5	108.5	101.9	99.8	103.1	104.1	r104.0
Compensation per hour	118.4	131.7	111.1	114.1	118.4	119.3	121.5	125.1	129.9	134.1	137.7	141.4	r145.0
Real compensation per hour	98.8	96.8	99.6	99.8	100.6	98.1	96.6	95.7	96.4	97.6	97.3	97.2	98.0
Unit labor costs	117.5	132.2	109.0	113.3	116.6	119.2	121.1	125.3	131.3	136.7	135.9	138.0	139.6
NONDURABLE GOODS													
Output per hour of all persons	104.0	104.9	102.2	102.6	103.5	105.0	104.9	105.5	103.5	104.1	106.5	106.8	r107.5
Output	106.4	104.8	104.5	105.7	105.9	107.0	107.0	107.5	102.9	102.4	106.4	107.8	r108.1
Hours	102.3	99.9	102.2	103.0	102.2	101.9	102.0	101.9	99.4	98.4	99.9	100.9	100.6
Compensation per hour	118.8	131.0	111.6	114.5	118.2	119.9	122.9	125.0	129.6	133.3	136.0	139.6	143.2
Real compensation per hour	99.2	96.3	100.1	100.1	100.4	98.6	97.7	95.7	96.2	97.1	96.1	96.0	96.8
Unit labor costs	114.3	124.9	109.2	111.5	114.1	114.2	117.2	118.6	125.2	128.1	127.7	130.7	r133.2
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	100.4	101.0	100.5	100.6	100.7	100.5	99.9	100.2	100.1	101.8	101.8	103.3	p103.6
Output	109.3	108.5	108.0	109.5	109.0	109.4	109.3	109.9	106.8	107.7	109.7	112.8	p112.4
Hours	108.8	107.5	107.5	108.9	108.3	108.9	109.4	109.6	106.7	105.8	107.8	109.1	p108.5
Compensation per hour	118.7	130.7	111.5	114.5	117.6	120.1	122.7	125.7	129.3	132.5	135.5	139.2	p142.3
Real compensation per hour	99.1	96.2	99.9	100.1	99.9	98.7	97.5	96.2	95.9	96.5	95.7	95.7	p 96.2
Total unit costs	116.8	129.7	109.6	112.2	115.3	118.2	121.3	124.2	129.2	131.1	134.1	136.0	p139.2
Unit labor costs	118.2	129.4	111.0	113.8	116.8	119.5	122.8	125.4	129.1	130.2	133.1	134.7	p137.4
Unit nonlabor costs	112.7	130.2	106.0	107.8	111.2	114.6	117.2	120.9	129.3	133.8	136.9	139.5	p144.4
Unit profits	99.0	90.2	108.9	105.6	100.7	97.5	92.2	95.5	83.4	89.1	92.4	106.8	p101.2
Implicit price deflator	114.8	125.2	109.6	111.5	113.7	115.9	118.1	121.0	124.1	126.4	129.5	132.7	p135.0

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					
	IV 1979 to I 1980	I 1980 to II 1980	II 1980 to III 1980	III 1980 to IV 1980	IV 1980 to I 1981	I 1981 to II 1981	I 1979 to I 1980	II 1979 to II 1980	III 1979 to III 1980	IV 1979 to IV 1980	I 1980 to I 1981	II 1980 to II 1981
PRIVATE BUSINESS SECTOR:												
Output per hour of all persons	1.6	-1.8	1.3	-1.1	4.6	r2.8	-0.1	-0.6	0.0	0.0	0.7	r1.9
Output	1.8	-11.5	1.1	6.9	7.9	r-0.9	0.9	-1.6	-1.9	-0.7	0.8	r3.7
Hours	0.2	-9.9	-0.2	8.1	3.1	-3.7	1.0	-1.0	-1.9	-0.7	0.0	1.7
Compensation per hour	10.7	12.3	9.5	8.6	11.8	r10.4	9.9	10.1	10.3	10.3	10.5	10.1
Real compensation per hour	-5.0	-0.7	1.6	-3.8	0.4	3.1	-3.8	-3.8	-2.3	-2.0	-0.7	0.3
Unit labor costs	9.0	14.4	8.1	9.8	6.9	r7.3	10.0	10.8	10.3	10.3	9.7	r8.0
Unit nonlabor payments	11.2	2.6	13.7	10.2	17.2	r5.0	5.1	5.1	7.4	9.3	10.8	r11.4
Implicit price deflator	9.7	10.5	9.8	9.9	10.0	r6.6	8.4	9.0	9.4	10.0	10.1	r9.1
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	0.3	-2.9	3.6	-0.2	4.3	r0.7	-0.7	-1.0	0.1	0.1	1.1	r2.1
Output	1.4	-12.1	2.9	7.1	7.9	r-1.9	0.6	-1.9	-1.8	-0.5	1.1	r3.9
Hours	1.1	-9.5	-0.7	7.3	3.5	-2.6	1.3	-0.9	-1.9	-0.6	0.0	1.8
Compensation per hour	10.2	11.3	9.0	9.8	11.6	9.6	9.7	9.9	10.1	10.1	10.4	10.0
Real compensation per hour	5.4	-1.6	1.2	-2.7	0.2	2.4	-4.0	-4.0	-2.5	-2.2	-0.8	0.2
Unit labor costs	9.9	14.6	5.3	10.1	7.0	r8.8	10.4	11.0	9.9	9.9	9.2	r7.8
Unit nonlabor payments	14.6	4.2	15.0	9.9	20.3	r2.7	6.4	6.9	9.1	10.8	12.2	r11.8
Implicit price deflator	11.3	11.3	8.2	10.0	11.0	r6.9	9.1	9.7	9.6	10.2	10.1	r9.0
MANUFACTURING:												
Output per hour of all persons	-0.5	-4.7	-1.2	12.1	3.2	r4.3	0.5	-1.5	-1.5	1.2	2.2	4.5
Output	-1.0	-21.5	-7.6	24.4	7.3	r3.5	-1.2	-6.3	-8.2	-2.8	-0.8	r6.3
Hours	-0.6	-17.6	-6.5	11.0	4.0	r-0.8	-1.7	-4.9	-6.7	-4.0	-2.9	1.7
Compensation per hour	10.4	15.5	12.7	10.5	11.1	r10.6	9.4	9.6	11.7	12.3	12.4	11.2
Real compensation per hour	-5.3	2.1	4.5	-2.2	-0.3	r3.4	-4.2	-4.3	-1.0	-0.3	1.0	1.3
Unit labor costs	10.9	21.2	14.0	-1.5	7.7	6.0	8.9	11.3	13.4	10.9	10.0	6.4
DURABLE GOODS												
Output per hour of all persons	-2.2	-3.4	-3.5	14.1	4.4	r5.7	-0.9	-2.6	-2.1	1.0	2.7	r5.0
Output	-2.9	-25.0	-11.2	30.1	8.5	r5.2	-3.0	-8.7	-10.7	-4.2	-1.5	r7.2
Hours	-0.8	-22.4	-8.0	14.0	4.0	r-0.5	-2.1	-6.2	-8.8	-5.2	-4.1	r2.1
Compensation per hour	12.3	16.5	13.4	11.3	11.1	r10.6	9.6	9.7	12.4	13.3	13.0	r11.6
Real compensation per hour	-3.7	2.9	5.2	-1.4	-0.3	r3.3	-4.1	-4.1	-0.5	0.7	1.6	r1.7
Unit labor costs	14.8	20.5	17.6	-2.5	6.4	r4.6	10.7	12.6	14.7	12.2	10.1	6.3
NONDURABLE GOODS												
Output per hour of all persons	2.2	-7.2	2.2	9.5	1.4	r2.4	2.7	0.0	-0.9	1.5	1.3	r3.8
Output	1.9	-15.9	-2.2	16.5	5.6	r1.1	1.7	-2.8	-4.3	-0.6	0.3	r5.0
Hours	-0.3	-9.4	-4.3	6.4	4.1	r-1.2	-1.0	-2.7	-3.5	-2.1	-1.0	r1.2
Compensation per hour	7.0	15.6	11.9	8.2	11.2	r10.6	9.2	9.7	11.2	10.6	11.7	r10.5
Real compensation per hour	-8.2	2.2	3.8	-4.2	-0.2	r3.4	-4.4	-4.1	-1.5	-1.7	0.4	0.6
Unit labor costs	4.7	24.5	9.5	-1.2	9.6	r8.0	6.3	9.7	12.2	9.0	10.2	r6.4
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	1.5	-0.5	6.7	0.0	6.3	p0.9	-0.3	-0.5	1.3	1.9	3.1	p3.4
Output	2.2	-10.9	3.4	7.9	11.5	p-1.3	0.4	-2.0	-1.6	0.4	2.6	p5.3
Hours	0.7	-10.5	-3.1	7.9	4.8	p-2.2	0.7	-1.5	-2.8	-1.5	-0.5	p1.7
Compensation per hour	10.2	12.0	10.2	9.4	11.4	p9.2	9.8	9.9	10.3	10.4	10.8	p10.1
Real compensation per hour	-5.4	-1.0	2.2	-3.1	0.0	p2.1	-3.9	-3.9	-2.2	1.9	-0.5	p0.3
Total unit costs	9.8	17.0	6.2	9.4	5.6	p10.0	10.6	12.0	11.0	10.5	9.5	p7.8
Unit labor costs	8.6	12.6	3.2	9.4	4.8	p8.3	10.1	10.5	8.9	8.4	7.4	p6.4
Unit nonlabor costs	13.5	30.6	14.7	9.5	7.9	p14.9	12.2	16.3	16.8	16.8	15.4	p11.7
Unit profits	15.3	-41.9	30.3	15.7	77.9	p-19.4	-9.5	-17.2	-8.6	0.3	11.8	p21.3
Implicit price deflator	10.3	10.5	7.9	9.9	10.4	p7.1	8.5	9.1	9.1	9.6	9.7	p8.8

p=preliminary.
r=revised.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P
ALABAMA	\$256.71	\$281.60	\$283.71	39.8	40.0	40.3	\$6.45	\$7.04	\$7.04
Birmingham	285.92	315.51	305.62	38.9	39.3	38.8	7.35	8.13	7.98
Mobile	327.29	368.88	372.80	41.8	42.4	41.7	7.83	8.70	8.94
ALASKA	465.41	455.03	(*)	51.2	48.1	(*)	9.09	9.46	(*)
ARIZONA	293.53	311.46	321.44	40.1	38.5	39.2	7.32	8.09	8.20
Phoenix	293.62	303.00	320.36	40.5	38.5	39.6	7.25	7.87	8.09
Tucson	281.86	305.36	312.86	38.4	38.9	38.2	7.34	7.85	8.19
ARKANSAS	226.37	245.08	251.63	39.3	39.6	40.1	5.76	6.29	6.28
Fayetteville—Springdale	209.99	198.01	200.01	41.5	34.8	35.4	5.06	5.69	5.65
Fort Smith	218.83	255.15	245.15	37.6	38.6	37.6	5.82	6.61	6.52
Little Rock—North Little Rock	255.06	276.01	285.53	39.0	39.6	40.5	6.54	6.57	7.05
Pine Bluff	325.98	322.28	333.63	41.9	41.8	42.5	7.78	7.71	7.85
CALIFORNIA	310.08	337.82	346.66	39.5	39.1	39.8	7.85	8.64	8.71
Anaheim—Santa Ana—Garden Grove	293.53	324.82	325.64	40.1	40.2	40.2	7.32	8.08	8.20
Bakersfield	329.51	355.85	360.00	39.7	40.3	40.0	8.30	8.83	9.00
Fresno	283.87	283.19	305.71	39.1	36.4	38.6	7.26	7.78	7.92
Los Angeles—Long Beach	252.99	321.55	324.39	39.7	39.6	39.9	7.38	8.13	8.13
Modesto	328.78	326.32	351.54	41.2	38.3	40.5	7.98	8.52	8.68
Oxnard—Simi Valley—Ventura	263.93	281.99	295.11	38.7	37.8	39.4	6.82	7.46	7.49
Riverside—San Bernardino—Ontario	300.29	336.66	330.00	38.4	39.7	39.1	7.82	8.48	8.44
Sacramento	347.94	348.84	368.74	40.6	38.0	40.7	8.57	9.18	9.06
Salinas—Seaside—Monterey	278.99	313.12	285.26	37.1	38.8	35.8	7.52	8.07	8.08
San Diego	293.61	325.54	323.75	39.2	39.7	39.1	7.49	8.20	8.28
San Francisco—Oakland	365.59	415.66	417.25	39.1	39.7	39.7	9.35	10.47	10.51
San Jose	327.60	345.32	361.00	40.0	38.8	40.2	8.19	8.90	8.98
Santa Barbara—Santa Maria—Lompoc	259.24	293.71	296.78	37.3	37.8	38.0	6.95	7.77	7.81
Santa Rosa	282.57	297.99	320.62	39.3	38.6	41.0	7.19	7.72	7.82
Stockton	334.03	352.29	368.51	40.1	39.1	40.9	8.33	9.01	9.01
Vallejo—Fairfield—Napa	321.98	391.39	393.79	38.7	39.1	39.3	8.32	10.01	10.02
COLORADO	302.18	321.53	326.36	39.5	39.5	39.8	7.65	8.14	8.20
Denver—Boulder	302.18	316.71	324.32	39.5	39.1	39.6	7.65	8.10	8.19
CONNECTICUT	254.47	317.55	316.77	41.3	41.4	41.3	7.13	7.68	7.67
Bridgeport	307.65	341.91	334.65	41.8	42.9	42.2	7.36	7.97	7.93
Hartford	323.94	328.86	334.14	42.4	40.5	41.1	7.64	8.12	8.13
New Britain	297.34	331.57	323.18	40.9	42.4	41.7	7.27	7.82	7.75
New Haven—West Haven	282.98	303.75	302.76	40.6	40.5	40.1	6.97	7.50	7.55
Stamford	276.75	298.19	296.84	41.0	41.3	41.0	6.75	7.22	7.24
Waterbury	242.79	267.73	272.90	40.6	41.0	41.6	5.98	6.53	6.56
DELAWARE	296.91	359.09	327.65	39.8	42.8	40.5	7.46	8.39	8.09
Wilmington	351.35	385.97	372.24	39.7	40.5	39.6	8.85	9.53	9.40
DISTRICT OF COLUMBIA:									
Washington SMSA	338.04	352.56	358.64	38.9	38.7	39.1	8.69	9.11	9.18
FLORIDA	247.25	270.40	265.06	40.8	40.6	40.1	6.06	6.66	6.61
Fort Lauderdale—Hollywood	221.60	246.36	245.66	39.5	35.8	40.3	5.61	6.19	6.20
Jacksonville	291.99	319.18	310.48	41.3	42.5	41.9	7.07	7.51	7.41
Lakeland—Winter Haven	295.31	311.75	305.02	43.3	43.0	43.1	6.82	7.25	7.17
Miami	209.48	215.99	215.73	39.9	38.5	38.8	5.25	5.61	5.56
Orlando	264.09	296.77	256.77	41.2	42.7	42.7	6.41	6.95	6.95
Pensacola	292.58	330.79	334.11	40.3	42.3	42.4	7.26	7.82	7.88
Tampa—St. Petersburg	254.20	266.90	261.74	41.2	40.5	39.9	6.17	6.59	6.56
West Palm Beach—Boca Raton	260.52	295.82	285.07	39.0	41.2	40.6	6.68	7.18	7.12
GEORGIA	233.02	245.54	258.32	39.9	39.8	40.3	5.84	6.28	6.41
Atlanta	262.82	294.19	295.32	38.2	40.3	39.8	6.88	7.30	7.42
Savannah	342.27	349.80	356.60	44.8	43.4	44.0	7.64	8.06	8.15
HAWAII	252.13	261.30	285.17	37.8	36.7	38.2	6.67	7.12	7.57
Honolulu	250.14	245.12	276.35	37.9	36.0	36.7	6.60	6.92	7.53
IDAHO	251.31	325.16	326.10	37.3	37.9	38.9	7.81	8.58	8.64
Boise City	274.82	278.21	291.95	39.6	37.8	39.4	6.94	7.36	7.41

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. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P
ILLINOIS	\$319.53	\$359.68	\$362.80	39.4	39.7	40.0	\$8.11	\$9.06	\$9.07
Bloomington—Normal	286.03	335.36	324.10	38.6	39.5	38.4	7.41	8.49	8.44
Champaign—Urbana—Rantoul	221.32	324.69	320.53	31.8	39.5	38.9	6.96	8.22	8.25
Chicago SMSA	299.10	325.70	333.08	39.2	39.1	39.7	7.63	8.33	8.39
Davenport—Rock Island—Moline	385.73	446.53	430.42	39.4	40.3	39.2	9.79	11.09	10.98
Decatur	348.38	411.65	429.66	37.5	38.4	39.6	9.29	10.72	10.85
Kankakee	276.95	301.64	298.13	39.1	37.8	37.5	7.06	7.98	7.95
Peoria	375.44	470.37	478.40	38.0	39.1	39.9	9.88	12.03	11.99
Rockford	305.76	372.60	365.15	39.2	40.5	40.3	7.60	9.20	9.16
Springfield	320.74	392.40	411.12	39.5	40.0	39.8	8.12	9.81	10.33
INDIANA	352.42	376.27	375.63	39.2	40.2	40.3	8.48	9.36	9.42
Gary—Hammond—East Chicago	433.96	493.25	(*)	38.1	40.2	(*)	11.39	12.27	(*)
Indianapolis	332.77	377.81	(*)	39.9	40.8	(*)	8.34	9.26	(*)
IOWA	329.26	373.26	368.06	38.6	38.8	38.5	8.53	9.62	9.56
Cedar Rapids	338.30	355.13	370.74	38.4	37.5	38.3	8.81	9.47	9.68
Des Moines	350.87	388.88	424.27	38.6	38.2	40.6	9.09	10.18	10.45
Dubuque	372.50	418.73	417.48	37.4	38.7	39.2	9.96	10.82	10.65
Sioux City	338.25	294.12	326.70	41.2	38.7	43.1	8.21	7.60	7.58
Waterloo—Cedar Falls	405.68	512.23	468.50	38.2	39.8	39.3	10.62	12.87	12.43
KANSAS	294.33	318.37	328.04	40.1	39.5	40.3	7.34	8.06	8.14
Topeka	315.22	332.87	354.12	39.8	39.3	39.7	7.92	8.47	8.92
Wichita	334.14	360.29	361.68	40.6	41.7	41.1	8.23	8.64	8.80
KENTUCKY	288.28	310.08	308.10	38.8	39.4	39.0	7.43	7.87	7.90
Lexington—Fayette	276.91	313.96	315.15	38.3	37.6	38.2	7.23	8.35	8.25
Louisville	339.37	368.28	375.86	39.6	39.9	39.9	8.57	9.23	9.42
LOUISIANA	317.87	350.55	365.03	40.7	41.0	42.2	7.81	8.55	8.65
Baton Rouge	411.60	456.62	448.28	42.0	43.2	41.7	9.80	10.57	10.75
New Orleans	314.00	345.37	372.38	40.0	40.3	41.7	7.85	8.57	8.93
Shreveport	269.96	304.84	321.47	39.7	40.7	40.9	6.80	7.49	7.86
MAINE	240.60	271.35	270.28	40.1	40.2	40.4	6.00	6.75	6.65
Lewiston—Auburn	193.67	221.60	212.80	38.2	39.5	38.0	5.07	5.61	5.60
Portland	229.88	251.16	245.86	38.7	38.7	38.0	5.94	6.49	6.47
MARYLAND	301.06	332.20	331.93	39.2	40.0	39.8	7.68	8.33	8.34
Baltimore	317.60	351.48	354.14	39.9	40.4	40.8	7.96	8.70	8.68
MASSACHUSETTS	257.15	280.50	281.90	39.5	39.9	40.1	6.51	7.03	7.03
Boston	278.64	300.80	301.95	39.3	40.0	40.1	7.09	7.52	7.53
Brockton	202.41	224.07	224.46	39.0	38.5	38.7	5.19	5.82	5.80
Fall River	187.98	209.06	215.04	36.5	38.5	38.4	5.15	5.43	5.60
Lawrence—Haverhill	268.92	287.36	297.25	40.5	39.8	41.0	6.64	7.22	7.25
Lowell	233.61	245.25	254.66	39.0	37.5	39.3	5.99	6.54	6.48
New Bedford	211.12	234.62	231.94	37.2	37.6	38.4	5.66	6.24	6.04
Springfield—Chicopee—Holyoke	259.69	280.55	286.06	40.2	40.6	41.1	6.46	6.91	6.96
Worcester	259.38	282.66	287.03	39.3	39.7	40.2	6.60	7.12	7.14
MICHIGAN	371.18	426.30	(*)	39.4	40.6	(*)	9.42	10.50	(*)
Ann Arbor	359.39	487.34	(*)	35.9	42.3	(*)	10.01	11.52	(*)
Battle Creek	382.95	418.81	(*)	40.4	40.8	(*)	9.48	10.27	(*)
Bay City	337.92	355.23	(*)	40.2	41.7	(*)	8.41	9.48	(*)
Detroit	410.63	460.73	(*)	40.5	41.5	(*)	10.14	11.10	(*)
Flint	442.08	498.87	(*)	40.7	41.5	(*)	10.86	12.02	(*)
Grand Rapids	313.86	348.31	(*)	39.7	39.5	(*)	7.91	8.82	(*)
Jackson	364.91	415.16	(*)	42.7	44.1	(*)	8.55	9.41	(*)
Kalamazoo—Portage	348.57	389.38	(*)	39.8	39.3	(*)	8.76	9.91	(*)
Lansing—East Lansing	350.57	459.37	(*)	36.4	38.7	(*)	9.63	11.87	(*)
Muskegon—Norton Shores—Muskegon Heights	341.18	348.23	(*)	40.2	38.0	(*)	8.49	9.16	(*)
Saginaw	409.41	514.34	(*)	39.5	42.1	(*)	10.37	12.22	(*)
MINNESOTA	298.72	328.50	328.94	39.1	39.2	39.3	7.64	8.38	8.37
Duluth—Superior	262.42	322.24	327.40	36.6	39.6	38.7	7.17	8.39	8.46
Minneapolis—St. Paul	319.93	347.60	353.13	39.4	39.1	39.5	8.12	8.89	8.94
St. Cloud	212.48	248.16	251.69	33.2	35.3	35.7	6.40	7.03	7.05

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. 1980	JULY 1981	ALG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P
MISSISSIPPI	\$215.60	\$231.25	\$238.19	39.2	38.8	39.5	\$5.50	\$5.96	\$6.03
Jackson.....	235.60	260.25	262.17	40.0	40.1	40.9	5.89	6.49	6.41
MISSOURI	283.14	311.26	313.63	39.0	39.3	39.5	7.26	7.92	7.94
Kansas City.....	314.03	353.81	355.60	39.5	39.4	40.0	7.95	8.98	8.99
St. Joseph.....	277.89	283.29	287.10	40.1	39.4	39.6	6.93	7.19	7.25
St. Louis.....	327.49	355.61	357.30	39.6	39.6	39.7	8.27	8.98	9.00
Springfield.....	275.72	313.52	305.86	41.4	41.8	41.0	6.66	7.51	7.46
MONTANA	377.09	365.80	365.79	42.9	42.9	42.8	8.79	8.62	8.64
NEBRASKA	301.85	311.26	308.05	40.3	39.3	38.9	7.49	7.92	7.92
Lincoln.....	281.39	304.57	301.46	38.6	38.8	38.5	7.29	7.86	7.83
Omaha.....	303.24	331.01	324.65	39.9	39.5	38.7	7.60	8.38	8.39
NEVADA	313.29	322.33	(*)	38.3	38.1	(*)	8.18	8.46	(*)
Las Vegas.....	408.24	(*)	(*)	40.3	(*)	(*)	10.13	(*)	(*)
NEW HAMPSHIRE	236.22	255.42	256.60	39.7	39.6	40.0	5.95	6.45	6.42
Manchester.....	217.84	236.39	236.79	38.9	38.5	39.4	5.60	6.14	6.01
Nashua.....	253.88	275.49	280.00	39.3	39.3	40.0	6.46	7.01	7.00
NEW JERSEY	293.79	318.79	315.55	40.3	40.2	40.5	7.29	7.93	7.89
Atlantic City.....	222.64	228.40	227.69	36.8	35.8	35.8	6.05	6.38	6.36
Camden ^{1, 2}	301.26	322.81	324.82	41.1	40.1	40.4	7.33	8.05	8.04
Hackensack.....	261.88	280.20	286.12	35.8	40.1	40.7	6.58	6.99	7.03
Jersey City ^{1, 2}	289.35	308.30	310.13	40.3	40.3	40.7	7.18	7.65	7.62
New Brunswick—Perth Amboy—Sayreville..... ³	352.36	368.68	372.12	42.3	41.8	42.0	8.33	8.82	8.86
Newark ^{1, 2}	306.75	339.08	336.10	40.9	41.2	41.7	7.50	8.23	8.06
Paterson—Clifton—Passaic..... ³	276.34	310.90	315.33	40.4	41.9	42.1	6.84	7.42	7.45
Trenton.....	296.02	327.40	331.66	38.0	38.7	38.7	7.79	8.46	8.57
NEW MEXICO	222.95	259.85	254.87	39.6	40.1	39.7	5.63	6.48	6.42
Albuquerque.....	244.62	262.28	265.72	40.5	40.6	40.2	6.04	6.46	6.61
NEW YORK	279.30	306.94	306.15	38.9	39.1	39.2	7.18	7.85	7.81
Albany—Schenectady—Troy.....	303.28	325.01	323.63	39.8	39.3	40.1	7.62	8.27	8.32
Binghamton.....	270.25	285.93	285.27	40.7	40.5	40.8	6.64	7.06	7.09
Buffalo.....	361.15	403.20	401.79	39.6	40.0	40.3	9.12	10.08	9.97
Elmira.....	271.93	308.87	317.75	38.3	35.7	41.0	7.10	7.78	7.75
Monroe County.....	376.24	405.59	412.05	41.3	40.6	41.0	9.11	9.99	10.05
Nassau—Suffolk..... ⁵	270.09	295.32	295.95	39.2	39.8	40.1	6.89	7.42	7.48
New York—Northeastern New Jersey.....	267.15	292.82	(*)	39.0	39.2	(*)	6.85	7.47	(*)
New York and Nassau—Suffolk..... ³	243.47	267.29	265.46	37.4	37.7	37.6	6.51	7.09	7.06
New York SMSA..... ⁵	236.53	259.33	256.41	36.9	37.1	37.0	6.41	6.99	6.93
New York City..... ⁶	234.15	253.96	252.50	36.7	36.7	36.7	6.38	6.92	6.88
Poughkeepsie.....	306.29	317.48	325.41	43.2	42.5	43.4	7.09	7.47	7.59
Rochester.....	350.88	375.36	384.99	40.8	40.4	41.0	8.60	9.39	9.39
Rockland County.....	271.04	293.57	295.65	35.8	35.3	39.8	6.81	7.47	7.53
Syracuse.....	313.65	340.61	335.42	41.0	40.5	40.6	7.65	8.41	8.36
Utica—Rome.....	259.62	296.86	292.64	39.1	39.9	39.6	6.64	7.44	7.39
Westchester County..... ⁶	248.35	302.40	276.57	37.8	40.7	38.2	6.57	7.43	7.24
NORTH CAROLINA	211.30	233.84	236.79	38.7	39.3	39.4	5.46	5.95	6.01
Asheville.....	205.59	223.56	234.59	38.5	40.2	40.1	5.34	5.82	5.85
Charlotte—Gastonia.....	214.73	245.81	248.46	39.4	40.9	41.0	5.45	6.01	6.06
Greensboro—Winston-Salem—High Point.....	234.91	253.82	264.53	38.7	38.4	39.6	6.07	6.61	6.68
Raleigh—Durham.....	245.07	268.09	271.15	39.4	39.6	39.7	6.22	6.77	6.83
NORTH DAKOTA	251.37	272.54	275.54	37.8	37.8	38.4	6.65	7.21	7.29
Fargo—Moorhead.....	274.53	297.18	301.07	37.3	38.1	38.5	7.36	7.80	7.82
OHIO	344.80	388.14	391.68	40.0	40.6	40.8	8.62	9.56	9.60
Akron.....	361.34	400.98	394.42	40.6	41.9	41.3	8.90	9.57	9.55
Canton.....	335.16	387.25	385.64	38.0	39.8	39.8	8.82	9.73	9.79
Cincinnati.....	334.14	356.24	357.35	41.1	40.9	40.7	8.13	8.71	8.78
Cleveland.....	340.56	392.35	400.20	39.6	40.7	41.3	8.60	9.64	9.69
Columbus.....	297.50	335.29	346.12	39.3	39.4	40.2	7.57	8.51	8.61
Dayton.....	352.23	401.86	415.11	41.1	41.6	42.1	8.57	9.66	9.86
Toledo.....	360.37	397.94	395.52	40.4	40.4	40.4	8.92	9.85	9.79
Youngstown—Warren.....	399.89	470.21	455.29	38.9	40.5	39.8	10.28	11.61	11.54

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. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P
OKLAHOMA	\$286.21	\$334.49	\$325.22	39.1	40.3	40.1	\$7.32	\$8.30	\$8.21
Oklahoma City	292.59	364.18	342.35	38.6	40.6	39.4	7.58	8.97	8.69
Tulsa	309.25	355.37	357.82	39.8	40.8	40.8	7.77	8.71	8.77
OREGON	344.66	357.54	353.19	39.3	37.4	37.1	8.77	9.56	9.52
Eugene—Springfield	377.88	382.41	361.15	40.2	37.9	36.3	9.40	10.09	9.95
Jackson County	365.72	351.29	(*)	40.5	36.9	(*)	9.03	9.52	(*)
Portland	334.66	358.16	366.53	38.6	37.9	38.3	8.67	9.45	9.57
Salem	305.86	294.44	268.44	41.0	34.0	33.1	7.46	8.66	8.11
PENNSYLVANIA	291.08	324.53	325.33	38.2	39.1	39.3	7.62	8.30	8.38
Allentown—Bethlehem—Easton	304.00	329.38	338.91	38.0	38.3	39.0	8.00	8.60	8.65
Altoona	248.90	280.02	280.47	38.0	39.0	38.9	6.55	7.18	7.21
Delaware Valley ⁵	302.97	333.08	337.16	39.5	39.7	39.9	7.67	8.39	8.45
Erie	311.63	339.29	352.64	35.8	40.2	41.1	7.83	8.44	8.58
Harrisburg	287.28	301.78	312.44	39.9	39.5	39.7	7.20	7.64	7.87
Johnstown	307.02	327.94	325.88	35.7	36.6	37.7	8.60	8.96	8.75
Lancaster	256.75	276.14	274.78	39.5	38.3	37.9	6.50	7.21	7.25
Northeast Pennsylvania	212.29	230.63	230.48	35.5	36.9	36.7	5.98	6.25	6.28
Philadelphia SMSA	302.51	331.93	335.20	39.7	35.8	40.0	7.62	8.34	8.38
Pittsburgh	344.10	406.42	418.48	37.2	40.2	40.2	9.25	10.11	10.41
Reading	281.78	295.54	304.58	35.8	38.7	39.3	7.08	7.74	7.75
Scranton	205.92	229.30	228.00	35.2	37.9	38.0	5.85	6.05	6.00
Wilkes-Barre—Hazleton ⁸	216.95	232.68	231.63	35.8	36.3	35.8	6.06	6.41	6.47
Williamsport	270.18	296.83	297.21	35.1	38.4	38.8	6.91	7.73	7.66
York	267.24	305.11	310.51	35.3	40.9	41.4	6.80	7.46	7.51
RHODE ISLAND	214.66	237.68	236.78	38.4	38.9	38.5	5.59	6.11	6.15
Providence—Warwick—Pawtucket	212.35	237.34	235.85	38.4	39.1	38.6	5.53	6.07	6.11
SOUTH CAROLINA	224.58	247.82	253.89	39.4	40.1	40.3	5.70	6.18	6.30
Charleston—North Charleston	264.00	271.96	281.78	40.0	39.3	39.8	6.60	6.92	7.08
Columbia	215.22	242.59	245.60	38.5	39.9	40.0	5.59	6.08	6.14
Greenville—Spartanburg	225.32	244.62	251.21	35.6	40.3	40.6	5.69	6.07	6.19
SOUTH DAKOTA	272.03	285.10	293.76	40.3	41.2	40.8	6.75	6.92	7.20
Rapid City	204.51	244.27	245.34	33.2	33.6	33.7	6.16	7.27	7.28
Sioux Falls	383.59	406.94	403.19	43.1	47.1	45.1	8.90	8.64	8.94
TENNESSEE	241.52	266.93	(*)	39.4	39.9	(*)	6.13	6.69	(*)
Chattanooga	239.71	267.49	(*)	38.6	40.9	(*)	6.21	6.54	(*)
Knoxville	266.74	285.71	(*)	39.4	39.3	(*)	6.77	7.27	(*)
Memphis	283.10	305.47	(*)	40.5	40.3	(*)	6.99	7.58	(*)
Nashville—Davidson	260.70	298.28	(*)	39.5	40.2	(*)	6.60	7.42	(*)
TEXAS	297.56	327.18	334.82	41.1	41.0	41.8	7.24	7.98	8.01
Abilene	196.46	224.27	247.64	41.1	41.0	44.7	4.78	5.47	5.54
Amarillo	291.13	309.29	298.22	42.5	39.2	37.0	6.85	7.89	8.06
Austin	246.03	252.10	250.88	41.7	39.7	39.2	5.90	6.35	6.40
Beaumont—Port Arthur—Orange	410.18	433.08	442.54	41.1	40.1	40.9	9.98	10.80	10.82
Corpus Christi	286.21	357.42	344.82	36.6	42.0	42.0	7.82	8.51	8.21
Dallas—Fort Worth	279.19	298.96	307.16	41.3	40.4	40.9	6.76	7.40	7.51
El Paso	203.31	230.07	219.78	40.5	44.5	44.4	5.02	5.17	4.95
Galveston—Texas City	458.71	503.30	503.36	42.2	43.5	44.0	10.87	11.57	11.44
Houston	378.29	414.20	416.82	42.6	43.6	43.6	8.88	9.50	9.56
Longview—Marshall	293.46	333.11	333.06	40.2	41.9	42.0	7.30	7.95	7.93
Lubbock	236.90	245.17	254.20	41.2	35.8	41.2	5.75	6.16	6.17
San Angelo	201.96	233.70	222.72	40.8	41.0	39.7	4.95	5.70	5.61
San Antonio	212.16	236.47	237.86	40.8	40.7	40.8	5.20	5.81	5.83
Sherman—Denison	266.02	281.25	281.05	40.8	38.9	38.5	6.52	7.23	7.30
Waco	242.38	255.03	268.26	39.8	40.6	40.4	6.09	6.38	6.64
Wichita Falls	275.81	296.73	293.56	40.8	41.5	41.0	6.76	7.15	7.16
UTAH	274.62	312.02	312.38	39.4	39.9	40.1	6.97	7.82	7.79
Salt Lake City—Ogden	265.46	301.58	295.63	40.1	41.2	41.5	6.62	7.32	7.22
VERMONT	249.38	265.16	270.47	39.9	39.4	39.6	6.25	6.73	6.83
Burlington	274.73	287.03	295.39	41.5	40.2	40.8	6.62	7.14	7.24
Springfield	274.40	305.21	306.06	40.0	41.3	40.7	6.86	7.39	7.52

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. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P	AUG. 1980	JULY 1981	AUG. 1981P
VIRGINIA	\$247.74	\$266.17	\$270.28	39.2	39.2	39.4	\$6.32	\$6.79	\$6.86
Bristol	207.76	212.63	212.89	37.3	36.1	35.6	5.57	5.89	5.98
Lynchburg	234.84	267.60	275.67	38.0	40.0	40.6	6.18	6.69	6.79
Norfolk—Virginia Beach—Portsmouth	268.30	292.23	289.59	40.9	40.7	40.5	6.56	7.18	7.15
Northern Virginia ¹	283.29	293.18	291.40	39.9	39.3	39.6	7.10	7.46	7.51
Petersburgh—Colonial Heights—Hopewell	298.35	329.18	348.70	39.0	38.1	40.5	7.65	8.64	8.61
Richmond	315.17	341.43	340.56	39.2	39.2	39.1	8.04	8.71	8.71
Roanoke	229.90	265.43	250.13	39.3	40.4	38.9	5.85	6.57	6.43
WASHINGTON	371.88	419.61	(*)	38.9	39.4	(*)	9.56	10.65	(*)
Seattle—Everett	382.11	422.84	(*)	39.7	38.9	(*)	9.65	10.87	(*)
Spokane	337.93	372.71	(*)	37.8	37.8	(*)	8.94	9.86	(*)
Tacoma	368.64	422.41	(*)	38.4	39.7	(*)	9.60	10.64	(*)
WEST VIRGINIA	314.63	344.57	343.08	38.7	39.2	39.8	8.13	8.79	8.62
Charleston	365.41	422.94	430.77	41.6	42.0	43.6	8.88	10.07	9.86
Huntington—Ashland	359.04	390.17	391.10	38.4	38.9	38.8	9.35	10.03	10.08
Parkersburg—Marietta	330.85	371.62	373.22	40.2	41.2	41.7	8.23	9.02	8.95
Wheeling	333.87	375.06	381.61	38.2	39.2	38.9	8.74	9.67	9.81
WISCONSIN	320.65	350.96	345.55	40.1	40.2	40.0	8.00	8.74	8.74
Appleton—Oshkosh	310.02	354.34	353.46	40.4	42.0	42.0	7.68	8.45	8.43
Eau Claire	317.25	323.57	349.54	40.5	40.0	41.1	7.84	8.09	8.51
Green Bay	332.78	365.04	366.17	41.9	41.8	42.2	7.94	8.82	8.69
Janeville—Beloit	334.58	371.85	354.13	40.6	39.0	38.5	8.24	9.53	9.15
Kenosha	364.67	425.44	430.59	38.6	40.9	41.4	9.44	10.39	10.41
La Crosse	280.44	305.11	312.36	40.1	40.9	40.3	7.00	7.47	7.75
Madison	326.96	345.12	342.19	40.1	40.0	40.1	8.16	8.63	8.53
Milwaukee	360.26	387.10	388.82	40.0	40.0	39.7	9.00	9.67	9.81
Racine	327.64	374.90	365.54	39.4	39.1	39.1	8.31	9.58	9.46
WYOMING	314.99	340.72	331.53	41.6	41.5	39.8	7.59	8.21	8.33
VIRGIN ISLAND	290.58	366.37	364.65	41.1	42.7	42.9	7.07	8.58	8.50

¹ Hours and earnings data adjusted to March 1980 benchmark.

² Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

³ Subarea of New York—Northeastern New Jersey.

⁴ Subarea of Rochester Standard Metropolitan Statistical Area.

⁵ Area included in New York and Nassau-Suffolk combined SMSA's.

⁶ Subarea of New York Standard Metropolitan Statistical Area.

⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

⁸ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area:

Lackawanna County.

⁹ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

¹⁰ 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.

ESTABLISHMENT DATA LABOR TURNOVER

D-1. Labor turnover rates in manufacturing, 1971 to date

ⁱPer 100 employees.

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions													
1971.....	3.9	3.5	3.1	3.5	3.6	4.0	4.9	4.0	5.3	4.8	3.9	3.3	2.5
1972.....	4.5	4.1	3.7	4.0	4.1	4.9	5.4	4.7	6.1	5.4	4.8	3.7	2.7
1973.....	4.8	4.7	4.1	4.5	4.6	5.4	5.9	5.2	6.3	5.8	5.2	3.8	2.6
1974.....	4.2	4.2	3.7	4.1	4.5	5.1	5.4	4.9	5.5	4.9	3.8	2.4	1.8
1975.....	3.7	2.9	2.7	3.2	3.7	4.0	4.5	4.6	5.2	4.6	3.7	2.8	2.2
1976.....	3.9	3.9	3.5	4.2	3.9	4.5	4.8	4.2	5.1	4.4	3.5	2.9	2.2
1977.....	4.0	3.7	3.7	4.0	3.8	4.6	4.9	4.3	5.3	4.6	3.9	3.1	2.4
1978.....	4.1	3.8	3.2	3.8	4.0	4.7	4.9	4.4	5.4	4.9	4.3	3.3	2.4
1979.....	4.0	4.0	3.4	3.8	3.9	4.7	4.8	4.3	5.0	4.5	4.1	3.0	2.2
1980.....	3.5	3.8	3.3	3.5	3.1	3.4	3.9	3.8	4.5	4.3	3.6	2.7	2.2
1981.....		3.4	3.0	3.4	3.3	3.5	4.0	3.6	P3.9				
New hires													
1971.....	2.6	2.0	1.9	2.2	2.3	2.7	3.5	2.7	3.4	3.4	2.7	2.2	1.6
1972.....	3.3	2.6	2.5	2.8	2.9	3.7	4.2	3.5	4.5	4.3	3.9	2.9	2.1
1973.....	3.9	3.5	3.2	3.5	3.7	4.5	5.0	4.1	5.1	4.8	4.4	3.1	2.0
1974.....	3.2	3.2	2.8	3.1	3.3	4.0	4.3	3.7	4.2	3.9	2.9	1.7	1.0
1975.....	2.0	1.3	1.2	1.3	1.6	2.0	2.5	2.6	3.1	3.1	2.5	1.8	1.3
1976.....	2.6	2.1	2.1	2.7	2.6	3.1	3.6	2.9	3.6	3.2	2.5	1.9	1.3
1977.....	2.8	2.2	2.1	2.6	2.7	3.5	3.7	3.0	4.0	3.5	3.0	2.2	1.6
1978.....	3.1	2.5	2.2	2.7	2.9	3.6	3.9	3.3	4.2	3.9	3.5	2.6	1.7
1979.....	2.9	2.8	2.5	2.8	2.9	3.6	3.8	3.1	3.7	3.4	3.1	2.2	1.5
1980.....	2.1	2.4	2.2	2.3	2.0	2.1	2.4	2.1	2.5	2.6	2.2	1.6	1.2
1981.....		1.8	1.8	2.0	2.0	2.3	2.8	2.4	P2.6				
Recalls													
1976.....	1.0	1.4	1.0	1.2	1.0	1.0	0.9	1.1	1.1	0.8	0.7	0.7	0.7
1977.....	.9	1.2	1.3	1.1	.9	.8	.8	.9	1.0	.8	.6	.6	.6
1978.....	.7	1.0	.7	.8	.8	.8	.7	.8	.9	.7	.6	.5	.5
1979.....	.7	.9	.7	.7	.7	.8	.7	.9	.9	.8	.7	.6	.5
1980.....	1.1	1.1	.9	.9	.8	1.0	1.2	1.5	1.7	1.4	1.1	.9	.8
1981.....		1.3	1.0	1.1	1.1	1.0	.9	1.0	P1.0				
Total separations													
1971.....	4.2	4.2	3.5	3.7	3.9	3.7	3.8	4.8	5.5	5.3	4.3	3.7	3.8
1972.....	4.3	4.1	3.5	3.9	3.8	3.9	4.2	4.8	5.5	5.5	4.4	3.8	3.7
1973.....	4.7	4.3	3.8	4.3	4.2	4.4	4.5	5.2	6.5	5.8	5.0	4.2	4.0
1974.....	4.9	5.0	4.1	4.4	4.3	4.4	4.2	4.9	6.2	5.5	5.1	5.0	5.2
1975.....	4.2	6.1	4.5	4.2	4.0	3.9	3.7	4.4	4.7	4.4	4.1	3.5	3.4
1976.....	3.8	3.7	3.0	3.5	3.6	3.4	3.6	4.3	4.9	4.7	4.1	3.4	3.5
1977.....	3.8	3.9	3.4	3.4	3.4	3.5	3.5	4.3	5.1	4.9	3.8	3.4	3.4
1978.....	3.9	3.6	3.1	3.5	3.6	3.7	3.8	4.1	5.3	4.9	4.1	3.5	3.4
1979.....	4.0	3.8	3.2	3.6	3.7	3.8	3.9	4.3	5.7	4.7	4.2	3.8	3.5
1980.....	4.0	4.1	3.5	3.7	4.7	4.8	4.4	4.2	4.8	4.1	3.8	3.0	3.1
1981.....		3.6	3.1	3.2	3.1	3.1	3.2	3.6	P4.3				
Quits													
1971.....	1.8	1.5	1.3	1.5	1.6	1.7	1.8	1.8	2.8	2.9	2.0	1.5	1.2
1972.....	2.3	1.7	1.6	1.9	2.0	2.2	2.2	2.2	3.6	3.5	2.5	2.0	1.6
1973.....	2.8	2.3	2.1	2.5	2.5	2.8	2.8	2.8	4.6	4.0	3.1	2.3	1.6
1974.....	2.4	2.2	2.0	2.3	2.4	2.7	2.5	2.6	4.0	3.3	2.2	1.4	1.0
1975.....	1.4	1.1	.9	1.0	1.1	1.3	1.4	1.5	2.5	2.1	1.6	1.2	.9
1976.....	1.7	1.3	1.2	1.6	1.7	1.7	1.8	1.9	2.8	2.5	1.7	1.2	1.0
1977.....	1.8	1.4	1.3	1.6	1.7	1.9	1.9	1.9	3.1	2.8	1.9	1.5	1.2
1978.....	2.1	1.5	1.4	1.8	2.0	2.1	2.2	2.1	3.5	3.1	2.3	1.7	1.3
1979.....	2.0	1.8	1.6	1.9	2.0	2.1	2.1	2.0	3.3	2.7	2.1	1.6	1.1
1980.....	1.5	1.6	1.5	1.6	1.5	1.5	1.4	1.4	2.2	1.9	1.4	1.1	.9
1981.....		1.2	1.1	1.2	1.3	1.3	1.4	1.5	P2.1				
Layoffs													
1971.....	1.6	1.9	1.4	1.4	1.4	1.2	1.2	2.1	1.8	1.5	1.5	1.5	1.8
1972.....	1.1	1.5	1.1	1.1	1.0	.9	1.1	1.7	.9	.9	1.0	1.0	1.3
1973.....	.9	1.1	.8	.8	.7	.7	.7	1.4	.8	.8	.8	1.1	1.6
1974.....	1.5	1.8	1.3	1.1	.9	.8	.8	1.4	1.1	1.2	1.8	2.8	3.6
1975.....	2.1	4.0	2.9	2.5	2.1	1.8	1.6	2.0	1.3	1.5	1.6	1.7	1.9
1976.....	1.3	1.6	1.0	1.1	1.1	.9	.9	1.6	1.1	1.3	1.5	1.5	1.8
1977.....	1.1	1.7	1.4	1.0	.9	.8	.8	1.5	1.0	1.1	1.1	1.1	1.5
1978.....	.9	1.2	.9	.9	.8	.7	.7	1.1	.8	.8	.9	1.0	1.4
1979.....	1.1	1.1	.8	.8	.9	.7	.9	1.4	1.3	1.1	1.2	1.5	1.7
1980.....	1.7	1.6	1.2	1.3	2.3	2.5	2.2	2.0	1.7	1.4	1.5	1.4	1.6
1981.....		1.6	1.2	1.2	1.0	1.0	1.1	1.3	P1.4				

^ppreliminary.

ESTABLISHMENT DATA LABOR TURNOVER

D-2. Labor turnover rates, by industry

(Per 100 employees)

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		July 1981	Aug. 1981P	July 1981	Aug. 1981P	July 1981	Aug. 1981P	July 1981	Aug. 1981P	July 1981	Aug. 1981P	July 1981	Aug. 1981P
	MANUFACTURING	3.6	3.9	2.4	2.6	1.0	1.0	3.5	4.3	1.5	2.1	1.3	1.4
24, 25, 32-39	DURABLE GOODS	2.9	3.3	1.9	2.1	.8	.9	3.3	4.1	1.2	1.7	1.2	1.5
20-23, 26-31	NONDURABLE GOODS	4.6	4.9	3.1	3.4	1.3	1.2	4.2	4.7	2.0	2.7	1.5	1.1
	DURABLE GOODS												
24	LUMBER AND WOOD PRODUCTS	4.8	4.3	3.3	3.4	1.3	.7	4.8	6.6	2.5	3.1	1.3	2.5
242	Sawmills and planing mills	4.0	-	2.6	-	1.2	-	4.4	-	2.0	-	1.6	-
2421	Sawmills and planing mills, general	3.7	-	2.4	-	1.1	-	3.9	-	1.7	-	1.5	-
243	Millwork, plywood, and structural members	4.0	-	2.8	-	1.0	-	4.6	-	2.4	-	1.3	-
2431	Millwork	3.5	-	2.5	-	.8	-	4.6	-	2.2	-	1.6	-
244	Wood containers	5.4	-	4.5	-	.7	-	7.0	-	3.7	-	2.3	-
245	Wood buildings and mobile homes	8.8	-	7.5	-	1.3	-	8.9	-	5.6	-	1.5	-
2451	Mobile homes	10.9	-	9.4	-	1.5	-	10.9	-	7.1	-	1.7	-
249	Miscellaneous wood products	4.0	-	3.0	-	.9	-	4.2	-	2.4	-	1.0	-
25	FURNITURE AND FIXTURES	4.5	4.9	3.3	3.5	1.0	1.3	4.6	4.7	2.3	2.7	1.4	1.1
251	Household furniture	4.6	-	3.4	-	1.0	-	5.3	-	2.7	-	1.7	-
2511	Wood household furniture	4.9	-	3.6	-	1.3	-	5.3	-	2.7	-	1.6	-
2512	Upholstered household furniture	4.1	-	3.1	-	.7	-	5.4	-	2.9	-	1.6	-
2515	Mattresses and bedspings	4.3	-	3.3	-	.9	-	3.9	-	1.8	-	.9	-
252	Office furniture	3.0	-	2.5	-	.5	-	2.9	-	1.7	-	.6	-
254	Partitions and fixtures	6.0	-	4.6	-	1.2	-	4.5	-	2.5	-	1.2	-
32	STONE, CLAY, AND GLASS PRODUCTS	3.5	3.6	2.2	2.2	1.1	1.2	3.8	4.6	1.3	2.0	1.6	1.6
322	Glass and glassware, pressed or blown	3.4	-	1.7	-	1.3	-	3.1	-	.9	-	1.1	-
3221	Glass containers	3.3	-	2.2	-	.9	-	3.2	-	1.0	-	1.2	-
3229	Pressed and blown glass, nec	3.6	-	1.1	-	2.0	-	3.1	-	.7	-	.9	-
323	Products of purchased glass	3.5	-	2.7	-	.7	-	3.6	-	1.1	-	1.5	-
324	Cement, hydraulic	1.6	-	.7	-	.8	-	2.6	-	.4	-	1.5	-
325	Structural clay products	4.6	-	2.7	-	1.8	-	5.2	-	2.1	-	2.2	-
326	Pottery and related products	3.9	-	2.5	-	1.2	-	3.7	-	1.5	-	1.3	-
327	Concrete, gypsum, and plaster products	4.1	-	2.9	-	1.1	-	4.9	-	1.9	-	2.0	-
329	Misc. nonmetallic mineral products	2.8	-	1.8	-	.8	-	2.8	-	1.0	-	1.1	-
33	PRIMARY METAL INDUSTRIES	2.4	2.7	1.0	1.1	1.2	1.2	3.1	3.5	.6	1.0	1.5	1.7
331	Blast furnace and basic steel products	2.6	-	.6	-	1.6	-	3.0	-	.3	-	1.6	-
3312	Blast furnaces and steel mills	2.6	-	.5	-	1.8	-	2.9	-	.3	-	1.7	-
332	Iron and steel foundries	2.6	-	1.5	-	.9	-	2.9	-	1.0	-	1.1	-
3321	Gray iron foundries	2.5	-	1.5	-	.8	-	2.8	-	1.0	-	1.1	-
3325	Steel foundries, nec	3.0	-	1.6	-	1.2	-	2.9	-	1.0	-	.9	-
333	Primary nonferrous metals	1.3	-	.4	-	.7	-	1.9	-	.4	-	.8	-
335	Nonferrous rolling and drawing	1.7	-	1.0	-	.5	-	3.3	-	.6	-	1.7	-
3351	Copper rolling and drawing	2.0	-	1.4	-	.5	-	2.3	-	.8	-	.9	-
3353	Aluminum sheet, plate, and foil	1.5	-	.7	-	.7	-	2.0	-	.2	-	1.0	-
3357	Nonferrous wire drawing and insulating	1.6	-	1.0	-	.4	-	4.4	-	.6	-	2.5	-
336	Nonferrous foundries	2.8	-	1.8	-	.8	-	4.0	-	1.3	-	1.8	-
3361	Aluminum foundries	3.2	-	1.7	-	1.2	-	4.3	-	1.2	-	2.2	-
34	FABRICATED METAL PRODUCTS	3.4	3.6	2.2	2.3	1.0	1.1	3.7	4.2	1.4	1.9	1.5	1.5
341	Metal cans and shipping containers	4.6	-	1.1	-	3.0	-	3.4	-	.6	-	1.6	-
3411	Metal cans	4.9	-	.9	-	3.4	-	3.5	-	.6	-	1.7	-
342	Cutlery, hand tools, and hardware	2.4	-	1.7	-	.6	-	3.7	-	1.1	-	1.9	-
3423, 5	Hand and edge tools, and hand saws and blades	2.0	-	1.7	-	.3	-	4.3	-	1.0	-	2.6	-
3429	Hardware, nec	2.6	-	1.9	-	.7	-	3.2	-	1.1	-	1.4	-
343	Plumbing and heating, except electric	2.8	-	1.4	-	1.4	-	3.5	-	1.2	-	1.5	-
344	Fabricated structural metal products	3.9	-	3.0	-	.8	-	3.8	-	1.8	-	1.1	-
3441	Fabricated structural metal	4.7	-	3.3	-	1.0	-	4.4	-	1.8	-	1.6	-
3442	Metal doors, sash, and trim	5.4	-	4.3	-	1.0	-	4.4	-	2.3	-	.9	-
3443	Fabricated plate work (boiler shops)	2.4	-	1.8	-	.5	-	3.0	-	1.4	-	.9	-
3444	Sheet metal work	4.3	-	3.3	-	1.0	-	4.1	-	1.9	-	1.2	-
345	Screw machine products, bolts, etc.	2.3	-	1.6	-	.6	-	3.0	-	1.4	-	.9	-
3451	Screw machine products	2.4	-	1.9	-	.4	-	3.3	-	1.8	-	.9	-
3452	Bolts, nuts, rivets, and washers	2.2	-	1.4	-	.7	-	2.8	-	1.1	-	1.0	-
346	Metal forgings and stampings	3.5	-	1.6	-	1.7	-	4.6	-	1.1	-	2.8	-
3462	Iron and steel forgings	1.7	-	.9	-	.6	-	2.0	-	.6	-	.6	-
3465	Automotive stampings	4.6	-	.7	-	3.5	-	7.4	-	.9	-	6.0	-
3469	Metal stampings, nec	3.6	-	2.6	-	.8	-	3.5	-	1.6	-	1.0	-
347	Metal services, nec	4.5	-	3.5	-	.8	-	4.5	-	2.2	-	1.0	-
348	Ordnance and accessories, nec	1.4	-	1.0	-	.3	-	1.4	-	.6	-	.3	-
349	Misc. fabricated metal products	3.2	-	2.0	-	1.0	-	3.4	-	1.3	-	1.5	-
3494	Valves and pipe fittings	1.9	-	1.4	-	.3	-	3.0	-	.9	-	1.4	-
3496	Misc. fabricated wire products	5.8	-	3.0	-	2.4	-	4.7	-	1.8	-	2.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates, by industry—Continued

(Per 100 employees)

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		July 1981	Aug. 1981P	July 1981	Aug. 1981P	July 1981	Aug. 1981P	July 1981	Aug. 1981P	July 1981	Aug. 1981P	July 1981	Aug. 1981P
35	MACHINERY, EXCEPT ELECTRICAL	2.4	2.7	1.5	1.8	0.7	0.7	2.6	3.3	1.0	1.4	0.9	1.1
351	Engines and turbines	4.6	-	.7	-	3.1	-	2.6	-	.4	-	1.1	-
3511	Turbines and turbine generator sets	2.1	-	1.1	-	(1)	-	1.9	-	.3	-	.4	-
3519	Internal combustion engines, nec	5.7	-	.5	-	4.5	-	2.9	-	.4	-	1.3	-
352	Farm and garden machinery	2.9	-	1.1	-	1.5	-	3.1	-	.8	-	1.7	-
3523	Farm machinery and equipment	2.4	-	1.0	-	1.1	-	3.0	-	.8	-	1.6	-
353	Construction and related machinery	2.6	-	1.8	-	.7	-	2.4	-	1.0	-	.7	-
3531	Construction machinery	1.7	-	.8	-	.8	-	1.8	-	.5	-	.8	-
3533	Oil field machinery	3.6	-	3.4	-	.1	-	2.8	-	1.8	-	(1)	-
354	Metalworking machinery	2.0	-	1.3	-	.6	-	2.7	-	1.0	-	1.0	-
3541	Machine tools, metal cutting types	1.0	-	.7	-	.2	-	1.8	-	.7	-	.5	-
3544	Special dies, tools, jigs, and fixtures	2.9	-	1.9	-	.8	-	3.3	-	1.3	-	1.3	-
3545	Machine tool accessories	1.5	-	1.0	-	.3	-	2.3	-	.9	-	.8	-
355	Special industry machinery	1.8	-	1.3	-	.3	-	3.1	-	.9	-	1.4	-
3551	Food products machinery	1.6	-	1.2	-	.3	-	2.5	-	.9	-	1.0	-
3552	Textile machinery	1.8	-	1.3	-	.3	-	4.9	-	1.0	-	3.4	-
356	General industrial machinery	2.0	-	1.2	-	.6	-	2.3	-	.9	-	.9	-
3561	Pumps and pumping equipment	1.7	-	1.2	-	.4	-	1.8	-	.9	-	.4	-
3562	Ball and roller bearings	1.7	-	.6	-	.6	-	1.6	-	.5	-	.6	-
3564	Blowers and fans	2.0	-	1.6	-	.4	-	4.9	-	1.4	-	2.9	-
357	Office and computing machines	2.2	-	1.8	-	.1	-	1.9	-	.9	-	.3	-
3573	Electronic computing equipment	2.3	-	2.0	-	.1	-	1.8	-	.9	-	.2	-
358	Refrigeration and service machinery	2.3	-	1.5	-	.5	-	3.0	-	1.0	-	1.3	-
3585	Refrigeration and heating equipment	2.3	-	1.5	-	.6	-	2.3	-	1.0	-	.6	-
359	Misc. machinery, except electrical	2.9	-	2.1	-	.7	-	3.6	-	1.4	-	1.3	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	2.5	3.0	1.7	2.0	.5	.6	2.9	3.5	1.1	1.5	.8	1.1
361	Electric distributing equipment	2.3	-	1.6	-	.3	-	2.5	-	1.1	-	.4	-
3612	Transformers	2.6	-	1.8	-	.3	-	2.6	-	1.1	-	.3	-
3613	Switchgear and switchboard apparatus	2.1	-	1.6	-	.2	-	2.5	-	1.1	-	.4	-
362	Electrical industrial apparatus	2.1	-	1.5	-	.4	-	2.1	-	.9	-	.6	-
3621	Motors and generators	2.2	-	1.5	-	.4	-	2.3	-	.9	-	.7	-
3622	Industrial controls	1.9	-	1.3	-	.3	-	2.3	-	.8	-	.7	-
363	Household appliances	3.0	-	1.2	-	1.2	-	5.1	-	.8	-	2.0	-
3632	Household refrigerators and freezers	4.4	-	1.0	-	2.3	-	10.3	-	.5	-	4.3	-
3633	Household laundry equipment	1.1	-	.4	-	.2	-	1.3	-	.3	-	.1	-
3634	Electric housewares and fans	3.8	-	2.1	-	1.4	-	3.6	-	1.5	-	1.2	-
364	Electric lighting and wiring equipment	2.6	-	1.6	-	.6	-	4.2	-	1.2	-	2.1	-
3641	Electric lamps	1.7	-	1.0	-	.5	-	3.4	-	.5	-	2.4	-
3643	Current-carrying wiring devices	2.2	-	1.6	-	.2	-	2.7	-	1.0	-	.8	-
365	Radio and TV receiving equipment	3.6	-	1.4	-	1.3	-	4.1	-	1.0	-	1.7	-
3651	Radio and TV receiving sets	3.2	-	1.5	-	.6	-	4.0	-	.9	-	1.4	-
366	Communication equipment	1.7	-	1.2	-	.2	-	1.8	-	.8	-	.3	-
3661	Telephone and telegraph apparatus	.6	-	.4	-	.1	-	1.7	-	.4	-	.5	-
3662	Radio and TV communication equipment	2.1	-	1.6	-	.2	-	1.8	-	1.0	-	.2	-
367	Electronic components and accessories	3.2	-	2.5	-	.4	-	3.0	-	1.7	-	.6	-
3671-3	Electronic tubes	1.9	-	.7	-	.6	-	2.4	-	.8	-	.6	-
3674	Semiconductors and related devices	2.0	-	1.7	-	.2	-	2.1	-	1.2	-	.3	-
3679	Electronic components, nec	4.2	-	3.4	-	.5	-	3.9	-	2.1	-	1.0	-
369	Misc. electrical equipment and supplies	2.6	-	1.4	-	.8	-	2.5	-	.9	-	.8	-
3694	Engine electrical equipment	1.9	-	1.2	-	.4	-	2.5	-	.8	-	.8	-
37	TRANSPORTATION EQUIPMENT	2.6	-	1.4	-	.8	-	3.1	-	.9	-	1.4	-
371	Motor vehicles and equipment	2.4	-	.9	-	.9	-	3.9	-	.7	-	2.3	-
3711	Motor vehicles and car bodies	2.2	-	.6	-	.7	-	2.6	-	.6	-	1.0	-
3713	Truck and bus bodies	2.4	-	1.3	-	1.0	-	8.6	-	1.4	-	6.5	-
3714	Motor vehicle parts and accessories	2.1	-	.9	-	.8	-	4.3	-	.6	-	2.9	-
3715	Truck trailers	7.2	-	3.0	-	4.0	-	7.3	-	2.1	-	4.2	-
372	Aircraft and parts	1.5	-	1.1	-	.2	-	1.7	-	.7	-	.3	-
3721	Aircraft	1.4	-	1.0	-	.2	-	1.3	-	.6	-	.2	-
3724	Aircraft engines and engine parts	1.1	-	.7	-	.1	-	1.5	-	.5	-	.2	-
3728	Aircraft equipment, nec	2.3	-	1.8	-	.4	-	2.8	-	1.2	-	.8	-
373	Ship and boat building and repairing	6.7	-	4.0	-	2.7	-	5.7	-	2.0	-	2.5	-
3731	Ship building and repairing	7.3	-	4.1	-	3.2	-	5.9	-	1.7	-	2.9	-
3732	Boat building and repairing	4.8	-	3.7	-	.9	-	5.2	-	3.1	-	1.1	-
374	Railroad equipment	1.7	-	.4	-	.4	-	1.6	-	.3	-	.4	-
376	Guided missiles, space vehicles, parts	2.2	-	1.8	-	.1	-	1.4	-	.6	-	.3	-
3761	Guided missiles and space vehicles	2.4	-	2.0	-	.1	-	1.2	-	.6	-	.1	-
379	Miscellaneous transportation equipment	3.6	-	2.9	-	.5	-	5.2	-	2.1	-	2.3	-
38	INSTRUMENTS AND RELATED PRODUCTS	2.2	2.6	1.7	2.1	.3	.4	2.2	2.9	1.1	1.8	.5	.5
381	Engineering and scientific instruments	2.0	-	1.7	-	.1	-	2.1	-	1.2	-	.4	-
382	Measuring and controlling devices	2.4	-	1.8	-	.3	-	2.2	-	1.0	-	.6	-
3822	Environmental controls	2.1	-	1.4	-	.5	-	1.3	-	.6	-	.2	-
3823	Process control instruments	2.0	-	1.6	-	.2	-	2.7	-	1.2	-	.8	-
3825	Instruments to measure electricity	3.0	-	2.1	-	.3	-	2.0	-	1.2	-	.4	-

See footnotes at end of table.

ESTABLISHMENT DATA LABOR TURNOVER

D-2. Labor turnover rates, by industry—Continued

(Per 100 employees)

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		July 1981	Aug. 1981 P	July 1981	Aug. 1981 P	July 1981	Aug. 1981 P	July 1981	Aug. 1981 P	July 1981	Aug. 1981 P	July 1981	Aug. 1981 P
	INSTRUMENTS AND RELATED PRODUCTS—Con'd												
383	Optical instruments and lenses	2.1	-	1.9	-	0.1	-	1.8	-	1.1	-0.	0.2	-
384	Medical instruments and supplies	1.8	-	1.4	-	.2	-	2.7	-	1.3	-	.6	-
3841	Surgical and medical instruments	1.8	-	1.4	-	.2	-	2.7	-	1.4	-	.8	-
3842	Surgical appliances and supplies	1.7	-	1.4	-	.2	-	2.9	-	1.2	-	.5	-
385	Ophthalmic goods	3.3	-	2.4	-	.7	-	3.6	-	2.0	-	1.0	-
386	Photographic equipment and supplies	2.1	-	1.9	-	.1	-	1.1	-	.4	-	.2	-
387	Watches, clocks, and watchcases	4.2	-	1.7	-	2.2	-	3.3	-	1.2	-	1.3	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	4.7	6.5	3.2	4.7	1.3	1.5	4.8	6.0	1.9	3.0	1.9	1.9
391	Jewelry, silverware, and plated ware	5.7	-	2.2	-	3.4	-	4.8	-	1.5	-	2.5	-
393	Musical instruments	3.4	-	2.4	-	.8	-	4.0	-	2.1	-	1.1	-
394	Toys and sporting goods	5.1	-	4.1	-	.7	-	5.8	-	2.4	-	2.3	-
3942.4	Dolls, games, toys, and children's vehicles	7.3	-	6.0	-	1.0	-	5.0	-	2.7	-	.9	-
3949	Sporting and athletic goods, nec	2.6	-	2.0	-	.4	-	6.8	-	2.1	-	3.8	-
395	Pens, pencils, office and art supplies	3.4	-	2.7	-	.5	-	2.5	-	1.5	-	.2	-
396	Costume jewelry and notions	5.2	-	3.3	-	1.7	-	5.2	-	2.1	-	2.0	-
399	Miscellaneous manufactures	4.2	-	3.0	-	1.1	-	4.5	-	1.6	-	2.0	-
	NONDURABLE GOODS												
20	FOOD AND KINDRED PRODUCTS	8.3	8.1	5.0	5.2	3.1	2.7	5.9	6.3	2.4	3.5	2.6	2.0
201	Meat products	6.1	-	4.5	-	1.2	-	6.4	-	3.7	-	1.5	-
2011	Meat packing plants	4.4	-	2.2	-	1.9	-	5.1	-	2.0	-	2.3	-
2013	Sausages and other prepared meats	4.6	-	3.5	-	.9	-	3.9	-	1.8	-	1.2	-
2016	Poultry dressing plants	9.3	-	8.2	-	.7	-	9.5	-	7.1	-	.7	-
202	Dairy products	3.0	-	2.3	-	.5	-	3.3	-	1.6	-	1.1	-
203	Preserved fruits and vegetables	25.5	-	13.5	-	11.8	-	12.4	-	3.0	-	8.5	-
204	Grain mill products	3.2	-	2.3	-	.8	-	3.3	-	1.5	-	1.1	-
205	Bakery products	2.9	-	2.3	-	.5	-	2.8	-	1.6	-	.5	-
2051	Bread, cake, and related products	2.8	-	2.5	-	.3	-	2.7	-	1.7	-	.4	-
2052	Cookies and crackers	3.4	-	1.7	-	1.6	-	3.3	-	1.2	-	.9	-
206	Sugar and confectionery products	7.9	-	2.7	-	5.1	-	6.2	-	1.3	-	4.3	-
207	Fats and oils	2.5	-	1.8	-	.6	-	3.0	-	1.4	-	1.1	-
208	Beverages	4.9	-	3.2	-	1.6	-	3.9	-	1.8	-	1.2	-
2082	Malt beverages	4.9	-	1.3	-	3.3	-	4.6	-	.6	-	3.0	-
2086	Bottled and canned soft drinks	4.7	-	4.3	-	.3	-	3.6	-	2.6	-	.1	-
209	Misc. foods and kindred products	9.4	-	6.1	-	3.2	-	7.4	-	3.4	-	2.9	-
21	TOBACCO MANUFACTURES	6.6	-	1.6	-	3.6	-	2.1	-	.5	-	1.1	-
211	Cigarettes	1.2	-	1.0	-	(1)	-	.7	-	.2	-	(1)	-
22	TEXTILE MILL PRODUCTS	3.8	4.2	2.9	3.3	.6	.6	4.3	4.4	2.3	2.7	1.0	.7
221	Weaving mills, cotton	2.9	-	2.1	-	.3	-	3.4	-	1.8	-	.6	-
222	Weaving mills, synthetics	3.5	-	2.7	-	.5	-	4.0	-	2.1	-	.9	-
223	Weaving and finishing mills, wool	3.8	-	3.1	-	.6	-	5.8	-	2.3	-	2.1	-
224	Narrow fabric mills	5.8	-	3.6	-	2.0	-	6.0	-	2.2	-	2.7	-
225	Knitting mills	4.1	-	3.3	-	.7	-	5.1	-	2.8	-	1.5	-
2251	Women's hosiery, except socks	4.4	-	3.5	-	.7	-	4.3	-	2.8	-	.5	-
2252	Hosiery, nec	5.2	-	4.7	-	.4	-	4.6	-	3.5	-	.3	-
2253	Knit outerwear mills	4.3	-	3.2	-	.8	-	5.0	-	2.9	-	1.2	-
2254	Knit underwear mills	3.3	-	2.8	-	.3	-	5.2	-	2.9	-	1.4	-
2257	Circular knit fabric mills	3.5	-	2.3	-	1.0	-	6.8	-	2.4	-	3.5	-
226	Textile finishing, except wool	3.4	-	2.4	-	.5	-	5.0	-	2.1	-	1.6	-
227	Floor covering mills	3.3	-	2.4	-	.6	-	3.3	-	1.7	-	.8	-
228	Yarn and thread mills	4.8	-	4.0	-	.6	-	4.6	-	3.1	-	.4	-
229	Miscellaneous textile goods	2.9	-	2.2	-	.5	-	2.9	-	1.5	-	.5	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	6.0	6.6	4.0	4.5	1.7	1.8	6.5	5.9	3.1	3.7	2.4	1.3
231	Men's and boys' suits and coats	4.1	-	3.0	-	.8	-	3.6	-	2.0	-	.9	-
232	Men's and boys' furnishings	5.1	-	3.9	-	1.0	-	5.3	-	3.5	-	1.0	-
2321	Men's and boys' shirts and nightwear	4.8	-	3.7	-	.8	-	4.4	-	3.2	-	.5	-
2327	Men's and boys' separate trousers	5.3	-	4.5	-	.6	-	5.6	-	4.3	-	.7	-
2328	Men's and boys' work clothing	5.2	-	4.4	-	.7	-	5.5	-	3.9	-	1.0	-
233	Women's and misses' outerwear	7.2	-	3.9	-	3.0	-	8.2	-	3.0	-	4.1	-
234	Women's and children's undergarments	6.0	-	5.0	-	.8	-	5.7	-	3.4	-	1.5	-
2341	Women's and children's underwear	6.1	-	5.0	-	.9	-	5.5	-	3.6	-	1.1	-
2342	Brassieres and allied garments	5.8	-	4.9	-	.6	-	6.4	-	2.8	-	2.8	-
236	Children's outerwear	5.9	-	4.4	-	1.2	-	6.3	-	3.2	-	2.2	-
238	Misc. apparel and accessories	5.8	-	4.2	-	1.2	-	7.9	-	3.5	-	3.1	-
239	Misc. fabricated textile products	5.7	-	4.2	-	1.3	-	6.6	-	2.7	-	2.4	-
26	PAPER AND ALLIED PRODUCTS	2.5	2.6	1.7	1.8	.7	.6	2.6	3.6	1.0	1.9	.9	.9
261,2,6	Paper and pulp mills	1.4	-	1.0	-	.2	-	1.4	-	.5	-	.5	-
262	Paper mills, except building paper	1.4	-	1.0	-	.2	-	1.3	-	.5	-	.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates, by industry—Continued

(Per 100 employees)

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		July 1981	Aug. 1981P	July 1981	Aug. 1981P	July 1981	Aug. 1981P	July 1981	Aug. 1981P	July 1981	Aug. 1981P	July 1981	Aug. 1981P
PAPER AND ALLIED PRODUCTS—Continued													
263	Paperboard mills	1.7	-	0.9	-0.	0.7	-	1.8	-	0.4	-	0.8	-
264	Miscellaneous paper products	3.2	-	2.4	-	.6	-	3.2	-	1.4	-	.9	-
265	Paperboard containers and boxes	3.1	-	1.8	-	1.2	-	3.4	-	1.2	-	1.3	-
2651	Folding paperboard boxes	3.3	-	1.8	-	1.4	-	3.1	-	1.1	-	1.2	-
2653	Corrugated and solid fiber boxes	2.2	-	1.5	-	.5	-	2.6	-	1.1	-	.8	-
27	PRINTING AND PUBLISHING	3.0	3.1	2.5	2.6	.4	.4	2.9	3.6	1.7	2.3	.5	.6
271	Newspapers	3.3	-	3.1	-	.1	-	2.9	-	2.2	-	.2	-
272	Periodicals	2.9	-	2.6	-	.2	-	2.1	-	1.4	-	.1	-
273	Books	2.8	-	1.9	-	.8	-	3.7	-	1.5	-	1.7	-
274	Miscellaneous publishing	2.8	-	2.3	-	.2	-	2.7	-	1.7	-	.4	-
275	Commercial printing	2.8	-	2.1	-	.6	-	2.7	-	1.4	-	.6	-
2751	Commercial printing, letterpress	2.9	-	2.2	-	.6	-	2.9	-	1.5	-	.7	-
2752	Commercial printing, lithographic	2.7	-	2.1	-	.5	-	2.6	-	1.2	-	.6	-
278	Blankbooks and bookbinding	3.9	-	3.0	-	.9	-	3.6	-	1.9	-	1.0	-
28	CHEMICALS AND ALLIED PRODUCTS	1.6	1.6	1.2	1.2	.2	.3	1.7	2.7	.7	1.4	.5	.5
281	Industrial inorganic chemicals	1.4	-	1.0	-	.3	-	1.4	-	.5	-	.5	-
2819	Industrial inorganic chemicals, nec	1.3	-	1.1	-	.1	-	1.3	-	.6	-	.3	-
282	Plastics materials and synthetics	1.0	-	.7	-	.1	-	1.1	-	.4	-	.2	-
2821	Plastic materials and resins	1.4	-	1.2	-	.1	-	1.6	-	.6	-	.4	-
2824	Organic fibers, noncellulosic	.5	-	.3	-	.1	-	.6	-	.2	-	(1)	-
283	Drugs	1.5	-	1.2	-	.1	-	1.6	-	.6	-	.5	-
2834	Pharmaceutical preparations	1.5	-	1.3	-	.1	-	1.7	-	.7	-	.5	-
284	Soap, cleaners, and toilet goods	2.5	-	2.0	-	.4	-	1.8	-	.9	-	.3	-
2841	Soap and other detergents	1.7	-	.9	-	.8	-	1.6	-	.6	-	.5	-
2844	Toilet preparations	3.5	-	2.8	-	.2	-	2.2	-	1.2	-	.3	-
285	Paints and allied products	2.0	-	1.8	-	.1	-	2.0	-	1.1	-	.2	-
286	Industrial organic chemicals	1.5	-	1.0	-	.3	-	1.1	-	.5	-	.1	-
287	Agricultural chemicals	1.1	-	.9	-	.2	-	2.6	-	.9	-	1.2	-
289	Miscellaneous chemical products	2.1	-	1.7	-	.3	-	3.1	-	1.0	-	1.4	-
29	PETROLEUM AND COAL PRODUCTS	2.2	2.1	1.8	1.8	.3	.2	2.1	3.2	.6	1.2	.7	1.2
291	Petroleum refining	1.8	-	1.7	-	.1	-	1.5	-	.4	-	.5	-
295	Paving and roofing materials	4.2	-	2.6	-	1.5	-	4.8	-	1.4	-	2.1	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	3.9	4.3	2.9	3.1	.8	.8	4.0	4.6	1.8	2.5	1.1	1.0
301	Tires and inner tubes	1.5	-	.7	-	.4	-	1.7	-	.4	-	.6	-
302	Rubber and plastic extrudate	4.1	-	3.4	-	.5	-	7.2	-	3.2	-	3.2	-
303,4	Reclaimed rubber, and rubber and plastics hose and fittings	2.4	-	1.9	-	.3	-	1.7	-	.8	-	.1	-
306	Fabricated rubber products, nec	3.2	-	2.1	-	.6	-	3.6	-	1.3	-	1.1	-
307	Miscellaneous plastics products	4.8	-	3.7	-	.9	-	4.6	-	2.3	-	1.2	-
31	LEATHER AND LEATHER PRODUCTS	6.8	7.5	4.7	5.1	1.9	2.0	7.1	7.2	3.3	4.1	2.8	2.1
311	Leather tanning and finishing	4.4	-	3.1	-	1.3	-	4.6	-	1.9	-	1.8	-
314	Footwear, except rubber	7.3	-	4.7	-	2.2	-	7.4	-	3.5	-	2.7	-
3143	Men's footwear, except athletic	6.0	-	5.0	-	.5	-	5.9	-	3.7	-	1.1	-
3144	Women's footwear, except athletic	6.6	-	3.8	-	2.4	-	9.1	-	3.1	-	4.7	-
NONMANUFACTURING:													
-	MINING	5.4	5.6	4.3	4.5	.7	.6	4.0	5.5	2.8	3.8	.2	.3
10	METAL MINING	1.5	1.2	.9	.8	.3	.2	1.9	4.1	.8	1.9	.4	1.5
101	Iron ores	1.6	-	.3	-	.7	-	2.5	-	.3	-	1.1	-
102	Copper ores	1.2	-	.9	-	.1	-	1.0	-	.5	-	.1	-
12	BITUMINOUS COAL AND LIGNITE MINING	2.3	2.1	1.2	1.4	.9	.5	1.3	1.3	.7	.7	.1	.1
13	OIL AND GAS EXTRACTION	7.6	8.3	6.5	6.8	.7	.8	5.6	7.7	4.2	5.7	.1	.1
131,2	Crude petroleum, natural gas, and natural gas liquids	3.0	-	2.7	-	(1)	-	1.9	-	1.2	-	.1	-
138	Oil and gas field services	10.6	-	9.0	-	1.1	-	8.1	-	6.2	-	.2	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	2.7	2.1	1.9	1.5	.7	.4	2.6	3.5	1.3	1.8	.6	1.0
142	Crushed and broken stone	2.8	-	2.0	-	.7	-	3.1	-	1.1	-	1.1	-
144	Sand and gravel	4.1	-	2.8	-	1.0	-	3.2	-	1.6	-	.8	-
-	COMMUNICATION:	1.0	-	.9	-	(1)	-	.8	-	.4	-	(1)	-
481	Telephone communication	1.0	-	.9	-	(1)	-	.8	-	.4	-	(1)	-

¹ Less than 0.05.

P=preliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED LABOR TURNOVER

D-3. Labor turnover rates in manufacturing, 1971 to date, seasonally adjusted

Per 100 employees

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1971.....	3.8	3.7	3.7	3.8	3.8	3.8	3.8	4.0	4.0	3.9	4.0	4.2
1972.....	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.5	4.5	4.6	4.7	4.9
1973.....	5.0	5.2	5.1	4.9	4.8	4.7	4.6	4.6	4.8	4.8	5.0	4.7
1974.....	4.7	4.6	4.5	4.6	4.5	4.3	4.3	4.1	4.0	3.8	3.3	3.1
1975.....	3.0	3.2	3.2	3.6	3.7	3.8	4.0	4.0	3.9	3.8	3.8	3.8
1976.....	4.2	4.1	4.2	4.1	4.0	3.8	3.9	3.8	3.7	3.6	3.8	3.8
1977.....	3.9	4.5	4.1	4.0	4.0	4.0	4.0	4.0	3.9	4.0	4.0	4.3
1978.....	4.0	3.9	3.9	4.2	4.0	4.1	4.1	4.1	4.2	4.2	4.2	4.3
1979.....	4.1	4.1	4.0	4.0	4.0	4.1	3.9	3.9	3.9	3.9	3.9	3.8
1980.....	3.9	3.8	3.7	3.2	3.1	3.4	3.5	3.6	3.7	3.7	3.6	3.5
1981.....	3.5	3.5	3.4	3.4	3.1	3.4	3.4	P3.1				
New hires												
1971.....	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.5	2.7	2.9
1972.....	3.0	3.1	3.2	3.2	3.3	3.2	3.2	3.3	3.4	3.6	3.7	4.0
1973.....	4.0	4.2	4.1	4.0	4.0	3.8	3.7	3.7	3.8	3.9	4.1	3.8
1974.....	3.8	3.7	3.6	3.5	3.5	3.3	3.3	3.1	3.0	2.7	2.3	1.9
1975.....	1.6	1.6	1.5	1.7	1.8	1.9	2.3	2.3	2.4	2.3	2.4	2.5
1976.....	2.6	2.7	2.9	2.8	2.7	2.7	2.7	2.6	2.5	2.4	2.5	2.5
1977.....	2.6	2.8	2.8	2.9	3.0	2.8	2.8	2.9	2.8	2.9	2.8	3.1
1978.....	2.9	2.8	2.9	3.1	3.0	3.1	3.1	3.1	3.2	3.3	3.3	3.3
1979.....	3.1	3.1	3.0	3.0	3.0	3.1	2.9	2.8	2.8	2.8	2.8	2.8
1980.....	2.7	2.6	2.5	2.1	1.8	1.9	2.0	2.0	2.1	2.1	2.1	2.1
1981.....	2.1	2.2	2.1	2.1	2.0	2.2	2.3	P2.0				
Recalls												
1976.....	1.1	1.0	1.1	1.0	1.0	0.9	1.0	0.9	0.8	0.9	0.9	1.0
1977.....	.9	1.3	1.0	.9	.8	.8	.8	.8	.8	.7	.8	.8
1978.....	.8	.7	.8	.8	.8	.7	.7	.7	.7	.7	.7	.7
1979.....	.7	.7	.7	.7	.8	.7	.8	.7	.8	.8	.8	.7
1980.....	.9	.9	.9	.8	1.0	1.2	1.3	1.4	1.4	1.3	1.2	1.1
1981.....	1.0	1.0	1.1	1.1	1.0	1.0	.9	P.8				
Total separations												
1971.....	4.3	4.1	4.0	4.1	4.2	4.1	4.2	4.6	4.3	4.1	4.1	4.1
1972.....	4.2	4.1	4.2	4.2	4.2	4.5	4.5	4.2	4.3	4.1	4.3	4.4
1973.....	4.6	4.7	4.8	4.6	4.6	4.7	4.9	4.6	4.5	4.7	4.8	4.8
1974.....	5.1	5.0	4.9	4.7	4.6	4.5	4.5	4.8	4.4	4.8	5.2	4.9
1975.....	5.2	5.1	4.6	4.6	4.6	4.3	4.0	3.9	3.8	3.8	3.8	3.5
1976.....	3.6	3.5	3.8	3.9	3.7	3.9	3.9	3.9	3.9	3.9	3.6	3.6
1977.....	3.9	4.1	3.8	3.7	3.8	3.7	3.9	4.0	3.9	3.8	3.8	4.0
1978.....	3.8	3.8	3.8	4.0	3.9	3.9	3.9	3.8	4.0	3.9	3.9	4.1
1979.....	4.0	3.9	3.9	4.0	4.0	4.0	4.0	4.3	3.9	4.0	4.1	4.0
1980.....	4.2	4.0	4.0	5.2	5.5	4.8	3.8	4.0	3.5	3.6	3.3	3.5
1981.....	3.6	3.6	3.4	3.2	3.4	3.4	3.2	P3.5				
Quits												
1971.....	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9
1972.....	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.5	2.6
1973.....	2.8	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.9	2.9	2.7
1974.....	2.7	2.8	2.7	2.6	2.6	2.5	2.5	2.4	2.2	2.0	1.8	1.7
1975.....	1.4	1.3	1.2	1.2	1.3	1.4	1.4	1.5	1.4	1.5	1.6	1.5
1976.....	1.6	1.6	1.8	1.8	1.7	1.7	1.8	1.7	1.7	1.6	1.5	1.6
1977.....	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.9	1.9	1.9	1.9	2.0
1978.....	1.9	1.9	2.0	2.1	2.0	2.1	2.1	2.1	2.2	2.2	2.1	2.2
1979.....	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9	2.0	2.0	1.8
1980.....	1.9	1.9	1.8	1.6	1.5	1.4	1.4	1.4	1.3	1.3	1.4	1.5
1981.....	1.4	1.4	1.3	1.3	1.3	1.4	1.5	P1.3				
Layoffs												
1971.....	1.7	1.5	1.5	1.5	1.6	1.5	1.5	2.0	1.7	1.5	1.4	1.3
1972.....	1.2	1.2	1.1	1.2	1.2	1.4	1.4	1.1	1.0	1.0	.9	.9
1973.....	.9	.8	.9	.8	.9	.9	1.2	1.0	.9	.8	1.0	1.1
1974.....	1.4	1.3	1.2	1.1	1.1	1.1	1.1	1.4	1.3	1.8	2.5	2.5
1975.....	2.9	3.0	2.7	2.6	2.5	2.2	1.7	1.6	1.7	1.5	1.5	1.3
1976.....	1.2	1.0	1.2	1.3	1.2	1.3	1.3	1.3	1.4	1.5	1.3	1.2
1977.....	1.3	1.5	1.2	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.0	1.1
1978.....	1.0	1.0	1.0	1.0	1.0	.9	.9	.9	.9	.9	.9	1.0
1979.....	.9	.9	.9	1.0	1.0	1.1	1.1	1.4	1.2	1.2	1.3	1.3
1980.....	1.4	1.3	1.4	2.7	3.2	2.6	1.6	1.8	1.5	1.5	1.3	1.2
1981.....	1.4	1.3	1.3	1.1	1.3	1.3	1.0	P1.5				

p=preliminary.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

D-4. Labor turnover rates in manufacturing for selected States and areas—Continued

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	June 1981	July 1981 ^P	June 1981	July 1981 ^P	June 1981	July 1981 ^P	June 1981	July 1981 ^P	June 1981	July 1981 ^P	June 1981	July 1981 ^P
ALABAMA:												
Birmingham	2.2	2.5	1.4	1.2	0.7	1.2	2.6	2.5	0.6	0.9	1.5	1.0
Mobile	6.0	(*)	4.7	(*)	1.2	(*)	3.4	(*)	1.3	(*)	1.0	(*)
ALASKA	33.9	24.1	23.9	23.8	10.0	.3	8.1	13.4	2.6	7.5	5.1	4.6
ARIZONA	4.0	3.4	3.4	2.8	.5	.5	3.3	3.3	1.9	1.9	.4	.4
Phoenix	4.1	3.5	3.5	3.0	.5	.4	3.3	3.4	1.9	1.8	.3	.5
ARKANSAS	5.2	4.6	3.8	3.5	1.0	.7	5.0	5.6	2.8	2.7	1.3	1.1
Fort Smith	5.1	4.6	3.6	4.2	.7	.1	5.2	5.9	3.1	3.7	1.0	.5
Little Rock—North Little Rock	3.8	3.3	2.6	2.5	1.1	.7	2.7	3.3	1.6	2.0	.2	.4
Pine Bluff	4.4	4.3	3.4	4.1	.7	.1	2.3	4.0	1.5	2.5	.2	.8
CALIFORNIA	4.4	4.2	3.2	2.8	1.0	1.2	4.0	3.9	1.6	1.7	1.4	1.2
COLORADO	4.4	4.3	3.9	3.7	.3	.4	2.9	2.8	1.7	1.8	.5	.3
Denver—Boulder	4.1	2.9	3.8	2.5	.3	.2	2.8	2.8	1.7	1.8	.3	.3
CONNECTICUT	2.7	1.9	2.2	1.4	.3	.3	2.3	2.4	1.0	1.0	.7	.4
Hartford	2.1	1.4	1.7	1.2	.2	.2	3.2	1.7	1.1	1.0	1.6	.2
DELAWARE	3.6	2.6	2.1	1.4	.9	.5	2.8	3.1	1.2	1.1	.3	.8
Wilmington	3.0	2.0	1.5	.9	.8	.5	2.2	2.3	.7	.7	.2	.5
FLORIDA	5.2	5.0	4.5	4.3	.5	.6	4.6	4.8	2.8	3.1	.9	.8
Fort Lauderdale—Hollywood	5.2	4.7	4.9	4.3	.2	.3	5.3	5.6	3.4	3.8	.9	.4
Jacksonville	5.5	6.1	5.2	5.0	.3	1.1	4.5	6.5	3.0	2.4	.2	2.7
Miami	4.6	4.4	4.1	4.0	.5	.4	3.9	4.9	2.5	3.1	.5	1.1
Orlando	5.0	3.9	4.5	3.1	.3	.7	4.6	2.7	2.0	1.8	1.8	.3
Pensacola	2.3	1.4	2.2	1.1	(^h)	.2	1.8	1.8	1.2	1.3	.1	.1
Tampa—St. Petersburg	6.6	7.1	5.5	5.8	1.0	1.2	6.6	6.4	4.2	4.5	1.3	.7
West Palm Beach—Boca Raton	5.6	3.7	4.6	3.5	1.0	.2	4.9	4.3	2.8	2.1	1.1	1.3
GEORGIA	4.1	3.8	3.3	3.1	.5	.5	3.2	3.6	1.9	2.2	.4	.5
Atlanta ²	3.3	3.0	2.7	2.4	.5	.5	2.5	2.9	1.3	1.3	.4	.8
HAWAII ³	4.4	1.8	1.6	1.1	2.6	.6	1.5	2.5	.9	.7	.2	1.3
IDAHO ⁴	5.7	3.5	2.7	2.3	2.8	1.1	3.1	3.0	1.5	1.5	.7	.8
ILLINOIS:												
Chicago SMSA	3.4	2.5	2.2	1.8	.8	.5	2.8	3.2	1.0	1.2	.9	.8
Davenport—Rock Island—Moline	1.9	1.3	.9	.7	.8	.4	1.3	1.4	.5	.4	.3	.4
Decatur	1.8	3.5	.7	.3	.7	2.8	1.7	2.6	1.1	.5	1.1	1.2
Peoria	1.6	1.5	.7	.8	.8	.6	1.5	1.0	.2	.2	1.0	.4
Rockford	2.6	1.9	1.5	1.1	.7	.7	1.8	2.0	.8	.9	.6	.5
INDIANA ⁵	3.1	2.3	1.6	1.1	1.0	.9	3.0	3.6	.7	.8	1.4	2.0
Indianapolis ⁶	2.8	2.4	1.7	1.4	.7	.6	1.9	4.8	.7	.9	.4	3.0
IOWA	2.7	2.3	1.4	1.1	1.0	.9	4.9	2.6	.7	.8	3.8	1.3
Cedar Rapids	2.8	2.6	.7	.6	1.7	1.6	2.7	2.0	.5	.6	1.6	.7
Des Moines	3.2	2.1	1.0	1.4	1.8	.3	1.9	4.3	.7	1.2	.4	2.5
KANSAS	4.5	3.5	3.7	2.7	.6	.7	3.7	4.0	2.0	2.4	.8	.8
Topeka	3.1	2.4	2.0	1.2	.9	1.2	4.3	5.9	1.2	1.3	1.7	3.4
Wichita	3.5	3.0	2.8	2.4	.4	.4	3.0	3.2	1.8	2.0	.2	.2
KENTUCKY	3.4	2.9	1.7	1.4	1.3	1.1	3.1	4.4	.8	.9	1.5	2.7
Lexington—Fayette	2.8	2.9	1.7	1.0	.5	.8	2.6	2.8	.7	.9	1.4	1.4
Louisville	2.2	1.7	.9	.7	.6	.4	2.2	5.8	.4	.6	.6	4.3
LOUISIANA:												
New Orleans	5.2	5.0	4.4	4.5	.6	.4	4.5	4.7	2.9	2.7	.3	.6
MAINE	5.7	4.6	4.2	3.2	1.3	1.2	3.8	3.9	1.9	1.9	1.2	1.3
Portland	3.2	2.6	2.9	2.3	.2	.2	2.7	2.5	1.9	1.8	.3	.3
MARYLAND	3.8	3.3	2.3	2.0	1.3	1.2	4.3	3.7	1.1	1.2	2.3	1.5
Baltimore	3.4	3.1	1.9	1.6	1.2	1.3	4.5	3.4	.9	.4	2.7	1.3
MASSACHUSETTS	3.9	2.5	3.0	1.8	.7	.5	2.6	3.0	1.2	1.3	.6	.9
Boston	4.1	2.3	3.4	1.9	.6	.2	2.2	2.6	1.2	1.2	.4	.6

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

D-4. Labor turnover rates in manufacturing for selected States and areas—Continued

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	June 1981	July 1981 ^P	June 1981	July 1981 ^P	June 1981	July 1981 ^P	June 1981	July 1981 ^P	June 1981	July 1981 ^P	June 1981	July 1981 ^P
MICHIGAN	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Detroit	1.8	1.0	.6	.2	.7	.5	2.0	.8	.8	.3	.6	.4
Flint	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Grand Rapids	3.5	1.6	1.7	.9	1.3	.4	3.1	3.4	1.8	.9	1.6	1.3
Lansing—East Lansing	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
MINNESOTA	3.7	3.0	2.7	2.2	.7	.6	2.3	2.4	1.1	1.2	.7	.7
Minneapolis—St. Paul	3.1	2.4	2.5	1.9	.5	.3	2.1	1.9	1.1	1.1	.4	.3
MISSISSIPPI:												
Jackson	4.1	4.8	2.6	3.6	1.4	1.1	3.5	4.4	1.6	2.6	1.1	1.3
MISSOURI	3.3	2.8	2.4	1.9	.7	.7	2.8	2.9	1.2	1.3	.9	.9
Kansas City	2.8	2.7	2.1	1.9	.6	.7	3.2	2.9	1.3	1.4	1.1	.8
St. Louis	2.4	1.9	1.7	1.3	.5	.6	2.0	1.9	.8	.7	.6	.6
MONTANA	4.6	2.2	3.4	1.4	1.0	.6	2.3	4.1	1.2	1.3	.9	1.8
NEBRASKA	3.9	2.8	2.9	2.2	.9	.4	3.0	3.1	1.6	1.7	.7	.7
NEVADA	6.5	5.6	5.5	5.1	.9	.5	7.0	7.5	3.7	4.8	1.4	1.3
NEW HAMPSHIRE	4.4	4.2	3.6	2.9	.5	.9	3.7	4.1	2.1	2.1	.8	1.2
NEW JERSEY:												
Camden	3.6	2.4	2.4	1.5	.8	.7	2.3	4.0	.8	.6	.6	2.4
Hackensack	4.1	3.5	2.9	2.1	1.0	1.2	4.0	6.6	1.4	1.6	1.7	2.5
Jersey City	4.6	3.0	2.6	2.1	2.0	.8	2.7	4.5	.8	.7	.9	2.9
New Brunswick—Perth Amboy—Sayreville	3.7	2.6	2.8	2.1	.8	.5	3.1	4.9	1.3	1.2	1.1	2.1
Newark	3.5	2.4	2.7	1.8	.5	.5	2.6	3.1	1.0	1.1	.7	1.2
Paterson—Clifton—Passaic	3.7	4.2	2.7	2.9	.8	1.1	3.8	10.8	1.1	1.2	1.9	7.9
Trenton	3.2	3.0	2.2	1.7	.8	1.1	4.1	4.6	1.0	1.2	2.4	2.6
NEW MEXICO	5.7	4.3	5.0	3.6	.6	.5	4.4	4.0	2.5	2.7	.8	.2
NEW YORK	4.4	3.9	2.8	2.3	1.4	1.4	3.3	4.6	1.1	1.1	1.4	2.5
Albany—Schenectady—Troy	3.7	2.8	1.8	1.3	1.2	1.0	2.5	2.9	.8	.8	.7	1.1
Binghamton	3.4	4.5	2.8	2.0	.5	2.3	2.3	4.5	.9	1.1	.2	2.4
Buffalo	2.9	2.5	1.3	1.3	1.3	1.0	2.4	4.9	.5	.5	1.2	3.5
Elmira	3.2	2.8	2.4	1.9	.6	.7	1.7	2.2	.5	.5	.5	.9
Monroe County ⁸	4.1	2.2	3.6	1.9	.3	.2	1.3	1.9	.5	.7	.3	.7
Nassau—Suffolk ⁹	4.8	3.8	3.7	2.9	.9	.8	4.5	4.7	2.1	1.9	1.6	2.0
New York and Nassau—Suffolk	4.7	4.2	3.0	2.7	1.5	1.4	4.1	5.6	1.4	1.4	1.9	3.2
New York SMSA ⁷	4.6	4.4	2.8	2.7	1.6	1.6	4.0	5.8	1.2	1.3	2.0	3.5
New York City ¹⁰	4.8	4.6	2.9	2.8	1.8	1.7	4.3	6.3	1.2	1.4	2.1	3.9
Rochester	4.6	3.4	3.7	2.4	.7	.9	1.8	2.4	.6	.8	.7	1.0
Syracuse	3.9	3.3	3.0	2.6	.7	.5	2.4	3.3	1.1	1.0	.7	1.5
Utica—Rome	3.6	2.5	2.2	1.6	1.3	.8	2.5	3.6	.8	.8	1.2	2.3
Westchester County ¹⁰	3.1	3.1	2.5	2.3	.4	.7	2.7	2.8	.9	1.0	1.1	1.2
NORTH CAROLINA	3.6	3.5	3.1	3.0	.3	.3	3.1	3.6	2.0	2.3	.3	.4
Charlotte—Gastonia	4.3	4.5	3.5	4.0	.6	.3	3.6	4.4	2.5	2.7	.3	.7
Greensboro—Winston-Salem—High Point	3.3	3.6	2.9	2.9	.1	.2	3.1	3.5	1.8	2.1	.4	.3
NORTH DAKOTA	6.1	6.5	5.5	4.8	.6	.6	6.3	6.7	4.4	3.8	.2	.7
Fargo—Moorhead	4.6	4.2	3.2	3.4	.9	.6	2.7	2.9	1.0	1.4	1.2	.3
OHIO	3.0	2.0	1.6	1.0	(*)	(*)	2.1	2.3	.5	.6	.9	1.1
Akron	2.2	1.2	1.3	.7	(*)	(*)	1.2	1.4	.4	.3	.2	.6
Canton	3.4	2.5	1.5	1.0	(*)	(*)	2.4	2.7	.5	1.0	.9	.7
Cincinnati	2.3	1.9	1.5	1.3	(*)	(*)	1.9	1.7	.7	.9	.6	.3
Cleveland	2.8	1.7	1.6	1.0	(*)	(*)	2.0	2.3	.6	.6	.6	.8
Columbus	2.4	1.9	1.5	1.2	(*)	(*)	1.7	2.4	.6	.9	.5	.9
Dayton	2.4	1.9	1.3	1.1	(*)	(*)	1.9	2.3	.6	.8	.7	.9
Toledo	3.5	1.8	1.4	1.0	(*)	(*)	2.5	1.4	.3	.4	1.2	.6
Youngstown—Warren	3.3	2.7	1.8	1.2	(*)	(*)	2.3	3.1	.4	.5	1.1	1.7
OKLAHOMA	6.8	5.8	6.0	5.3	.5	.4	5.5	5.8	4.0	4.3	.5	.4
Oklahoma City	6.0	5.3	5.3	4.9	.4	.4	5.3	4.9	3.7	3.6	.6	.5
Tulsa ¹¹	6.5	6.0	6.0	5.5	.3	.3	4.9	5.5	3.4	3.7	.2	.4
OREGON ⁵	3.8	3.2	2.6	1.8	1.1	1.2	3.3	3.6	1.0	1.2	1.7	1.8
Eugene—Springfield ⁵	3.0	2.8	2.3	1.3	.4	1.4	3.8	2.8	.8	.8	2.4	1.6
Portland ⁵	3.3	2.7	2.2	1.8	.9	.8	2.9	3.4	.9	1.2	1.5	1.5

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

D-4. Labor turnover rates in manufacturing for selected States and areas—Continued

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	June 1981	July 1981 ^P	June 1981	July 1981 ^P	June 1981	July 1981 ^P	June 1981	July 1981 ^P	June 1981	July 1981 ^P	June 1981	July 1981 ^P
PENNSYLVANIA	3.5	3.5	2.0	1.4	1.3	1.9	3.0	3.7	0.7	0.8	1.5	2.1
Allentown—Bethlehem—Easton	2.5	2.6	1.4	1.4	.9	1.1	2.4	3.0	.8	.9	1.0	1.5
Altoona	3.1	3.8	1.9	1.5	1.1	2.3	1.6	2.8	.7	.7	.6	1.8
Erle	3.8	2.8	2.1	1.6	1.2	.9	1.9	2.2	.6	.7	.7	.9
Harrisburg	2.5	3.4	1.8	1.9	.4	1.3	2.1	3.1	.9	.9	.5	1.6
Johnstown	4.7	3.9	1.5	.7	2.9	3.0	2.8	5.6	.4	.7	1.7	4.0
Lancaster	3.1	1.9	2.4	1.1	.5	.6	2.1	2.9	1.1	1.2	.3	1.2
Northeast Pennsylvania	4.1	3.9	2.0	1.3	2.0	2.3	2.9	5.2	.9	.9	1.5	3.9
Philadelphia SMSA	3.6	3.2	2.2	1.6	1.1	1.5	3.1	3.5	.8	1.0	1.4	1.8
Pittsburgh	3.3	3.0	1.5	.8	1.6	1.9	3.1	3.0	.3	.3	2.0	1.8
Reading	2.5	3.7	1.7	1.4	.6	2.1	2.7	4.1	.8	1.0	1.1	2.4
Scranton ¹²	4.4	4.1	2.1	1.3	2.2	2.1	2.2	6.4	1.0	.9	.9	5.1
Wilkes-Barre—Hazleton ¹²	3.7	4.0	1.9	1.4	1.5	2.4	3.4	4.7	.9	1.0	1.9	3.2
Williamsport	1.7	1.2	.9	.6	.7	.4	1.7	1.7	.3	.2	.8	.9
York	3.3	4.3	2.3	1.9	.8	2.1	2.2	3.2	1.0	1.1	.6	1.3
RHODE ISLAND	3.9	5.8	2.8	2.7	.9	2.7	3.8	6.2	1.4	1.6	1.7	3.6
Providence—Warwick—Pawtucket	3.8	5.9	2.8	2.8	.8	2.7	3.8	6.4	1.3	1.6	1.7	3.8
SOUTH CAROLINA	3.7	4.0	2.8	2.6	.7	1.0	3.5	4.3	1.6	2.0	.9	1.3
Charleston—North Charleston	3.9	4.0	3.5	3.6	.3	.4	3.1	5.0	1.6	4.0	.4	1.2
Columbia	3.4	3.5	3.0	3.1	.2	.3	3.7	3.3	1.8	2.2	.8	.3
Greenville—Spartanburg	3.6	3.6	2.9	2.9	.5	.5	3.6	3.8	1.9	2.0	.7	.8
SOUTH DAKOTA	3.4	3.5	2.3	2.4	.7	1.0	3.3	3.8	1.2	1.2	1.4	2.1
Sioux Falls	3.9	3.0	1.6	.7	2.1	2.3	4.6	5.4	.7	.8	3.5	4.3
TENNESSEE:												
Memphis	2.9	2.4	1.8	1.7	.9	.5	2.1	2.0	.9	.9	.5	.3
TEXAS:												
Dallas—Fort Worth	5.2	4.5	4.8	4.2	.2	.2	4.8	5.9	3.3	3.5	.6	1.4
Houston	5.2	4.1	4.9	3.9	.2	.2	3.9	4.0	2.7	2.7	.2	.3
San Antonio	6.5	6.3	5.8	5.9	.5	.3	4.4	5.5	3.3	4.1	.1	.3
UTAH ⁴	4.7	3.2	4.1	2.7	.5	.1	4.0	3.5	2.3	1.9	1.0	1.0
Salt Lake City—Ogden ⁴	4.1	2.8	3.7	2.6	.3	.1	4.0	3.5	2.1	2.0	1.0	.8
VERMONT	4.8	4.0	3.1	2.2	1.5	1.6	3.8	3.3	1.2	1.2	1.9	1.5
Burlington	5.5	2.4	4.1	2.0	1.0	.1	2.8	1.5	.7	.5	2.0	.6
Springfield	2.6	3.6	2.1	1.3	.2	2.3	3.5	3.3	.7	1.4	2.2	.8
VIRGINIA	3.5	2.9	2.3	2.0	1.0	.7	3.2	2.8	1.3	1.4	1.2	.6
Richmond	3.2	2.7	2.1	1.7	.4	.4	2.3	2.1	.8	.9	.4	.2
WASHINGTON:												
Seattle—Everett ¹³	2.4	2.1	1.6	1.4	.7	.5	2.4	2.5	.9	1.1	.6	.7
WEST VIRGINIA	3.0	2.4	2.2	2.0	.6	.3	2.1	2.5	1.1	1.4	.4	.3
WISCONSIN	4.5	3.4	2.4	1.6	1.7	1.5	2.5	2.6	.6	.8	1.1	1.1
Milwaukee	3.2	3.1	1.6	1.2	1.3	1.6	2.7	2.9	.6	.6	1.2	1.4
WYOMING	6.4	5.9	5.5	4.6	.9	1.3	4.3	5.0	2.5	3.0	1.0	.1

¹ Less than 0.05.

² Excludes agricultural chemicals, and miscellaneous manufacturing.

³ Excludes canned fruits, vegetables, preserves, jams, and jellies.

⁴ Excludes canning and preserving, and sugar.

⁵ Excludes canning and preserving.

⁶ Excludes canning and preserving, and newspapers.

⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

⁸ Subarea of Rochester Standard Metropolitan Statistical Area.

⁹ Area included in New York and Nassau-Suffolk combined SMSA's.

¹⁰ Subarea of New York Standard Metropolitan Statistical Area.

¹¹ Excludes new-hire rate for transportation equipment.

¹² Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.

¹³ Excludes canning and preserving, printing and publishing.

p = preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover except for data for the States of California, New Mexico, and West Virginia which are collected and calculated by the Bureau of Labor Statistics (Washington Office).

STATE AND AREA UNEMPLOYMENT DATA

E-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. 1980	JUL. 1981	AUG. 1981P	AUG. 1980	JUL. 1981	AUG. 1981P	AUG. 1980	JUL. 1981	AUG. 1981P
ALABAMA	1,653.4	1,643.1	1,624.6	161.3	155.0	151.8	9.8	9.4	9.3
Birmingham	384.2	375.9	374.9	41.3	33.9	36.7	10.7	9.0	9.8
Huntsville	138.3	139.6	137.8	13.9	12.4	12.3	10.1	8.9	8.9
Mobile	183.5	185.7	183.6	14.6	16.3	15.7	7.9	8.8	8.6
Montgomery	120.5	120.2	118.1	9.6	10.0	9.6	7.9	8.3	8.1
Tuscaloosa	52.3	51.1	50.7	4.6	4.9	4.4	8.7	9.5	8.7
ALASKA	199.2	207.8	204.1	16.2	17.4	16.5	8.1	8.4	8.1
ARIZONA	1,110.7	1,138.7	1,140.7	82.3	74.4	71.2	7.4	6.5	6.2
Phoenix	676.1	694.4	694.8	43.2	36.4	35.4	6.4	5.2	5.1
Tucson	201.5	207.8	209.5	13.0	11.2	10.8	6.4	5.4	5.2
ARKANSAS	988.5	1,017.6	1,032.4	78.2	84.8	84.9	7.9	8.3	8.2
Fayetteville-Springdale	76.7	78.4	79.4	4.7	4.3	4.2	6.2	5.4	5.3
Fort Smith	83.7	86.9	86.3	9.2	6.6	6.9	11.0	7.7	8.0
Little Rock—North Little Rock	188.2	196.2	199.1	11.3	14.5	14.7	6.0	7.4	7.4
Pine Bluff	39.4	40.9	41.3	2.6	4.1	4.0	6.5	10.0	9.8
CALIFORNIA²	11,454.0	11,486.9	11,535.5	833.0	855.0	792.5	7.3	7.4	6.9
Anaheim—Santa Ana—Garden Grove	1,108.5	1,141.3	1,148.6	54.6	55.6	52.9	4.9	4.9	4.6
Bakersfield	188.3	197.8	194.3	15.3	16.0	14.8	8.1	8.1	7.6
Fresno	283.9	277.1	282.4	24.6	24.7	23.4	8.7	8.9	8.3
Los Angeles—Long Beach ²	3,662.0	3,613.0	3,601.0	255.0	253.0	236.0	7.0	7.0	6.5
Modesto	138.7	133.7	141.1	15.2	17.9	15.2	11.0	13.4	10.8
Oxnard—Simi Valley—Ventura	235.9	240.8	241.9	20.6	20.9	20.2	8.7	8.7	8.4
Riverside—San Bernardino—Ontario	575.0	587.6	586.2	55.4	55.1	52.3	9.6	9.4	8.9
Sacramento	479.2	481.8	487.6	40.0	42.2	38.3	8.4	8.8	7.9
Salinas—Seaside—Monterey	134.6	133.4	134.2	11.3	11.6	10.3	8.4	8.7	7.7
San Diego	764.4	774.2	778.2	56.3	55.8	52.7	7.4	7.2	6.8
San Francisco—Oakland	1,640.0	1,666.3	1,673.0	103.5	104.7	97.4	6.3	6.3	5.8
San Jose	764.8	776.6	784.6	42.5	50.6	45.1	5.6	6.5	5.7
Santa Barbara—Santa Maria—Lompoc	149.4	152.4	150.5	8.8	9.3	8.7	5.9	6.1	5.8
Santa Rosa	134.5	130.9	135.9	10.5	10.8	10.0	7.8	8.3	7.3
Stockton	168.0	164.6	170.4	15.9	17.7	15.9	9.5	10.7	9.3
Vallejo—Fairfield—Napa	130.9	135.3	135.3	10.3	10.5	9.5	7.8	7.8	7.0
COLORADO	1,495.5	1,508.8	1,513.9	79.6	78.7	71.7	5.3	5.2	4.7
Denver—Boulder	880.0	887.6	892.7	43.9	43.2	40.0	5.0	4.9	4.5
CONNECTICUT	1,616.2	1,605.3	1,597.8	103.7	101.6	100.2	6.4	6.3	6.3
Bridgeport	200.1	195.3	194.9	13.2	12.1	11.8	6.6	6.2	6.1
Hartford	386.6	389.0	386.2	20.4	22.2	23.3	5.3	5.7	6.0
New Britain	77.4	76.0	76.9	6.5	5.4	6.0	8.4	7.1	7.8
New Haven—West Haven	207.2	201.5	199.9	13.3	13.9	13.4	6.4	6.9	6.7
Stamford	120.2	123.3	122.5	4.7	4.9	4.7	3.9	3.9	3.9
Waterbury	111.7	109.2	107.9	9.6	9.3	7.8	8.6	8.5	7.3
DELAWARE	286.5	290.5	289.2	25.1	21.4	26.2	8.8	7.4	9.1
Wilmington	250.9	254.1	254.1	22.5	18.6	24.8	9.0	7.3	9.7
DISTRICT OF COLUMBIA	323.6	311.2	305.2	24.1	31.9	30.5	7.4	10.2	10.0
Washington SMSA ¹	1,657.2	1,679.9	1,656.8	70.2	90.2	85.2	4.2	5.4	5.1
FLORIDA²	3,925.0	4,200.7	4,177.8	265.0	271.7	278.5	6.7	6.5	6.7
Bradenton	55.3	57.5	57.0	3.3	3.5	3.4	6.0	6.1	6.0
Daytona Beach	95.8	102.5	102.5	5.6	5.4	6.1	5.8	5.3	6.0
Fort Lauderdale—Hollywood	426.6	445.7	442.5	21.1	21.4	22.7	4.9	4.8	5.1
Fort Myers—Cape Coral	72.8	79.8	79.6	4.3	4.2	4.6	5.9	5.2	5.8
Gainesville	65.4	73.2	73.2	3.2	2.9	3.2	5.0	3.9	4.3
Jacksonville	297.5	320.4	319.5	17.4	18.3	18.9	5.9	5.7	5.9
Lakeland—Winter Haven	126.0	133.4	134.1	18.4	19.3	20.6	14.6	14.5	15.4
Melbourne—Titusville—Cocoa	107.0	115.5	114.8	8.0	8.9	9.0	7.4	7.7	7.8
Miami	731.5	764.1	757.7	48.2	46.6	46.9	6.6	6.1	6.2
Orlando	320.1	349.8	348.8	21.6	23.4	23.8	6.7	6.7	6.8
Panama City	37.9	40.0	39.7	3.1	3.1	3.3	8.1	7.7	8.4
Pensacola	107.8	117.6	116.9	6.6	6.2	6.5	6.1	5.2	5.6
Sarasota	68.5	75.7	74.8	3.5	3.3	3.4	5.1	4.4	4.5
Tallahassee	75.8	80.2	78.1	3.3	3.6	3.5	4.3	4.5	4.4
Tampa—St. Petersburg	603.6	648.8	647.0	36.2	36.6	37.1	6.0	5.6	5.7
West Palm Beach—Boca Raton	229.9	245.9	244.1	16.8	18.2	17.5	7.3	7.4	7.2

See footnotes at end of table

STATE AND AREA UNEMPLOYMENT DATA

E-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. 1980	JUL. 1981	AUG. 1981 P	AUG. 1980	JUL. 1981	AUG. 1981 P	AUG. 1980	JUL. 1981	AUG. 1981 P
GEORGIA	2,407.3	2,445.9	2,460.4	166.0	152.8	146.0	6.9	6.2	5.9
Albany	49.6	52.9	51.9	4.2	5.1	3.9	8.6	9.7	7.5
Atlanta	969.8	994.0	997.8	60.1	54.6	54.4	6.2	5.5	5.5
Augusta	123.5	125.8	125.9	8.9	8.3	7.8	7.2	6.6	6.2
Columbus ¹	82.9	84.7	84.4	6.6	6.4	6.3	8.0	7.6	7.5
Macon	99.1	100.5	101.2	6.0	5.8	5.9	6.1	5.8	5.9
Savannah	87.6	89.3	90.5	6.0	5.1	5.0	6.9	5.7	5.5
HAWAII	404.1	415.3	411.2	19.8	22.6	21.1	4.9	5.5	5.1
Honolulu	315.0	324.7	321.5	14.8	16.3	15.3	4.7	5.0	4.7
IDAHO	436.6	434.2	433.1	35.1	29.1	28.4	8.0	6.7	6.6
Boise City	89.7	89.2	88.4	5.3	4.8	4.6	6.0	5.4	5.2
ILLINOIS²	5,419.0	5,602.1	5,580.3	457.0	430.0	448.7	8.4	7.7	8.0
Bloomington—Normal	57.1	60.9	59.2	3.3	3.7	3.5	5.9	6.0	5.9
Champaign—Urbana—Rantoul	76.5	82.4	81.6	4.3	4.7	4.5	5.7	5.7	5.6
Chicago	3,419.5	3,509.7	3,493.7	273.1	262.2	277.8	8.0	7.5	8.0
Davenport—Rock Island—Moline ¹	185.5	190.4	190.1	14.4	13.6	16.2	7.8	7.1	8.5
Decatur	59.8	62.5	62.2	7.1	6.4	6.2	11.8	10.2	10.0
Kankakee	42.0	41.9	41.7	4.8	4.6	4.8	11.5	11.1	11.5
Peoria	170.4	175.0	175.3	13.8	11.9	12.4	8.1	6.8	7.1
Rockford	132.8	136.0	137.1	14.3	11.3	12.3	10.7	8.3	9.0
Springfield	100.1	98.9	102.4	7.0	6.1	6.1	7.0	6.2	5.9
INDIANA	2,626.2	2,591.4	2,600.0	277.9	235.9	227.2	10.6	9.1	8.7
Anderson	58.6	55.3	54.7	11.6	6.1	6.0	19.8	11.0	10.9
Elkhart	68.4	67.0	66.8	8.4	5.6	5.1	12.3	8.3	7.6
Evansville ¹	147.4	148.2	149.0	10.2	10.7	11.1	6.9	7.2	7.4
Fort Wayne	197.6	192.4	192.9	21.5	16.6	15.3	10.9	8.6	7.9
Gary—Hammond—East Chicago	301.7	294.7	295.4	39.7	31.4	30.6	13.2	10.7	10.4
Indianapolis	607.4	611.2	613.3	50.6	49.5	48.3	8.3	8.1	7.9
Lafayette—West Lafayette	59.0	59.7	59.2	4.0	3.9	3.5	6.8	6.6	5.9
Muncie	55.3	55.3	55.3	6.9	6.0	6.1	12.4	10.8	11.1
South Bend	138.4	134.4	133.6	13.0	11.0	10.4	9.4	8.2	7.8
Terre Haute	80.5	78.5	77.5	6.2	6.9	6.6	7.7	8.8	8.5
IOWA	1,466.9	1,463.9	1,431.6	107.5	89.7	87.4	7.3	6.1	6.1
Cedar Rapids	91.1	87.9	86.6	7.7	6.4	6.2	8.4	7.3	7.2
Des Moines	184.7	184.7	181.1	12.3	12.4	11.5	6.6	6.7	6.3
Dubuque	45.8	45.4	44.6	4.1	4.3	3.9	8.9	9.4	8.8
Sioux City ¹	54.3	52.6	52.0	3.8	3.8	3.6	7.0	7.1	7.0
Waterloo—Cedar Falls	69.7	68.2	66.5	14.3	5.3	5.2	20.5	7.8	7.9
KANSAS	1,194.8	1,232.8	1,223.9	55.7	50.2	49.5	4.7	4.1	4.0
Lawrence	34.1	34.2	34.6	1.6	1.7	1.6	4.6	5.0	4.5
Topeka	95.8	98.8	97.7	5.6	5.3	5.0	5.8	5.3	5.1
Wichita	225.7	236.2	235.3	10.2	9.5	10.4	4.5	4.0	4.4
KENTUCKY	1,641.5	1,660.0	1,662.9	140.5	119.2	118.3	8.6	7.2	7.1
Lexington—Fayette	174.3	177.8	179.3	8.7	7.9	7.3	5.0	4.5	4.1
Louisville ¹	434.9	440.6	442.4	39.6	33.2	36.9	9.1	7.5	8.3
Owensboro	42.6	43.6	43.7	3.3	2.9	2.7	7.7	6.7	6.2
LOUISIANA	1,734.3	1,805.4	1,792.3	111.0	154.0	146.7	6.4	8.5	8.2
Alexandria	68.3	69.7	69.6	5.9	7.4	7.3	8.7	10.6	10.4
Baton Rouge	220.0	233.5	231.1	15.8	25.0	23.4	7.2	10.7	10.1
Lafayette	80.0	87.5	87.4	2.7	3.7	3.5	3.4	4.2	4.0
Lake Charles	73.4	76.7	76.0	4.5	6.4	6.2	6.1	8.4	8.2
Monroe	52.8	54.5	53.4	4.1	5.7	5.3	7.8	10.4	10.0
New Orleans	477.1	486.8	481.6	27.5	37.7	36.7	5.8	7.7	7.6
Shreveport	153.8	160.6	157.2	10.2	12.8	12.0	6.6	8.0	7.6
MAINE	517.9	531.4	523.5	37.0	45.9	31.6	7.2	8.6	6.0
Lewiston—Auburn	38.3	38.7	37.8	3.1	4.3	2.5	8.0	11.1	6.7
Portland	91.2	93.7	91.7	5.2	6.4	4.6	5.6	6.8	5.1
MARYLAND	2,141.8	2,179.3	2,153.4	141.1	157.5	154.3	6.6	7.2	7.2
Baltimore	1,057.9	1,065.0	1,051.3	83.7	90.2	89.5	7.9	8.5	8.5

See footnotes at end of table

STATE AND AREA UNEMPLOYMENT DATA

E-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. 1980	JUL. 1981	AUG. 1981P	AUG. 1980	JUL. 1981	AUG. 1981P	AUG. 1980	JUL. 1981	AUG. 1981P
MASSACHUSETTS¹	2,938.0	3,016.9	3,040.2	175.0	200.7	218.4	6.0	6.7	7.2
Boston	1,420.8	1,492.9	1,493.8	76.8	90.4	100.2	5.4	6.1	6.7
Brockton	83.0	82.5	83.7	6.1	7.2	7.6	7.3	8.7	9.1
Fall River ¹	74.5	74.2	76.2	6.1	6.6	6.2	8.2	8.9	8.2
Lawrence—Haverhill ¹	143.7	146.2	147.3	9.0	9.8	10.3	6.3	6.7	7.0
Lowell	123.4	124.8	127.2	7.7	8.6	9.7	6.3	6.9	7.6
New Bedford	82.5	81.4	84.0	6.0	7.9	7.7	7.3	9.7	9.2
Springfield—Chicopee—Holyoke	274.0	277.3	281.1	16.8	18.6	19.8	6.1	6.7	7.0
Worcester	196.6	199.8	200.1	11.5	12.8	13.8	5.8	6.4	6.9
MICHIGAN²	4,322.0	4,480.6	4,466.7	539.0	529.8	492.0	12.5	11.8	11.0
Ann Arbor	142.1	146.5	147.3	12.2	12.9	11.1	8.6	8.8	7.6
Battle Creek	82.2	84.0	84.0	9.2	9.1	7.7	11.2	10.9	9.2
Bay City	54.0	54.4	55.0	8.4	5.9	6.1	15.5	10.8	11.1
Detroit	2,026.9	2,098.8	2,082.6	256.5	259.3	236.6	12.7	12.4	11.4
Flint	232.4	237.7	241.1	47.7	33.6	37.4	20.5	14.2	15.5
Grand Rapids	319.4	335.8	335.5	26.9	30.5	26.3	8.4	9.1	7.8
Jackson	66.3	69.0	68.2	7.8	8.0	6.5	11.8	11.7	9.5
Kalamazoo—Portage	134.7	139.2	138.1	11.2	12.4	10.7	8.3	8.9	7.7
Lansing—East Lansing	240.0	253.1	261.3	30.2	28.7	38.6	12.6	11.4	14.8
Muskegon—Norton Shores—Muskegon Heights	80.0	82.7	81.7	10.5	10.5	8.7	13.1	12.7	10.6
Saginaw	103.5	105.2	105.6	17.3	12.9	13.2	16.7	12.3	12.5
MINNESOTA	2,137.2	2,227.4	2,216.0	112.9	102.8	95.7	5.3	4.6	4.3
Duluth—Superior ¹	116.9	115.5	115.6	10.2	7.7	7.4	8.7	6.6	6.4
Minneapolis—St. Paul	1,106.7	1,178.9	1,181.9	48.8	47.3	45.6	4.4	4.0	3.9
Rochester	56.1	59.4	59.3	2.4	2.1	2.1	4.2	3.5	3.5
St. Cloud	76.1	77.2	75.9	5.4	4.5	4.1	7.1	5.8	5.4
MISSISSIPPI	1,026.2	1,018.7	1,002.7	82.8	83.8	82.8	8.1	8.2	8.3
Jackson	153.7	151.5	149.7	8.2	9.4	9.4	5.4	6.2	6.3
MISSOURI	2,310.8	2,383.5	2,366.0	175.8	165.2	159.5	7.6	6.9	6.7
Kansas City ¹	689.0	706.3	705.0	49.4	41.1	43.8	7.2	5.8	6.2
St. Joseph	45.8	46.1	45.6	3.3	3.6	3.4	7.1	7.8	7.4
St. Louis ¹	1,092.2	1,136.0	1,127.0	95.3	89.0	87.4	8.7	7.8	7.8
Springfield	102.9	109.4	109.0	6.4	6.1	5.2	6.2	5.6	4.7
MONTANA	393.8	403.8	403.7	21.1	24.8	23.8	5.4	6.1	5.9
Billings	58.2	59.6	59.6	2.6	2.9	2.7	4.5	4.9	4.6
Great Falls	35.5	35.9	35.8	2.4	2.7	2.5	6.8	7.5	7.0
NEBRASKA	780.8	813.4	794.5	30.0	30.6	27.6	3.8	3.8	3.5
Lincoln	108.3	110.1	110.6	3.8	4.1	4.0	3.5	3.8	3.6
Omaha ¹	276.1	285.4	282.3	15.6	15.3	15.0	5.6	5.4	5.3
NEVADA	382.4	394.0	398.6	23.5	26.7	24.5	6.1	6.8	6.1
Las Vegas	209.1	215.9	219.2	15.9	17.0	15.4	7.6	7.9	7.0
Reno	108.3	109.3	109.5	4.5	5.6	5.1	4.1	5.1	4.7
NEW HAMPSHIRE	469.0	482.0	479.7	21.9	24.9	21.0	4.7	5.2	4.4
Manchester	81.0	82.8	82.0	4.2	5.0	4.0	5.1	6.1	4.8
Nashua	78.1	80.6	80.5	3.4	3.9	3.8	4.3	4.8	4.8
NEW JERSEY²	3,621.0	3,622.8	3,556.7	250.0	246.1	234.8	6.9	6.8	6.6
Atlantic City	114.3	121.0	119.7	7.0	8.3	7.6	6.1	6.9	6.3
Jersey City	242.5	237.9	235.0	22.9	25.0	23.1	9.5	10.5	9.9
Long Branch—Asbury Park	238.1	250.8	246.3	14.5	15.6	15.0	6.1	6.2	6.1
New Brunswick—Perth Amboy—Sayreville	331.2	326.2	321.4	23.1	20.2	21.5	7.0	6.2	6.7
Newark	979.9	976.4	960.5	72.5	65.0	67.9	7.4	6.7	7.1
Paterson—Clifton—Passaic	210.2	210.9	205.7	18.5	18.8	16.5	8.8	8.9	8.0
Trenton	160.2	162.3	158.7	9.9	9.1	8.0	6.2	5.6	5.0
Vineland—Millville—Bridgeton	60.5	59.4	59.2	5.5	6.9	5.7	9.1	11.5	9.7
NEW MEXICO	545.9	559.1	561.8	40.4	39.9	38.9	7.4	7.1	6.9
Albuquerque	203.0	207.2	208.4	16.2	15.1	15.0	8.0	7.3	7.2

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

E-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. 1980	JUL. 1981	AUG. 1981P	AUG. 1980	JUL. 1981	AUG. 1981P	AUG. 1980	JUL. 1981	AUG. 1981P
NEW YORK²	8,149.0	8,154.9	8,053.6	640.0	630.5	567.5	7.9	7.7	7.0
Albany—Schenectady—Troy.....	385.7	381.4	386.6	22.6	22.6	21.4	5.9	5.9	5.5
Binghamton ¹	141.6	142.9	144.8	9.9	9.4	8.5	7.0	6.6	5.9
Buffalo.....	583.7	577.2	584.4	65.3	53.4	58.7	11.2	9.3	10.0
Elmira.....	40.9	40.3	40.7	3.3	3.0	2.9	8.0	7.5	7.1
Nassau-Suffolk.....	1,338.0	1,358.8	1,360.1	84.3	84.2	81.8	6.3	6.2	6.0
New York.....	3,694.4	3,682.6	3,551.5	309.1	322.4	264.9	8.4	8.8	7.5
New York City ²	3,068.0	3,052.0	2,919.0	279.0	291.0	235.0	9.1	9.5	8.1
Poughkeepsie.....	109.5	111.7	112.2	6.0	6.6	5.8	5.5	5.9	5.2
Rochester.....	473.6	479.1	483.6	29.1	28.4	27.2	6.1	5.9	5.6
Syracuse.....	304.7	303.9	306.2	24.2	20.2	19.3	7.9	6.6	6.3
Utica—Rome.....	139.7	140.1	140.6	10.7	10.2	9.7	7.6	7.3	6.9
NORTH CAROLINA	2,775.8	2,827.3	2,823.2	190.8	173.8	161.3	6.9	6.1	5.7
Asheville.....	85.2	87.3	86.6	5.1	5.2	4.7	6.0	5.9	5.4
Charlotte—Gastonia.....	350.3	356.6	355.7	16.9	17.0	16.6	4.8	4.8	4.7
Greensboro—Winston-Salem—High Point.....	417.1	432.2	430.6	28.6	25.2	24.0	6.9	5.8	5.6
Raleigh—Durham.....	287.0	294.5	292.8	12.8	13.6	12.6	4.5	4.6	4.3
NORTH DAKOTA	339.4	339.0	339.3	14.9	16.4	14.1	4.4	4.8	4.2
Fargo—Moorhead ¹	72.3	74.7	74.5	3.7	4.0	3.5	5.1	5.3	4.7
OHIO²	5,204.0	5,246.4	5,189.2	464.0	495.3	487.7	8.9	9.4	9.4
Akron.....	309.4	305.8	304.7	27.1	29.3	30.2	8.7	9.6	9.9
Canton.....	192.7	191.6	189.5	19.6	18.3	17.4	10.2	9.5	9.2
Cincinnati ¹	687.9	706.2	696.2	50.6	62.4	57.3	7.3	8.8	8.2
Cleveland.....	969.4	973.1	961.9	76.3	83.0	80.5	7.9	8.5	8.4
Columbus.....	570.2	583.7	579.5	35.0	45.8	44.8	6.1	7.8	7.7
Dayton.....	393.4	399.2	394.9	31.0	35.1	33.9	7.9	8.8	8.6
Toledo ¹	372.3	375.1	373.0	38.5	39.6	40.1	10.3	10.6	10.8
Youngstown—Warren.....	240.4	237.1	234.3	30.2	25.3	27.5	12.6	10.7	11.7
OKLAHOMA	1,328.2	1,399.5	1,397.9	66.4	42.9	39.2	5.0	3.1	2.8
Oklahoma City.....	407.4	434.2	435.1	18.9	11.8	11.4	4.6	2.7	2.6
Tulsa.....	326.6	345.9	348.0	14.8	10.5	9.4	4.5	3.0	2.7
OREGON	1,276.6	1,333.6	1,327.4	102.5	117.3	121.0	8.0	8.8	9.1
Eugene—Springfield.....	133.1	137.5	138.6	12.2	13.7	14.9	9.2	9.9	10.7
Portland ¹	624.1	654.3	645.0	40.3	50.1	49.4	6.4	7.6	7.7
Salem.....	125.3	126.3	127.9	8.0	9.4	9.3	6.4	7.5	7.3
PENNSYLVANIA²	5,420.0	5,543.7	5,529.7	450.0	448.3	426.7	8.3	8.1	7.7
Allentown—Bethlehem—Easton ¹	303.5	313.2	311.9	23.8	25.3	23.7	7.8	8.1	7.6
Altoona.....	61.3	59.9	58.9	6.1	6.8	6.3	10.0	11.4	10.7
Erie.....	128.2	127.5	126.0	12.3	13.6	11.3	9.6	10.6	9.0
Harrisburg.....	222.9	236.6	236.4	13.6	13.9	13.4	6.1	5.9	5.7
Johnstown.....	111.5	108.8	107.5	14.9	12.1	11.7	13.3	11.1	10.9
Lancaster.....	179.7	187.6	187.8	9.7	9.7	9.1	5.4	5.1	4.8
Northeast Pennsylvania.....	290.9	293.2	292.9	28.4	28.0	27.4	9.8	9.5	9.3
Philadelphia ¹	2,161.1	2,183.1	2,180.2	157.2	169.0	165.8	7.3	7.7	7.6
Pittsburgh.....	1,022.4	1,061.0	1,051.2	80.1	72.7	66.3	7.8	6.9	6.3
Reading.....	155.1	163.9	161.4	12.3	13.6	11.3	7.9	8.3	7.0
Williamsport.....	53.9	54.9	53.9	7.7	7.3	6.0	14.2	13.2	11.1
York.....	175.9	182.7	182.4	13.6	14.2	12.7	7.7	7.8	7.0
RHODE ISLAND	468.8	463.2	467.8	36.4	37.8	34.5	7.8	8.2	7.4
Providence—Warwick—Pawtucket ¹	463.1	456.0	462.2	37.1	37.9	35.3	8.0	8.3	7.6
SOUTH CAROLINA	1,322.9	1,366.6	1,354.1	99.2	103.2	95.7	7.5	7.6	7.1
Charleston—North Charleston.....	155.1	166.6	165.1	11.2	12.0	11.1	7.2	7.2	6.7
Columbia.....	171.3	176.5	174.8	8.9	9.8	9.9	5.2	5.6	5.7
Greenville—Spartanburg.....	258.0	270.7	267.8	16.4	18.0	16.9	6.3	6.6	6.3
SOUTH DAKOTA	350.7	353.2	350.4	14.9	16.8	15.5	4.3	4.8	4.4
Rapid City.....	43.5	42.6	42.6	2.0	1.9	1.9	4.5	4.5	4.3
Sioux Falls.....	63.2	63.5	63.4	2.6	3.2	2.9	4.2	5.0	4.5
TENNESSEE	2,017.9	2,060.2	2,071.9	153.3	176.8	166.7	7.6	8.6	8.0
Chattanooga ¹	186.9	189.9	191.2	12.8	15.5	14.8	6.8	8.1	7.7
Knoxville.....	212.9	220.0	223.5	12.3	15.4	15.1	5.8	7.0	6.8
Memphis ¹	393.0	400.7	403.8	24.4	32.8	32.9	6.2	8.2	8.1
Nashville—Davidson.....	410.1	415.6	418.0	24.9	27.3	26.4	6.1	6.6	6.3

See footnotes at end of table

STATE AND AREA UNEMPLOYMENT DATA

E-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. 1980	JUL. 1981	AUG. 1981P	AUG. 1980	JUL. 1981	AUG. 1981P	AUG. 1980	JUL. 1981	AUG. 1981P
TEXAS¹	6,555.0	6,730.2	6,681.3	371.0	369.8	383.4	5.7	5.5	5.7
Amarillo	87.6	90.2	88.8	3.7	4.6	4.3	4.2	5.0	4.9
Austin	252.5	263.1	261.2	10.7	9.3	10.2	4.2	3.5	3.9
Beaumont—Port Arthur—Orange	170.6	170.6	170.9	12.1	11.6	12.8	7.1	6.8	7.5
Corpus Christi	144.0	147.7	146.4	9.4	9.8	10.1	6.5	6.6	6.9
Dallas—Fort Worth	1,561.9	1,621.1	1,612.0	81.0	84.0	85.4	5.2	5.2	5.3
El Paso	176.9	178.0	176.7	17.2	17.1	16.6	9.7	9.6	9.4
Galveston—Texas City	86.0	88.3	87.0	5.5	6.3	7.0	6.4	7.2	8.0
Houston	1,511.4	1,566.4	1,561.1	67.9	71.3	75.0	4.5	4.6	4.8
Lubbock	102.7	102.8	101.2	4.9	4.9	4.9	4.7	4.8	4.9
San Antonio	434.0	441.5	438.8	30.2	30.3	32.2	6.9	6.9	7.3
Waco	81.0	81.6	80.9	5.1	4.3	4.5	6.2	5.3	5.6
Wichita Falls	61.1	63.1	62.4	2.6	2.2	2.2	4.2	3.5	3.6
UTAH	622.2	609.7	610.7	39.2	35.5	35.1	6.3	5.8	5.7
Salt Lake City—Ogden	403.4	401.9	401.3	24.7	23.2	23.0	6.1	5.8	5.7
VERMONT	246.3	254.9	255.8	16.5	13.8	11.8	6.7	5.4	4.6
VIRGINIA	2,553.7	2,579.7	2,555.9	129.6	150.7	138.6	5.1	5.8	5.4
Lynchburg	77.1	74.3	74.9	4.3	4.5	3.9	5.6	6.0	5.2
Newport News—Hampton	171.5	175.7	174.6	9.0	10.8	9.8	5.2	6.1	5.6
Norfolk—Virginia Beach—Portsmouth ¹	329.1	339.2	337.7	18.3	20.6	20.0	5.6	6.1	5.9
Petersburg—Colonial Heights—Hopewell	61.8	58.3	57.8	4.1	4.5	4.4	6.6	7.7	7.6
Richmond	330.1	335.2	333.4	11.9	14.3	13.3	3.6	4.3	4.0
Roanoke	113.7	111.8	110.6	5.6	6.5	5.8	5.0	5.8	5.2
WASHINGTON	1,915.4	1,921.4	1,907.0	136.5	174.8	169.5	7.1	9.1	8.9
Seattle—Everett	844.0	832.3	827.0	49.4	65.4	61.7	5.8	7.9	7.5
Spokane	145.5	143.7	143.5	10.3	13.2	12.5	7.1	9.2	8.7
Tacoma	173.2	171.9	171.4	12.3	15.6	15.5	7.1	9.1	9.1
WEST VIRGINIA	768.8	762.7	754.6	73.9	68.6	63.7	9.6	9.0	8.4
Charleston	129.8	124.1	124.7	10.1	8.8	8.8	7.8	7.1	7.0
Huntington—Ashland ¹	127.2	128.6	127.4	13.1	12.8	11.5	10.3	10.0	9.1
Parkersburg—Marietta ¹	73.6	71.0	70.5	7.0	6.0	5.8	9.5	8.4	8.2
Wheeling ¹	83.5	81.2	81.0	7.9	6.3	6.5	9.5	7.8	8.0
WISCONSIN	2,427.4	2,469.8	2,475.7	176.8	176.5	180.0	7.3	7.1	7.3
Appleton—Oshkosh	151.8	153.5	153.9	12.1	10.4	10.8	8.0	6.8	7.0
Eau Claire	56.4	59.7	58.7	3.7	4.4	4.1	6.7	7.4	6.9
Green Bay	90.1	93.2	94.5	5.7	7.0	7.0	6.4	7.5	7.4
Janesville—Beloit	70.1	74.2	75.4	9.9	7.8	10.3	14.2	10.5	13.7
Kenosha	61.9	59.3	59.0	4.4	5.1	4.9	7.1	8.6	8.3
La Crosse	47.1	50.3	50.4	2.6	3.3	3.6	5.5	6.5	7.1
Madison	183.7	188.0	189.3	9.0	9.9	9.9	4.9	5.3	5.3
Milwaukee	735.1	746.0	749.9	51.0	51.8	53.8	6.9	6.9	7.2
Racine	87.5	90.2	89.9	9.6	7.7	8.7	10.9	8.6	9.7
WYOMING	244.5	258.5	257.1	8.4	9.7	9.2	3.4	3.7	3.6

¹ Includes interstate portion of area located in adjacent State.

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

becomes available. Data refer to place of residence.

p = preliminary.

N.A. = not available.

NOTE: Estimates for 1980 have been benchmarked to 1980 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1981 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.

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 1,133 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 and weekly earnings, and labor turnover 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. Based on a somewhat smaller sample, labor turnover data relate to actions occurring during the entire 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 definition 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 Report 601.

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

Unemployment insurance data. The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, whether or

not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Employment and Training Administration of the Department of Labor, exclude persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (some workers in agriculture, domestic services, and religious organizations, and self-employed and unpaid family workers). Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

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

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

Agricultural employment estimates of the Department of Agriculture. The principal differences in coverage are the inclusion of persons under 16 in the 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 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 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 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.

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 1970 Census of Population, 89 percent of the black-and-other population group 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. According to the 1970 Census of Population, approximately 96 percent of their population is white.

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 interagency committee in 1969. These thresholds vary by family size, composition, and residence (farm-nonfarm). While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas and, conversely, the areas include many people who are not poor.

The *metropolitan areas* classification consists of the total of all areas encompassed by Standard Metropolitan Statistical Areas (SMSA's). The metropolitan area total is based on the number of SMSA's as defined in the 1970 Decennial Census and does not include any subsequent additions or changes. Nonmetropolitan areas refer to the total of all areas outside SMSA's. The nonmetropolitan total is disaggregated into farm and nonfarm components.

Usual weekly earnings data are provided from responses to the question "How much does . . . USUALLY earn per week at this job before deductions?" Included are any overtime pay, commissions, or tips usually received. 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.

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. This review, the most comprehensive since the 1940 census, was to reduce the size of large 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 of 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 600,000 new construction housing units, was included in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction 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.

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. There are no subsequent adjustments to independent benchmark data on labor force, employment, or unemployment. Therefore, revisions of the historical data are not an inherent feature of this statistical program.

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 same 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 latter 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 population in the same categories. The second-stage ratio estimate is done in order to increase the reliability of the estimates and is done in three steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over for the State. The second step involves "nonwhite" persons only, and is an adjustment to independent estimates of 40 age-sex-race categories across the whole Nation. (The race categories used are black and other minority races.) The third adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates within 68 age-sex-race groups. The entire second-stage 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 State population and of national age-sex-race categories, will be virtually equal to the independent population estimates.

The independent 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, 1970 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, see 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.

Prior to January 1974, the independent national controls used for the age-sex-race groups in both the second and third steps of the second-stage ratio estimation procedure were prepared by carrying forward the most recent census data (1970) after taking account of subsequent aging of the population, births, deaths, and migration between the United States and other countries. Beginning in 1974, the "inflation-deflation" method of deriving independent population controls was introduced into the CPS estimation procedures. These independent controls are prepared by inflating the most recent census counts to include the estimated net census undercount by age, sex, and

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	57,500	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.

race, aging this population forward to each subsequent month and later age by adding births and net migration, and subtracting deaths. These post-censal population estimates are then "deflated" to census level to reflect the pattern of net undercount in the most recent census by age, sex, and race. The actual percent change over time in the population in any age group is preserved.

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 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 1970 census, which was estimated at 2.5 percent of the population, with differentials by age, sex, and race similar to those observed in the CPS.

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 Current Population Survey, Design and Methodology*, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce. This last document includes a comprehensive and up-to-date discussion of various sources of error, and describes attempts to measure them in the CPS.

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

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.

2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average of all possible samples.

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

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

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

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

not published when the monthly base is less than 75,000 or the annual average base is less than 35,000.

Tables F and G show generalized standard errors for monthly level and month-to-month change for unemployment rates.

Generalized standard errors for estimated monthly percentages and estimated month-to-month change in percentages can be obtained through the use of the standard errors in table H and the factors in table I. First obtain the standard error from table H for the specific percentage and base. The generalized standard error is then calculated by multiplying the standard error from table H by the appropriate factor from table I. When the numerator and denominator of the percentage are 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 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 on the estimated 3.6 percent is then approximately $0.09 \times 1.26 = 0.1$ percentage point.

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

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

Illustration. 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 per-

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

sons 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	Operatives, except transport	0.44	0.50
Both sexes, 16-19 years .....	.57	.67	Transport equipment operatives .....	.70	.77
White workers .....	.12	.12	Nonfarm laborers .....	.71	.81
Black (and other) workers .....	.46	.49	Service workers .....	.32	.36
Married men, spouse present .....	.15	.16	Farm workers .....	.54	.62
Married women, spouse present .....	.21	.23	INDUSTRY		
Full-time workers .....	.12	.13	Nonagricultural private wage and salary workers .....	.13	.13
Part-time workers .....	.32	.40	Construction .....	.59	.70
Unemployed 15 weeks and over .....	.06	.07	Manufacturing .....	.27	.30
OCCUPATION			Durable goods .....	.37	.41
White-collar workers .....	.12	.13	Nondurable goods .....	.39	.45
Professional and technical .....	.18	.20	Transportation and public utilities .....	.38	.42
Managers and administrators, except farm .....	.20	.23	Wholesale and retail trade .....	.26	.29
Sales workers .....	.36	.41	Finance and service industries .....	.17	.19
Clerical workers .....	.23	.25	Government workers .....	.20	.23
Blue-collar workers .....	.24	.26	Agricultural wage and salary workers	1.07	1.26
Craft and kindred workers .....	.33	.37			

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, C, and D tables)

COLLECTION

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

Federal-State cooperation

Under cooperative arrangements, responding establishments report employment, hours, and earnings data and/or labor turnover 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

Two types of data collection schedules are used: Form BLS 790—Report on Employment, Payroll, and Hours; and Form DL 1219—Monthly Report on Labor Turnover. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered on the space allotted for that month. This "shuttle" procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures that have been reported for previous months.

Form BLS 790 provides for entry of data on the total number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, employment, payroll, and hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month. Form DL 1219 provides for the collection of information on the total number of accessions and separations, by type, during the calendar month, and total employment during the pay period which includes the 12th of the month.

CONCEPTS

Industrial classification

Establishments reporting on Form BLS 790 and Form DL 1219 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, earnings, and labor turnover for the Nation and for most 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 sectors.

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 or 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, or 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, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), and recordkeeping and other services closely associated with the above production operations.

Construction workers include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, laborers, etc., whether working at the site of construction or 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 and 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.

Spendable average weekly earnings. Spendable average weekly earnings in current dollars are obtained by deducting estimated Federal social security and income taxes from average weekly earnings. The amount of income tax liability depends on the number of dependents supported by the worker, the worker's marital status and level of gross income. To reflect these variables, the Bureau calculates two sets of spendable earnings series based on the assumptions that the worker earned the gross average weekly earnings and was taxed at the rates applicable to either (1) a single worker with no dependents, or (2) a married worker with three dependents who files a joint return. The computations are based on gross average weekly earnings for all production or nonsupervisory workers in the industry division excluding other income and income earned by other family members.

The series reflect the spendable earnings of only those workers, with no dependents or three dependents, whose gross weekly pay approximates the average earnings indicated for all production and nonsupervisory workers. It does not reflect, for example, the average earnings of all married workers with three dependents; such workers, in fact, have higher gross average earnings than workers with no dependents.

Since part-time as well as full-time workers are included, and since the proportion of part-time workers has been rising, the series understates the increase in earnings for full-time workers. As noted, "fringe benefits" are not included in the earnings. For a more complete discussion of the uses and limitations of these series, see the article by Paul M. Schwab, "Two Divergent Measures of Purchasing Power," in the *Monthly Labor Review* for August 1979. Reprints of this article are available upon request from the Bureau of Labor Statistics.

"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 payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

Indexes of aggregate weekly payrolls and hours. The indexes of aggregate weekly payrolls and hours are prepared by dividing the current month's aggregate by the average of the 12 monthly figures for 1977. For basic industries, the hour aggregates are the product of average weekly hours and production-worker or nonsupervisory-worker employment, and the payroll aggregates are the product of hour aggregates and average hourly earnings. At all higher 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 172 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*.

Labor turnover

Labor turnover is the gross movement of wage and salary workers into and out of employed status with respect to individual establishments. This movement, which relates to a calendar month, is divided into two broad types: *Accessions* (new hires and rehires) and *separations* (terminations of employment initiated by either employer or employee). Each type of action is cumulated for a calendar month and expressed as a rate per 100 employees. The data relate to all employees, whether full- or part-time, permanent or temporary, including executive, office, sales, other salaried personnel, and production workers. The inclusion of transfers to or from another establishment of the company as separations and accessions began January 1959.

Accessions are the total number of permanent and temporary additions to the employment roll, including both new and rehired employees.

New hires are temporary or permanent additions to the employment roll of persons who have never before been employed in the establishment (except employees transferring from another establishment of the same company) or of former employees not recalled by the employer.

Recalls are permanent or temporary additions to the employment roll of persons specifically recalled to a job in the same establishment of the company following a period of layoff lasting more than 7 consecutive days. (The collection of recalls, as a separate item, began January 1976.)

Other accessions are all additions to the employment roll which are not classified as new hires or recalls. These include transfers from other establishments of the company and former employees returning from military leave or other absences without pay who have been counted as separations. Data on other accessions are not published separately but are included in total accessions.

Separations are terminations of employment during the calendar month and are classified according to cause—quits, layoffs, and other separations—defined as follows:

Quits are terminations of employment initiated by employees, failure to report after being hired (if counted as new hires previously), and unauthorized absences, if, on the last day of the month, the person has been absent more than 7 consecutive calendar days.

Layoffs are suspensions without pay lasting or expected to last more than 7 consecutive calendar days, initiated by the employer without prejudice to the worker.

Other separations, which are not published separately but are included in total separations, are terminations of employment because of discharge, permanent disability, death, retirement, transfer to another establishment of the company, and entrance into the Armed Forces for a period expected to last more than 30 consecutive calendar days.

Relationship of labor turnover to employment series

Month-to-month changes in total employment in manufacturing industries reflected by labor turnover rates are not strictly comparable with the changes shown in the Bureau's employment series for the following reasons: (1) Accessions and separations are computed for the entire calendar month; the employment reports refer to the pay period which includes the 12th of the month; and (2) employees on strike are not counted as turnover actions although such employees are excluded from the employment estimates if the work stoppage extends through the report period.

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. The labor turnover estimates are stratified by industry only.

Benchmark adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1980 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 1980 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

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

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.
Labor turnover rates	The number of particular actions (e.g., quits) in reporting establishments divided by total employment in those firms. The result is multiplied by 100.	Average, weighted by employment, of the rates for component cells.
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.
Labor turnover rates	Annual average aggregate (of each labor turnover action) divided by annual average employment.	Annual average aggregate (of each labor turnover action) divided by annual average employment.

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.

Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1980

Industry division	Benchmark, March 1980	Estimate, March 1980	Percent difference
Total	90,253,000	90,316,000	0.1
Mining	990,000	996,000	.6
Construction	4,087,000	4,150,000	1.5
Manufacturing	20,722,000	20,793,000	.3
Transportation and public utilities	5,127,000	5,143,000	.3
Wholesale and retail trade	20,068,000	20,226,000	.7
Finance, insurance, and real estate	5,090,000	5,085,000	-.1
Services	17,636,000	17,478,000	-.9
Government	16,533,000	16,445,000	-.5

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

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

Coverage

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

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 1980¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	166,300	35,270,000	38
Mining	2,100	369,000	37
Construction	16,100	739,000	18
Manufacturing	44,200	11,175,000	54
Transportation and public utilities:			
Railroad transportation (ICC)	40	482,000	90
Other transportation and public utilities	7,600	2,623,000	57
Wholesale and retail trade	41,100	3,288,000	16
Finance, insurance, and real estate	11,200	1,826,000	36
Services	25,500	3,516,000	20
Government:			
Federal ²	4,500	2,869,000	100
State and local	13,900	8,383,000	61

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 4,500 reports covering about 55 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 P 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 P and for individual industries with the specified number of employees in table Q. 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

Table O. Approximate size and coverage of BLS labor turnover sample, March 1980

Industry	Employees	
	Number reported	Percent of total
Total	9,252,000	40
Manufacturing	8,461,000	41
Mining	227,000	23
Telephone communication	744,000	70

Table P. 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	1.0	.5	.5
Construction	1.7	.2	.3
Manufacturing .....	.3	.1	.1
Durable goods .....	.4	.1	.1
Nondurable goods .....	.4	.1	.1
Transportation and public utilities .....	.4	.7	.4
Trade .....	.4	.1	.2
Wholesale .....	.7	.2	.3
Retail .....	.4	.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: 1970, 1971, 1974, 1978, 1979 and 1980.

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.

error from the averages that would have been obtained from a complete census.

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

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

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

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

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

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

PRODUCTIVITY DATA

Tables C-10, C-11, and C-12 are compiled by the Bureau of Labor Statistics from establishment data and from estimates of compensa-

Table R. Errors of preliminary employment estimates

Category	Root-mean-square error of—	
	Monthly level	Month-to-month change
INDUSTRY DIVISIONS		
Total nonagricultural employment	83,000	69,000
Mining	5,000	5,000
Construction	19,000	16,000
Manufacturing	29,000	27,000
Durable two-digit industries	3,700	3,500
Nondurable two-digit industries	2,500	2,500
Transportation and public utilities	14,000	14,000
Wholesale and retail trade	30,000	27,000
Finance, insurance, and real estate	8,000	7,000
Services	31,000	26,000
Government	46,000	36,000
DETAILED INDUSTRIES: SIZE OF EMPLOYMENT ESTIMATE		
50,000	300	400
100,000	700	700
200,000	1,100	1,100
500,000	3,900	4,100
1,000,000	3,800	3,900
2,000,000	6,000	6,100

NOTE: Division level data are based on differences from January 1975 through December 1980. Detailed industry data are based on differences from August 1978 through June 1979.

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

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

Unit labor costs measure the labor compensation cost required to produce one unit of output and are derived by dividing compensation per hour by output per hour. *Unit nonlabor payments* include profits, depreciation, interest, and indirect taxes per unit of output. They are

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

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

Notes on the data

For the 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 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 (E table)

FEDERAL-STATE COOPERATIVE PROGRAM

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

ESTIMATING METHODS

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

Monthly 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 employment 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 either 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 unemployment 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 the 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 to 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 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 second-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 the CPS annual averages.

Seasonal Adjustment

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

The seasonal adjustment programs 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. 12-564E, February 1980. The X-11 procedure was originally developed at the Bureau of the Census and had been used by the BLS to seasonally adjust labor force series since 1973. Tests have shown that use of the X-11 ARIMA procedure, which essentially places more emphasis on recent data, provides better seasonal adjustments than does the X-11 method alone.

The second change is that seasonal factors are now 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.

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 1980, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1981, and a description of the current seasonal adjustment methodology are published in the January 1981 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the entire 5-year revision period for a broader range of labor force series appear in the February 1981 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 1981. 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 weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory

workers, seasonally adjusted, and dividing by the 1977 base. For total private, total goods-producing, total private service-producing, trade, manufacturing, and durable and nondurable goods industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1977 base.

Seasonally adjusted data are not published for a number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. 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.

For labor turnover rates, seasonal adjustment factors are applied directly to the component series. These series are then aggregated to obtain total levels (total accessions and total separations). These factors are derived by the *X-11 ARIMA Method* using the trading day option except for recalls. As a result, these series are adjusted for the number of times each day of the week occurs in a given month, as well as for the month of the year.

The revised seasonally adjusted series for the establishment data reflect experience through March 1981. Seasonal factors to be used for current adjustment appear in the July 1981 issue of *Employment and Earnings*.

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

BLS Region	
IV ALABAMA	-Department of Industrial Relations, Industrial Relations Building, Room 427, Montgomery 36130
X ALASKA	-Employment Security Division, Department of Labor, P.O. Box 3-7000, Juneau 99802
IX ARIZONA	-Department of Economic Security, P.O. Box 6123, Phoenix 85005
VI ARKANSAS	-Employment Security Division, Department of Labor, P.O. Box 2981, Little Rock 72203
IX CALIFORNIA	-Employment Development Department, P.O. Box 1679, Sacramento 95808 (CES).
III COLORADO	-Division of Employment and Training, 1278 Lincoln Street, Denver 80203
I CONNECTICUT	-Employment Security Division, Labor Department, 200 Folly Brook Boulevard, Wethersfield 06109
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VII IOWA	-Department of Job Service, 1000 East Grand Avenue, Des Moines 50319
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IV KENTUCKY	-Department of Human Resources, 275 E. Main Street, 2nd Floor West, Frankfort 40621
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VII NEBRASKA	-Division of Employment, Department of Labor, P.O. Box 94600, Lincoln 68509
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