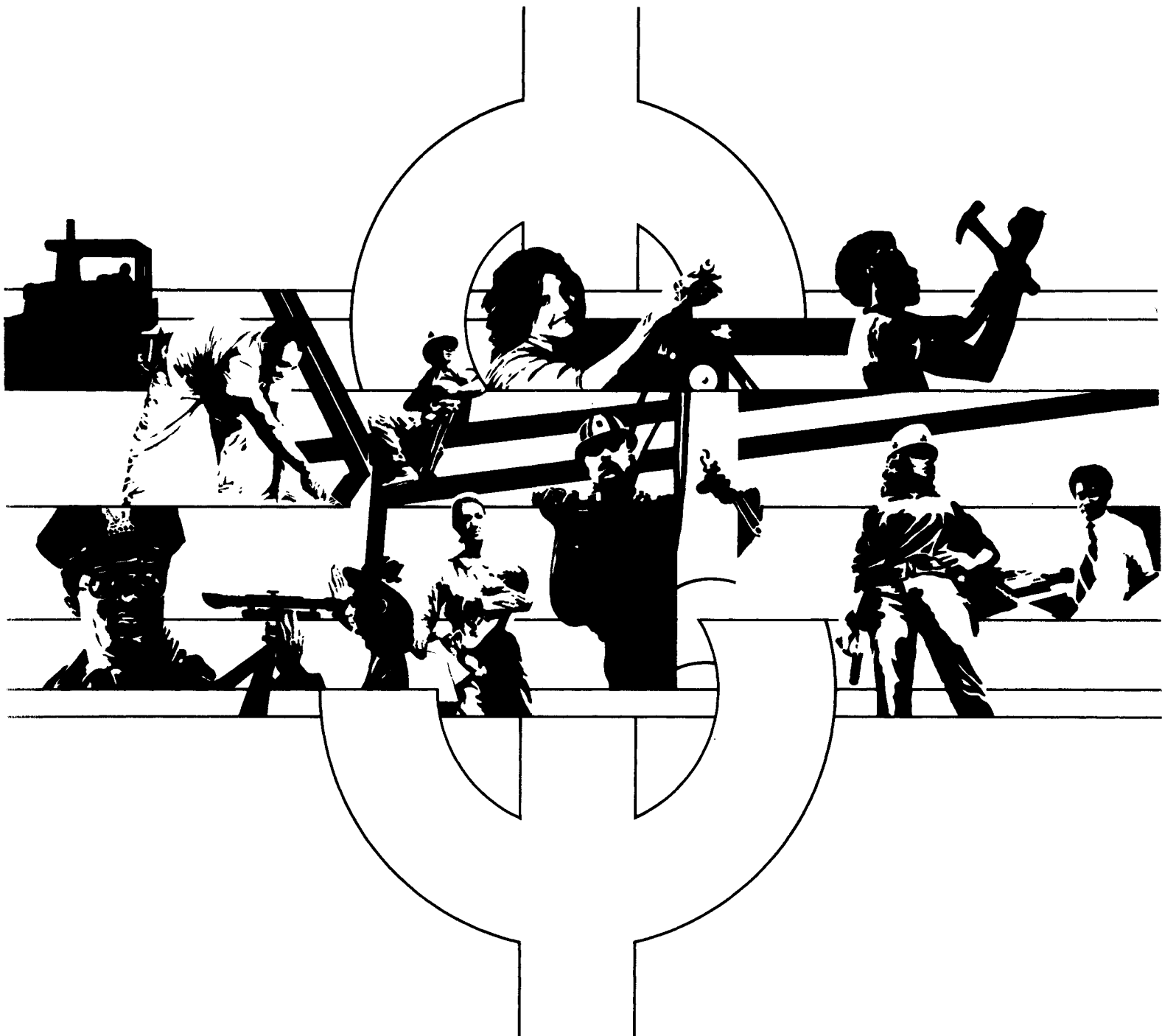


Employment and Earnings

June 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

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

Employment and Earnings may be ordered through the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Subscription price per year \$22 domestic, and \$27.50 foreign. Single copy \$2.75. Annual supplement \$3.25. Prices are subject to change by the U.S. Government Printing Office.

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The Secretary of Labor has determined that publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through July 1, 1985. Controlled circulation postage paid by Riverdale, Md.

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Library of Congress Catalog Number 70-11379.

Employment and Earnings (Dept. of Labor Pub.) (USPS 081-990)

Calendar of Features

In addition to the monthly data appearing regularly in *Employment and Earnings* special features appear in most of the issues as shown below:

Household data

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

Establishment data

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Industry detail (final)	Mar.
Women employment detail (final)	Mar.
National data adjusted to new benchmarks	July ¹
Revised historical national data adjusted to new benchmarks	Supplement ²
Revised seasonally adjusted series	July ³
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 1980 issue introduced March 1979 benchmarks.

² Month of publication of annual supplement varies. The latest supplement was published in September 1980.

³ Issue varies. Latest revised data introduced July 1980.

⁴ These data first introduced in the May 1981 issue.

Employment and Earnings

Vol. 28 No. 6 June 1981

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

Editors' note

The establishment-based series on employment, hours, and earnings in next month's *Employment and Earnings* will reflect the annual revisions to new benchmark levels and updated seasonal adjustment factors. At the same time, the indexes of aggregate hours, payrolls, and hourly earnings will be converted to a 1977 base year.

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Employment and Unemployment Developments, May 1981

Unemployment rose in May, while the two major employment series showed differing movements, the Bureau of Labor Statistics of the U.S. Department of Labor reported today. The jobless rate in May, at 7.6 percent, was up from the 7.3 percent registered during the prior 3 months.

The series on total employment—derived from the monthly survey of households—increased by 260,000 in May. In contrast, the series on nonfarm payroll employment—derived from the monthly survey of establishments—was unchanged over the month. Although developments in the two series have been dissimilar in recent months, both have shown strength over the past year.

Unemployment

The number of unemployed workers rose by 425,000 on a seasonally adjusted basis to 8.2 million in May. Increases occurred among persons on layoff and those permanently separated from their last jobs (job losers), workers who voluntarily left their last jobs, and those who reentered the labor force after a period of absence. (See tables A-33 and A-39.)

The overall unemployment rate was 7.6 percent in May, 0.3 percentage point above the February-April level. This increase followed 5 months of relative stability and returned the rate to the 1980 peak last recorded in October. Jobless rate increases were registered among most worker groups. The rate for adult men (6.3 percent), which had been edging down over the past few months, returned to its late-1980 level; the increase was especially sharp among 20- to 24-year-olds. Jobless increases for women were among those 25-54 years of age. Rates for whites (6.8 percent) and Hispanics (10.2 percent) rose in May, and substantial increases also occurred for full-time workers (7.3 percent) and for workers in the construction (16.3 percent) and trade industries (8.4 percent). On the other hand, unemployment rates for teenagers (19.5 percent) and black and other workers (13.6 percent) were little changed over the month. (See tables A-36 and A-38.)

As usually occurs with a rise in unemployment, the number of persons out of work for less than 5 weeks also increased. As a result of this movement, the average (mean) duration of unemployment fell half a

week to 13.2 weeks, its lowest level since last September. The median duration of joblessness followed suit, dropping to 7.1 weeks. (See table A-37.)

Total employment and the labor force

Total employment rose by 260,000 in May (after adjustment for seasonal variation) to 99.2 million. Adult women accounted for most of this increase. Since May 1980, total employment has grown by 2.1 million, with adult women comprising two-thirds of the gain. (See table A-33.)

The civilian labor force grew by 680,000 over the month to 107.4 million. This increase was attributable to both adult men and women. At 64.6 percent, the labor force participation rate for all workers surpassed its previous all-time high.

Industry payroll employment

Nonfarm payroll employment rose in line with normal seasonal expectations in May and, after adjustment for seasonality, was unchanged from the April level of 91.5 million. There were some offsetting movements, however, as employment rose markedly in both the trade and services industries, while there were reductions in construction and government. (See table B-4.)

The decline in construction jobs totaled 125,000, and, while in part a result of strike activity, it primarily reflected a continuing deterioration in the industry. After posting increases throughout the last half of 1980, construction employment has decreased steadily since January of this year.

Manufacturing employment was basically unchanged over the month. Movements among the individual industries were generally small and offsetting, with machinery employment posting the largest gain—about 15,000—and transportation equipment the biggest decline—also 15,000. Over the longer term, machinery and electrical equipment have shown consistent growth since their low points of last summer.

Employment in mining remained at the April level of 950,000. Employment was off by about 160,000 in both months as a result of the coal miners' strike.

Job growth continued in the services industry, as employment rose by 90,000 over the month. Retail trade employment increased by 75,000, recouping most of the

job loss posted between March and April. Elsewhere in the service-producing sector, there was a small gain in finance, insurance, and real estate, while employment in government edged down.

Hours of work

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls edged down a tenth of an hour in May to 35.3 hours, while the manufacturing workweek, at 40.2 hours, was up a tenth. Factory overtime rose 0.2 hour to 3.1 hours. (See table C-7.) There has been little change in total private hours since last October, while manufacturing hours have generally continued to rise.

Reflecting the slight decline in the average workweek, the index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls decreased 0.3 percent in May to 125.9 (1967 = 100). The manufacturing index was little changed over the month. The two indexes were up by 2.0 and 2.8 percent, respectively, over the past year. (See table C-8.)

Hourly and weekly earnings

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls rose 0.6 percent over the month (seasonally adjusted). Average weekly earnings were up 0.3 percent from April. Before adjustment for seasonality, average hourly earnings increased 3 cents in May to \$7.16, 59 cents above the year-earlier level. Average weekly earnings were \$252.03, up \$1.05 from April and \$22.08 from May 1980. (See tables C-1 and C-9.)

The Hourly Earnings Index

The Hourly Earnings Index—earnings adjusted for overtime in manufacturing, seasonality, and the effects of changes in the proportion of workers in high-wage and low-wage industries—was 271.5 (1967 = 100) in May, 0.6 percent higher than in April. The Index was 9.4 percent above May a year ago. In dollars of constant purchasing power, the Index decreased 0.4 percent during the 12-month period ended in April. (See table C-9.)

HOUSEHOLD DATA HISTORICAL

A-1. Employment status of the noninstitutional population 16 years and over, 1947 to date

(Numbers in thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Annual averages										
1947.....	103,418	60,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,523	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,607	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	62,204	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	110,603	66,560	60.2	63,015	61,179	6,260	54,919	1,834	2.9	44,041
1954.....	111,670	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.....	113,808	69,409	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,069	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336
1958.....	116,360	70,275	60.4	67,639	63,036	5,586	57,450	4,622	6.8	46,088
1959.....	117,879	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960
1960 ¹	119,758	72,142	60.2	69,629	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.....	122,980	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,153	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,223	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.....	135,561	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,840	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,192	85,303	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,597	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.....	150,826	93,240	61.8	91,011	85,935	3,492	82,443	5,076	5.6	57,587
1975.....	153,448	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	84,198	7,288	7.7	59,130
1977.....	158,559	99,534	62.8	97,401	90,546	3,244	87,302	6,855	7.0	59,025
1978 ¹	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.....	166,240	106,921	64.3	104,719	97,270	3,310	93,960	7,448	7.1	59,425
Monthly data, seasonally adjusted²										
1980:										
May.....	165,880	107,148	64.6	105,060	97,116	3,352	93,764	7,944	7.6	58,739
June.....	165,105	106,683	64.2	104,591	96,780	3,232	93,548	7,811	7.5	59,422
July.....	166,391	107,119	64.4	105,020	96,999	3,267	93,732	8,021	7.6	59,273
August...	166,578	107,059	64.3	104,945	97,003	3,210	93,793	7,942	7.6	59,519
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.	167,231	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

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

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

HOUSEHOLD DATA HISTORICAL

A-2. Employment status of the noninstitutional population 16 years and over by sex, 1972 to date

(Numbers in thousands)

Sex, year, and month	Total noninsti- tutional popula- tion	Total labor force		Civilian labor force					Not in labor force	
		Number	Percent of popula- tion	Total	Employed		Unemployed			
					Total	Agri- cultura	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	71,021	56,479	79.5	54,203	51,963	2,833	49,130	2,240	4.1	14,541
1974.....	72,252	57,349	79.4	55,186	52,518	2,900	49,618	2,668	4.8	14,908
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	62,388	78.0	60,145	55,988	2,664	53,324	4,157	6.9	17,554
Monthly data, seasonally adjusted ²										
1980:										
May.....	79,472	62,388	78.5	60,457	55,914	2,669	53,245	4,543	7.5	17,084
June.....	79,575	62,029	77.9	60,093	55,597	2,605	52,992	4,496	7.5	17,588
July.....	79,710	62,208	78.0	60,271	55,678	2,635	53,043	4,593	7.6	17,502
August....	79,798	62,098	77.8	60,147	55,589	2,605	52,984	4,558	7.6	17,700
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	60,389	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... February... March..... April..... May.....	90,272 80,346 80,415 80,492 80,588	62,320 62,289 62,582 62,848 63,198	77.6 77.5 77.8 78.1 78.4	60,366 60,338 60,628 60,893 61,245	56,012 56,045 56,383 56,688 56,718	2,712 2,586 2,599 2,785 2,692	53,300 53,459 53,784 53,903 54,026	4,353 4,293 4,245 4,205 4,527	7.2 7.1 7.0 6.9 7.4	17,952 18,058 17,833 17,644 17,390
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.....	78,574	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	2,996	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	41,233	646	40,637	3,291	7.4	41,871
Monthly data, seasonally adjusted ²										
1980:										
May.....	86,414	44,759	51.8	44,603	41,202	683	40,519	3,401	7.6	41,655
June.....	86,530	44,655	51.6	44,498	41,183	627	40,556	3,315	7.4	41,875
July.....	86,681	44,910	51.8	44,749	41,321	632	40,689	3,428	7.7	41,771
August....	86,780	44,961	51.8	44,798	41,414	605	40,809	3,384	7.6	41,819
September	86,892	44,823	51.6	44,660	41,426	673	40,753	3,234	7.2	42,068
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... February... March..... April..... May.....	87,313 87,402 87,487 87,578 87,634	45,349 45,513 45,723 46,003 46,335	51.9 52.1 52.3 52.5 52.8	45,178 45,343 45,549 45,829 46,161	41,684 41,882 42,029 42,288 42,517	691 695 677 678 661	40,993 41,187 41,352 41,610 41,856	3,493 3,461 3,519 3,541 3,644	7.7 7.6 7.7 7.7 7.9	41,964 41,888 41,764 41,575 41,349

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

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

[Numbers in thousands]

Sex, age, and race	May 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	62,624	77.7	60,671	56,523	4,143	6.8	17,964	341	4,398	1,601	11,624
16 to 21 years	8,191	66.9	7,741	6,417	1,324	17.1	4,151	17	3,641	24	469
16 to 19 years	4,856	59.0	4,576	3,738	838	18.3	3,372	11	3,061	10	290
16 to 17 years	1,810	45.5	1,818	1,450	368	20.2	2,188	7	2,093	3	89
18 to 19 years	3,026	71.9	2,758	2,288	470	17.0	1,184	4	971	7	202
20 to 64 years	55,884	89.6	54,211	50,955	3,256	6.0	6,485	184	1,335	1,126	3,839
20 to 24 years	9,066	86.7	8,325	7,206	1,118	13.4	1,395	19	976	37	364
25 to 54 years	39,641	94.6	38,711	36,824	1,887	4.9	2,267	96	352	615	1,204
25 to 29 years	9,985	94.9	8,619	8,032	617	7.2	483	13	218	59	192
30 to 34 years	8,500	95.1	8,239	7,786	453	5.5	345	20	69	64	192
35 to 39 years	6,675	96.2	6,493	6,225	268	4.1	262	12	31	84	135
40 to 44 years	5,472	94.8	5,386	5,194	193	3.6	299	15	16	101	166
45 to 49 years	4,989	93.6	4,959	4,789	171	3.4	339	12	12	116	198
50 to 54 years	5,022	90.3	5,014	4,829	186	3.7	540	22	7	191	319
55 to 64 years	7,177	71.8	7,175	6,925	251	3.5	2,922	70	7	475	2,271
55 to 59 years	4,417	82.2	4,416	4,255	161	3.6	954	39	5	235	675
60 to 64 years	2,759	59.6	2,759	2,670	90	3.2	1,867	30	2	240	1,596
65 years and over	1,884	18.9	1,884	1,835	49	2.6	8,107	145	--	465	7,495
65 to 69 years	1,076	28.0	1,076	1,044	32	2.9	2,772	42	--	165	2,565
70 years and over	808	13.2	808	790	18	2.2	5,335	103	2	299	4,930
White											
16 years and over	55,561	78.6	54,055	50,777	3,278	6.1	15,154	266	3,459	1,256	10,173
16 to 21 years	7,341	69.3	6,852	5,790	1,062	15.5	3,249	10	2,878	19	342
16 to 19 years	4,294	61.9	4,069	3,397	672	16.5	2,636	6	2,420	8	202
16 to 17 years	1,626	48.4	1,615	1,316	298	18.5	1,733	3	1,654	3	73
18 to 19 years	2,658	74.6	2,454	2,081	373	15.2	903	3	766	5	129
20 to 64 years	40,579	90.5	48,287	45,714	2,573	5.3	5,233	139	1,037	872	3,186
20 to 24 years	7,866	87.9	7,319	6,425	893	12.2	1,086	13	789	24	260
25 to 54 years	35,163	95.4	34,421	32,951	1,470	4.3	1,685	69	244	446	926
25 to 29 years	15,391	96.2	14,904	14,072	832	5.6	600	31	203	87	279
30 to 34 years	10,828	95.4	10,605	10,248	356	3.4	404	14	29	145	217
35 to 44 years	8,944	92.9	8,912	8,630	282	3.2	681	24	12	214	430
55 to 64 years	6,549	72.7	6,548	6,339	209	3.2	2,462	57	5	402	1,999
55 to 59 years	4,035	83.5	4,034	3,895	139	3.4	796	31	4	195	567
60 to 64 years	2,514	60.1	2,514	2,443	70	2.8	1,666	26	1	207	1,432
65 years and over	1,699	18.9	1,699	1,666	33	2.0	7,284	121	2	376	6,785
Black and other											
16 years and over	7,063	71.5	6,616	5,750	866	13.1	2,810	75	939	346	1,451
16 to 21 years	1,050	53.8	889	627	262	29.5	902	7	763	5	126
16 to 19 years	572	43.9	507	341	166	32.8	736	5	641	2	88
16 to 17 years	205	31.0	203	134	69	34.1	455	4	436	--	16
18 to 19 years	368	56.7	304	207	97	31.9	281	2	205	2	72
20 to 64 years	6,306	83.5	5,925	5,241	683	11.5	1,251	46	298	255	653
20 to 24 years	1,200	79.5	1,007	782	225	22.3	310	6	187	13	103
25 to 54 years	4,478	88.5	4,290	3,374	417	9.7	581	26	109	169	278
25 to 29 years	2,094	90.2	1,954	1,716	238	12.2	228	2	84	37	105
30 to 34 years	1,319	89.4	1,275	1,170	105	8.2	156	14	17	39	85
35 to 44 years	1,366	84.4	1,061	987	74	7.0	198	10	8	93	87
55 to 64 years	627	63.5	627	586	41	6.6	360	13	2	73	272
55 to 59 years	342	70.7	382	359	22	5.8	159	9	1	40	108
60 to 64 years	246	54.9	245	226	19	7.8	202	4	1	33	164
65 years and over	184	18.3	184	168	16	9.8	823	24	--	89	710

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

(Numbers in thousands)

Sex, age, and race	May 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											
18 years and over	45,850	52.3	45,676	42,275	3,401	7.4	41,834	31,027	4,421	1,137	5,249
18 to 21 years	6,912	56.3	6,844	5,698	1,146	16.7	5,361	1,297	3,635	21	408
18 to 19 years	4,090	50.9	4,061	3,301	760	18.7	3,952	563	3,098	16	275
16 to 17 years	1,593	41.0	1,593	1,263	330	20.7	2,297	120	2,072	10	95
18 to 19 years	2,497	60.1	2,468	2,039	429	17.4	1,655	443	1,026	6	179
20 to 64 years	40,576	62.1	40,432	37,841	2,592	6.4	24,760	20,847	1,314	492	2,108
20 to 24 years	7,201	68.9	7,117	6,327	790	11.1	3,247	2,103	845	13	286
25 to 54 years	28,688	65.6	28,627	26,961	1,665	5.8	15,025	13,326	453	245	1,001
25 to 29 years	6,512	67.5	6,470	5,911	559	8.6	3,142	2,720	190	22	209
30 to 34 years	6,018	66.3	6,004	5,616	388	6.5	3,064	2,752	113	25	176
35 to 39 years	4,860	66.7	4,857	4,600	257	5.3	2,423	2,160	81	30	151
40 to 44 years	4,124	67.3	4,122	3,949	173	4.2	2,001	1,803	27	32	140
45 to 49 years	3,705	65.8	3,705	3,553	152	4.1	1,926	1,748	23	54	101
50 to 54 years	3,468	58.4	3,468	3,331	137	3.9	2,470	2,144	18	84	224
55 to 64 years	4,688	41.9	4,688	4,552	136	2.9	6,488	5,418	17	233	820
55 to 59 years	2,933	49.6	2,933	2,852	82	2.8	2,983	2,548	11	113	311
60 to 64 years	1,755	33.4	1,755	1,701	54	3.1	3,505	2,870	6	120	509
65 years and over	1,194	8.3	1,184	1,133	50	4.3	13,122	9,617	9	629	2,866
65 to 69 years	743	15.5	743	714	29	3.9	4,050	3,123	4	110	808
70 years and over	440	4.6	440	419	21	4.8	9,072	6,490	5	519	2,058
White											
18 years and over	39,741	52.2	39,615	37,004	2,611	6.6	36,337	27,635	3,382	877	4,442
18 to 21 years	6,093	59.3	6,045	5,140	904	15.0	4,187	1,059	2,800	15	313
18 to 19 years	3,660	54.5	3,640	3,016	624	17.1	3,059	459	2,382	11	206
16 to 17 years	1,448	44.7	1,447	1,174	273	18.8	1,787	103	1,610	5	70
18 to 19 years	2,213	63.5	2,193	1,842	351	16.0	1,271	356	772	7	137
20 to 64 years	35,020	62.1	34,914	32,969	1,944	5.6	21,397	18,291	994	382	1,731
20 to 24 years	6,217	70.6	6,156	5,583	573	9.3	2,583	1,718	638	12	215
25 to 54 years	24,607	65.4	24,562	23,314	1,248	5.1	13,010	11,659	344	188	818
25 to 29 years	10,654	66.7	10,614	9,932	682	6.4	5,313	4,751	224	39	301
30 to 34 years	7,717	66.7	7,713	7,382	331	4.3	3,851	3,481	87	40	244
35 to 44 years	6,236	61.9	6,236	6,000	235	3.8	3,846	3,428	35	110	273
55 to 64 years	4,196	42.0	4,196	4,073	123	2.9	5,804	4,913	12	182	697
55 to 59 years	2,635	49.9	2,635	2,560	75	2.8	2,644	2,285	11	83	266
60 to 64 years	1,561	33.1	1,561	1,513	49	3.1	3,160	2,628	1	100	431
65 years and over	1,051	8.2	1,061	1,018	43	4.0	11,881	8,885	7	484	2,505
Black and other											
18 years and over	6,109	52.6	6,062	5,272	790	13.0	5,497	3,392	1,039	260	806
18 to 21 years	819	41.1	799	558	241	30.2	1,174	238	835	6	95
18 to 19 years	430	32.5	421	285	136	32.3	893	104	717	5	68
16 to 17 years	146	22.2	146	88	57	39.4	510	17	462	5	26
18 to 19 years	284	42.5	275	197	78	23.5	384	87	255	--	42
20 to 64 years	5,557	62.3	5,518	4,871	646	11.7	3,363	2,556	320	110	377
20 to 24 years	984	59.7	961	744	217	22.6	664	385	207	2	71
25 to 54 years	4,080	66.9	4,064	3,648	417	10.3	2,015	1,667	108	57	183
25 to 29 years	1,876	67.7	1,861	1,596	265	14.3	893	721	79	9	84
30 to 34 years	1,267	68.9	1,266	1,167	99	7.8	572	482	21	21	48
35 to 44 years	937	63.0	937	884	53	5.6	550	464	7	27	51
55 to 64 years	492	41.9	492	480	13	2.6	684	504	5	51	123
55 to 59 years	299	46.9	299	291	7	2.4	339	263	--	30	45
60 to 64 years	194	36.0	194	188	5	2.8	345	241	5	21	78
65 years and over	123	9.0	123	115	8	6.2	1,241	732	2	145	361

HOUSEHOLD DATA

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981
MALES								
16 years and over	61,832	62,624	77.8	77.7	59,901	60,671	77.3	77.2
16 to 19 years	5,021	4,856	59.9	59.0	4,746	4,576	58.5	57.6
16 to 17 years	1,939	1,830	48.2	45.5	1,972	1,818	48.0	45.4
18 to 19 years	3,033	3,026	71.1	71.9	2,773	2,758	69.2	70.0
20 to 24 years	9,024	9,066	87.2	86.7	8,295	8,325	86.2	85.6
25 to 54 years	38,708	39,641	94.3	94.6	37,783	38,711	94.2	94.5
25 to 34 years	16,863	17,485	95.4	95.5	16,249	16,858	95.3	95.3
35 to 44 years	11,839	12,147	95.4	95.6	11,565	11,879	95.3	95.5
45 to 54 years	10,005	10,009	91.3	91.9	9,969	9,974	91.3	91.9
55 to 64 years	7,192	7,177	72.7	71.8	7,191	7,175	72.7	71.8
55 to 59 years	4,413	4,417	82.2	82.2	4,412	4,416	82.2	82.2
60 to 64 years	2,779	2,759	61.5	59.6	2,779	2,759	61.5	59.6
65 years and over	1,887	1,884	19.2	18.9	1,887	1,884	19.2	18.9
White								
16 years and over	55,001	55,561	78.7	78.6	53,505	54,055	78.2	78.1
16 to 19 years	4,458	4,284	62.9	61.9	4,251	4,069	61.8	60.7
16 to 17 years	1,785	1,626	51.6	49.4	1,771	1,615	51.4	48.2
18 to 19 years	2,673	2,658	73.8	74.6	2,480	2,454	72.3	73.1
20 to 24 years	7,833	7,866	88.2	87.9	7,289	7,318	87.4	87.1
25 to 54 years	34,399	35,163	95.1	95.4	33,654	34,421	95.0	95.3
25 to 34 years	14,873	15,391	96.1	96.2	14,389	14,904	96.0	96.1
35 to 44 years	10,566	10,828	96.3	96.4	10,336	10,605	96.2	96.3
45 to 54 years	8,960	8,944	92.3	92.9	8,928	8,912	92.3	92.9
55 to 64 years	6,598	6,549	73.9	72.7	6,596	6,548	73.9	72.7
55 to 59 years	4,041	4,035	83.5	83.5	4,040	4,034	83.5	83.5
60 to 64 years	2,557	2,514	62.5	60.1	2,556	2,514	62.5	60.1
65 years and over	1,715	1,699	19.4	18.9	1,715	1,699	19.4	18.9
Black and other								
16 years and over	6,831	7,063	71.2	71.5	6,397	6,616	69.8	70.2
16 to 19 years	564	572	43.2	43.8	494	507	40.0	40.8
16 to 17 years	204	205	30.8	31.0	201	203	30.5	30.9
18 to 19 years	360	368	55.9	56.7	293	304	50.8	52.0
20 to 24 years	1,192	1,200	80.9	79.5	1,007	1,007	78.1	76.5
25 to 54 years	4,309	4,478	88.4	88.5	4,129	4,290	87.9	88.1
25 to 34 years	1,990	2,094	90.7	90.2	1,860	1,954	90.1	89.6
35 to 44 years	1,274	1,319	88.9	89.4	1,228	1,275	88.6	89.1
45 to 54 years	1,045	1,066	83.5	84.4	1,041	1,061	83.5	84.3
55 to 64 years	594	627	62.0	63.5	594	627	62.0	63.5
55 to 59 years	372	382	70.2	70.7	372	382	70.2	70.7
60 to 64 years	222	246	51.9	54.9	222	245	51.9	54.9
65 years and over	173	184	17.5	18.3	173	184	17.5	18.3

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	
	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981
FEMALES								
16 years and over	44,283	45,850	51.2	52.3	44,126	45,676	51.2	52.2
16 to 19 years	4,185	4,090	51.1	50.9	4,157	4,061	50.9	50.7
16 to 17 years	1,623	1,593	40.7	41.0	1,622	1,593	40.7	40.9
18 to 19 years	2,561	2,497	60.9	60.1	2,535	2,468	60.6	59.9
20 to 24 years	7,010	7,201	67.8	68.9	6,934	7,117	67.6	68.7
25 to 54 years	27,342	29,688	63.9	65.6	27,289	28,627	63.8	65.6
25 to 34 years	11,795	12,530	65.3	66.9	11,747	12,475	65.2	66.8
35 to 44 years	8,641	8,984	66.0	67.0	8,637	8,979	65.9	67.0
45 to 54 years	6,906	7,174	59.3	62.0	6,905	7,173	59.3	62.0
55 to 64 years	4,584	4,688	41.5	41.9	4,584	4,688	41.5	41.9
55 to 59 years	2,964	2,933	48.5	49.6	2,864	2,933	48.5	49.6
60 to 64 years	1,719	1,755	33.4	33.4	1,719	1,755	33.4	33.4
65 years and over	1,163	1,184	8.3	8.3	1,163	1,184	8.3	8.3
White								
16 years and over	38,310	39,741	51.0	52.2	38,194	39,615	50.9	52.2
16 to 19 years	3,732	3,660	54.3	54.5	3,713	3,640	54.2	54.3
16 to 17 years	1,446	1,448	43.4	44.7	1,445	1,447	43.4	44.7
18 to 19 years	2,287	2,213	64.5	63.5	2,268	2,193	64.3	63.3
20 to 24 years	6,055	6,217	69.4	70.6	5,999	6,156	69.2	70.4
25 to 54 years	23,425	24,607	63.4	65.4	23,385	24,562	63.4	65.4
25 to 34 years	10,003	10,654	64.8	66.7	9,968	10,614	64.7	66.6
35 to 44 years	7,428	7,717	65.6	66.7	7,424	7,713	65.6	66.7
45 to 54 years	5,994	6,236	58.9	61.9	5,994	6,236	58.9	61.9
55 to 64 years	4,065	4,196	41.0	42.0	4,065	4,196	41.0	42.0
55 to 59 years	2,534	2,635	47.9	49.9	2,534	2,635	47.9	49.9
60 to 64 years	1,531	1,561	33.1	33.1	1,531	1,561	33.1	33.1
65 years and over	1,032	1,061	8.1	8.2	1,032	1,061	8.1	8.2
Black and other								
16 years and over	5,973	6,109	53.0	52.6	5,933	6,062	52.8	52.4
16 to 19 years	452	430	34.2	32.5	444	421	33.8	32.0
16 to 17 years	177	146	27.0	22.2	177	146	27.0	22.2
18 to 19 years	275	284	41.3	42.5	267	275	40.6	41.8
20 to 24 years	955	984	59.3	59.7	936	961	58.8	59.1
25 to 54 years	3,916	4,080	66.7	66.9	3,903	4,064	66.6	66.9
25 to 34 years	1,792	1,976	68.3	67.7	1,780	1,861	68.1	67.6
35 to 44 years	1,213	1,267	68.1	68.9	1,212	1,266	68.0	68.9
45 to 54 years	911	937	62.0	63.0	911	937	62.0	63.0
55 to 64 years	519	492	45.5	41.9	519	492	45.5	41.9
55 to 59 years	331	299	53.1	46.9	331	299	53.1	46.9
60 to 64 years	188	194	36.4	36.0	188	194	36.4	36.0
65 years and over	131	123	9.9	9.0	131	123	9.9	9.0

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

[Numbers in thousands]

Sex and age	May 1981						Not in labor force
	Civilian labor force					Percent of labor force	
	Total	Employed			Unemployed		
		Total	Agri-culture	Nonagri-cultural industries				Number
TOTAL							
16 years and over	10,705	9,186	184	9,002	1,518	14.2	7,052
16 to 19 years	796	520	16	504	276	34.7	1,431
18 to 17 years	290	180	6	174	110	38.0	857
18 to 19 years	505	380	9	371	165	32.7	574
20 to 24 years	1,716	1,305	16	1,288	411	24.0	780
25 to 54 years	6,959	6,197	99	6,097	762	10.9	2,141
25 to 34 years	3,178	2,718	30	2,688	460	14.5	877
35 to 44 years	2,128	1,936	42	1,894	192	9.0	612
45 to 54 years	1,653	1,542	27	1,515	110	6.7	652
55 to 64 years	971	922	33	889	48	5.0	910
55 to 59 years	574	550	14	537	24	4.2	435
60 to 64 years	396	372	20	353	24	6.1	476
65 years and over	264	243	19	223	21	8.0	1,789
Males							
16 years and over	5,581	4,792	166	4,626	788	14.1	2,371
16 to 19 years	437	288	15	274	149	34.1	638
18 to 17 years	173	114	6	108	59	34.1	397
18 to 19 years	262	174	8	165	88	33.6	241
20 to 24 years	872	658	16	650	204	23.4	235
25 to 54 years	3,581	3,195	85	3,109	386	10.8	485
25 to 34 years	1,620	1,399	25	1,374	220	13.6	174
35 to 44 years	1,075	977	33	944	98	9.1	131
45 to 54 years	887	817	26	791	68	7.7	180
55 to 64 years	541	504	33	471	35	6.5	316
55 to 59 years	322	305	14	292	17	5.3	143
60 to 64 years	218	199	20	180	19	8.7	174
65 years and over	151	138	17	120	14	9.3	696
Females							
16 years and over	5,124	4,394	18	4,376	730	14.3	4,681
16 to 19 years	359	232	1	230	127	35.5	793
18 to 17 years	117	66	--	66	51	43.5	460
18 to 19 years	243	166	1	165	77	31.6	333
20 to 24 years	844	637	--	638	207	24.6	545
25 to 54 years	3,378	3,002	14	2,988	376	11.1	1,656
25 to 34 years	1,558	1,319	5	1,314	240	15.4	703
35 to 44 years	1,053	959	9	950	94	8.9	481
45 to 54 years	766	725	1	724	42	5.5	472
55 to 64 years	430	418	--	418	13	2.9	594
55 to 59 years	252	245	--	245	7	2.8	292
60 to 64 years	178	173	--	173	5	3.0	302
65 years and over	113	105	2	103	7	6.6	1,093

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

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	
	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981
TOTAL								
Total noninstitutional population	165,886	169,272	71,083	72,359	78,219	79,642	16,584	16,270
Total labor force	116,115	108,474	56,811	57,768	40,098	41,760	9,206	8,946
Percent of population	64.0	64.5	79.9	79.8	51.3	52.4	55.5	55.0
Civilian labor force	104,028	106,347	55,156	56,095	39,970	41,616	8,902	8,637
Employed	96,709	98,803	51,834	52,790	37,558	38,974	7,317	7,039
Agriculture	3,436	3,435	2,422	2,391	635	620	378	424
Nonagricultural industries	93,273	95,367	49,412	50,399	36,923	38,354	6,939	6,615
Unemployed	7,318	7,545	3,322	3,305	2,411	2,642	1,585	1,597
Percent of labor force	7.0	7.1	6.0	5.9	6.0	6.3	17.8	18.5
Not in labor force	59,771	59,798	14,272	14,592	38,121	37,882	7,378	7,324
White								
Total noninstitutional population	145,016	146,793	62,790	63,795	68,269	69,359	13,957	13,639
Total labor force	93,311	95,302	50,544	51,279	34,577	36,081	8,190	7,944
Percent of population	64.3	64.9	80.5	80.4	50.6	52.0	58.7	58.2
Civilian labor force	91,698	93,670	49,253	49,986	34,481	35,975	7,964	7,708
Employed	85,980	87,781	46,597	47,380	32,682	33,987	6,700	6,413
Agriculture	3,164	3,196	2,216	2,197	594	592	354	406
Nonagricultural industries	82,816	84,585	44,381	45,183	32,088	33,395	6,347	6,007
Unemployed	5,719	5,889	2,656	2,606	1,799	1,987	1,264	1,295
Percent of labor force	6.2	6.3	5.4	5.2	5.2	5.5	15.9	16.8
Not in labor force	51,705	51,491	12,246	12,517	33,692	33,278	5,767	5,695
Black and other								
Total noninstitutional population	20,870	21,479	8,293	8,564	9,950	10,283	2,627	2,631
Total labor force	12,904	13,172	6,267	6,490	5,521	5,680	1,016	1,002
Percent of population	61.4	61.3	75.6	75.8	55.5	55.2	38.7	38.1
Civilian labor force	12,329	12,678	5,902	6,109	5,489	5,641	938	928
Employed	10,729	11,022	5,237	5,409	4,876	4,986	616	626
Agriculture	272	240	207	194	41	28	24	18
Nonagricultural industries	10,457	10,782	5,030	5,216	4,835	4,959	592	608
Unemployed	1,600	1,656	665	699	613	654	322	302
Percent of labor force	13.0	13.1	11.3	11.4	11.2	11.6	34.3	32.6
Not in labor force	8,066	8,307	2,026	2,074	4,429	4,604	1,611	1,629

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

(Numbers in thousands)

Employment status and major activity	May 1981								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
TOTAL									
Total noninstitutional population	24,814	12,541	12,273	20,870	10,590	10,280	3,944	1,951	1,993
Total labor force	15,303	7,391	6,912	13,434	7,341	6,093	1,869	1,050	819
Percent of population	61.7	66.9	56.3	64.4	69.3	59.3	47.4	53.8	41.1
Civilian labor force	14,586	7,741	6,844	12,897	6,852	6,045	1,689	889	799
Employed	12,116	5,417	5,098	10,930	5,790	5,140	1,185	627	558
Agriculture	604	506	97	576	480	96	28	27	1
Nonagricultural industries	11,512	5,911	5,601	10,355	5,310	5,044	1,158	601	557
Unemployed	2,470	1,324	1,146	1,966	1,062	904	503	262	241
Looking for full-time work	1,745	981	764	1,371	784	587	373	197	176
Looking for part-time work	725	343	382	595	278	317	130	65	65
Percent of labor force	16.9	17.1	16.7	15.2	15.5	15.0	29.8	29.5	30.2
Not in labor force	9,512	4,151	5,361	7,436	3,249	4,187	2,076	902	1,174
Major activity: going to school									
Civilian labor force	4,594	2,394	2,191	4,106	2,128	1,978	478	255	213
Employed	3,720	1,948	1,772	3,420	1,776	1,643	301	172	129
Agriculture	219	188	30	210	181	29	8	8	--
Nonagricultural industries	3,502	1,760	1,742	3,210	1,596	1,614	293	154	128
Unemployed	864	445	419	687	352	335	178	93	84
Looking for full-time work	301	156	145	228	122	106	74	34	39
Looking for part-time work	563	289	274	459	230	229	104	59	45
Percent of labor force	18.9	18.6	19.1	16.7	16.5	16.9	37.1	35.2	39.6
Not in labor force	7,276	3,641	3,635	5,673	2,878	2,800	1,598	763	835
Major activity: other									
Civilian labor force	10,001	5,348	4,653	8,790	4,723	4,067	1,211	624	586
Employed	8,396	4,469	3,927	7,511	4,014	3,497	885	455	429
Agriculture	336	318	68	366	299	67	20	19	1
Nonagricultural industries	9,010	4,151	3,859	7,145	3,715	3,430	865	436	429
Unemployed	1,605	879	727	1,279	710	570	326	169	157
Looking for full-time work	1,444	925	619	1,144	662	482	300	163	137
Looking for part-time work	162	54	108	136	48	88	26	6	20
Percent of labor force	16.1	16.4	15.6	14.6	15.0	14.0	26.9	27.0	26.8
Not in labor force	2,236	510	1,726	1,759	371	1,387	478	139	339

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

(Numbers in thousands)

Sex, age, and race	May 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.....	90,205	79,723	4,176	6,305	7.0	16,143	14,904	1,239	7.7
16 to 21 years.....	8,875	6,192	938	1,745	19.7	5,711	4,986	725	12.7
16 to 19 years.....	3,997	2,494	514	990	24.8	4,639	4,031	608	13.1
16 to 17 years.....	719	302	132	284	39.6	2,692	2,278	413	15.4
18 to 19 years.....	3,279	2,192	382	705	21.5	1,947	1,753	194	10.0
20 years and over.....	86,207	77,229	3,662	5,316	6.2	11,503	10,872	631	5.5
20 to 24 years.....	13,350	10,777	867	1,706	12.8	2,092	1,889	202	9.7
25 years and over.....	72,858	66,452	2,795	3,610	5.0	9,412	8,983	429	4.6
25 to 54 years.....	60,931	55,360	2,329	3,242	5.3	6,406	6,096	311	4.9
55 years and over.....	11,926	11,092	466	368	3.1	3,005	2,887	118	3.9
Males, 16 years and over.....	55,565	49,937	1,977	3,651	6.6	5,106	4,614	492	9.6
16 to 21 years.....	5,004	3,537	486	981	19.6	2,737	2,395	343	12.5
16 to 19 years.....	2,248	1,447	266	535	23.8	2,329	2,025	303	13.0
20 years and over.....	53,316	48,490	1,711	3,116	5.8	2,779	2,589	190	6.8
20 to 24 years.....	7,554	6,080	428	1,046	13.8	771	698	72	9.4
25 years and over.....	45,763	42,410	1,284	2,070	4.5	2,008	1,891	118	5.9
25 to 54 years.....	37,905	35,024	1,055	1,826	4.8	807	746	61	7.6
55 years and over.....	7,858	7,386	229	243	3.1	1,201	1,145	56	4.7
Females, 16 years and over.....	34,640	29,786	2,199	2,654	7.7	11,037	10,290	747	6.8
16 to 21 years.....	3,871	2,656	452	764	19.7	2,973	2,591	382	12.9
16 to 19 years.....	1,749	1,047	248	454	26.0	2,312	2,006	305	13.2
20 years and over.....	32,891	28,740	1,951	2,200	6.7	8,725	8,283	442	5.1
20 to 24 years.....	5,796	4,697	439	660	11.4	1,321	1,191	130	9.9
25 years and over.....	27,095	24,043	1,512	1,540	5.7	7,404	7,093	311	4.2
25 to 54 years.....	23,027	20,337	1,274	1,416	6.1	5,600	5,350	249	4.4
55 years and over.....	4,068	3,707	237	124	3.0	1,804	1,743	62	3.4
White									
Males, 16 years and over.....	49,517	44,962	1,666	2,889	5.8	4,538	4,149	389	9.6
16 to 21 years.....	4,404	3,215	405	784	17.8	2,448	2,170	278	11.4
16 to 19 years.....	1,989	1,328	234	428	21.5	2,080	1,836	244	11.7
20 years and over.....	47,528	43,634	1,432	2,462	5.2	2,458	2,313	145	5.9
20 to 24 years.....	6,640	5,451	354	835	12.6	678	619	59	8.7
25 years and over.....	40,888	38,183	1,078	1,627	4.0	1,780	1,694	86	4.8
25 to 54 years.....	33,721	31,406	891	1,424	4.2	699	653	46	6.6
55 years and over.....	7,167	6,777	187	204	2.8	1,081	1,041	40	3.7
Females, 16 years and over.....	29,467	25,731	1,768	1,968	6.7	10,147	9,504	643	6.3
16 to 21 years.....	3,352	2,364	401	587	17.5	2,693	2,376	317	11.8
16 to 19 years.....	1,531	939	230	362	23.7	2,109	1,847	261	12.4
20 years and over.....	27,936	24,791	1,539	1,606	5.7	8,039	7,657	382	4.7
20 to 24 years.....	4,955	4,119	366	470	9.5	1,202	1,098	104	8.6
25 years and over.....	22,981	20,672	1,173	1,137	4.9	6,837	6,559	278	4.1
25 to 54 years.....	19,341	17,326	992	1,024	5.3	5,221	4,997	225	4.3
55 years and over.....	3,640	3,346	181	113	3.1	1,616	1,562	53	3.3
Black and other									
Males, 16 years and over.....	6,048	4,975	311	762	12.6	568	465	104	18.3
16 to 21 years.....	600	322	81	197	32.8	290	224	65	22.5
16 to 19 years.....	260	120	32	108	41.4	248	189	59	23.7
20 years and over.....	5,788	4,855	279	654	11.3	321	276	45	14.0
20 to 24 years.....	914	629	74	211	23.1	93	79	13	14.4
25 years and over.....	4,874	4,226	205	443	9.1	228	197	31	13.6
25 to 54 years.....	4,193	3,617	164	403	9.6	107	93	14	13.1
55 years and over.....	691	609	42	41	5.9	120	104	17	14.2
Females, 16 years and over.....	5,172	4,056	431	686	13.3	889	785	104	11.7
16 to 21 years.....	519	292	51	176	33.9	280	215	65	23.2
16 to 19 years.....	218	108	18	92	42.2	203	159	44	21.6
20 years and over.....	4,955	3,948	412	594	12.0	686	626	60	8.7
20 to 24 years.....	841	578	73	190	22.6	119	93	27	22.3
25 years and over.....	4,114	3,370	339	403	9.8	566	533	33	5.8
25 to 54 years.....	3,686	3,010	283	392	10.6	379	354	25	6.6
55 years and over.....	428	359	56	11	2.6	187	179	8	4.3

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

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

[Numbers in thousands]

Family relationship	May 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	106,347	64.3	98,803	7,545	7.1	59,798	31,368	8,819	2,738	16,873
Husbands	39,015	80.8	37,558	1,457	3.7	9,291	115	181	980	8,015
With employed wife	21,557	92.1	20,797	760	3.5	1,850	41	96	347	1,366
With unemployed wife	1,154	93.2	998	156	13.5	85	3	1	30	51
With wife not in labor force	16,304	68.9	15,762	542	3.3	7,356	71	84	604	6,598
Wives	24,646	51.7	23,406	1,239	5.0	23,661	21,174	331	308	1,848
With employed husband	21,796	58.7	20,797	998	4.6	15,762	14,602	265	122	772
With unemployed husband	916	62.8	760	156	17.0	542	498	13	4	27
With husband not in labor force	1,934	70.8	1,850	85	4.4	7,356	6,075	52	181	1,049
Relatives in married-couple families	13,158	61.8	11,185	1,973	15.0	8,125	891	5,625	295	1,314
16 to 19 years	5,024	54.8	4,953	71	16.4	4,888	144	4,415	19	309
20 to 24 years	4,850	75.2	4,115	736	15.2	1,596	162	1,107	27	301
25 years and over	2,384	59.2	2,117	266	11.2	1,641	585	103	249	704
Females who maintain families	5,506	60.2	4,973	534	9.7	3,642	2,842	123	151	526
Relatives in families maintained by females	4,374	55.6	3,465	909	20.8	3,492	777	1,636	248	831
16 to 19 years	1,356	46.1	953	404	29.8	1,583	104	1,298	6	175
20 to 24 years	1,370	71.4	1,053	317	23.1	549	121	279	13	135
25 years and over	1,648	54.8	1,459	188	11.4	1,360	552	59	229	521
Males who maintain families	1,912	77.9	1,781	131	6.9	542	29	24	65	424
Relatives in families maintained by males	1,431	57.7	1,252	179	12.5	1,050	449	321	46	235
16 to 19 years	320	52.3	262	58	18.1	292	19	251	1	21
20 to 24 years	436	77.8	364	71	16.4	125	38	58	--	28
25 years and over	675	51.6	626	50	7.4	633	392	12	45	186
Persons living alone	10,013	54.0	9,478	535	5.3	8,538	4,704	174	541	3,119
Males	5,235	72.2	4,892	343	6.6	2,020	124	108	227	1,562
Females	4,778	42.3	4,586	192	4.0	6,518	4,580	66	314	1,558
All others ¹	6,292	81.2	5,705	588	9.3	1,457	387	404	104	561

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	
	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981
	Total, 16 years and over	4,151	4,143	6.9	6.8	3,168	3,401	7.2	7.4
Married, spouse present	1,745	1,564	4.4	3.9	1,316	1,310	5.4	5.2
Widowed, divorced, or separated	433	463	8.6	8.6	578	680	6.9	7.6
Single (never married)	1,973	2,116	13.2	13.8	1,274	1,411	11.3	12.1
White, 16 years and over	3,331	3,278	6.2	6.1	2,388	2,611	6.3	6.6
Married, spouse present	1,471	1,319	4.0	3.6	1,101	1,127	5.0	5.0
Widowed, divorced, or separated	328	343	7.9	7.8	413	502	6.1	6.9
Single (never married)	1,531	1,615	11.8	12.3	874	982	9.2	10.0
Black and other, 16 years and over	820	866	12.8	13.1	780	790	13.1	13.0
Married, spouse present	274	245	7.9	7.0	215	183	8.5	7.4
Widowed, divorced, or separated	104	120	11.7	12.3	165	178	10.3	10.2
Single (never married)	442	501	21.8	23.7	400	429	22.3	23.3
Total, 20 to 64 years of age	3,263	3,256	6.1	6.0	2,376	2,592	6.1	6.4
Married, spouse present	1,667	1,513	4.4	4.0	1,221	1,230	5.2	5.0
Widowed, divorced, or separated	423	449	8.9	8.8	544	636	7.1	7.7
Single (never married)	1,173	1,295	11.3	12.0	612	726	8.3	9.3
White, 20 to 64 years of age	2,613	2,573	5.5	5.3	1,768	1,944	5.3	5.6
Married, spouse present	1,410	1,280	4.1	3.7	1,009	1,054	4.8	4.8
Widowed, divorced, or separated	320	332	8.2	7.9	384	464	6.2	7.0
Single (never married)	883	962	10.0	10.5	375	426	6.2	6.7
Black and other, 20 to 64 years of age	649	683	11.3	11.5	610	646	11.4	11.7
Married, spouse present	258	232	7.7	6.9	212	175	8.6	7.2
Widowed, divorced, or separated	102	117	11.9	12.5	160	170	10.6	10.2
Single (never married)	289	334	18.9	20.7	237	301	17.3	20.9

A-11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981
Total, 16 years and over	7,318	7,545	7.0	7.1	6.9	6.8	7.2	7.4
White-collar workers	1,854	2,053	3.5	3.8	2.7	2.7	4.3	4.8
Professional and technical	357	411	2.2	2.5	1.9	2.0	2.7	3.1
Managers and administrators, except farm	285	305	2.6	2.7	2.2	2.0	3.7	4.3
Sales workers	269	301	4.3	4.5	3.4	3.3	5.4	6.0
Clerical workers	943	1,036	5.0	5.3	5.2	5.3	4.9	5.4
Blue-collar workers	3,510	3,257	10.3	9.5	9.5	8.8	13.6	12.1
Craft and kindred workers	933	973	7.0	7.2	6.9	7.2	8.2	6.3
Carpenters and other construction craft workers	468	501	11.0	12.1	11.0	12.0	(1)	(1)
All other	465	472	5.1	5.0	4.9	4.9	8.0	5.6
Operatives, except transport	1,553	1,346	13.2	11.4	11.9	9.9	15.0	13.6
Transport equipment operatives	305	281	8.1	7.6	8.3	7.9	5.2	5.7
Nonfarm laborers	719	656	13.8	12.3	13.9	12.3	13.6	12.2
Construction laborers	211	189	20.8	18.2	20.5	17.8	(1)	(1)
All other	508	467	12.1	10.8	12.1	10.7	12.5	11.4
Service workers	1,035	1,233	7.4	8.6	8.4	9.6	6.9	7.9
Private household	47	47	4.4	4.6	(1)	(1)	4.2	4.5
All other	989	1,186	7.7	8.9	8.4	9.6	7.2	8.3
Farm workers	94	108	3.2	3.7	2.8	3.1	5.0	6.3
No previous work experience	825	894	--	--	--	--	--	--
16 to 19 years	601	658	--	--	--	--	--	--
20 to 24 years	142	148	--	--	--	--	--	--
25 years and over	82	88	--	--	--	--	--	--

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	
	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981
Total, 16 years and over	100.0	100.0	7.0	7.1	6.9	6.8	7.2	7.4
Nonagricultural private wage and salary workers	77.3	75.5	7.5	7.3	7.6	7.2	7.3	7.5
Mining	.6	.9	4.6	5.9	5.3	6.3	--	3.3
Construction	10.4	9.7	14.9	14.6	15.5	14.9	7.2	11.5
Manufacturing	28.9	23.1	9.2	7.5	8.1	6.1	11.4	10.6
Durable goods	18.6	12.8	9.8	6.9	9.2	5.9	11.6	9.8
Lumber and wood products	1.3	1.0	15.4	10.5	15.5	9.0	14.9	20.6
Furniture and fixtures	.6	.3	8.3	4.8	7.5	4.3	9.9	5.8
Stone, clay, and glass products	1.0	.7	10.5	7.7	9.4	6.4	15.2	13.0
Primary metal industries	1.4	.8	7.9	4.8	7.7	4.1	9.6	9.6
Fabricated metal products	2.9	1.9	13.7	8.7	13.2	8.3	15.4	10.3
Machinery, except electrical equipment	1.7	2.2	4.3	5.6	4.2	4.7	4.8	8.7
Electrical equipment	2.6	2.0	7.7	6.3	5.6	3.7	10.4	9.5
Transportation equipment	5.9	2.5	18.0	8.4	17.2	8.0	21.7	10.5
Automobiles	5.0	1.7	27.9	10.9	26.4	9.3	34.7	20.2
Other transportation equipment	.8	.8	5.8	5.8	5.8	6.6	6.0	2.4
Instruments and related products	.4	.5	4.5	5.4	1.2	3.7	8.7	7.6
Other durable goods industries	.9	.9	8.1	8.7	5.3	6.7	12.2	11.5
Nondurable goods	10.2	10.3	8.2	8.5	6.0	6.4	11.2	11.3
Food and kindred products	2.5	2.2	9.6	8.7	6.7	6.9	15.7	12.9
Textile mill products	1.0	1.1	8.6	10.1	6.2	9.4	11.4	10.8
Apparel and other textile products	2.3	2.3	11.6	12.3	8.8	8.6	12.4	13.3
Paper and allied products	.9	.5	8.4	4.8	6.5	3.8	14.0	8.3
Printing and publishing	1.3	1.4	6.3	5.8	6.2	6.3	6.4	7.6
Chemicals and allied products	.6	.3	3.1	5.1	2.7	4.5	4.0	6.8
Rubber and plastics products	1.0	1.1	9.0	11.5	7.7	6.8	11.6	18.9
Other nondurable goods industries	.8	.8	9.6	9.5	6.2	8.8	13.5	10.4
Transportation and public utilities	3.5	4.1	4.7	5.5	4.9	6.1	4.2	4.0
Railroads and railway express	.2	.5	2.9	6.5	2.5	6.7	(1)	(1)
Other transportation	2.6	2.7	7.5	7.6	7.7	8.3	6.8	5.3
Communication and other public utilities	.7	1.0	2.2	3.0	2.1	3.0	2.3	3.2
Wholesale and retail trade	17.5	19.9	6.9	7.8	6.2	7.0	7.7	8.7
Finance, insurance, and real estate	2.4	2.2	3.3	3.0	3.2	2.5	3.3	3.4
Service industries	13.9	15.6	5.9	6.4	6.1	7.0	5.8	6.1
Professional services	5.8	6.6	4.2	4.6	3.6	4.3	4.4	4.7
All other service industries	8.2	9.0	8.5	9.2	8.5	9.4	8.4	9.0
Agricultural wage and salary workers	1.7	1.7	8.2	7.9	7.6	7.2	10.6	10.7
All other classes of workers	9.7	10.9	2.7	3.2	2.6	3.0	2.9	3.4
No previous work experience	11.3	11.8	--	--	--	--	--	--

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

HOUSEHOLD DATA

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	
	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981
NUMBER OF UNEMPLOYED												
Total unemployed, in thousands.....	7,318	7,545	3,322	3,305	2,411	2,642	1,585	1,597	5,719	5,889	1,600	1,656
Job losers.....	3,824	3,761	2,349	2,251	1,113	1,191	362	319	3,070	2,984	755	777
On layoff.....	1,528	1,193	985	737	423	397	120	59	1,268	1,021	259	171
Other job losers.....	2,296	2,568	1,364	1,514	690	794	242	260	1,802	1,963	496	606
Job leavers.....	826	901	351	369	331	384	144	148	659	747	157	154
Reentrants.....	1,844	1,990	541	595	824	921	480	475	1,390	1,512	454	478
New entrants.....	823	892	81	91	144	145	599	656	599	646	224	246
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.....	52.3	49.8	70.8	68.1	46.1	45.1	22.8	20.0	53.7	50.6	47.2	47.0
On layoff.....	20.9	15.8	29.7	22.3	17.5	15.0	7.5	3.7	22.2	17.3	16.2	10.4
Other job losers.....	31.4	34.0	41.1	45.8	28.6	30.1	15.3	16.3	31.5	33.3	31.0	36.6
Job leavers.....	11.3	11.9	10.5	11.2	13.7	14.5	9.1	9.2	11.5	12.7	10.4	9.3
Reentrants.....	25.2	26.4	16.3	18.0	34.2	34.9	30.3	29.7	24.3	25.7	28.4	28.9
New entrants.....	11.3	11.8	2.4	2.7	6.0	5.5	37.8	41.1	10.5	11.0	14.0	14.9
UNEMPLOYMENT RATE												
Total unemployment rate.....	7.0	7.1	6.0	5.9	6.0	6.3	17.8	18.5	6.2	6.3	13.0	13.1
Job loser rate ¹	3.7	3.5	4.3	4.0	2.8	2.9	4.0	3.7	3.4	3.2	6.1	6.2
Job leaver rate ¹.....	.8	.8	.6	.7	.8	.9	1.6	1.7	.7	.8	1.4	1.2
Reentrant rate ¹	1.8	1.9	1.0	1.1	2.1	2.2	5.4	5.5	1.5	1.6	3.7	3.8
New entrant rate ¹.....	.8	.8	.1	.2	.4	.3	6.7	7.6	.7	.7	1.8	1.9

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	May 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.....	7,545	100.0	41.4	27.2	31.5	15.4	16.1
Job losers.....	3,761	100.0	32.4	26.6	41.0	19.7	21.3
On layoff.....	1,193	100.0	43.1	22.5	34.4	17.5	16.8
Other job losers.....	2,568	100.0	27.4	28.5	44.1	20.7	23.4
Job leavers.....	901	100.0	45.5	28.5	26.0	13.4	12.6
Reentrants.....	1,990	100.0	51.6	27.0	21.4	11.0	10.3
New entrants.....	892	100.0	52.3	28.3	19.4	8.7	10.7
Males, 20 years and over.....	3,305	100.0	34.7	25.2	40.0	18.2	21.9
Job losers.....	2,251	100.0	30.1	25.3	44.7	20.5	24.2
On layoff.....	737	100.0	41.7	18.1	40.2	21.6	18.6
Other job losers.....	1,514	100.0	24.4	28.8	46.8	19.9	26.9
Job leavers.....	369	100.0	43.2	26.2	30.6	14.5	16.1
Reentrants.....	595	100.0	43.7	26.8	29.5	12.5	17.0
New entrants.....	91	100.0	58.0	8.6	33.4	12.7	20.7
Females, 20 years and over.....	2,642	100.0	42.8	28.1	29.0	15.7	13.4
Job losers.....	1,191	100.0	32.4	28.5	39.1	20.6	18.5
On layoff.....	397	100.0	44.6	28.7	26.7	12.2	14.5
Other job losers.....	794	100.0	26.3	28.5	45.3	24.8	20.4
Job leavers.....	334	100.0	42.3	29.7	28.0	15.3	12.7
Reentrants.....	921	100.0	55.9	26.6	17.5	10.0	7.5
New entrants.....	145	100.0	47.3	30.2	22.6	11.6	10.9
Both sexes, 16 to 19 years.....	1,597	100.0	52.6	29.6	17.8	9.1	8.7
Job losers.....	319	100.0	48.6	28.7	22.6	11.0	11.6
On layoff.....	59	100.0	(1)	(1)	(1)	(1)	(1)
Other job losers.....	260	100.0	48.1	27.0	24.9	13.0	11.9
Job leavers.....	148	100.0	59.3	31.2	9.5	5.9	3.6
Reentrants.....	475	100.0	53.1	28.1	18.8	11.2	7.5
New entrants.....	656	100.0	52.6	30.7	16.8	7.5	9.3

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

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

Sex, age, and race	May 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	7,545	6,198	26.7	5.8	74.1	32.9	14.2	5.3	1.59
16 to 19 years	1,597	1,503	16.2	3.2	79.7	24.2	13.2	4.6	1.41
20 to 24 years	1,908	1,621	30.9	5.2	75.0	33.6	15.2	3.7	1.65
25 to 34 years	2,317	1,540	30.1	7.0	72.7	38.5	12.2	5.4	1.66
35 to 44 years	891	690	33.3	6.5	63.7	35.4	16.2	7.0	1.67
45 to 54 years	645	463	28.7	7.6	71.9	34.1	15.8	6.0	1.64
55 to 64 years	387	300	22.3	8.0	65.0	37.3	18.3	11.3	1.62
65 years and over	190	81	18.5	1.2	67.9	32.1	12.3	9.9	1.42
Males, 16 years and over	4,143	3,282	28.7	5.5	74.6	29.9	16.4	6.4	1.61
16 to 19 years	839	783	17.9	2.7	81.2	22.9	12.0	4.1	1.41
20 to 24 years	1,118	922	33.5	5.5	73.4	32.2	20.1	4.0	1.69
25 to 34 years	1,070	748	32.1	8.4	73.7	36.2	14.8	7.1	1.72
35 to 44 years	461	341	36.1	2.9	73.9	27.0	16.7	9.4	1.66
45 to 54 years	356	246	33.3	7.7	74.0	24.0	20.3	8.1	1.67
55 to 64 years	251	193	22.3	8.3	62.2	36.3	16.1	15.5	1.61
65 years and over	49	49	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	3,401	2,917	24.4	6.1	73.4	36.3	11.9	4.1	1.56
16 to 19 years	760	721	14.4	3.7	77.9	25.7	14.3	5.1	1.41
20 to 24 years	790	699	27.5	7.0	77.0	35.3	8.9	3.3	1.59
25 to 34 years	747	792	28.2	7.8	71.8	40.5	9.8	3.8	1.60
35 to 44 years	430	349	30.7	10.0	63.6	43.6	16.0	4.6	1.68
45 to 54 years	288	217	23.0	6.9	70.0	45.6	10.6	3.7	1.60
55 to 64 years	136	107	23.4	7.5	70.1	39.3	22.4	3.7	1.66
65 years and over	50	32	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White, 16 years and over	5,889	4,726	24.3	6.4	74.4	34.7	14.4	4.9	1.59
Males	3,278	2,532	26.8	6.3	74.6	31.9	16.6	6.2	1.62
Females	2,611	2,194	21.4	6.5	74.1	38.0	11.9	3.4	1.55
Black and other, 16 years and over	1,656	1,472	34.2	3.9	73.0	27.2	13.8	6.7	1.59
Males	866	750	34.9	2.8	74.7	23.2	15.6	7.2	1.58
Females	790	723	33.3	5.0	71.2	31.4	12.0	6.2	1.59

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	May 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	7,545	6,198	26.7	5.8	74.1	32.9	14.2	5.3	1.59
Job losers	3,761	2,569	33.0	5.5	72.9	33.9	14.7	6.2	1.66
Job leavers	901	378	27.1	8.3	76.3	39.2	13.3	2.1	1.66
Reentrants	1,990	1,871	22.8	5.6	72.6	33.9	15.2	6.0	1.56
New entrants	892	880	15.8	4.9	78.4	21.7	12.0	4.7	1.37
Males, 16 years and over	4,143	3,282	28.7	5.5	74.6	29.9	16.4	6.4	1.61
Job losers	2,468	1,694	32.4	4.7	72.8	31.5	15.7	7.9	1.65
Job leavers	440	422	26.5	10.4	80.8	32.0	15.6	1.7	1.67
Reentrants	916	750	27.9	5.7	73.7	31.7	20.1	6.5	1.66
New entrants	419	415	17.1	3.6	77.3	17.8	12.8	4.8	1.33
Females, 16 years and over	3,401	2,917	24.4	6.1	73.4	36.3	11.9	4.1	1.56
Job losers	1,292	875	34.2	7.1	72.9	38.7	12.7	2.7	1.68
Job leavers	461	456	27.6	6.1	72.1	46.1	11.0	2.4	1.65
Reentrants	1,175	1,121	19.5	5.4	71.7	35.2	11.8	5.7	1.49
New entrants	473	465	14.6	6.0	79.4	25.2	11.4	4.5	1.41

NOTE: See note, table A-15.

HOUSEHOLD DATA

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	
	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981
Total, 16 years and over	7,318	7,545	100.0	100.0	6,203	6,305	100.0	100.0
Less than 5 weeks	3,427	3,120	46.3	41.4	2,730	2,419	44.0	38.4
5 to 14 weeks	2,044	2,049	27.9	27.2	1,788	1,694	28.8	26.9
15 to 26 weeks	1,480	1,592	20.2	21.1	1,280	1,303	20.6	20.7
27 to 51 weeks	563	457	7.7	6.1	508	391	8.2	6.2
52 weeks and over	1,848	2,376	25.3	31.5	1,684	2,193	27.1	34.8
Average (mean) duration, in weeks	11.7	14.6	--	--	12.3	15.8	--	--
Median duration, in weeks	5.8	7.1	--	--	6.5	8.2	--	--

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			May 1980	May 1981	May 1980	May 1981
	May 1981										
Total, 16 years and over	7,545	3,120	2,049	1,160	1,216	14.6	7.1	46.8	41.4	25.3	31.5
16 to 21 years	2,470	1,261	715	251	243	10.5	4.9	55.7	51.1	19.1	20.0
16 to 19 years	1,597	840	472	146	139	9.8	4.8	59.1	52.6	16.8	17.8
20 to 24 years	1,908	854	517	284	252	12.7	6.2	48.4	44.7	22.4	28.1
25 to 34 years	2,017	758	542	345	372	16.3	8.7	41.4	37.6	29.2	35.5
35 to 44 years	891	294	234	163	201	18.4	9.8	40.1	33.0	29.5	40.8
45 to 54 years	645	209	162	134	140	18.3	10.2	40.5	32.4	32.5	42.4
55 to 64 years	387	127	91	78	91	19.2	10.3	42.0	32.8	33.5	43.7
65 years and over	100	38	30	11	20	17.4	8.7	47.7	38.5	19.7	31.2
Males, 16 years and over	4,143	1,539	1,097	688	820	16.6	8.7	42.6	37.1	28.8	36.4
16 to 21 years	1,324	625	385	144	170	12.0	5.6	49.4	47.2	23.5	23.7
16 to 19 years	838	391	264	87	96	11.4	5.6	52.5	46.6	20.9	21.9
20 to 24 years	1,118	459	290	188	181	14.6	7.4	43.4	41.1	26.1	33.0
25 to 34 years	1,070	370	269	177	255	18.6	10.4	36.2	34.6	32.4	40.3
35 to 44 years	461	123	122	93	123	20.5	12.2	39.0	26.7	34.3	46.9
45 to 54 years	356	101	81	87	87	20.9	14.2	42.8	28.4	32.5	49.0
55 to 64 years	251	76	61	52	63	19.9	11.4	39.1	30.1	37.2	45.7
65 years and over	49	20	11	4	14	21.7	8.3	(1)	(1)	(1)	(1)
Females, 16 years and over	3,401	1,581	952	472	396	12.2	5.8	52.3	46.5	20.6	25.5
16 to 21 years	1,146	636	330	107	73	8.7	4.5	64.2	55.6	13.9	15.7
16 to 19 years	760	449	209	59	43	8.0	4.2	66.3	59.2	12.2	13.4
20 to 24 years	790	394	227	97	71	10.1	5.0	55.3	49.9	17.3	21.3
25 to 34 years	947	388	273	169	118	13.8	6.8	48.8	41.0	24.5	30.1
35 to 44 years	430	171	112	70	77	16.2	8.1	41.4	39.7	23.7	34.3
45 to 54 years	288	108	82	46	52	15.2	8.1	37.7	37.4	32.5	34.2
55 to 64 years	136	51	30	26	28	17.8	9.2	46.8	37.6	27.3	40.1
65 years and over	50	19	19	6	6	13.2	8.9	(1)	(1)	(1)	(1)
White, 16 years and over	5,889	2,517	1,595	912	865	13.8	6.8	47.4	42.7	25.3	30.2
Males	3,278	1,259	859	565	595	15.9	8.4	43.6	38.4	29.7	35.4
Females	2,611	1,258	736	347	270	11.2	5.4	52.7	48.2	20.6	23.6
Black and other, 16 years and over	1,656	603	453	248	351	17.5	8.4	44.7	36.4	25.0	36.2
Males	866	280	238	123	225	19.2	9.8	38.6	32.3	29.3	40.2
Females	790	323	216	125	126	15.7	7.1	51.0	40.9	20.5	31.8
Males, 16 years and over:											
Married, spouse present	1,564	514	371	314	365	19.0	11.0	42.1	32.9	31.0	43.4
Widowed, divorced, or separated	463	135	133	88	106	18.5	10.1	37.6	29.2	34.0	42.0
Single (never married)	2,116	890	593	285	348	14.4	6.9	44.2	42.0	25.8	29.9
Females, 16 years and over:											
Married, spouse present	1,310	589	353	174	194	13.6	6.2	49.9	45.0	21.9	28.0
Widowed, divorced, or separated	680	264	219	112	86	13.4	7.3	40.8	38.8	25.4	29.1
Single (never married)	1,411	728	380	187	115	10.4	4.8	60.1	51.6	17.0	21.5

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

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

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			May 1980	May 1981	May 1980	May 1981
	May 1981										
OCCUPATION											
White-collar workers	2,053	853	585	350	264	13.3	7.0	48.1	41.6	23.5	29.9
Professional and managerial	716	281	210	115	109	14.8	7.6	43.0	39.2	27.1	31.3
Sales workers	301	149	73	56	23	9.8	5.1	51.8	49.6	27.5	26.3
Clerical workers	1,036	423	302	179	132	13.3	7.2	50.6	40.8	20.0	30.0
Blue-collar workers	3,257	1,200	796	562	699	17.4	9.1	41.8	36.8	29.3	38.7
Craft and kindred workers	973	335	252	198	183	17.2	9.7	41.6	34.4	29.4	39.7
Operatives, except transport	1,346	523	324	190	309	17.0	8.1	43.4	39.9	28.9	37.1
Transport equipment operatives	281	81	69	59	72	21.3	13.6	44.6	28.7	27.0	46.8
Nonfarm laborers	656	261	152	115	129	16.6	8.6	37.3	39.8	30.8	37.1
Service workers	1,233	533	386	165	149	12.6	6.6	51.9	43.2	21.5	25.5
INDUSTRY¹											
Agriculture	130	74	36	9	11	8.1	4.4	50.8	56.8	14.5	15.2
Construction	763	254	199	195	115	15.9	10.6	36.9	33.4	34.0	40.6
Manufacturing	1,750	623	421	274	432	18.7	9.3	42.2	35.6	30.2	40.4
Durable goods	973	303	239	157	274	20.9	10.6	43.1	31.1	29.7	44.3
Nondurable goods	777	320	182	117	158	16.0	7.8	40.6	41.2	31.0	35.4
Transportation and public utilities	348	124	112	44	69	16.5	8.1	45.3	35.7	28.6	32.3
Wholesale and retail trade	1,507	643	412	260	192	13.2	6.8	48.5	42.6	22.9	30.0
Finance and service industries	1,692	757	493	215	229	12.9	6.3	50.0	44.7	21.0	26.2
Public administration	244	82	68	50	44	16.2	9.3	48.5	33.6	23.2	38.5
No previous work experience	894	467	254	77	96	11.3	4.8	58.6	52.2	18.2	19.3

¹ Includes wage and salary workers only.

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

(In thousands)

Industry and age	Total		Males		Females	
	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981
All industries	96,709	98,803	55,750	56,528	40,959	42,275
16 to 19 years	7,317	7,039	3,916	3,738	3,400	3,301
16 to 17 years	2,875	2,713	1,596	1,450	1,279	1,263
18 to 19 years	4,442	4,327	2,320	2,288	2,121	2,039
20 to 24 years	13,416	13,534	7,238	7,206	6,178	6,327
25 to 64 years	61,637	63,785	35,821	36,824	25,817	26,961
25 to 34 years	26,101	27,315	15,132	15,788	10,969	11,527
35 to 44 years	19,290	19,968	11,065	11,419	8,225	8,549
45 to 54 years	16,246	16,502	9,624	9,618	6,622	6,884
55 to 64 years	11,382	11,477	6,946	6,925	4,436	4,552
65 to 69 years	7,031	7,106	4,264	4,255	2,766	2,852
70 to 74 years	4,352	4,371	2,682	2,670	1,669	1,701
75 years and over	2,957	2,968	1,829	1,835	1,128	1,133
Nonagricultural industries	93,273	95,367	53,030	53,787	40,243	41,581
16 to 19 years	6,939	6,615	3,618	3,388	3,320	3,227
16 to 17 years	2,663	2,503	1,431	1,275	1,232	1,228
18 to 19 years	4,276	4,112	2,187	2,113	2,089	2,000
20 to 24 years	12,986	13,087	6,892	6,829	6,094	6,258
25 to 64 years	59,843	62,046	34,464	35,515	25,378	26,531
25 to 34 years	25,431	26,630	14,606	15,257	10,824	11,372
35 to 44 years	18,695	19,414	10,632	11,015	8,063	8,399
45 to 54 years	15,717	16,003	9,226	9,242	6,491	6,760
55 to 64 years	10,851	10,983	6,503	6,516	4,348	4,467
65 to 69 years	6,749	6,842	4,040	4,046	2,710	2,797
70 to 74 years	4,101	4,141	2,463	2,471	1,638	1,670
75 years and over	2,655	2,637	1,553	1,534	1,102	1,098
Agriculture	3,436	3,435	2,720	2,741	715	694
16 to 19 years	378	424	298	353	80	74
16 to 17 years	212	210	165	175	47	35
18 to 19 years	166	214	133	175	33	39
20 to 24 years	430	447	347	378	84	69
25 to 64 years	1,795	1,739	1,357	1,309	438	430
25 to 34 years	670	686	525	530	145	155
35 to 44 years	595	554	433	403	162	151
45 to 54 years	530	499	398	375	131	124
55 to 64 years	531	494	444	408	88	86
65 to 69 years	291	264	224	209	57	55
70 to 74 years	250	230	219	199	31	31
75 years and over	301	331	276	296	26	36

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A-21. Employed persons by occupation, sex, and age
 (In thousands)

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 16-19 years		Females, 16-19 years	
	May 1980	May 1981	May 1990	May 1981	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981
TOTAL	96,703	98,803	51,834	52,799	37,558	38,974	3,916	3,738	3,400	3,301
White-collar workers	50,386	51,694	22,904	23,355	25,117	25,996	642	643	1,722	1,700
Professional and technical	15,691	15,945	8,642	8,711	6,892	6,971	75	64	82	99
Health workers	2,900	3,012	929	940	1,955	2,051	3	--	13	21
Teachers, except college	3,366	3,288	950	988	2,388	2,283	13	8	15	9
Other professional and technical	9,425	9,545	6,763	6,783	2,549	2,637	59	56	54	69
Managers and administrators, except farm	10,751	11,125	7,888	8,062	2,774	2,965	50	60	39	39
Salaried workers	8,803	9,209	6,419	6,599	2,297	2,514	48	59	39	37
Self-employed workers in retail trade	886	845	588	547	295	296	2	1	--	2
Self-employed workers, except retail trade	1,062	1,071	880	916	183	155	--	1	--	--
Sales workers	5,992	6,371	3,089	3,302	2,245	2,465	248	221	410	384
Retail trade	3,085	3,130	992	1,011	1,538	1,642	176	146	379	330
Other industries	2,907	3,241	2,097	2,291	707	823	72	74	31	53
Clerical workers	17,952	18,353	3,285	3,230	13,206	13,596	269	299	1,191	1,179
Stenographers, typists, and secretaries	4,908	4,978	69	100	4,529	4,585	9	8	300	285
Other clerical workers	13,044	13,375	3,216	3,180	8,677	9,011	260	291	891	894
Blue-collar workers ..	30,623	31,164	23,001	23,435	5,207	5,516	2,067	1,899	348	314
Craft and kindred workers	12,460	12,641	11,391	11,482	645	771	393	356	30	32
Carpenters	1,147	1,130	1,085	1,075	15	15	45	37	2	4
Construction craft workers, except carpenters	2,653	2,523	2,510	2,396	39	41	101	81	3	4
Mechanics and repairers	3,230	3,390	3,045	3,200	56	50	128	129	2	1
Metal craft workers	1,359	1,287	1,279	1,212	51	51	27	24	2	--
Blue-collar worker supervisors, not elsewhere classified	1,727	1,827	1,558	1,585	154	220	12	17	3	5
All other	2,346	2,495	1,915	2,014	331	395	81	67	19	20
Operatives, except transport	10,222	10,429	5,569	5,723	3,891	4,015	542	524	220	167
Durable goods manufacturing	4,537	4,642	2,799	2,933	1,519	1,517	154	128	66	63
Nondurable goods manufacturing	3,252	3,306	1,240	1,269	1,799	1,851	105	111	107	75
Other industries	2,433	2,480	1,530	1,522	574	647	283	284	47	27
Transport equipment operatives	3,465	3,393	2,996	2,928	284	314	180	130	5	21
Drivers, motor vehicles	2,975	2,895	2,546	2,469	265	289	160	117	3	20
All other	489	499	450	459	19	25	20	14	2	1
Nonfarm laborers	4,477	4,701	3,046	3,302	387	417	952	889	92	94
Construction	801	853	643	753	17	16	138	83	3	1
Manufacturing	876	1,005	674	793	122	126	66	78	14	9
Other industries	2,799	2,843	1,728	1,757	248	275	747	729	76	83
Service workers ..	12,890	13,163	3,891	3,984	6,748	7,005	981	941	1,271	1,233
Private household workers	1,027	958	24	24	828	746	6	10	168	177
Service workers, except private household	11,863	12,205	3,867	3,961	5,919	6,259	975	930	1,102	1,055
Food service workers	4,527	4,647	880	924	2,255	2,352	613	624	779	747
Protective service workers	1,392	1,479	1,235	1,306	125	147	18	17	15	10
All other	5,944	6,079	1,752	1,731	3,539	3,760	344	289	308	298
Farm workers	2,810	2,782	2,038	2,016	487	456	226	256	60	54
Farmers and farm managers ..	1,486	1,495	1,315	1,306	158	165	12	21	--	2
Farm laborers and supervisors	1,324	1,287	722	709	328	291	214	234	60	52
Paid workers	993	1,033	676	681	145	146	142	171	31	35
Unpaid family workers	331	254	47	28	184	145	72	63	29	18

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

[Percent distribution]

Occupation and race	Total		Males		Females	
	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981
TOTAL						
Total, 16 years and over (thousands)	96,709	98,803	55,750	56,528	40,959	42,275
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.1	52.3	42.2	42.5	65.5	65.5
Professional and technical	16.2	16.0	15.6	15.5	17.0	16.7
Managers and administrators, except farm	11.1	11.3	14.2	14.4	6.9	7.1
Sales workers	6.2	6.4	6.0	6.2	6.5	6.7
Clerical workers	18.6	18.6	6.4	6.3	35.1	34.9
Blue-collar workers	31.7	31.5	45.0	44.8	13.6	13.8
Craft and kindred workers	12.9	12.8	21.1	20.9	1.7	1.9
Operatives, except transport	10.6	10.6	11.0	11.1	10.0	9.9
Transport equipment operatives	3.6	3.4	5.7	5.4	.7	.8
Nonfarm laborers	4.6	4.8	7.2	7.4	1.2	1.2
Service workers	13.3	13.3	8.7	8.7	19.6	19.5
Private household workers	1.1	1.0	.1	.1	2.4	2.2
Other service workers	12.3	12.4	8.7	8.7	17.1	17.3
Farm workers	2.9	2.8	4.1	4.0	1.3	1.2
Farmers and farm managers	1.5	1.5	2.4	2.3	.4	.4
Farm laborers and supervisors	1.4	1.3	1.7	1.7	.9	.8
White						
Total, 16 years and over (thousands)	85,980	87,781	50,174	50,777	35,806	37,004
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	53.7	53.9	43.7	44.0	67.6	67.5
Professional and technical	16.6	16.4	16.1	16.0	17.3	17.0
Managers and administrators, except farm	11.9	12.0	15.2	15.2	7.3	7.6
Sales workers	6.6	6.9	6.3	6.6	7.0	7.3
Clerical workers	18.6	18.6	6.1	6.1	36.1	35.7
Blue-collar workers	31.2	31.0	44.1	44.0	13.1	13.2
Craft and kindred workers	13.3	13.2	21.6	21.4	1.7	1.9
Operatives, except transport	10.0	10.0	10.4	10.5	9.5	9.4
Transport equipment operatives	3.4	3.3	5.3	5.1	.7	.8
Nonfarm laborers	4.4	4.5	6.7	7.0	1.2	1.2
Service workers	12.1	12.1	8.0	7.8	17.9	17.9
Private household workers	.8	.7	(1)	(1)	1.9	1.7
Other service workers	11.3	11.4	8.0	7.8	16.0	16.3
Farm workers	3.0	2.9	4.2	4.2	1.4	1.3
Farmers and farm managers	1.7	1.7	2.6	2.6	.4	.4
Farm laborers and supervisors	1.3	1.3	1.6	1.6	1.0	.9
Black and other						
Total, 16 years and over (thousands)	10,729	11,022	5,576	5,750	5,153	5,272
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	39.3	39.6	28.7	28.7	50.8	51.4
Professional and technical	13.0	13.2	11.1	11.4	15.1	15.1
Managers and administrators, except farm	4.8	5.3	5.8	6.8	3.8	3.7
Sales workers	2.9	2.7	2.8	2.6	3.1	2.9
Clerical workers	18.5	18.3	9.0	8.0	28.9	29.7
Blue-collar workers	35.6	35.6	52.9	52.0	16.9	17.6
Craft and kindred workers	9.4	9.8	15.9	17.0	1.4	1.9
Operatives, except transport	14.8	14.6	15.6	15.6	14.0	13.5
Transport equipment operatives	4.9	4.6	8.9	8.1	.6	.9
Nonfarm laborers	6.4	6.5	11.5	11.3	1.0	1.3
Service workers	23.1	23.1	15.3	16.4	31.5	30.4
Private household workers	3.2	2.9	.3	.2	6.4	5.9
Other service workers	19.8	20.2	15.1	16.3	25.0	24.5
Farm workers	2.0	1.8	3.2	2.8	.8	.6
Farmers and farm managers	.3	.3	.5	.6	(1)	.1
Farm laborers and supervisors	1.9	1.4	2.7	2.3	.8	.5

¹ Less than 0.05 percent.

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

[In thousands]

Age and sex	May 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	88,005	1,136	15,714	71,155	6,964	398	1,502	1,665	268
16 to 19 years	6,485	304	432	5,749	109	21	293	58	83
16 to 17 years	2,437	201	141	2,094	56	10	136	28	46
18 to 19 years	4,048	103	291	3,655	53	11	147	30	37
20 to 24 years	12,755	102	1,312	11,340	313	19	324	96	27
25 to 34 years	24,894	134	4,480	20,280	1,640	96	368	280	37
35 to 44 years	17,614	90	3,798	13,726	1,703	96	215	300	39
45 to 54 years	14,378	151	3,270	10,957	1,532	92	138	-315	46
55 to 64 years	9,798	222	2,060	7,515	1,134	51	119	353	22
65 to 69 years	6,133	113	1,332	4,687	675	35	59	189	15
70 to 74 years	3,665	109	728	2,828	460	16	60	163	7
75 years and over	2,081	133	362	1,586	532	23	56	263	12
Males, 16 years and over	48,949	248	7,620	41,081	4,791	46	1,172	1,473	96
16 to 19 years	3,310	124	191	2,995	64	14	230	55	66
16 to 17 years	1,229	88	67	1,074	37	9	112	27	36
18 to 19 years	2,081	36	124	1,921	27	5	117	28	30
20 to 24 years	6,616	28	548	6,040	205	8	267	90	21
25 to 34 years	14,164	19	2,088	12,057	1,088	6	275	250	5
35 to 44 years	9,821	15	1,831	7,974	1,186	9	153	249	1
45 to 54 years	8,154	13	1,674	6,467	1,086	2	104	271	--
55 to 64 years	5,701	18	1,091	4,592	813	3	94	314	--
65 to 69 years	3,559	11	695	2,853	484	2	47	162	--
70 to 74 years	2,141	7	396	1,739	329	1	47	152	--
75 years and over	1,184	31	197	955	351	4	48	244	4
Females, 16 years and over	39,056	888	8,094	30,074	2,173	352	331	192	172
16 to 19 years	3,175	180	241	2,754	45	7	53	3	17
16 to 17 years	1,208	113	75	1,020	19	1	24	1	10
18 to 19 years	1,967	66	167	1,734	27	6	30	2	8
20 to 24 years	6,139	74	764	5,301	109	11	56	6	7
25 to 34 years	10,730	114	2,392	8,224	552	90	93	30	32
35 to 44 years	7,794	75	1,967	5,752	517	88	62	51	38
45 to 54 years	6,224	138	1,596	4,490	447	90	34	44	46
55 to 64 years	4,097	205	969	2,923	321	48	25	39	22
65 to 69 years	2,573	102	637	1,834	190	33	12	28	15
70 to 74 years	1,524	102	332	1,089	131	16	13	11	7
75 years and over	897	102	164	631	182	19	7	20	9

A-24. Employed persons by industry and occupation

[In thousands]

Industry	May 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	3,435	84	44	13	95	45	14	19	321	--	19	2,782
Mining	1,062	141	103	--	131	245	347	57	29	--	14	--
Construction	6,009	222	814	43	472	3,227	210	145	853	--	23	--
Manufacturing	21,833	2,437	1,705	552	2,660	4,339	7,948	767	1,005	--	418	--
Durable goods	13,246	1,688	979	178	1,621	2,923	4,642	368	594	--	252	--
Non-durable goods	8,588	750	726	374	1,039	1,416	3,306	399	411	--	166	--
Transportation and public utilities	6,465	606	704	79	1,492	1,379	184	1,435	420	--	165	--
Wholesale and retail trade	19,873	391	3,795	4,139	3,515	1,418	938	703	1,232	--	3,741	--
Wholesale trade	3,965	151	805	1,009	750	348	210	357	293	--	43	--
Retail trade	15,908	240	2,991	3,130	2,765	1,071	728	346	939	--	3,699	--
Finance, insurance, and real estate	6,020	353	1,112	1,311	2,838	87	8	20	89	--	204	--
Services	28,954	10,553	2,190	227	5,356	1,626	733	197	599	958	6,518	--
Private households	1,252	28	1	--	13	6	5	6	202	958	34	--
Other service industries	27,702	10,525	2,189	227	5,343	1,620	728	191	397	--	6,484	--
Public administration	5,151	1,059	661	7	1,795	274	48	51	155	--	1,103	--

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

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
					Paid absences ²		Unpaid absences ²	
	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981
Total, 16 years and over	4,260	4,456	4,170	4,361	2,067	2,119	1,648	1,733
Vacation	1,882	1,941	1,861	1,825	1,348	1,303	351	353
Illness	1,343	1,381	1,315	1,362	526	575	698	677
Bad weather	102	114	73	80	--	--	--	--
Industrial dispute	94	131	94	131	--	--	--	--
All other reasons	849	930	833	903	193	241	599	703
Males, 16 years and over	2,428	2,455	2,348	2,385	1,260	1,224	808	850
Vacation	1,132	1,023	1,112	1,020	865	770	145	148
Illness	725	727	700	714	305	327	350	325
All other reasons ³	571	700	535	650	91	127	313	376
Females, 16 years and over	1,932	2,001	1,822	1,976	807	896	839	884
Vacation	750	813	749	804	483	533	205	205
Illness	618	653	615	648	221	248	348	352
All other reasons ³	465	536	459	524	102	114	286	328

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	May 1981					
	Thousands of persons			Percent distribution		
	All industries	Nonagri-cultural industries	Agri-culture	All industries	Nonagri-cultural industries	Agri-culture
Total, 16 years and over	94,347	91,007	3,340	100.0	100.0	100.0
1-34 hours	22,717	21,761	958	24.1	23.9	28.7
1-4 hours	878	810	68	.9	.9	2.0
5-14 hours	4,113	3,900	214	4.4	4.3	6.4
15-29 hours	11,600	11,134	467	12.3	12.2	14.0
30-34 hours	6,126	5,917	209	6.5	6.5	6.3
35 hours and over	71,631	69,247	2,383	75.9	76.1	71.3
35-39 hours	6,915	6,765	150	7.3	7.4	4.5
40 hours	41,278	40,702	576	43.8	44.7	17.2
41 hours and over	23,438	21,780	1,657	24.8	23.9	49.6
41 to 48 hours	9,260	9,010	250	9.8	9.9	7.5
49 to 59 hours	7,948	7,489	458	8.4	8.2	13.7
60 hours and over	6,230	5,281	949	6.6	5.8	28.4
Average hours, total at work	38.5	38.2	45.4	--	--	--
Average hours, workers on full-time schedules	43.0	42.7	53.1	--	--	--

HOUSEHOLD DATA

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	May 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	22,717	6,330	16,387	21,761	6,026	15,734
Economic reasons	4,176	1,684	2,492	3,986	1,604	2,382
Slack work	2,221	1,353	868	2,084	1,284	800
Material shortages or repairs to plant and equipment	46	46	--	44	44	--
New job started during week	209	209	--	204	204	--
Job terminated during week	75	75	--	71	71	--
Could find only part-time work	1,624	--	1,624	1,582	--	1,582
Other reasons	18,541	4,647	13,894	17,776	4,423	13,353
Does not want, or unavailable for, full-time work	11,891	--	11,891	11,448	--	11,448
Vacation	1,050	1,050	--	1,038	1,038	--
Illness	1,692	1,540	152	1,645	1,513	132
Bad weather	501	501	--	353	353	--
Industrial dispute	20	20	--	20	20	--
Legal or religious holiday	--	--	--	--	--	--
Full time for this job	1,376	--	1,376	1,343	--	1,343
All other reasons	2,045	1,571	475	1,956	1,527	429
Average hours:						
Economic reasons	21.9	24.0	20.4	21.9	24.0	20.5
Other reasons	20.6	26.4	18.7	20.7	26.5	18.7
Worked 30 to 34 hours:						
Economic reasons	1,322	712	610	1,266	679	587
Other reasons	4,804	2,499	2,305	4,651	2,420	2,231

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

(Numbers in thousands)

Industry	May 1981								Average hours, total at work	Average hours, workers on full-time schedules
	Full- or part-time status									
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules						
Total				40 hours or less	41 to 48 hours	49 hours or more				
Total, 16 years and over	91,007	3,935	13,353	73,659	51,888	9,010	12,770	33.2	42.7	
Wage and salary workers	84,108	3,446	12,367	68,595	49,621	8,442	10,532	33.0	42.2	
Construction	4,594	305	207	4,072	3,087	420	565	38.9	41.2	
Manufacturing	20,484	577	702	19,205	14,043	2,833	2,329	40.5	41.8	
Durable goods	12,433	228	293	11,920	8,301	1,717	1,402	40.9	41.7	
Nondurable goods	8,046	349	412	7,285	5,242	1,116	927	40.0	42.0	
Transportation and public utilities	5,903	174	382	5,247	3,795	604	848	40.6	42.8	
Wholesale and retail trade	17,175	1,063	4,594	11,518	7,378	1,819	2,321	35.7	43.4	
Finance, insurance, and real estate	5,320	107	544	4,669	3,635	425	609	38.7	41.2	
Service industries	24,951	1,137	5,350	18,464	13,596	1,851	3,017	36.1	42.1	
Private households	1,090	163	509	318	240	10	68	22.2	43.8	
All other industries	23,861	974	4,741	18,140	13,356	1,841	2,949	36.7	42.1	
Public administration	4,934	70	268	4,596	3,645	400	551	39.9	41.4	
Self-employed workers	6,500	523	1,138	4,839	2,152	540	2,147	40.8	42.7	
Unpaid family workers	398	16	147	235	115	27	92	38.0	48.8	

¹ Includes mining, not shown separately.

HOUSEHOLD DATA

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	May 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 hours or more		
TOTAL								
Both sexes, 16 years and over	91,007	3,986	13,353	73,668	51,888	21,780	39.2	42.7
16 to 21 years	11,151	886	4,555	5,710	4,467	1,243	29.4	40.9
16 to 19 years	6,417	486	3,685	2,246	1,787	459	24.9	40.4
16 to 17 years	2,434	126	2,056	252	217	35	17.4	37.3
18 to 19 years	3,983	361	1,629	1,993	1,568	425	29.5	40.8
20 years and over	84,589	3,500	9,668	71,421	50,101	21,320	39.2	42.7
20 to 24 years	12,626	837	1,714	10,075	7,576	2,499	37.3	41.6
25 years and over	71,964	2,662	7,954	61,348	42,526	18,822	39.6	42.9
25 to 44 years	44,142	1,730	4,079	38,333	26,293	12,040	40.1	43.0
45 to 64 years	25,411	855	2,673	21,883	15,439	6,444	39.8	42.8
65 years and over	2,410	77	1,201	1,132	794	338	29.0	42.3
Males, 16 years and over	51,402	1,828	3,960	45,614	28,982	16,632	41.2	44.0
16 to 21 years	5,740	440	2,125	3,175	2,274	901	31.0	42.0
16 to 19 years	3,286	242	1,788	1,256	927	329	26.1	41.4
16 to 17 years	1,244	67	1,014	163	134	29	18.0	38.3
18 to 19 years	2,041	175	774	1,092	791	301	31.1	41.9
20 years and over	48,116	1,586	2,172	44,358	28,055	16,303	42.3	44.1
20 to 24 years	6,610	402	636	5,572	3,807	1,765	39.3	42.8
25 years and over	41,506	1,184	1,536	38,786	24,248	14,538	42.7	44.3
25 to 44 years	25,251	811	488	23,952	14,676	9,276	43.4	44.5
45 to 64 years	14,841	328	410	14,103	9,086	5,017	42.8	44.0
65 years and over	1,415	46	638	731	485	246	30.6	42.4
Females, 16 years and over	39,605	2,158	9,393	28,054	22,907	5,147	34.4	40.5
16 to 21 years	5,411	446	2,430	2,535	2,193	342	27.9	39.5
16 to 19 years	3,132	245	1,897	990	861	129	23.7	39.0
16 to 17 years	1,190	59	1,041	90	84	6	16.9	35.3
18 to 19 years	1,942	186	855	901	777	124	27.9	39.4
20 years and over	36,473	1,914	7,496	27,063	22,046	5,017	35.3	40.5
20 to 24 years	6,016	435	1,078	4,503	3,769	734	35.1	40.1
25 years and over	30,457	1,479	6,419	22,559	18,275	4,284	35.3	40.6
25 to 44 years	18,892	920	3,591	14,381	11,615	2,766	35.7	40.5
45 to 64 years	10,570	527	2,264	7,779	6,352	1,427	35.5	40.8
65 years and over	995	31	564	400	309	91	26.7	41.9
RACE								
White	80,751	3,301	12,218	65,232	44,941	20,291	38.4	42.9
Males	46,119	1,562	3,543	41,014	25,416	15,598	41.5	44.2
Females	34,632	1,739	8,675	24,218	19,525	4,693	34.2	40.6
Black and other	10,256	685	1,134	8,437	6,948	1,489	37.3	41.0
Males	5,282	266	417	4,599	3,564	1,035	38.9	41.8
Females	4,973	419	718	3,836	3,382	454	35.5	40.0
MARITAL STATUS								
Males, 16 years and over:								
Married, spouse present	34,944	834	1,176	32,934	20,334	12,600	43.0	44.3
Widowed, divorced, or separated	4,525	219	208	4,098	2,624	1,474	42.0	44.1
Single (never married)	11,933	776	2,575	8,582	6,024	2,558	35.8	42.6
Females, 16 years and over:								
Married, spouse present	22,109	1,067	5,570	15,472	12,882	2,590	34.2	40.3
Widowed, divorced, or separated	7,794	471	1,055	6,268	4,935	1,333	37.1	41.0
Single (never married)	9,701	620	2,768	6,313	5,090	1,223	32.6	40.4

HOUSEHOLD DATA

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

[Numbers in thousands]

Occupation and sex	May 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	91,633	4,029	13,489	74,115	52,130	9,075	12,910	38.3	42.7
White-collar workers	49,550	1,302	7,151	41,097	28,355	4,705	8,037	39.0	43.0
Professional and technical	15,177	314	1,713	13,150	8,925	1,575	2,650	39.8	43.1
Managers and administrators, except farm	10,632	154	516	9,962	5,140	1,339	3,483	45.0	46.6
Sales workers	6,091	286	1,556	4,249	2,574	550	1,125	36.5	44.2
Clerical workers	17,650	547	3,365	13,738	11,718	1,242	778	35.4	39.8
Blue-collar workers	29,527	1,641	2,189	25,697	18,216	3,642	3,839	39.5	42.4
Craft and kindred workers	12,015	541	437	11,037	7,511	1,709	1,797	40.9	42.6
Operatives, except transport	9,861	554	572	8,735	6,611	1,192	942	39.4	41.6
Transport equipment operatives	3,194	178	303	2,713	1,572	393	748	41.6	45.4
Nonfarm laborers	4,457	369	876	3,212	2,512	348	352	34.6	41.2
Service workers	12,556	1,086	4,149	7,321	5,559	728	1,034	32.4	42.1
Private household	917	118	489	310	233	19	58	24.3	43.5
Other service workers	11,640	968	3,661	7,011	5,326	709	976	33.0	42.0
Males, 16 years and over	51,853	1,867	4,040	45,946	29,145	6,393	10,408	41.2	44.0
White-collar workers	23,132	395	1,454	21,283	12,201	2,815	6,267	43.2	45.3
Professional and technical	8,451	126	436	7,889	4,891	982	2,016	42.8	44.5
Managers and administrators, except farm	7,786	102	233	7,451	3,463	1,012	2,976	46.5	47.7
Sales workers	3,433	86	384	2,963	1,571	439	953	41.9	45.6
Clerical workers	3,462	81	401	2,980	2,278	381	321	38.3	41.3
Blue-collar workers	24,007	1,212	1,515	21,280	14,598	3,160	3,522	40.2	42.8
Craft and kindred workers	11,250	503	333	10,414	7,085	1,610	1,719	41.1	42.7
Operatives, except transport	5,907	227	279	5,401	3,799	845	757	40.8	42.6
Transport equipment operatives	2,876	150	165	2,551	1,461	381	719	42.8	45.6
Nonfarm laborers	3,974	331	738	2,905	2,256	324	325	34.8	41.3
Service workers	4,714	260	1,071	3,383	2,346	418	619	36.4	43.5
Private household	33	2	22	9	7	--	2	24.6	50.8
Other service workers	4,681	258	1,049	3,374	2,338	418	618	36.5	43.5
Females, 16 years and over	39,780	2,162	9,449	28,169	22,986	2,682	2,501	34.3	40.5
White-collar workers	26,418	906	5,697	19,815	16,155	1,890	1,770	35.2	40.5
Professional and technical	6,726	188	1,278	5,260	4,033	593	634	36.1	40.9
Managers and administrators, except farm	2,846	52	283	2,511	1,677	327	507	40.9	43.6
Sales workers	2,658	200	1,172	1,286	1,005	110	171	29.6	41.0
Clerical workers	14,188	466	2,964	10,758	9,441	860	457	34.7	39.4
Blue-collar workers	5,520	430	674	4,416	3,617	482	317	36.5	40.3
Craft and kindred workers	764	38	104	622	446	98	78	37.6	41.4
Operatives, except transport	3,954	327	293	3,334	2,804	346	184	37.3	40.0
Transport equipment operatives	318	27	139	152	112	12	28	30.4	42.2
Nonfarm laborers	483	38	138	307	256	24	27	32.4	40.6
Service workers	7,842	826	3,078	3,938	3,214	310	414	29.9	40.8
Private household	883	116	467	300	224	19	57	24.3	43.3
Other service workers	6,959	710	2,611	3,638	2,989	292	357	30.7	40.6

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

[Numbers in thousands]

Employment status	May 1981								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,302	3,714	3,588	6,049	3,085	2,964	1,254	629	624
Civilian labor force	1,135	636	499	1,038	581	457	98	55	42
Employed	962	535	427	910	503	407	52	32	20
Agriculture	106	94	11	101	92	10	4	3	2
Nonagricultural industries	856	440	416	809	411	398	47	29	18
Unemployed	173	102	72	127	78	49	46	24	22
Unemployment rate	15.2	16.0	14.4	12.2	13.4	10.7	46.9	(1)	(1)
Not in labor force	6,167	3,078	3,089	5,011	2,504	2,507	1,156	574	582
Keeping house	39	1	38	33	1	32	6	--	6
Going to school	6,041	3,037	3,004	4,909	2,473	2,436	1,132	564	568
Unable to work	5	5	--	4	4	--	1	1	--
All other reasons	82	35	47	65	26	39	17	9	8

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	May 1981					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	962	535	427	100.0	100.0	100.0
Nonagricultural industries	856	440	416	88.9	82.4	97.2
Wage and salary workers	776	379	397	80.6	71.0	92.8
Private household workers	309	89	220	32.1	16.7	51.4
Government workers	25	13	11	2.6	2.4	2.6
Other wage and salary workers	443	277	166	46.0	51.9	38.8
Self-employed workers	71	54	17	7.4	10.1	4.0
Unpaid family workers	10	7	2	1.0	1.3	.5
Agriculture	106	94	11	11.0	17.6	2.6
Wage and salary workers	52	48	4	5.4	9.0	.9
Self-employed workers	29	27	3	3.0	5.1	.7
Unpaid family workers	24	19	5	2.5	3.6	1.2
OCCUPATION						
Total	962	535	427	100.0	100.0	100.0
White-collar workers	207	143	64	21.5	26.8	15.0
Professional and technical	5	4	2	.5	.7	.5
Managers and administrators, except farm	2	1	1	.2	.2	.2
Sales workers	154	130	25	16.0	24.3	5.8
Clerical workers	46	9	36	4.8	1.7	8.4
Blue-collar workers	219	196	22	22.8	36.7	5.1
Craft and kindred workers	12	9	3	1.2	1.7	.7
Operatives, except transport	24	17	7	2.5	3.2	1.6
Transport equipment operatives	2	1	1	.2	.2	.2
Nonfarm laborers	180	169	11	18.7	31.6	2.6
Service workers	467	133	334	48.6	24.9	78.0
Private household workers	231	12	219	24.0	2.2	51.2
Other service workers	236	121	115	24.6	22.7	26.9
Farm workers	69	61	8	7.2	11.4	1.9
Farmers and farm managers	3	2	1	.3	.4	.2
Farm laborers and supervisors	66	59	7	6.9	11.0	1.6

**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	1990								1981				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
TOTAL													
Total noninstitutional population ¹	165,036	166,105	166,391	166,578	166,789	167,005	167,201	167,396	167,585	167,747	167,902	168,071	168,272
Armed Forces ¹	2,098	2,092	2,099	2,114	2,121	2,121	2,119	2,124	2,125	2,121	2,128	2,129	2,127
Civilian noninstitutional population ¹	163,799	164,013	164,293	164,464	164,667	164,884	165,082	165,272	165,460	165,627	165,774	165,941	166,145
Civilian labor force	135,007	134,591	135,020	134,945	134,980	135,167	135,285	135,067	135,543	135,681	135,817	135,946	136,066
Percent of civilian population	82.1	82.0	82.2	82.1	82.1	82.1	82.1	82.0	82.2	82.2	82.2	82.2	82.2
Employed	97,110	96,780	96,909	97,003	97,180	97,206	97,139	97,282	97,696	97,927	98,412	98,976	99,235
Percent of total population	58.8	58.3	58.1	58.3	58.3	58.2	58.2	58.1	58.3	58.4	58.6	58.8	59.0
Agriculture	3,552	3,232	3,267	3,210	3,399	3,319	3,340	3,394	3,403	3,281	3,276	3,463	3,353
Nonagricultural industries	93,704	93,548	93,712	93,793	93,781	93,887	93,999	93,888	94,294	94,646	95,136	95,513	95,882
Unemployed	7,944	7,811	8,021	7,942	7,800	7,961	7,946	7,785	7,847	7,754	7,764	7,746	8,171
Unemployment rate	7.6	7.5	7.6	7.6	7.4	7.6	7.5	7.4	7.4	7.3	7.3	7.3	7.6
Not in labor force	58,139	59,422	59,273	59,519	59,687	59,717	59,797	60,205	59,917	59,946	59,598	59,219	58,739
Males, 20 years and over													
Total noninstitutional population ¹	71,063	71,199	71,326	71,430	71,544	71,661	71,764	71,875	71,980	72,070	72,155	72,249	72,359
Civilian noninstitutional population ¹	69,420	69,532	69,664	69,756	69,864	69,987	70,095	70,198	70,320	70,413	70,481	70,574	70,687
Civilian labor force	55,482	55,182	55,344	55,403	55,475	55,495	55,539	55,470	55,443	55,445	55,416	55,413	55,395
Percent of civilian population	79.9	79.4	79.4	79.4	79.4	79.3	79.2	79.0	78.8	78.7	78.7	78.7	78.8
Employed	51,071	51,624	51,714	51,791	51,823	51,961	52,007	52,045	52,091	52,134	52,511	52,750	52,849
Percent of total population	71.9	72.5	72.5	72.5	72.4	72.5	72.5	72.4	72.4	72.4	72.9	73.0	73.0
Agriculture	2,277	2,301	2,306	2,301	2,389	2,351	2,372	2,331	2,378	2,289	2,296	2,409	2,349
Nonagricultural industries	49,294	49,323	49,408	49,490	49,434	49,612	49,635	49,714	49,713	49,844	50,215	50,342	50,500
Unemployed	3,559	3,558	3,630	3,612	3,652	3,532	3,532	3,425	3,352	3,312	3,305	3,262	3,546
Unemployment rate	6.4	6.4	6.6	6.5	6.6	6.4	6.4	6.2	6.0	6.0	5.9	5.8	6.3
Not in labor force	13,988	14,350	14,320	14,353	14,389	14,492	14,556	14,728	14,877	14,968	14,665	14,561	14,292
Females, 20 years and over													
Total noninstitutional population ¹	78,049	78,340	78,493	78,507	78,712	78,860	78,979	79,097	79,212	79,315	79,415	79,522	79,642
Civilian noninstitutional population ¹	78,090	78,211	78,360	78,473	78,598	78,723	78,842	78,959	79,071	79,175	79,271	79,377	79,498
Civilian labor force	40,193	40,182	40,383	40,523	40,317	40,486	40,529	40,570	40,942	41,090	41,293	41,481	41,852
Percent of civilian population	51.5	51.4	51.5	51.6	51.3	51.4	51.5	51.4	51.8	51.9	52.1	52.3	52.6
Employed	37,000	37,613	37,728	37,990	37,894	37,754	37,909	37,820	38,191	38,410	38,567	38,760	39,014
Percent of total population	47.4	48.0	48.1	48.2	48.0	47.9	48.0	47.8	48.2	48.4	48.6	48.7	49.0
Agriculture	598	550	564	555	592	576	574	665	621	615	606	603	583
Nonagricultural industries	37,002	37,063	37,164	37,335	37,212	37,178	37,335	37,155	37,570	37,794	37,961	38,157	38,431
Unemployed	2,993	2,569	2,655	2,633	2,513	2,732	2,720	2,750	2,750	2,680	2,725	2,721	2,838
Unemployment rate	6.5	6.4	6.6	6.5	6.2	6.7	6.7	6.4	6.7	6.5	6.6	6.6	6.8
Not in labor force	37,057	37,029	37,977	37,950	38,281	38,237	38,213	38,399	38,129	38,085	37,978	37,896	37,646
Both sexes, 18-19 years													
Total noninstitutional population ¹	16,034	16,375	16,572	16,541	16,512	16,484	16,454	16,424	16,393	16,362	16,331	16,300	16,270
Civilian noninstitutional population ¹	16,031	16,271	16,268	16,235	16,205	16,174	16,145	16,114	16,069	16,039	16,022	15,991	15,961
Civilian labor force	9,237	9,227	9,293	9,019	9,138	9,186	9,117	9,027	9,158	9,146	9,069	9,228	9,159
Percent of civilian population	57.9	56.7	57.1	55.5	56.7	56.8	56.5	56.0	57.0	57.0	56.6	57.7	57.4
Employed	7,045	7,543	7,557	7,372	7,553	7,489	7,423	7,417	7,414	7,394	7,334	7,465	7,372
Percent of total population	43.9	45.9	45.6	44.3	45.7	45.4	45.1	45.2	45.2	45.1	44.9	45.8	45.3
Agriculture	777	391	397	354	418	392	394	378	404	375	374	451	421
Nonagricultural industries	7,268	7,162	7,160	6,968	7,135	7,097	7,023	7,019	7,010	7,009	6,960	7,014	6,951
Unemployed	1,782	1,684	1,736	1,697	1,635	1,697	1,694	1,610	1,744	1,762	1,734	1,763	1,787
Unemployment rate	13.9	13.3	13.7	13.9	12.8	13.5	13.6	13.6	13.6	13.3	13.3	13.3	13.5
Not in labor force	6,797	7,148	6,975	7,216	7,017	6,968	7,028	7,007	6,911	6,993	6,954	6,763	6,802

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				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
FULL TIME													
Total, 16 years and over:													
Civilian labor force	89,739	89,226	89,384	89,345	89,862	89,896	90,043	90,040	90,393	90,239	90,556	90,938	91,763
Employed	83,153	82,796	82,753	82,792	83,346	83,337	83,411	83,491	83,933	83,844	84,149	84,645	85,073
Unemployed	6,586	6,430	6,631	6,553	6,516	6,559	6,632	6,549	6,460	6,396	6,407	6,293	6,690
Unemployment rate	7.3	7.2	7.4	7.3	7.3	7.3	7.4	7.3	7.1	7.1	7.1	6.9	7.3
PART TIME													
Total, 16 years and over:													
Civilian labor force	15,329	15,473	15,716	15,560	15,105	15,284	15,250	15,023	15,166	15,410	15,504	15,805	15,693
Employed	13,942	14,110	14,340	14,211	13,794	13,893	13,938	13,798	13,775	14,005	14,108	14,376	14,171
Unemployed	1,387	1,363	1,376	1,349	1,311	1,391	1,312	1,225	1,390	1,405	1,396	1,429	1,522
Unemployment rate	9.0	8.8	8.8	8.7	8.7	9.1	8.6	8.2	9.2	9.1	9.0	9.0	9.7

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				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
WHITE													
Total, 16 years and over:													
Civilian labor force	92,501	92,134	92,335	92,288	92,317	92,516	92,562	92,383	92,832	93,035	93,313	93,860	94,506
Employed	86,251	86,007	86,075	86,067	86,307	86,371	86,409	86,377	86,620	86,940	87,291	87,791	88,083
Unemployed	6,250	6,127	6,260	6,221	6,010	6,145	6,153	6,006	6,213	6,095	6,022	6,069	6,422
Unemployment rate	6.8	6.7	6.8	6.7	6.5	6.6	6.6	6.5	6.7	6.6	6.5	6.5	6.8
Males, 20 years and over:													
Civilian labor force	49,483	49,268	49,321	49,356	49,415	49,461	49,481	49,449	49,426	49,420	49,695	49,987	50,227
Employed	46,627	46,442	46,442	46,503	46,556	46,660	46,684	46,728	46,704	46,757	47,030	47,330	47,427
Unemployed	2,856	2,826	2,879	2,853	2,859	2,801	2,797	2,721	2,722	2,664	2,664	2,658	2,799
Unemployment rate	5.8	5.7	5.8	5.8	5.8	5.7	5.7	5.5	5.5	5.4	5.4	5.2	5.6
Females, 20 years and over:													
Civilian labor force	34,641	34,657	34,749	34,846	34,765	34,883	34,972	34,910	35,313	35,423	35,529	35,727	36,149
Employed	32,679	32,681	32,732	32,823	32,841	32,845	32,944	32,858	33,180	33,421	33,539	33,679	33,987
Unemployed	1,962	1,976	2,017	2,023	1,924	2,038	2,028	2,052	2,133	2,002	1,990	2,048	2,162
Unemployment rate	5.7	5.7	5.8	5.8	5.5	5.8	5.8	5.9	6.0	5.7	5.6	5.7	6.0
Both sexes, 16 to 19 years:													
Civilian labor force	8,377	8,209	8,265	8,086	8,137	8,172	8,109	8,024	8,093	8,191	8,089	8,186	8,130
Employed	6,945	6,884	6,901	6,744	6,910	6,866	6,781	6,791	6,735	6,762	6,721	6,782	6,669
Unemployed	1,432	1,325	1,364	1,342	1,227	1,306	1,328	1,233	1,358	1,429	1,368	1,404	1,461
Unemployment rate	17.1	16.1	16.5	16.5	15.1	16.0	16.4	15.4	16.8	17.4	16.9	17.2	18.0
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	12,546	12,491	12,661	12,630	12,677	12,696	12,706	12,668	12,684	12,598	12,765	12,899	12,895
Employed	10,842	10,809	10,902	10,902	10,894	10,884	10,922	10,895	11,051	10,942	11,020	11,193	11,138
Unemployed	1,704	1,682	1,759	1,728	1,783	1,802	1,784	1,773	1,633	1,655	1,745	1,706	1,757
Unemployment rate	13.6	13.5	13.9	13.7	14.1	14.2	14.0	14.0	12.9	13.1	13.7	13.2	13.6
Males, 20 years and over:													
Civilian labor force	5,944	5,965	6,029	6,049	6,064	6,030	6,042	6,015	5,996	6,007	6,072	6,081	6,153
Employed	5,249	5,235	5,275	5,291	5,266	5,300	5,315	5,315	5,367	5,355	5,414	5,437	5,425
Unemployed	695	730	754	758	798	730	727	700	629	651	658	644	727
Unemployment rate	11.7	12.2	12.5	12.5	13.2	12.1	12.0	11.6	10.5	10.8	10.8	10.6	11.8
Females, 20 years and over:													
Civilian labor force	5,570	5,523	5,600	5,629	5,568	5,648	5,652	5,654	5,638	5,645	5,708	5,764	5,724
Employed	4,925	4,920	4,966	5,017	4,978	4,953	4,965	4,956	5,016	4,976	4,998	5,083	5,036
Unemployed	645	603	634	612	590	695	687	698	621	669	720	681	688
Unemployment rate	11.6	10.9	11.3	10.9	10.6	12.3	12.2	12.3	11.0	11.9	12.6	11.8	12.0
Both sexes, 16 to 19 years:													
Civilian labor force	1,032	1,003	1,032	952	1,045	1,008	1,012	999	1,051	946	995	1,054	1,018
Employed	668	654	661	594	650	631	642	624	667	611	618	673	675
Unemployed	364	349	371	358	395	377	370	375	384	335	367	381	342
Unemployment rate	35.3	34.8	35.9	37.6	37.8	37.4	36.6	37.5	36.5	35.4	37.3	36.1	33.6

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Category	1980								1981				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
CHARACTERISTIC													
Total (all civilian workers)	7.6	7.5	7.6	7.6	7.4	7.6	7.5	7.4	7.4	7.3	7.3	7.3	7.6
Males, 20 years and over	6.4	6.4	6.6	6.5	6.6	6.4	6.4	6.2	6.0	6.0	5.9	5.8	6.3
Females, 20 years and over	6.5	6.4	6.6	6.5	6.2	6.7	6.7	6.8	6.7	6.5	6.6	6.6	6.8
Both sexes, 16-19 years	18.9	18.3	18.7	18.8	17.8	18.5	18.6	17.8	19.0	19.3	19.1	19.1	19.5
White	6.8	6.7	6.8	6.7	6.5	6.6	6.6	6.5	6.7	6.6	6.5	6.5	6.8
Black and other	13.6	13.5	13.9	13.7	14.1	14.2	14.0	14.0	12.9	13.1	13.7	13.2	13.6
Married men, spouse present	4.6	4.6	4.9	4.8	4.7	4.6	4.4	4.3	4.2	4.1	4.1	3.8	4.1
Married women, spouse present	6.1	6.0	6.1	6.0	5.7	6.0	5.9	5.8	6.2	5.8	6.0	5.9	5.9
Women who maintain families	8.3	8.5	8.8	9.0	9.0	10.2	9.9	10.4	10.5	9.6	9.4	9.8	10.3
Full-time workers	7.3	7.2	7.4	7.3	7.3	7.3	7.4	7.3	7.1	7.1	7.1	6.9	7.3
Part-time workers	9.0	8.8	8.8	8.7	8.7	9.1	8.6	8.2	9.2	9.1	9.0	9.0	9.7
Unemployed 15 weeks and over ¹	1.6	1.7	1.8	2.0	2.2	2.2	2.2	2.3	2.2	2.1	2.1	2.0	2.0
Labor force time lost ²	8.6	8.1	8.4	8.3	8.2	8.4	8.3	8.2	8.2	8.1	8.1	8.2	8.6
OCCUPATION													
White-collar workers	3.8	3.7	3.7	3.7	3.8	3.9	3.9	4.0	3.9	3.7	3.9	4.0	4.1
Professional and technical	2.6	2.5	2.4	2.4	2.5	2.6	2.5	2.6	2.8	2.6	2.7	3.2	2.9
Managers and administrators, except farm	2.6	2.5	2.6	2.5	2.4	2.5	2.4	2.5	2.4	2.4	2.6	2.4	2.7
Sales workers	4.4	4.4	4.2	4.2	4.3	4.6	4.8	4.7	4.4	4.0	3.8	4.0	4.6
Clerical workers	5.3	5.2	5.4	5.4	5.4	5.6	5.6	5.8	5.7	5.3	5.9	5.6	5.6
Blue-collar workers	10.9	11.1	11.3	11.1	10.8	10.8	10.7	10.5	10.2	10.1	9.8	9.6	10.0
Craft and kindred workers	7.5	7.5	7.2	7.6	7.4	7.1	7.1	7.1	6.8	7.2	7.1	6.8	7.7
Operatives, except transport	13.7	13.4	14.4	13.3	13.0	13.2	13.0	12.9	12.1	11.9	11.3	11.5	11.9
Transport equipment operatives	8.7	10.0	10.0	9.8	10.4	10.6	10.6	8.8	9.1	8.3	9.3	8.1	8.2
Nonfarm laborers	14.9	15.7	15.8	16.1	15.2	15.3	15.0	14.8	15.0	14.9	14.1	13.8	13.1
Service workers	8.2	8.1	8.3	8.5	8.1	8.3	8.3	7.8	8.0	8.7	8.1	8.5	9.4
Farm workers	4.7	4.5	4.6	5.5	4.3	4.4	4.0	4.0	5.0	4.7	5.1	3.7	5.4
INDUSTRY													
Nonagricultural private wage and salary workers ³	8.0	8.0	8.0	8.0	7.8	7.8	7.8	7.7	7.5	7.5	7.3	7.2	7.8
Construction	16.6	15.6	15.8	17.3	15.9	14.6	14.8	13.8	13.3	13.2	14.7	14.4	16.3
Manufacturing	9.7	9.7	9.8	9.3	9.2	9.2	8.9	8.8	8.4	8.4	8.0	7.4	7.9
Durable goods	10.4	10.9	10.7	10.1	10.0	9.5	9.0	9.0	8.3	8.5	7.9	7.3	7.3
Nondurable goods	8.6	7.9	8.5	8.0	7.9	8.9	8.6	8.5	8.5	8.2	8.3	7.6	8.9
Transportation	5.0	5.1	5.6	5.6	5.3	5.3	4.9	4.9	5.8	5.5	6.4	5.7	5.9
Wholesale and retail trade	7.5	7.7	7.6	7.7	7.7	7.8	8.2	8.3	7.6	7.6	7.3	7.3	8.4
Finance and service industries	5.6	5.6	5.6	5.5	5.4	5.6	5.5	5.5	5.8	6.0	5.6	5.9	5.9
Government workers	4.2	3.5	4.1	4.0	4.1	4.4	4.2	4.1	4.4	4.3	4.6	4.9	4.8
Agricultural wage and salary workers	11.4	10.4	10.8	13.2	10.7	11.1	10.1	10.6	11.5	12.1	11.9	9.1	11.1

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				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
DURATION													
Less than 5 weeks	3,714	3,281	3,317	3,255	3,042	3,186	3,108	3,115	3,259	3,203	3,209	3,074	3,369
5 to 14 weeks	2,589	2,812	2,649	2,533	2,586	2,500	2,524	2,217	2,264	2,324	2,356	2,462	2,581
15 weeks and over	1,686	1,777	1,935	2,150	2,295	2,292	2,329	2,378	2,358	2,250	2,192	2,105	2,168
15 to 26 weeks	980	1,024	1,093	1,239	1,366	1,256	1,213	1,231	1,079	992	1,013	1,001	1,022
27 weeks and over	706	753	842	911	929	1,036	1,116	1,147	1,279	1,257	1,179	1,104	1,146
Average (mean) duration, in weeks	10.6	11.7	11.8	12.5	13.0	13.3	13.6	13.5	14.4	14.4	14.0	13.7	13.2
Median duration, in weeks	5.8	6.4	7.1	7.4	8.0	7.5	7.7	7.3	7.4	6.9	7.0	7.7	7.1
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	46.5	41.7	42.0	41.0	38.4	39.9	39.0	40.4	41.3	41.2	41.4	40.2	41.5
5 to 14 weeks	32.4	35.7	33.5	31.9	32.6	31.3	31.7	28.8	28.7	29.9	30.4	32.2	31.8
15 weeks and over	21.1	22.6	24.5	27.1	29.0	28.7	29.3	30.8	29.9	28.9	28.3	27.6	26.7
15 to 26 weeks	12.3	13.0	13.8	15.6	17.2	15.7	15.2	16.0	13.7	12.8	13.1	13.1	12.6
27 weeks and over	8.8	9.6	10.7	11.5	11.7	13.0	14.0	14.9	16.2	16.2	15.2	14.5	14.1

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

Sex and age	1980								1981				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total, 16 years and over	7.6	7.5	7.6	7.6	7.4	7.6	7.5	7.4	7.4	7.3	7.3	7.3	7.6
16 to 19 years	18.9	18.3	18.7	18.8	17.8	18.5	18.6	17.8	19.0	19.3	19.1	19.1	19.5
16 to 17 years	21.2	20.0	20.5	22.1	20.1	20.9	21.4	19.9	21.0	21.4	21.3	22.0	21.6
18 to 19 years	17.4	17.6	17.4	16.5	16.0	16.7	16.5	16.4	17.5	17.9	17.7	17.2	18.2
20 to 24 years	12.5	12.1	12.1	12.0	12.0	12.3	12.1	11.7	11.9	11.8	11.7	12.1	12.9
25 years and over	5.3	5.4	5.5	5.4	5.4	5.4	5.4	5.3	5.3	5.1	5.2	5.0	5.3
25 to 54 years	5.6	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.7	5.5	5.5	5.4	5.6
55 years and over	3.4	3.3	3.4	3.4	3.4	3.4	3.3	3.5	3.5	3.6	3.7	3.3	3.3
Males, 16 years and over	7.5	7.5	7.6	7.6	7.6	7.4	7.4	7.2	7.2	7.1	7.0	6.9	7.4
16 to 19 years	19.4	19.1	19.5	19.9	18.9	19.8	19.8	19.0	20.3	20.1	19.5	19.3	20.2
16 to 17 years	21.5	21.5	20.9	23.7	21.2	21.8	22.3	20.5	23.0	22.1	21.1	22.7	22.7
18 to 19 years	17.6	18.8	18.4	17.1	16.9	18.1	17.8	17.8	13.5	18.7	18.6	17.0	18.3
20 to 24 years	13.5	13.4	13.2	13.6	13.5	13.8	13.2	12.5	12.8	12.7	13.0	13.2	14.2
25 years and over	5.1	5.2	5.4	5.3	5.4	5.1	5.1	4.9	4.9	4.8	4.7	4.6	4.8
25 to 54 years	5.4	5.6	5.8	5.7	6.0	5.6	5.6	5.4	5.2	5.2	5.1	4.9	5.1
55 years and over	3.4	3.6	3.6	3.6	3.5	3.3	3.3	3.3	3.4	3.4	3.2	3.1	3.4
Females, 16 years and over	7.6	7.4	7.7	7.6	7.2	7.7	7.7	7.7	7.7	7.6	7.7	7.7	7.9
16 to 19 years	18.3	17.3	17.7	17.6	16.6	17.0	17.2	16.5	17.5	18.4	13.7	18.9	18.7
16 to 17 years	20.9	18.3	20.1	20.2	18.8	19.8	20.3	19.3	18.7	20.5	21.6	21.1	20.4
18 to 19 years	17.2	16.3	16.2	15.9	15.1	15.1	15.1	14.8	16.4	17.0	16.5	17.4	18.2
20 to 24 years	11.3	10.6	10.9	10.2	10.2	10.6	10.8	10.8	10.8	10.8	10.1	10.9	11.4
25 years and over	5.5	5.5	5.7	5.7	5.4	5.9	5.8	5.9	5.8	5.6	5.9	5.6	5.9
25 to 54 years	6.0	6.0	6.1	6.2	5.9	6.4	6.2	6.3	6.3	5.9	6.2	6.0	6.4
55 years and over	3.3	2.9	3.1	3.1	3.3	3.4	3.4	3.9	3.6	3.9	4.5	3.7	3.3

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

(Numbers in thousands)

Reason for unemployment	1980								1981				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	4,164	4,468	4,364	4,319	4,387	4,240	4,229	4,226	3,847	3,896	3,846	3,819	4,084
On layoff	1,771	1,954	1,832	1,699	1,744	1,692	1,453	1,470	1,258	1,267	1,299	1,280	1,368
Other job losers	2,393	2,514	2,532	2,620	2,643	2,548	2,776	2,756	2,590	2,629	2,547	2,539	2,715
Job leavers	930	887	866	890	855	870	897	813	907	884	863	854	1,009
Reentrants	1,975	1,834	1,868	1,883	1,844	2,013	1,896	1,869	2,039	1,970	2,040	2,017	2,126
New entrants	871	872	893	870	862	880	890	868	1,000	928	986	987	938
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	52.4	55.4	54.6	54.2	55.2	53.0	53.5	54.3	49.4	50.7	49.7	49.7	50.1
On layoff	22.3	24.2	22.9	21.3	21.9	21.1	18.4	18.9	16.1	16.5	16.8	16.7	16.8
Other job losers	30.1	31.2	31.7	32.9	33.3	31.8	35.1	35.4	33.2	34.2	32.9	33.1	33.3
Job leavers	11.7	11.0	10.8	11.2	10.8	10.9	11.3	10.5	11.6	11.5	11.2	11.1	12.4
Reentrants	24.9	22.8	23.4	23.6	23.2	25.2	24.0	24.0	26.2	25.7	26.4	26.3	26.1
New entrants	11.0	10.8	11.2	10.9	10.8	11.0	11.2	11.2	12.8	12.1	12.7	12.9	11.5
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	4.0	4.3	4.2	4.1	4.2	4.0	4.0	4.0	3.6	3.7	3.6	3.6	3.8
Job leavers .....	.9	.8	.8	.9	.8	.8	.9	.8	.9	.8	.8	.8	.9
Reentrants	1.9	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.9	1.9	1.9	1.9	2.0
New entrants .....	.8	.8	.9	.8	.8	.8	.8	.8	.9	.9	.9	.9	.9

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[In thousands]

Sex and age	1980								1981				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total, 16 years and over	97,116	96,780	96,999	97,003	97,180	97,206	97,339	97,282	97,696	97,927	98,412	98,976	99,235
16 to 19 years	7,045	7,543	7,557	7,322	7,553	7,489	7,423	7,417	7,414	7,384	7,334	7,465	7,372
16 to 17 years	3,049	3,039	3,056	2,837	3,003	2,963	2,916	2,906	2,937	2,927	2,908	2,964	2,893
18 to 19 years	4,006	4,473	4,510	4,477	4,598	4,535	4,525	4,506	4,467	4,441	4,411	4,487	4,464
20 to 24 years	13,572	13,442	13,547	13,541	13,543	13,594	13,593	13,633	13,725	13,661	13,684	13,711	13,704
25 years and over	75,091	75,852	75,965	76,119	76,096	76,150	76,231	76,242	76,611	76,847	77,367	77,735	78,151
25 to 54 years	61,030	61,520	61,594	61,729	61,845	61,916	62,110	62,142	62,482	62,676	63,019	63,423	63,701
55 years and over	14,033	14,293	14,331	14,415	14,263	14,216	14,159	14,095	14,108	14,186	14,314	14,360	14,447
Males, 16 years and over	55,914	55,597	55,678	55,589	55,754	55,881	55,897	55,920	56,012	56,045	56,383	56,688	56,718
16 to 19 years	4,043	3,973	3,964	3,798	3,931	3,918	3,893	3,875	3,921	3,912	3,872	3,937	3,869
16 to 17 years	1,643	1,616	1,640	1,489	1,579	1,588	1,564	1,555	1,562	1,581	1,545	1,551	1,500
18 to 19 years	2,400	2,326	2,338	2,305	2,396	2,339	2,333	2,317	2,347	2,332	2,321	2,373	2,367
20 to 24 years	7,071	7,140	7,185	7,149	7,175	7,174	7,190	7,245	7,253	7,223	7,239	7,238	7,239
25 years and over	44,586	44,509	44,555	44,671	44,649	44,803	44,791	44,806	44,862	44,896	45,266	45,464	45,563
25 to 54 years	35,020	35,785	35,820	35,894	35,977	36,076	36,128	36,131	36,204	36,206	36,488	36,707	36,840
55 years and over	8,772	8,734	8,732	8,768	8,691	8,677	8,670	8,682	8,645	8,693	8,758	8,780	8,760
Females, 16 years and over	41,202	41,183	41,321	41,414	41,426	41,325	41,442	41,362	41,684	41,882	42,029	42,288	42,517
16 to 19 years	3,002	3,570	3,593	3,524	3,622	3,571	3,533	3,542	3,493	3,472	3,462	3,528	3,503
16 to 17 years	1,406	1,423	1,416	1,349	1,424	1,375	1,352	1,351	1,375	1,346	1,363	1,413	1,393
18 to 19 years	2,179	2,147	2,172	2,172	2,202	2,196	2,195	2,189	2,120	2,118	2,090	2,114	2,097
20 to 24 years	6,501	6,302	6,362	6,392	6,368	6,420	6,403	6,388	6,472	6,438	6,444	6,473	6,464
25 years and over	31,005	31,343	31,410	31,448	31,447	31,347	31,440	31,436	31,749	31,950	32,101	32,271	32,588
25 to 54 years	25,710	25,735	25,774	25,835	25,868	25,840	25,982	26,011	26,278	26,471	26,532	26,715	26,861
55 years and over	5,361	5,559	5,599	5,647	5,572	5,539	5,489	5,413	5,463	5,493	5,556	5,580	5,687

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

[In thousands]

Sex and age	1980								1981				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total, 16 years and over	7,944	7,811	8,021	7,942	7,800	7,961	7,946	7,785	7,847	7,754	7,764	7,746	8,171
16 to 19 years	1,782	1,684	1,736	1,697	1,635	1,697	1,694	1,610	1,744	1,762	1,734	1,763	1,787
16 to 17 years	622	760	790	804	755	781	794	723	783	796	789	834	798
18 to 19 years	965	957	949	896	878	909	833	881	949	967	946	929	995
20 to 24 years	1,236	1,856	1,973	1,854	1,843	1,913	1,873	1,809	1,845	1,831	1,810	1,890	2,032
25 years and over	4,216	4,298	4,435	4,385	4,344	4,368	4,342	4,302	4,269	4,171	4,233	4,101	4,343
25 to 54 years	3,084	3,763	3,895	3,865	3,905	3,885	3,874	3,835	3,766	3,647	3,683	3,587	3,810
55 years and over	1,132	493	509	512	507	494	489	512	507	528	552	496	499
Males, 16 years and over	4,543	4,496	4,593	4,559	4,566	4,498	4,491	4,334	4,353	4,293	4,245	4,205	4,527
16 to 19 years	374	938	963	946	914	966	953	909	1,001	981	940	943	981
16 to 17 years	450	442	433	463	425	442	450	400	466	449	414	455	440
18 to 19 years	513	538	528	475	487	518	504	501	533	534	532	485	529
20 to 24 years	1,134	1,108	1,095	1,129	1,117	1,150	1,095	1,032	1,061	1,052	1,085	1,097	1,198
25 years and over	2,397	2,466	2,551	2,497	2,557	2,398	2,406	2,324	2,306	2,283	2,235	2,175	2,312
25 to 54 years	2,045	2,108	2,215	2,159	2,292	2,121	2,149	2,073	1,992	1,977	1,942	1,874	1,962
55 years and over	310	325	329	332	319	300	293	292	306	303	293	280	306
Females, 16 years and over	3,401	3,315	3,428	3,384	3,234	3,463	3,455	3,451	3,493	3,461	3,519	3,541	3,644
16 to 19 years	608	746	773	751	721	731	735	701	743	781	794	820	806
16 to 17 years	372	318	357	341	330	339	344	323	317	347	375	379	358
18 to 19 years	452	419	421	411	391	391	389	380	416	433	414	444	466
20 to 24 years	602	748	778	725	726	763	778	777	785	779	726	793	833
25 years and over	1,819	1,832	1,994	1,888	1,787	1,970	1,936	1,978	1,962	1,887	1,998	1,926	2,031
25 to 54 years	1,039	1,655	1,680	1,706	1,613	1,764	1,725	1,762	1,774	1,670	1,741	1,712	1,849
55 years and over	192	168	180	180	188	194	196	220	201	225	259	216	193

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Category	1980								1981				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
CHARACTERISTIC													
Total, 16 years and over	97,116	96,780	96,999	97,003	97,180	97,206	97,339	97,282	97,696	97,927	98,412	98,976	99,235
Married men, spouse present	38,197	38,220	38,049	37,987	38,027	38,142	38,167	38,231	38,182	38,113	38,365	38,510	38,498
Married women, spouse present	23,145	23,131	23,118	23,126	23,027	22,993	23,065	23,063	23,352	23,356	23,513	23,529	23,831
OCCUPATION													
White-collar workers	50,627	50,836	51,023	51,307	51,074	51,101	51,148	51,065	51,594	51,698	51,746	51,801	51,967
Professional and technical	15,540	15,682	15,717	15,751	15,540	15,780	15,863	15,810	15,965	15,813	15,827	15,754	15,688
Managers and administrators, except farm	10,877	10,901	10,999	11,109	11,007	10,979	11,016	11,009	11,363	11,488	11,565	11,444	11,260
Sales workers	6,072	6,046	6,130	6,140	6,316	6,277	6,155	6,175	6,265	6,271	6,220	6,145	6,461
Clerical workers	18,138	18,207	18,177	18,307	18,211	18,065	18,114	18,071	18,001	18,125	18,135	18,457	18,557
Blue-collar workers	30,800	30,443	30,276	30,232	30,436	30,521	30,550	30,373	30,338	30,446	30,594	31,156	31,373
Craft and kindred workers	12,551	12,357	12,403	12,346	12,490	12,485	12,424	12,337	12,306	12,386	12,605	12,624	12,743
Operatives, except transport Transport equipment operatives	10,379	10,233	10,189	10,147	10,202	10,210	10,247	10,194	10,331	10,390	10,189	10,524	10,609
Nonfarm laborers	3,458	3,429	3,354	3,478	3,434	3,443	3,429	3,402	3,322	3,361	3,363	3,411	3,390
Service workers	4,412	4,424	4,330	4,261	4,310	4,383	4,450	4,440	4,380	4,309	4,437	4,596	4,632
Farm workers	12,947	12,941	13,017	12,928	12,943	12,891	12,888	12,982	12,946	13,070	13,279	13,255	13,213
MAJOR INDUSTRY AND CLASS OF WORKER	2,730	2,625	2,694	2,620	2,757	2,735	2,729	2,804	2,737	2,662	2,679	2,834	2,707
Agriculture:													
Wage and salary workers	1,396	1,369	1,360	1,282	1,417	1,363	1,417	1,411	1,465	1,336	1,338	1,524	1,464
Self-employed workers	1,642	1,606	1,631	1,640	1,688	1,640	1,612	1,655	1,615	1,610	1,615	1,648	1,644
Unpaid family workers	292	278	295	280	309	325	324	305	284	325	312	290	231
Nonagricultural industries:													
Wage and salary workers	86,722	86,370	86,432	86,490	86,395	86,587	86,643	86,513	87,125	87,236	87,870	88,195	88,877
Government	15,720	15,817	15,718	15,531	15,575	15,597	15,651	15,653	15,738	15,589	15,685	15,628	15,512
Private industries	71,002	70,553	70,714	70,959	70,820	70,990	70,992	70,860	71,387	71,647	72,185	72,567	73,365
Private households	1,197	1,204	1,230	1,196	1,125	1,144	1,148	1,110	1,197	1,176	1,235	1,241	1,164
Other industries	69,805	69,349	69,484	69,763	69,695	69,846	69,844	69,750	70,190	70,471	70,949	71,327	72,201
Self-employed workers	6,698	6,728	6,801	6,881	6,977	7,005	6,943	6,973	6,839	6,923	6,896	7,021	6,761
Unpaid family workers	406	445	426	403	416	417	405	396	422	371	354	306	338
PERSONS AT WORK¹													
Nonagricultural industries	87,974	87,994	87,431	88,195	88,246	88,488	88,594	88,468	89,499	89,441	89,583	89,202	89,870
Full-time schedules	71,501	71,454	70,825	71,526	71,929	72,071	72,265	72,131	72,807	72,945	72,875	72,761	73,375
Part-time for economic reasons	4,276	3,969	4,086	4,143	4,183	4,220	4,176	4,218	4,474	4,145	4,227	4,044	4,143
Usually work full-time	1,998	1,734	1,794	1,709	1,701	1,685	1,620	1,647	1,698	1,622	1,638	1,517	1,630
Usually work part-time	2,278	2,235	2,292	2,434	2,482	2,535	2,556	2,571	2,776	2,523	2,589	2,527	2,513
Part time for noneconomic reasons	12,197	12,571	12,520	12,526	12,134	12,197	12,253	12,119	12,218	12,351	12,481	12,397	12,352

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

HOUSEHOLD DATA

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

(Numbers in thousands)

Veteran status and age	Not seasonally adjusted									
	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed		Percent of labor force	
	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981	May 1980	May 1981
VETERANS										
Total, 25 years and over	8,232	8,526	7,834	8,085	7,385	7,647	449	438	5.7	5.4
25 to 29 years	7,255	7,323	6,994	7,040	6,574	6,637	420	403	6.0	5.7
25 to 29 years	1,742	1,516	1,639	1,422	1,489	1,283	150	133	9.2	9.4
30 to 34 years	3,589	3,368	3,485	3,255	3,290	3,080	195	175	5.6	5.4
35 to 39 years	1,924	2,439	1,870	2,363	1,795	2,268	75	95	4.0	4.0
40 years and over	977	1,203	840	1,045	811	1,010	29	35	3.5	3.3
NONVETERANS										
Total, 25 to 39 years	13,364	16,239	14,589	15,470	13,673	14,593	916	877	6.3	5.7
25 to 29 years	7,037	7,359	6,640	6,984	6,131	6,521	509	463	7.7	6.6
30 to 34 years	4,524	5,179	4,329	4,948	4,082	4,671	247	277	5.7	5.6
35 to 39 years	3,803	3,701	3,620	3,538	3,460	3,401	160	137	4.4	3.9

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.

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

B-1. Employees on nonagricultural payrolls by industry division, 1920 to date

(In thousands)

Year and month	Goods-producing														Service-producing									
	Total	Total				Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government											
		Mining	Construction	Manufacturing	Total			Wholesale trade	Retail trade	Total			Federal	State and local										
1920.....	27,340	12,760	1,239	863	10,658	14,580	3,998	4,467	-	-	1,160	2,352	2,603	-	-									
1925.....	28,766	12,489	1,089	1,461	9,939	16,277	3,826	5,576	-	-	1,218	2,857	2,800	-	-									
1926.....	29,806	12,911	1,185	1,570	10,156	16,895	3,942	5,784	-	-	1,290	3,033	2,846	-	-									
1927.....	29,962	12,738	1,114	1,623	10,001	17,224	3,895	5,908	-	-	1,352	3,154	2,915	-	-									
1928.....	29,986	12,618	1,050	1,621	9,947	17,368	3,828	5,874	-	-	1,420	3,251	2,995	-	-									
1929.....	31,324	13,301	1,087	1,512	10,702	18,023	3,916	6,123	-	-	1,494	3,425	3,065	533	2,532									
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	7,116	2,107	5,399									
1958.....	51,324	19,513	751	2,817	15,945	31,811	3,976	10,750	2,980	7,770	2,481	6,765	7,839	2,191	5,648									
1959.....	53,268	20,411	732	3,004	16,675	32,857	4,011	11,127	3,082	8,045	2,549	7,087	8,083	2,233	5,850									
1960.....	54,189	20,434	712	2,926	16,796	33,755	4,004	11,391	3,143	8,248	2,629	7,378	8,353	2,270	6,083									
1961.....	53,999	19,857	672	2,859	16,326	34,142	3,903	11,337	3,133	8,204	2,688	7,626	8,594	2,279	6,315									
1962.....	55,549	20,451	650	2,948	16,853	35,098	3,906	11,566	3,198	8,368	2,754	7,982	8,890	2,340	6,550									
1963.....	56,653	20,640	635	3,010	16,995	36,013	3,903	11,778	3,248	8,530	2,830	8,277	9,225	2,358	6,868									
1964.....	58,283	21,005	634	3,097	17,274	37,278	3,951	12,160	3,337	8,823	2,911	8,660	9,596	2,348	7,248									
1965.....	60,765	21,926	632	3,232	18,062	38,839	4,036	12,716	3,466	9,250	2,977	9,036	10,074	2,378	7,636									
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	2,759	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	2,744	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	2,728	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	12,138									
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	25,584	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.....	89,886	26,500	960	4,483	21,062	63,382	5,141	20,269	5,204	15,066	4,974	17,078	15,920	2,773	13,147									
1980.....	90,657	25,853	1,025	4,469	20,361	64,801	5,156	20,573	5,281	15,292	5,162	17,741	16,170	2,866	13,304									
1980:																								
MAY.....	90,849	25,745	1,024	4,471	20,250	65,104	5,167	20,497	5,263	15,234	5,137	17,747	15,556	2,953	13,593									
JUN.....	91,049	25,861	1,049	4,611	20,201	65,188	5,185	20,562	5,287	15,275	5,201	17,846	16,394	2,995	13,399									
JUL.....	89,820	25,417	1,030	4,633	19,754	64,403	5,145	20,596	5,278	15,228	5,229	17,973	15,550	2,949	12,601									
AUG.....	90,072	25,785	1,029	4,712	20,044	64,287	5,144	20,579	5,284	15,295	5,232	17,966	15,366	2,862	12,504									
SEPT.....	90,729	25,994	1,035	4,690	20,269	64,735	5,170	20,692	5,291	15,401	5,194	17,915	15,764	2,754	13,010									
OCT.....	91,332	26,041	1,039	4,700	20,302	65,291	5,178	20,708	5,313	15,395	5,204	17,989	15,252	2,774	13,478									
NOV.....	91,693	25,041	1,055	4,618	20,368	65,652	5,158	20,937	5,313	15,624	5,215	17,951	16,391	2,776	13,615									
DEC.....	91,846	25,811	1,064	4,431	20,316	66,035	5,163	21,313	5,318	15,995	5,229	17,978	16,352	2,782	13,570									
1981:																								
JAN.....	90,082	25,304	1,069	4,380	20,155	64,778	5,075	20,555	5,278	15,277	5,226	17,788	16,134	2,773	13,361									
FEB.....	90,245	25,207	1,073	3,985	20,149	65,038	5,089	20,396	5,275	15,121	5,235	17,945	15,373	2,774	13,599									
MAR.....	90,817	25,467	1,086	4,135	20,246	65,350	5,077	20,480	5,294	15,186	5,252	18,103	16,408	2,769	13,639									
APR.....	91,363	25,561	943	4,286	20,332	65,802	5,131	20,710	5,317	15,393	5,281	18,293	16,387	2,775	13,612									
MAY.....	91,860	25,679	952	4,350	20,377	66,181	5,163	20,899	5,337	15,562	5,307	18,458	16,354	2,782	13,572									

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

p=preliminary.

NOTE: Data from April 1979 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" in the Explanatory notes of this publication.

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
	TOTAL	90,761	90,849	90,817	91,363	91,860	-	-	-	-	-
	PRIVATE SECTOR**	74,110	74,293	74,409	74,976	75,506	60,311	60,458	60,261	60,827	61,307
	MINING	1,006	1,024	1,086	943	952	750	765	805	637	689
	METAL MINING	103.3	105.1	101.5	101.4	-	78.4	79.8	76.9	76.4	-
10	Iron ores	22.3	22.6	21.0	21.3	-	17.3	17.6	16.5	16.9	-
102	Copper ores	35.0	35.6	35.6	35.7	-	27.2	27.7	27.6	27.6	-
	COAL MINING	263.3	258.8	270.1	109.8	-	219.2	214.0	222.9	91.3	-
11, 12	BITUMINOUS COAL AND LIGNITE MINING	260.1	255.6	266.8	106.5	-	216.3	211.2	220.0	88.3	-
	OIL AND GAS EXTRACTION	520.2	537.1	606.7	619.7	-	359.2	375.0	424.0	433.0	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	209.9	213.7	234.2	237.0	-	96.8	99.5	102.5	103.2	-
138	Oil and gas field services	310.3	323.4	372.5	382.7	-	262.4	275.5	321.5	329.8	-
	NONMETALLIC MINERALS, EXCEPT FUELS	119.4	122.9	107.5	112.4	-	93.5	96.5	81.5	85.2	-
142	Crushed and broken stone	39.6	40.4	32.2	34.7	-	32.8	33.6	25.9	28.4	-
144	Sand and gravel	35.1	37.4	30.8	33.0	-	-	-	-	-	-
147	Chemical and fertilizer minerals	25.2	25.5	25.3	25.3	-	-	-	-	-	-
	CONSTRUCTION	4,311	4,471	4,135	4,286	4,350	3,369	3,526	3,173	3,318	3,383
	GENERAL BUILDING CONTRACTORS	1,172.3	1,214.2	1,117.6	1,141.3	-	891.7	933.1	826.9	849.9	-
152	Residential building construction	537.4	561.9	523.1	543.0	-	388.4	412.5	370.4	389.7	-
153	Operative builders	71.7	70.5	66.4	67.2	-	43.1	42.1	35.9	35.6	-
154	Nonresidential building construction	563.2	581.8	528.1	531.1	-	460.2	478.5	420.6	424.6	-
	HEAVY CONSTRUCTION CONTRACTORS	848.4	911.2	753.6	819.4	-	677.9	740.0	594.3	657.9	-
161	Highway and street construction	241.4	286.2	186.9	223.6	-	291.4	245.6	149.4	184.7	-
162	Heavy construction, except highway	607.0	625.0	566.7	595.8	-	476.5	494.4	444.9	473.2	-
	SPECIAL TRADE CONTRACTORS	2,290.0	2,345.8	2,263.9	2,325.3	-	1,799.4	1,853.1	1,752.0	1,809.9	-
171	Plumbing, heating, air conditioning	555.9	560.8	574.0	575.6	-	415.8	419.7	424.8	427.3	-
172	Painting, paper hanging, decorating	150.8	158.9	134.4	146.0	-	125.6	134.3	108.6	119.9	-
173	Electrical work	410.7	413.2	422.8	424.7	-	315.9	319.0	322.1	324.1	-
174	Masonry, stonework, and plastering	374.0	378.1	370.6	374.4	-	322.2	325.3	315.3	318.6	-
175	Carpentering and flooring	116.0	118.9	118.6	122.6	-	86.4	88.9	87.5	91.4	-
176	Roofing and sheet metal work	169.0	172.1	155.6	164.3	-	136.2	138.6	122.5	133.8	-
	MANUFACTURING**	20,533	20,250	20,246	20,332	20,377	14,466	14,172	14,127	14,203	14,260
24, 25, 32-39	DURABLE GOODS	12,414	12,150	12,159	12,230	12,248	8,672	8,409	8,381	8,448	8,468
20-23, 28-31	NONDURABLE GOODS**	8,119	8,100	8,087	8,102	8,129	5,794	5,763	5,746	5,755	5,792
	DURABLE GOODS										
	LUMBER AND WOOD PRODUCTS	678.4	654.8	671.4	679.4	691.3	567.0	544.1	558.9	566.3	576.3
241	Logging camps and logging contractors	77.2	79.7	77.2	76.2	-	62.6	64.5	60.6	59.4	-
242	Sawmills and planing mills	212.0	205.5	204.4	207.5	-	187.5	181.3	180.3	183.4	-
2421	Sawmills and planing mills, general	174.4	168.4	170.4	173.3	-	154.4	148.6	150.9	153.7	-
2428	Hardwood dimension and flooring	30.6	29.8	28.7	28.9	-	26.6	25.9	24.7	25.0	-
243	Millwork, plywood, and structural members	194.7	183.3	200.9	201.6	-	159.3	148.8	166.1	157.1	-
2431	Millwork	67.3	61.8	68.1	68.6	-	53.4	48.3	54.8	55.3	-
2434	Wood kitchen cabinets	47.0	45.7	46.1	46.1	-	38.9	37.7	36.8	37.0	-
2435	Hardwood veneer and plywood	26.9	25.3	27.7	28.1	-	23.7	22.2	24.3	24.7	-
2436	Softwood veneer and plywood	39.2	36.7	44.1	43.9	-	33.2	30.9	39.3	39.0	-
244	Wooden containers	44.4	44.0	42.7	43.3	-	38.5	38.1	36.7	37.2	-
245	Wood buildings and mobile homes	67.2	62.6	65.6	69.6	-	50.3	45.6	47.9	51.4	-
2451	Mobile homes	43.3	44.2	47.4	50.2	-	37.8	33.5	35.9	38.3	-
249	Miscellaneous wood products	82.9	79.7	80.6	81.2	-	58.8	65.8	67.3	67.8	-
	FURNITURE AND FIXTURES	488.7	469.1	477.5	482.7	484.1	396.8	377.7	385.3	390.1	390.9
251	Household furniture	320.5	307.2	314.6	318.5	-	270.4	257.0	263.8	267.4	-
2511	Wood household furniture	144.5	141.4	145.2	146.2	-	125.7	122.6	125.9	125.9	-
2512	Upholstered household furniture	99.0	94.1	97.2	98.4	-	82.3	77.4	79.6	80.6	-
2514	Metal household furniture	31.7	29.3	29.9	30.9	-	26.0	23.5	24.5	25.5	-
2515	Mattresses and bedsprings	29.8	27.4	28.5	28.4	-	22.8	20.5	21.8	21.7	-
252	Office furniture	50.8	49.6	51.0	51.8	-	39.9	38.9	39.7	40.4	-
253	Public building and related furniture	25.9	24.8	24.9	24.7	-	19.2	18.4	18.5	18.3	-
254	Partitions and fixtures	63.7	60.4	58.9	59.4	-	48.0	44.7	44.0	44.4	-
259	Miscellaneous furniture and fixtures	27.8	27.1	28.1	28.3	-	19.3	18.7	19.3	19.6	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
32	STONE, CLAY, AND GLASS PRODUCTS	675.5	668.1	641.3	654.2	657.4	526.3	518.4	491.7	504.0	507.3
321	Flat glass	17.6	16.7	18.8	18.8	-	13.5	12.6	14.3	14.5	-
322	Glass and glassware, pressed or blown	128.4	127.9	124.2	125.2	-	109.4	109.0	104.2	105.2	-
3221	Glass containers	69.4	69.5	67.0	68.5	-	60.8	61.0	58.3	59.9	-
3229	Pressed and blown glass, nec	59.0	58.4	57.2	56.7	-	48.6	48.0	45.9	45.3	-
323	Products of purchased glass	45.9	44.6	46.3	46.3	-	33.9	32.0	31.9	31.5	-
324	Cement, hydraulic	31.8	31.6	30.2	30.5	-	25.4	25.3	23.7	24.0	-
325	Structural clay products	46.8	44.9	41.4	42.7	-	35.2	33.7	31.0	32.2	-
326	Pottery and related products	47.1	45.5	43.1	42.4	-	39.1	37.5	35.6	35.1	-
327	Concrete, gypsum, and plaster products	199.6	204.3	183.0	193.0	-	152.8	157.6	138.3	148.4	-
3271	Concrete block and brick	21.4	21.5	19.2	20.3	-	14.7	14.9	13.1	14.2	-
3272	Concrete products, nec	65.7	66.1	59.9	61.8	-	49.4	49.8	44.0	45.9	-
3273	Ready-mixed concrete	91.4	96.0	83.8	90.8	-	71.6	76.2	64.9	71.9	-
329	Misc. nonmetallic mineral products	145.8	140.2	142.0	142.9	-	106.8	100.6	102.8	103.1	-
3291	Abrasive products	30.0	29.6	28.6	28.8	-	20.4	19.9	19.5	19.5	-
3292	Asbestos products	20.5	18.2	19.4	19.5	-	15.7	13.5	15.0	15.1	-
3296	Mineral wool	32.4	31.5	32.1	31.8	-	-	-	-	-	-
33	PRIMARY METAL INDUSTRIES	1,193.8	1,149.8	1,129.1	1,136.0	1,133.9	926.3	882.8	869.8	876.9	874.6
331	Blast furnace and basic steel products	538.6	519.8	508.2	513.5	-	420.6	402.2	395.3	400.7	-
3312	Blast furnaces and steel mills	451.0	436.5	425.8	430.5	-	353.4	339.0	332.6	337.1	-
3317	Steel pipe and tubes	29.1	27.6	29.6	29.5	-	22.4	21.0	22.9	23.0	-
332	Iron and steel foundries	217.4	208.7	202.0	202.1	-	175.4	166.9	161.8	162.0	-
3321	Gray iron foundries	127.5	121.8	119.8	120.0	-	104.6	99.1	97.8	98.1	-
3322	Malleable iron foundries	17.9	17.0	15.8	16.0	-	13.9	13.0	12.2	12.4	-
3325	Steel foundries, nec	59.1	57.5	53.6	53.6	-	47.0	45.4	42.4	42.4	-
333	Primary nonferrous metals	71.4	71.7	69.2	69.3	-	54.4	54.9	52.1	52.3	-
3334	Primary aluminum	36.3	36.5	34.9	35.1	-	28.6	28.7	27.0	27.1	-
335	Nonferrous rolling and drawing	218.2	209.0	208.3	209.0	-	158.3	148.5	148.7	149.1	-
3351	Copper rolling and drawing	32.5	29.7	28.2	28.4	-	24.8	22.0	21.2	21.3	-
3353	Aluminum sheet, plate, and foil	37.0	36.9	36.9	36.7	-	28.3	28.1	28.2	28.3	-
3357	Nonferrous wire drawing and insulating	90.8	85.3	88.0	89.0	-	66.4	60.5	63.1	53.7	-
336	Nonferrous foundries	95.6	89.4	89.3	90.4	-	77.3	71.3	72.2	73.3	-
3361	Aluminum foundries	56.0	52.0	51.9	52.5	-	46.2	42.2	42.9	43.6	-
34	FABRICATED METAL PRODUCTS	1,671.4	1,619.8	1,603.9	1,611.9	1,610.2	1,246.5	1,196.5	1,186.6	1,193.5	1,191.8
341	Metal cans and shipping containers	78.5	77.3	73.9	74.4	-	66.3	65.2	62.3	63.1	-
3411	Metal cans	64.1	62.9	59.6	60.1	-	54.4	53.3	50.8	51.6	-
342	Cutlery, hand tools, and hardware	174.9	166.5	171.8	173.6	-	133.9	125.6	132.1	133.6	-
3423.5	Hand and edge tools, and hand saws and blades	62.2	59.1	59.3	59.5	-	48.4	45.3	45.5	45.6	-
3429	Hardware, nec	97.1	92.1	98.0	99.7	-	74.0	68.9	75.2	76.8	-
343	Plumbing and heating, except electric	74.0	68.3	66.7	66.3	-	53.8	48.1	48.2	48.0	-
3432	Plumbing fittings and brass goods	27.5	25.6	25.5	25.9	-	22.4	20.4	20.5	20.9	-
3433	Heating equipment, except electric	35.4	32.0	29.8	29.0	-	23.8	20.4	19.7	19.2	-
344	Fabricated structural metal products	519.0	511.3	506.2	506.8	-	359.4	352.0	345.3	345.2	-
3441	Fabricated structural metal	108.2	107.6	101.6	100.6	-	77.9	77.8	73.1	71.8	-
3442	Metal doors, sash, and trim	81.2	76.8	80.6	81.0	-	59.0	54.9	58.1	58.5	-
3443	Fabricated plate work (boiler shops)	148.6	149.0	148.2	147.7	-	93.6	93.7	90.1	89.3	-
3444	Sheet metal work	111.3	109.1	107.8	108.9	-	81.2	79.2	78.2	79.1	-
3446	Architectural metal work	32.3	32.0	33.2	33.1	-	23.2	22.6	23.4	23.5	-
345	Screw machine products, bolts, etc.	114.9	111.4	105.2	104.9	-	90.0	86.4	81.1	80.7	-
3451	Screw machine products	54.0	52.6	50.3	50.3	-	44.5	42.9	40.8	40.9	-
3452	Bolts, nuts, rivets, and washers	60.9	58.8	54.9	54.6	-	45.5	43.5	40.3	39.8	-
346	Metal forgings and stampings	275.4	260.7	258.9	262.2	-	217.6	203.4	204.7	207.7	-
3462	Iron and steel forgings	55.3	51.8	51.1	51.2	-	43.2	39.8	39.7	39.9	-
3465	Automotive stampings	90.0	84.0	85.5	87.8	-	72.6	66.8	70.6	72.8	-
3469	Metal stampings, nec	118.6	113.4	111.1	112.0	-	92.8	87.8	85.7	85.3	-
347	Metal services, nec	111.1	108.2	109.8	111.2	-	90.2	87.0	88.2	89.5	-
3471	Plating and polishing	74.0	72.3	72.9	73.6	-	60.5	58.7	59.4	60.2	-
3479	Metal coating and allied services	37.1	35.9	36.9	37.6	-	29.7	28.3	28.8	29.3	-
348	Ordnance and accessories, nec	61.8	61.5	59.1	59.4	-	41.6	41.1	38.8	39.0	-
3483	Ammunition, exc. for small arms, nec	27.6	27.3	27.7	27.7	-	18.7	18.5	18.5	18.4	-
349	Misc. fabricated metal products	261.8	254.6	252.3	253.1	-	193.7	187.7	185.9	185.7	-
3494	Valves and pipe fittings	107.0	104.6	103.2	104.1	-	73.8	72.1	70.8	71.6	-
3496	Misc. fabricated wire products	55.3	53.5	53.7	53.5	-	43.7	41.9	41.9	41.8	-
35	MACHINERY, EXCEPT ELECTRICAL	2,523.5	2,509.3	2,504.0	2,504.3	2,505.5	1,638.6	1,620.4	1,599.2	1,598.6	1,599.7
351	Engines and turbines	137.7	138.7	130.4	129.3	-	90.1	89.9	84.6	83.4	-
3511	Turbines and turbine generator sets	39.5	39.7	39.3	39.1	-	20.2	20.4	21.1	20.8	-
3519	Internal combustion engines, nec	98.2	99.0	91.1	90.2	-	69.9	69.5	63.5	62.6	-
352	Farm and garden machinery	170.6	175.9	176.8	174.9	-	117.5	122.7	123.7	122.2	-
3523	Farm machinery and equipment	148.5	155.9	154.8	153.8	-	102.0	109.3	107.6	105.9	-
353	Construction and related machinery	400.5	397.3	399.4	401.2	-	264.3	261.3	262.9	264.3	-
3531	Construction machinery	162.8	159.9	151.7	152.6	-	109.8	107.6	101.7	102.0	-

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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
	MACHINERY, EXCEPT ELECTRICAL—Continued										
3532	Mining machinery.....	35.3	34.9	35.3	34.9	-	22.1	21.6	22.0	21.8	-
3533	Oil field machinery.....	93.0	94.6	107.1	108.9	-	63.8	64.9	74.1	75.8	-
3535	Conveyers and conveying equipment.....	33.2	33.5	32.0	31.7	-	18.8	19.0	18.2	17.9	-
3537	Industrial trucks and tractors.....	40.2	38.6	38.3	37.8	-	27.2	25.8	25.5	25.3	-
354	Metalworking machinery.....	380.6	375.8	360.6	359.7	-	280.7	275.6	261.8	260.8	-
3541	Machine tools, metal cutting types.....	81.0	81.4	78.6	78.4	-	54.6	54.9	51.5	51.2	-
3542	Machine tools, metal forming types.....	28.2	27.7	26.6	26.3	-	16.5	18.1	16.8	16.6	-
3544	Special dies, tools, jigs, and fixtures.....	136.2	134.3	131.9	132.5	-	109.4	107.3	105.5	105.0	-
3545	Machine tool accessories.....	72.9	72.2	69.0	69.1	-	52.5	51.8	48.7	48.7	-
3546	Power driven hand tools.....	36.7	34.9	32.6	31.3	-	28.6	26.7	25.1	24.0	-
355	Special industry machinery.....	211.5	209.7	206.0	205.7	-	135.9	134.3	130.5	129.9	-
3551	Food products machinery.....	47.8	47.8	46.2	45.7	-	30.7	30.7	29.6	29.2	-
3552	Textile machinery.....	28.2	27.6	25.8	25.6	-	20.1	19.6	18.1	17.8	-
3555	Printing trades machinery.....	39.6	39.6	42.0	42.3	-	24.6	24.5	26.0	26.2	-
356	General industrial machinery.....	329.9	324.7	319.0	319.2	-	216.9	211.4	206.5	207.0	-
3561	Pumps and pumping equipment.....	63.3	62.5	61.4	61.7	-	37.9	37.1	35.6	35.9	-
3562	Ball and roller bearings.....	59.6	58.1	58.9	59.2	-	46.9	45.0	45.8	46.0	-
3563	Air and gas compressors.....	31.5	31.2	30.4	30.3	-	18.7	18.4	18.2	18.0	-
3564	Blowers and fans.....	43.0	42.1	41.7	41.6	-	26.1	25.6	26.0	26.0	-
3566	Speed changers, drives, and gears.....	26.8	26.6	26.1	26.3	-	18.6	18.1	17.2	17.5	-
3568	Power transmission equipment, nec.....	24.3	23.9	21.8	22.1	-	17.4	16.9	15.3	15.6	-
357	Office and computing machines.....	423.8	427.4	446.0	447.3	-	185.0	185.5	184.1	184.9	-
3573	Electronic computing equipment.....	346.5	349.0	367.7	369.1	-	140.3	141.0	142.1	142.4	-
358	Refrigeration and service machinery.....	179.1	173.3	176.8	176.5	-	124.4	119.1	122.7	123.1	-
3585	Refrigeration and heating equipment.....	120.6	115.6	120.0	119.8	-	84.1	79.7	84.2	84.7	-
359	Misc. machinery, except electrical.....	289.8	286.5	289.0	290.5	-	223.8	220.6	222.4	223.0	-
3592	Carburetors, pistons, rings, valves.....	41.7	40.7	41.1	42.0	-	33.2	32.3	33.6	34.4	-
3599	Machinery, except electrical, nec.....	248.1	245.8	247.9	248.5	-	190.6	188.3	188.8	183.6	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	2,156.2	2,120.2	2,146.0	2,158.9	2,165.5	1,392.7	1,353.6	1,356.8	1,365.7	1,376.4
361	Electric distributing equipment.....	122.7	121.3	117.5	118.2	-	86.2	84.5	83.1	83.9	-
3612	Transformers.....	54.7	53.9	51.0	51.3	-	38.4	37.8	36.1	36.2	-
3613	Switchgear and switchboard apparatus.....	68.0	67.4	66.5	66.9	-	47.8	46.7	47.0	47.7	-
362	Electrical industrial apparatus.....	249.9	243.3	237.4	239.0	-	179.0	171.9	169.1	170.7	-
3621	Motors and generators.....	128.4	122.4	120.9	122.1	-	97.5	91.5	93.0	94.0	-
3622	Industrial controls.....	71.8	71.7	68.3	68.4	-	45.6	45.2	42.3	42.4	-
363	Household appliances.....	172.9	166.2	176.2	176.2	-	137.1	131.2	141.6	141.2	-
3632	Household refrigerators and freezers.....	36.0	34.3	42.8	42.7	-	29.2	27.4	35.6	35.2	-
3633	Household laundry equipment.....	21.5	20.0	22.3	22.6	-	16.7	15.2	17.6	17.9	-
3634	Electric housewares and fans.....	53.1	52.1	51.0	50.6	-	43.0	42.6	41.1	40.8	-
364	Electric lighting and wiring equipment.....	222.8	215.2	211.3	212.9	-	157.2	159.9	156.9	158.2	-
3641	Electric lamps.....	36.6	36.0	33.9	33.2	-	32.3	31.7	29.9	29.3	-
3643	Current-carrying wiring devices.....	95.3	93.8	91.6	93.0	-	67.0	65.5	63.1	64.1	-
3644	Noncurrent-carrying wiring devices.....	25.2	23.9	24.7	24.9	-	18.3	17.1	17.9	18.1	-
3645	Residential lighting fixtures.....	25.1	23.1	24.0	24.4	-	19.2	17.3	18.3	18.7	-
365	Radio and TV receiving equipment.....	109.4	104.6	107.0	107.0	-	79.6	75.3	76.1	75.0	-
3651	Radio and TV receiving sets.....	85.4	81.7	84.6	83.9	-	60.2	56.9	58.6	57.9	-
366	Communication equipment.....	551.3	550.3	555.4	556.3	-	277.8	274.6	271.6	272.1	-
3661	Telephone and telegraph apparatus.....	178.4	176.7	167.2	166.9	-	125.0	121.9	111.5	111.4	-
3662	Radio and TV communication equipment.....	372.9	373.6	388.2	389.4	-	152.8	152.7	160.1	160.7	-
367	Electronic components and accessories.....	560.5	558.3	565.4	572.1	-	345.6	341.8	331.2	335.0	-
3671-3	Electronic tubes.....	45.2	45.4	46.5	46.7	-	28.5	28.6	28.8	28.9	-
3674	Semiconductors and related devices.....	218.7	219.9	229.1	233.2	-	100.3	100.5	95.5	97.5	-
3679	Electronic components, nec.....	217.8	215.2	217.3	218.9	-	153.7	150.9	151.2	152.3	-
369	Misc. electrical equipment and supplies.....	166.7	161.0	175.8	177.2	-	120.2	114.4	127.2	128.6	-
3691	Storage batteries.....	31.1	29.4	33.2	33.2	-	24.1	22.5	25.5	25.7	-
3694	Engine electrical equipment.....	76.2	73.0	83.1	83.8	-	57.2	54.0	63.5	64.3	-
37	TRANSPORTATION EQUIPMENT	1,891.1	1,835.1	1,876.9	1,887.1	1,882.5	1,227.2	1,175.9	1,215.5	1,230.0	1,225.2
371	Motor vehicles and equipment.....	778.8	730.5	745.4	760.3	-	552.7	519.8	557.9	573.6	-
3711	Motor vehicles and car bodies.....	346.9	325.4	325.2	332.5	-	232.0	212.9	230.9	238.4	-
3713	Truck and bus bodies.....	40.3	37.4	33.2	33.5	-	31.2	28.7	24.6	25.2	-
3714	Motor vehicle parts and accessories.....	357.5	336.2	354.5	361.1	-	274.1	255.1	277.9	284.8	-
3715,6	Truck trailers and motor homes.....	34.1	31.5	32.5	33.2	-	25.4	23.1	24.5	25.2	-
372	Aircraft and parts.....	649.0	651.2	665.4	657.4	-	355.7	356.6	356.7	354.5	-
3721	Aircraft.....	349.6	350.0	364.2	358.4	-	174.3	174.2	177.4	177.7	-
3724	Aircraft engines and engine parts.....	161.0	162.0	163.4	161.5	-	92.8	93.5	93.5	91.7	-
3728	Aircraft equipment, nec.....	138.4	139.2	137.8	137.5	-	88.6	88.9	85.8	85.1	-
373	Ship and boat building and repairing.....	215.9	210.2	222.7	223.6	-	171.7	166.9	177.1	177.2	-
3731	Ship building and repairing.....	171.9	169.4	175.3	174.9	-	135.7	133.7	137.5	136.6	-
3732	Boat building and repairing.....	44.0	40.8	47.4	48.7	-	36.0	33.2	39.6	40.6	-
374	Railroad equipment.....	73.1	72.6	52.1	51.7	-	55.9	55.3	36.8	36.0	-
376	Guided missiles, space vehicles, parts.....	109.7	110.5	118.5	119.2	-	35.5	35.7	35.8	35.6	-
3761	Guided missiles and space vehicles.....	86.9	87.6	94.9	95.4	-	26.4	26.7	27.0	26.9	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
TRANSPORTATION EQUIPMENT—Continued											
379	Miscellaneous transportation equipment	43.1	39.9	51.0	52.6	-	28.2	25.2	35.2	36.6	-
3792	Travel trailers and campers	21.5	19.1	30.0	31.1	-	14.8	12.9	23.4	24.3	-
38	INSTRUMENTS AND RELATED PRODUCTS	702.2	699.4	699.5	702.1	702.9	422.6	419.3	413.4	415.6	418.3
381	Engineering and scientific instruments	77.3	77.2	79.7	79.6	-	38.1	37.8	38.8	39.5	-
382	Measuring and controlling devices	239.6	237.7	236.7	239.4	-	151.1	149.4	147.6	150.1	-
3822	Environmental controls	47.6	45.8	45.7	45.9	-	33.0	31.9	31.4	31.7	-
3823	Process control instruments	52.4	52.6	54.6	54.9	-	27.3	27.8	28.8	23.8	-
3825	Instruments to measure electricity	98.4	98.4	99.4	99.3	-	60.8	60.3	61.8	61.7	-
383	Optical instruments and lenses	34.8	35.1	35.4	35.4	-	19.2	19.3	18.9	19.9	-
384	Medical instruments and supplies	146.2	146.5	148.5	148.0	-	96.0	95.5	94.7	93.9	-
3841	Surgical and medical instruments	63.9	64.2	65.2	65.4	-	42.1	42.1	40.6	40.1	-
3842	Surgical appliances and supplies	65.6	65.6	66.5	66.1	-	43.3	42.8	43.6	43.4	-
385	Ophthalmic goods	47.8	47.3	45.7	45.9	-	34.7	34.0	32.2	32.3	-
386	Photographic equipment and supplies	132.0	132.7	133.3	133.8	-	65.1	66.0	66.4	67.2	-
387	Watches, clocks, and watchcases	24.5	22.9	20.2	20.0	-	18.4	17.3	14.8	14.6	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	433.0	424.6	409.7	413.6	415.0	328.0	320.3	303.4	307.1	307.8
391	Jewelry, silverware, and plated ware	56.1	55.2	55.4	56.1	-	39.4	39.3	39.4	40.1	-
3911	Jewelry, precious metal	36.2	35.1	35.2	35.9	-	25.4	24.7	24.6	25.1	-
393	Musical instruments	22.2	20.2	21.3	21.3	-	18.1	16.3	17.2	17.3	-
394	Toys and sporting goods	119.5	118.2	109.6	111.9	-	91.5	89.7	81.6	83.9	-
3942, 4	Dolls, games, toys, and children's vehicles	55.0	57.1	52.7	54.3	-	40.6	42.5	37.9	33.4	-
3949	Sporting and athletic goods, nec	64.5	61.1	56.9	57.6	-	50.9	47.2	43.7	44.5	-
395	Pens, pencils, office and art supplies	40.8	40.5	40.3	40.6	-	29.0	28.7	28.5	28.7	-
396	Costume jewelry and notions	54.8	53.5	49.0	49.4	-	43.8	42.6	38.0	33.2	-
3961	Costume jewelry	28.6	27.4	25.8	25.8	-	22.4	21.4	19.7	19.6	-
399	Miscellaneous manufactures	139.6	137.0	134.1	134.3	-	106.2	103.7	98.7	98.9	-
3993	Signs and advertising displays	46.6	46.2	46.5	46.3	-	33.8	33.4	33.8	33.5	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	1,626.2	1,638.5	1,609.7	1,605.4	1,616.2	1,096.6	1,107.4	1,085.3	1,080.8	1,090.3
201	Meat products	356.3	359.7	351.7	350.8	-	295.6	299.4	292.5	292.1	-
2011	Meat packing plants	161.0	161.3	158.3	157.9	-	131.1	131.7	129.7	129.5	-
2013	Sausages and other prepared meats	67.2	68.3	66.8	67.1	-	49.0	50.0	49.2	49.8	-
2016	Poultry dressing plants	112.3	114.8	112.2	111.6	-	101.8	104.6	101.3	100.6	-
202	Dairy products	176.3	178.0	173.3	174.2	-	95.0	96.5	94.0	94.6	-
2022	Cheese, natural and processed	32.5	32.8	33.1	33.4	-	25.0	25.2	25.5	25.7	-
2026	Fluid milk	107.8	108.4	105.3	105.4	-	47.6	47.8	47.1	47.3	-
203	Preserved fruits and vegetables	198.7	201.8	191.7	186.2	-	158.9	161.2	152.6	147.3	-
2032	Canned specialties	23.4	22.4	23.5	22.6	-	16.9	16.1	17.0	16.1	-
2033	Canned fruits and vegetables	70.6	72.1	67.3	64.4	-	56.3	56.7	52.7	49.4	-
2037	Frozen fruits and vegetables	38.8	40.5	36.6	36.6	-	33.1	34.9	31.3	31.5	-
204	Grain mill products	139.6	139.2	138.2	136.3	-	95.3	95.1	95.5	93.7	-
2041	Flour and other grain mill products	24.5	24.4	25.2	24.9	-	15.1	15.0	15.7	15.7	-
2048	Prepared feeds, nec	57.3	57.1	56.4	55.5	-	36.8	36.7	36.9	35.9	-
205	Bakery products	229.8	230.8	225.6	226.0	-	133.7	134.1	130.2	130.1	-
2051	Bread, cake, and related products	185.5	187.1	182.3	183.2	-	99.2	100.3	96.2	95.4	-
2052	Cookies and crackers	44.3	43.7	43.3	42.8	-	34.5	33.8	34.0	33.7	-
206	Sugar and confectionery products	93.5	93.4	96.2	95.2	-	68.2	68.0	71.5	70.3	-
2061-3	Cane and beet sugar	21.4	23.2	24.2	23.9	-	14.4	15.8	16.9	15.7	-
2065	Confectionery products	52.3	51.1	51.6	51.1	-	40.3	39.2	40.9	40.1	-
207	Fats and oils	43.2	42.9	41.8	41.4	-	31.4	31.2	30.9	30.5	-
208	Beverages	231.7	233.6	232.2	233.3	-	103.2	104.3	101.4	102.8	-
2082	Malt beverages	50.9	51.5	51.7	52.5	-	33.2	33.9	33.7	34.8	-
2086	Bottled and canned soft drinks	140.4	142.1	140.4	140.8	-	47.3	48.1	46.0	46.5	-
209	Misc. foods and kindred products	157.1	159.1	159.0	162.0	-	115.3	117.6	116.7	119.4	-
21	TOBACCO MANUFACTURES	62.9	62.7	67.9	65.6	64.3	47.9	47.8	52.1	49.7	49.1
211	Cigarettes	44.3	44.0	46.0	45.6	-	33.8	33.4	34.8	34.4	-
22	TEXTILE MILL PRODUCTS	882.1	870.6	853.0	855.2	853.5	769.4	757.4	740.2	742.3	741.4
221	Weaving mills, cotton	152.8	152.6	145.2	144.9	-	137.7	137.2	129.7	129.4	-
222	Weaving mills, synthetics	120.6	119.8	118.5	117.7	-	108.3	107.6	106.2	105.6	-
223	Weaving and finishing mills, wool	19.9	19.2	18.6	18.8	-	16.5	15.7	15.3	15.5	-
224	Narrow fabric mills	25.0	24.2	25.1	25.3	-	22.1	21.1	21.9	22.4	-
225	Knitting mills	232.6	231.9	225.6	228.3	-	202.4	201.5	195.1	197.6	-
2251	Women's hosiery, except socks	31.4	31.3	29.1	29.2	-	28.4	28.3	26.1	26.1	-
2252	Hosiery, nec	33.7	33.4	34.0	34.3	-	30.8	30.4	30.9	31.2	-
2253	Knit outerwear mills	75.8	76.3	75.2	77.3	-	65.3	65.6	63.9	65.8	-
2254	Knit underwear mills	31.8	32.0	32.3	32.2	-	27.4	27.6	28.0	27.9	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers ¹				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
	TEXTILE MILL PRODUCTS—Continued										
2257	Circular knit fabric mills	33.6	32.6	30.7	30.9	-	28.5	27.6	26.0	26.3	-
226	Textile finishing, except wool	76.7	75.7	72.5	72.3	-	64.7	63.6	60.9	60.4	-
2261	Finishing plants, cotton	30.0	30.0	27.6	27.3	-	25.0	25.1	22.9	22.5	-
2282	Finishing plants, synthetics	30.2	29.5	30.0	30.2	-	25.5	24.8	25.3	25.4	-
227	Floor covering mills	55.2	53.1	51.8	51.7	-	44.8	43.1	41.7	41.7	-
228	Yarn and thread mills	133.8	131.2	130.9	131.1	-	121.1	118.5	118.2	113.3	-
2281	Yarn mills, except wool	88.4	87.2	88.1	88.3	-	81.5	80.2	80.9	80.9	-
2282	Throwing and winding mills	25.4	23.9	23.6	23.5	-	22.3	20.9	20.8	20.8	-
229	Miscellaneous textile goods	65.5	62.9	64.8	65.1	-	51.8	49.1	51.2	51.4	-
23	APPAREL AND OTHER TEXTILE PRODUCTS **	1,304.2	1,299.0	1,299.8	1,304.8	1,316.8	1,114.8	1,109.2	1,109.8	1,111.2	1,121.9
231	Men's and boys' suits and coats	77.5	80.2	77.4	78.0	-	67.0	70.1	67.9	68.4	-
232	Men's and boys' furnishings	377.1	378.6	357.8	363.6	-	323.2	324.0	305.2	310.5	-
2321	Men's and boys' shirts and nightwear	103.5	104.4	99.4	100.7	-	89.9	90.5	85.1	86.3	-
2327	Men's and boys' separate trousers	79.9	80.2	76.6	77.2	-	70.0	70.0	66.9	67.5	-
2328	Men's and boys' work clothing	109.3	109.8	102.9	106.0	-	91.2	91.5	86.0	88.6	-
233	Women's and misses' outerwear	441.0	435.6	449.5	447.1	-	381.7	376.6	386.8	382.9	-
2331	Women's and misses' blouses and waists	62.8	62.6	64.3	64.2	-	54.7	54.6	56.3	56.2	-
2335	Women's and misses' dresses	159.4	151.8	159.4	157.2	-	141.5	134.6	141.3	138.1	-
2337	Women's and misses' suits and coats	61.1	64.8	60.0	58.5	-	52.6	56.3	51.3	49.5	-
2339	Women's and misses' outerwear, nec.	157.7	156.4	165.8	167.2	-	132.9	131.1	137.9	139.1	-
234	Women's and children's undergarments	90.5	90.2	87.9	88.7	-	77.0	76.7	75.0	75.7	-
2341	Women's and children's underwear	72.4	72.3	70.2	71.1	-	62.7	62.6	61.1	61.9	-
2342	Brassieres and allied garments	18.1	17.9	17.7	17.6	-	14.3	14.1	13.9	13.8	-
236	Children's outerwear	63.5	63.9	63.2	62.5	-	54.5	55.0	53.8	52.8	-
2361	Children's dresses and blouses	25.0	25.1	25.4	24.7	-	22.6	22.7	22.9	22.1	-
238	Misc. apparel and accessories	57.0	57.0	56.9	57.3	-	49.0	48.4	48.6	48.8	-
239	Misc. fabricated textile products **	178.0	173.4	187.7	187.6	-	145.5	141.0	155.6	155.0	-
2391	Curtains and draperies	28.9	28.5	27.8	28.2	-	24.5	24.0	23.1	23.5	-
2392	House furnishings, nec.	52.0	50.7	50.8	50.6	-	42.9	41.5	41.8	41.8	-
2396	Automotive and apparel trimmings **	27.1	25.6	38.4	38.1	-	21.3	19.8	33.2	32.4	-
26	PAPER AND ALLIED PRODUCTS	698.8	692.4	688.5	690.7	689.1	528.5	522.4	518.5	519.9	519.9
261, 262, 263	Paper and pulp mills	204.3	203.4	204.4	205.2	-	153.0	152.0	153.6	154.1	-
262	Paper mills, except building paper	176.7	176.3	177.1	177.8	-	131.1	130.6	131.8	132.4	-
263	Paperboard mills	64.5	64.3	63.5	63.4	-	50.5	50.5	49.6	49.7	-
264	Misc. converted paper products	218.9	216.0	215.2	215.9	-	162.9	160.2	158.4	153.9	-
2641	Paper coating and glazing	57.6	56.5	56.8	57.1	-	37.5	36.9	36.3	36.5	-
2642	Envelopes	25.4	25.2	25.7	25.5	-	20.0	19.9	20.1	20.0	-
2643	Bags, except textile bags	50.3	49.3	49.7	49.6	-	39.3	38.3	38.9	38.8	-
265	Paperboard containers and boxes	211.1	208.7	205.4	206.2	-	162.1	159.7	156.9	157.2	-
2651	Folding paperboard boxes	44.5	44.2	43.6	44.3	-	35.2	34.9	34.0	34.5	-
2653	Corrugated and solid fiber boxes	108.6	106.7	105.5	105.4	-	80.0	78.1	77.5	77.1	-
2654	Sanitary food containers	26.7	26.7	26.4	26.5	-	21.9	21.9	21.6	21.7	-
27	PRINTING AND PUBLISHING	1,270.4	1,267.8	1,291.4	1,292.5	1,290.2	716.8	711.4	723.3	723.4	723.0
271	Newspapers	430.9	431.1	436.4	436.3	-	169.3	168.5	168.2	167.4	-
272	Periodicals	81.8	81.9	85.2	84.4	-	14.8	15.1	16.6	16.5	-
273	Books	107.8	106.9	107.4	108.2	-	57.3	56.4	57.6	57.9	-
2731	Book publishing	74.0	73.7	73.8	74.3	-	28.8	28.7	29.5	29.5	-
2732	Book printing	33.8	33.2	33.6	33.9	-	28.5	27.7	28.1	28.4	-
274	Miscellaneous publishing	46.1	47.5	49.2	49.2	-	26.3	26.2	26.6	26.0	-
275	Commercial printing	424.0	421.3	435.6	436.6	-	315.1	311.9	323.3	323.9	-
2751	Commercial printing, letterpress	168.6	166.9	172.0	172.6	-	125.0	122.9	127.5	128.0	-
2752	Commercial printing, lithographic	231.2	230.6	238.9	239.1	-	170.3	169.5	175.5	175.3	-
276	Manifold business forms	47.7	47.2	46.3	46.2	-	33.6	33.3	32.8	32.7	-
278	Blankbooks and bookbinding	64.3	63.7	63.5	63.8	-	52.8	52.1	51.5	52.2	-
279	Printing trade services	45.0	45.0	45.9	45.9	-	33.5	33.4	33.8	34.0	-
28	CHEMICALS AND ALLIED PRODUCTS	1,120.6	1,119.5	1,113.2	1,114.8	1,116.0	636.7	633.5	629.3	632.0	638.7
281	Industrial inorganic chemicals	166.1	166.9	167.0	167.2	-	90.5	90.5	90.7	90.9	-
2819	Industrial inorganic chemicals, nec.	108.8	109.2	109.5	109.6	-	60.6	60.3	59.8	59.9	-
282	Plastics materials and synthetics	209.4	207.4	198.7	198.5	-	140.7	138.7	130.5	130.7	-
2821	Plastics materials and resins	86.4	85.9	82.9	83.0	-	52.1	51.7	48.1	48.4	-
2824	Organic fibers, noncellulosic	94.8	93.5	89.6	89.5	-	68.2	66.8	63.2	63.0	-
283	Drugs	198.5	199.5	202.0	202.7	-	98.5	98.7	100.4	100.8	-
2834	Pharmaceutical preparations	158.4	158.6	161.3	161.7	-	76.1	75.9	78.7	79.0	-
284	Soap, cleaners, and toilet goods	137.1	136.4	139.7	137.9	-	82.8	82.5	87.1	86.5	-
2841	Soap and other detergents	40.8	40.8	40.0	38.9	-	26.3	26.2	26.1	25.4	-
2844	Toilet preparations	56.6	56.2	59.8	59.5	-	34.7	34.8	39.5	39.7	-
2842, 3	Polishing, sanitation, and finishing preparations	39.7	39.4	39.9	39.5	-	21.8	21.5	21.5	21.4	-
285	Paints and allied products	67.2	66.8	66.2	66.6	-	34.6	34.1	32.6	32.8	-
286	Industrial organic chemicals	173.7	172.9	170.9	171.5	-	88.4	87.6	86.6	87.6	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers ¹				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
2885	Cyclic crudes and intermediates	38.1	37.1	36.2	36.7	-	23.5	22.4	21.9	22.4	-
2861,9	Gum, wood, and industrial organic chemicals, nec	135.6	135.8	134.7	134.8	-	64.9	65.2	64.7	65.2	-
287	Agricultural chemicals	74.1	75.1	72.8	74.5	-	47.5	48.4	46.0	47.4	-
289	Miscellaneous chemical products	94.5	94.5	95.9	95.9	-	53.7	53.0	55.4	55.3	-
	PETROLEUM AND COAL PRODUCTS	173.6	203.4	208.1	210.3	211.8	107.7	131.1	131.4	132.8	136.5
291	Petroleum refining	130.3	160.5	168.5	168.8	-	76.1	100.0	103.1	102.9	-
295	Paving and roofing materials	30.3	30.1	26.8	28.5	-	23.3	22.9	20.1	21.5	-
	RUBBER AND MISC. PLASTICS PRODUCTS	737.2	702.4	714.1	719.6	724.0	570.3	537.6	552.5	557.2	561.6
301	Tires and inner tubes	107.4	102.3	101.1	100.7	-	75.4	70.5	71.6	71.2	-
302	Rubber and plastics footwear	23.0	22.3	20.9	21.1	-	20.4	19.7	18.5	18.7	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting	22.7	21.1	21.3	21.7	-	16.0	14.8	14.8	15.3	-
306	Fabricated rubber products, nec	109.8	105.1	105.9	106.8	-	84.9	80.6	82.1	83.0	-
307	Miscellaneous plastics products	474.3	451.6	464.9	469.3	-	373.6	352.0	365.5	369.0	-
	LEATHER AND LEATHER PRODUCTS	243.3	243.2	240.9	242.7	246.6	205.3	205.4	203.3	205.3	209.6
311	Leather tanning and finishing	18.9	19.1	19.6	20.0	-	15.6	15.8	16.4	16.8	-
314	Footwear, except rubber	154.1	156.0	152.7	153.6	-	131.4	133.5	130.4	131.5	-
3143	Men's footwear, except athletic	57.7	58.2	60.3	60.8	-	49.8	50.3	51.4	52.0	-
3144	Women's footwear, except athletic	62.6	63.7	57.0	57.1	-	52.4	53.8	48.6	48.7	-
316	Luggage	14.9	14.1	14.0	14.0	-	11.3	10.5	10.6	10.7	-
317	Handbags and personal leather goods	31.0	30.1	30.1	30.3	-	26.5	25.6	25.3	25.4	-
	TRANSPORTATION AND PUBLIC UTILITIES	5,147	5,167	5,107	5,131	5,163	4,299	4,318	4,238	4,260	4,288
	RAILROAD TRANSPORTATION	539.4	544.7	509.0	515.2	-	-	-	-	-	-
4011	Class I railroads ²	486.6	491.8	459.6	465.2	-	-	-	-	-	-
	LOCAL AND INTERURBAN PASSENGER TRANSIT	275.6	284.1	283.6	282.0	-	254.3	263.1	262.9	261.1	-
411	Local and suburban transportation	79.2	80.9	85.8	86.2	-	72.2	73.8	78.6	78.9	-
412	Taxicabs	59.3	59.0	57.3	55.8	-	-	-	-	-	-
413	Intercity highway transportation	39.4	40.5	40.7	41.3	-	36.4	37.5	37.3	37.8	-
415	School buses	83.0	88.0	86.0	84.6	-	-	-	-	-	-
	TRUCKING AND WAREHOUSING	1,285.4	1,269.6	1,228.7	1,233.4	-	1,126.0	1,112.1	1,069.6	1,073.7	-
421,3	Trucking and trucking terminals	1,196.3	1,181.6	1,146.5	1,152.8	-	1,050.1	1,037.4	1,000.7	1,006.3	-
422	Public warehousing	89.1	88.0	82.2	80.6	-	75.9	74.7	68.9	67.4	-
	WATER TRANSPORTATION	212.3	217.4	200.4	208.9	-	-	-	-	-	-
	TRANSPORTATION BY AIR	452.9	455.1	452.6	454.7	-	-	-	-	-	-
451,2	Air transportation	404.1	405.9	403.5	404.9	-	-	-	-	-	-
	PIPE LINES, EXCEPT NATURAL GAS	19.4	19.7	19.5	19.5	-	13.8	14.0	13.7	13.7	-
	TRANSPORTATION SERVICES	193.4	194.3	196.8	195.9	-	-	-	-	-	-
	COMMUNICATION	1,346.0	1,351.4	1,357.9	1,360.2	-	1,005.2	1,008.6	1,014.1	1,016.3	-
481	Telephone communication	1,072.4	1,076.3	1,072.7	1,073.7	-	750.5	783.3	781.9	783.1	-
483	Radio and television broadcasting	199.5	200.3	204.3	205.3	-	160.2	160.3	164.2	165.1	-
	ELECTRIC, GAS, AND SANITARY SERVICES	822.4	830.7	858.0	861.5	-	673.3	680.2	699.7	702.4	-
491	Electric services	386.7	390.6	405.7	407.1	-	312.2	315.6	329.0	330.2	-
492	Gas production and distribution	165.9	168.5	172.4	173.2	-	135.4	137.6	140.4	140.6	-
493	Combination utility services	197.2	198.2	205.9	206.6	-	162.9	163.7	166.7	167.3	-
495	Sanitary services	49.8	50.5	51.1	51.4	-	43.9	44.4	44.7	45.1	-
	WHOLESALE AND RETAIL TRADE	20,373	20,497	20,480	20,710	20,899	17,870	17,985	17,876	18,098	18,269
	WHOLESALE TRADE	5,265	5,263	5,294	5,317	5,337	4,312	4,304	4,306	4,323	4,338
	WHOLESALE TRADE - DURABLE GOODS	3,143	3,130	3,148	3,170	-	2,575	2,559	2,560	2,576	-
501	Motor vehicles and automotive equipment	429.8	425.1	422.2	423.9	-	348.1	343.9	339.4	340.8	-
502	Furniture and home furnishing	115.5	114.6	119.2	119.7	-	94.4	93.5	97.4	97.6	-
503	Lumber and construction materials	189.9	188.0	189.9	193.9	-	155.7	154.1	156.2	159.8	-
504	Sporting goods, toys, and hobby goods	71.9	72.3	76.2	76.6	-	59.0	59.2	60.9	61.3	-
505	Metals and minerals, except petroleum	155.6	153.1	154.5	155.0	-	126.4	124.2	124.0	124.6	-
506	Electrical goods	411.5	409.4	406.4	407.3	-	335.9	333.8	327.9	327.9	-
507	Hardware, plumbing, and heating equipment	244.9	243.3	244.1	245.3	-	201.7	199.8	199.8	200.9	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
	WHOLESALE TRADE-DURABLE GOODS—										
	Continued										
508	Machinery, equipment, and supplies	1,310.4	1,312.0	1,324.3	1,333.5	-	1,072.5	1,070.6	1,075.3	1,081.4	-
509	Miscellaneous durable goods	213.4	211.9	211.6	214.4	-	181.5	179.4	179.2	181.5	-
51	WHOLESALE TRADE-NONDURABLE GOODS ..	2,122	2,133	2,146	2,147	-	1,737	1,745	1,746	1,747	-
511	Paper and paper products	148.0	147.8	150.5	151.1	-	120.7	120.8	121.9	122.9	-
512	Drugs, proprietaries, and sundries	152.6	151.8	155.5	156.4	-	129.4	128.6	131.8	132.2	-
513	Apparel, piece goods, and notions	174.6	175.1	179.6	178.9	-	138.6	138.8	141.4	140.3	-
514	Groceries and related products	636.0	645.7	652.2	650.9	-	548.4	556.7	558.4	557.5	-
516	Chemicals and allied products	125.9	126.3	127.6	127.6	-	93.2	92.8	91.9	91.7	-
517	Petroleum and petroleum products	230.3	233.8	235.0	238.7	-	158.5	171.1	171.3	175.2	-
518	Beer, wine, and distilled beverages	133.9	134.8	137.2	138.5	-	112.6	113.4	114.4	115.7	-
519	Miscellaneous nondurable goods	390.8	391.4	384.7	386.5	-	319.4	319.8	313.5	315.3	-
52-59	RETAIL TRADE	15,108	15,234	15,186	15,393	15,562	13,558	13,681	13,570	13,775	13,931
52	BUILDING MATERIALS AND GARDEN										
	SUPPLIES	623.5	630.3	609.0	625.1	-	527.3	533.8	512.9	528.1	-
521	Lumber and other building materials	325.0	326.5	318.6	323.8	-	274.3	275.7	267.7	273.2	-
525	Hardware stores	153.8	154.9	152.5	153.7	-	131.5	133.2	129.9	130.9	-
53	GENERAL MERCHANDISE STORES	2,157.5	2,147.1	2,130.1	2,140.2	-	2,004.1	1,995.5	1,928.8	1,943.8	-
531	Department stores	1,757.1	1,741.1	1,737.0	1,738.2	-	1,644.7	1,630.2	1,578.5	1,584.4	-
533	Variety stores	263.3	267.6	258.7	265.6	-	242.9	247.3	236.2	243.5	-
539	Misc. general merchandise stores	137.1	138.4	134.4	136.4	-	116.5	118.0	114.1	115.9	-
54	FOOD STORES	2,351.8	2,375.5	2,431.6	2,439.2	-	2,170.8	2,194.5	2,252.5	2,260.5	-
541	Grocery stores	2,059.8	2,081.5	2,133.8	2,136.2	-	1,905.1	1,926.1	1,981.6	1,984.3	-
542	Meat markets and freezer provisioners	52.2	52.9	54.0	54.8	-	-	-	-	-	-
546	Retail bakeries	127.8	129.0	125.6	127.0	-	117.7	118.9	115.4	115.8	-
55	AUTOMOTIVE DEALERS AND SERVICE										
	STATIONS	1,756.5	1,740.5	1,714.1	1,723.4	-	1,490.7	1,474.9	1,450.9	1,460.3	-
551.2	New and used car dealers	826.9	807.6	788.1	789.0	-	680.6	662.4	646.7	648.5	-
553	Auto and home supply stores	264.9	266.0	267.8	273.7	-	230.0	230.6	230.5	236.2	-
554	Gasoline service stations	568.5	571.9	566.0	565.9	-	494.3	498.0	494.3	494.6	-
56	APPAREL AND ACCESSORY STORES	942.7	942.8	955.7	975.0	-	806.3	807.4	816.6	833.7	-
561	Men's and boys' clothing and furnishings	136.0	135.7	135.7	136.5	-	115.0	114.7	114.5	114.9	-
562	Women's ready-to-wear stores	351.8	352.5	355.5	360.0	-	303.3	305.3	308.1	310.9	-
565	Family clothing stores	178.1	178.6	185.5	188.2	-	154.9	155.2	161.7	164.2	-
566	Shoe stores	180.7	179.3	178.1	188.4	-	150.7	149.3	146.1	156.9	-
57	FURNITURE AND HOME FURNISHINGS										
	STORES	505.3	598.2	594.1	594.9	-	500.8	494.8	491.1	489.2	-
571	Furniture and home furnishings	374.4	370.1	369.0	369.5	-	312.0	308.3	306.1	305.3	-
572	Household appliance stores	81.6	80.9	80.6	80.3	-	70.2	69.6	68.8	63.5	-
573	Radio, television, and music stores	149.3	147.2	144.5	145.1	-	118.6	116.9	116.2	114.4	-
58	EATING AND DRINKING PLACES ..	4,779.1	4,898.5	4,826.3	4,962.1	-	4,398.0	4,511.5	4,440.2	4,574.5	-
59	MISCELLANEOUS RETAIL	1,391.5	1,901.3	1,925.3	1,933.3	-	1,660.4	1,668.8	1,676.7	1,684.4	-
591	Drug stores and proprietary stores	503.9	505.7	496.3	495.9	-	459.4	460.1	448.0	447.8	-
592	Liquor stores	129.5	131.3	129.3	130.1	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	579.0	582.9	618.9	616.0	-	494.2	497.6	524.9	523.2	-
596	Nonstore retailers	266.1	260.4	269.6	267.7	-	247.9	242.5	249.6	247.8	-
598	Fuel and ice dealers	105.6	104.1	109.0	104.8	-	88.4	87.1	91.5	87.6	-
599	Retail stores, nec.	249.2	258.4	245.9	260.4	-	210.6	219.5	205.8	218.1	-
	FINANCE, INSURANCE, AND REAL										
	ESTATE	5,104	5,137	5,252	5,281	5,307	3,861	3,893	3,954	3,984	4,005
60	BANKING	1,335.2	1,538.4	1,578.0	1,580.7	-	1,193.7	1,186.2	1,207.0	1,209.1	-
602	Commercial and stock savings banks	1,401.4	1,404.1	1,438.0	1,440.1	-	1,074.6	1,076.4	1,093.6	1,094.3	-
61	CREDIT AGENCIES OTHER THAN BANKS ..	558.4	554.7	568.5	569.1	-	423.1	419.4	428.6	428.4	-
612	Savings and loan associations	238.9	237.9	258.3	259.0	-	182.4	181.4	196.2	195.6	-
614	Personal credit institutions	212.1	210.2	203.3	203.5	-	150.1	158.1	153.0	152.8	-
62	SECURITY, COMMODITY BROKERS, AND										
	SERVICES	209.3	209.0	226.1	227.3	-	-	-	-	-	-
621	Security brokers and dealers	166.2	165.9	180.4	182.0	-	-	-	-	-	-
63	INSURANCE CARRIERS	1,233.2	1,232.0	1,251.6	1,251.0	-	861.9	861.8	869.5	871.5	-
631	Life insurance	535.4	535.2	544.0	543.5	-	323.8	325.5	337.4	338.0	-

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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
	INSURANCE CARRIERS—Continued										
632	Medical service and health insurance	139.7	139.8	142.7	143.0	-	111.7	111.8	114.1	114.0	-
633	Fire, marine, and casualty insurance	487.9	489.6	495.1	494.7	-	370.7	371.4	363.4	365.0	-
64	INSURANCE AGENTS, BROKERS, AND SERVICE	450.3	451.4	466.3	467.6	-	-	-	-	-	-
65	REAL ESTATE	975.7	1,008.8	1,010.7	1,032.7	-	-	-	-	-	-
651	Real estate operators and lessors	458.7	467.3	478.5	485.6	-	-	-	-	-	-
653	Real estate agents and managers	364.8	379.8	381.3	385.4	-	-	-	-	-	-
655	Subdividers and developers	130.0	140.5	129.0	139.6	-	-	-	-	-	-
66	COMBINED REAL ESTATE, INSURANCE, ETC.	23.3	23.1	23.5	23.4	-	-	-	-	-	-
67	HOLDING AND OTHER INVESTMENT OFFICES.	118.6	119.6	127.6	128.9	-	-	-	-	-	-
	SERVICES	17,636	17,747	18,103	18,293	18,458	15,696	15,799	16,088	16,277	15,413
70	HOTELS AND OTHER LODGING PLACES	1,059.8	1,091.0	995.7	1,027.6	-	-	-	-	-	-
701	Hotels, motels, and tourist courts	1,024.7	1,054.5	964.5	995.2	-	94.1	96.9	88.8	91.4	-
72	PERSONAL SERVICES	950.9	928.8	938.6	940.0	-	-	-	-	-	-
721	Laundry, cleaning, and garment services	353.8	354.5	350.7	352.3	-	315.9	316.8	313.0	314.4	-
723	Beauty shops	293.3	295.0	292.8	294.4	-	272.8	274.9	271.5	273.7	-
726	Funeral service and crematories	69.8	70.5	72.9	73.5	-	-	-	-	-	-
73	BUSINESS SERVICES	2,955.1	2,962.5	3,090.0	3,123.7	-	2,571.8	2,581.8	2,695.9	2,732.0	-
731	Advertising	147.3	148.2	149.5	149.4	-	111.5	112.3	114.1	114.2	-
732	Credit reporting and collection	72.7	71.5	69.0	69.3	-	-	-	-	-	-
733	Mailing, reproduction, stenographic	120.8	119.3	130.7	129.0	-	-	-	-	-	-
734	Services to buildings	508.4	508.3	514.1	521.2	-	460.7	460.7	465.0	471.5	-
736	Personnel supply services	506.8	504.0	529.9	546.1	-	-	-	-	-	-
737	Computer and data processing services	286.6	287.9	318.0	319.8	-	237.7	238.5	267.2	262.3	-
75	AUTO REPAIR, SERVICES, AND GARAGES	587.5	584.9	587.1	586.9	-	503.4	499.5	499.3	499.4	-
753	Automotive repair shops	356.9	355.3	356.8	360.0	-	303.5	301.2	302.1	304.7	-
76	MISCELLANEOUS REPAIR SERVICES	302.9	300.7	312.0	312.4	-	259.4	257.3	260.4	261.5	-
78	MOTION PICTURES	219.3	219.4	208.5	211.8	-	192.3	192.8	183.9	185.6	-
781	Motion picture production and services	81.1	75.7	77.1	72.1	-	67.2	62.6	64.7	60.0	-
783	Motion picture theaters	127.9	132.9	121.1	129.2	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	724.7	784.7	704.3	760.0	-	659.4	717.0	631.2	687.9	-
80	HEALTH SERVICES	5,150.1	5,176.9	5,404.2	5,419.4	-	4,592.8	4,613.4	4,824.6	4,845.4	-
801	Offices of physicians	746.8	748.8	775.9	779.3	-	611.0	611.9	636.2	640.3	-
802	Offices of dentists	336.7	340.2	352.6	354.3	-	293.4	295.6	308.9	311.8	-
805	Nursing and personal care facilities	978.9	986.6	1,025.9	1,028.5	-	879.0	887.6	926.3	930.1	-
806	Hospitals	2,680.5	2,690.6	2,816.1	2,821.5	-	2,458.7	2,465.5	2,577.7	2,585.0	-
81	LEGAL SERVICES	469.2	474.2	499.3	500.6	-	403.0	407.5	426.7	427.9	-
82	EDUCATIONAL SERVICES	1,168.1	1,136.9	1,206.2	1,198.9	-	-	-	-	-	-
821	Elementary and secondary schools	269.7	271.6	280.2	280.1	-	-	-	-	-	-
822	Colleges and universities	775.5	743.9	798.3	791.4	-	-	-	-	-	-
83	SOCIAL SERVICES	1,129.0	1,147.6	1,196.2	1,202.0	-	-	-	-	-	-
86	MEMBERSHIP ORGANIZATIONS	1,560.5	1,573.7	1,598.5	1,596.4	-	-	-	-	-	-
89	MISCELLANEOUS SERVICES	1,003.5	994.6	1,046.9	1,047.1	-	840.3	830.6	876.2	874.7	-
891	Engineering and architectural services	548.0	550.1	570.8	573.3	-	455.5	467.6	483.6	483.3	-
893	Accounting, auditing, and bookkeeping	319.4	307.4	338.0	336.2	-	261.6	248.8	276.7	274.4	-
	GOVERNMENT	16,651	16,556	16,408	16,387	16,354	-	-	-	-	-
	FEDERAL GOVERNMENT	3,103	2,963	2,769	2,775	2,782	-	-	-	-	-
	Executive, by agency ⁴	3,049.2	2,908.2	2,715.3	2,720.8	-	-	-	-	-	-
	Department of Defense	888.5	895.1	894.2	899.1	-	-	-	-	-	-
	Postal Service	658.2	659.3	657.0	658.4	-	-	-	-	-	-
	Other executive agencies	1,502.5	1,353.8	1,164.1	1,163.3	-	-	-	-	-	-
	Legislative	39.6	40.2	39.1	39.1	-	-	-	-	-	-
	Judicial	14.2	14.3	15.0	15.0	-	-	-	-	-	-

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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
	FEDERAL GOVERNMENT—Continued										
	Federal Government, by industry										
—	Manufacturing activities	123.4	123.9	122.2	118.0	—	—	—	—	—	
3731	Shipbuilding and repairing	72.6	72.7	73.2	73.3	—	—	—	—	—	
—	Transportation and public utilities, except										
—	Postal Service	44.3	44.9	45.0	44.8	—	—	—	—	—	
—	Services	393.3	395.8	385.4	383.5	—	—	—	—	—	
806	Federal government hospitals	236.6	235.6	232.5	229.5	—	—	—	—	—	
—	STATE AND LOCAL GOVERNMENT	13,548	13,593	13,639	13,612	13,572	—	—	—	—	
—	State government	3,670.5	3,632.0	3,652.2	3,648.6	—	—	—	—	—	
806	State government hospitals	545.6	547.0	550.2	548.9	—	—	—	—	—	
82	State education	1,497.2	1,449.7	1,476.1	1,471.8	—	—	—	—	—	
—	General administration including executive, legislative, and judicial functions	1,006.1	1,011.5	1,009.6	1,013.2	—	—	—	—	—	
—	Local government	9,877.3	9,960.7	9,986.9	9,962.9	—	—	—	—	—	
—	Transportation and public utilities	589.8	611.3	634.4	636.7	—	—	—	—	—	
806	Local government hospitals	580.0	582.4	604.2	604.7	—	—	—	—	—	
82	Local education	5,371.8	5,396.3	5,384.5	5,370.3	—	—	—	—	—	
—	General administration including executive, legislative, and judicial functions	2,955.8	2,986.2	2,984.1	2,972.9	—	—	—	—	—	

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

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

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

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

— Data not available.
p = preliminary.

NOTE: Data from April 1979 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" in the Explanatory notes of this publication.

**Corrected data for February 1981 are:

Industry	February 1981	
	All employees	Production workers
Total private	—	59,783
Manufacturing	—	14,048
Nondurable goods	—	5,731
SIC 23	1,285.1	1,097.5
SIC 239	182.3	151.0
SIC 2396	35.7	30.5

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981	Mar. 1981
	TOTAL.....	37,889	38,115	38,579	38,712	38,898
	PRIVATE SECTOR.....	30,054	30,202	30,769	30,772	30,934
	MINING.....	97	99	112	114	117
10	METAL MINING	9.0	8.8	9.5	9.4	9.2
11, 12	COAL MINING	10.6	10.7	12.1	12.1	12.5
13	OIL AND GAS EXTRACTION.....	68.6	70.0	81.4	84.0	85.9
131, 2	Crude petroleum, natural gas, and natural gas liquids	43.8	44.7	52.4	53.6	54.7
138	Oil and gas field services.....	24.8	25.3	29.0	30.4	31.2
14	NONMETALLIC MINERALS, EXCEPT FUELS.....	9.0	9.0	9.0	8.8	9.0
142	Crushed and broken stone	2.5	2.5	2.4	2.4	2.4
144	Sand and gravel	3.0	3.0	2.9	2.7	2.9
	CONSTRUCTION.....	368	372	392	391	395
15	GENERAL BUILDING CONTRACTORS.....	129.8	131.4	137.1	136.1	137.3
152	Residential building construction	72.7	74.0	78.0	76.8	77.4
153	Operative builders	16.9	16.4	15.7	16.1	16.2
154	Nonresidential building construction	40.2	41.0	43.4	43.2	43.7
16	HEAVY CONSTRUCTION CONTRACTORS.....	53.0	53.4	53.9	53.0	53.9
161	Highway and street construction	14.1	14.6	14.0	13.7	14.1
162	Heavy construction, except highway	38.9	38.8	39.9	39.3	39.8
17	SPECIAL TRADE CONTRACTORS.....	185.3	187.4	200.8	201.6	203.3
171	Plumbing, heating, air conditioning	52.3	52.9	56.6	56.5	56.4
172	Painting, paper hanging, decorating	12.1	12.4	12.8	13.1	13.6
173	Electrical work	34.0	33.9	38.2	38.5	38.9
174	Masonry, stonework, and plastering	21.7	21.7	23.7	23.9	24.2
175	Carpentering and flooring	14.0	14.0	15.2	15.2	15.4
176	Roofing and sheet metal work	12.9	13.1	13.4	13.5	13.7
	MANUFACTURING	6,459	6,492	6,299	6,321	6,356
24, 25, 32-39	DURABLE GOODS.....	3,111	3,128	3,015	3,019	3,036
20-23, 28-31	NONDURABLE GOODS.....	3,348	3,364	3,284	3,302	3,320
	DURABLE GOODS					
24	LUMBER AND WOOD PRODUCTS.....	109.2	109.5	101.2	101.0	101.7
241	Logging camps and logging contractors	4.7	4.9	4.8	4.7	5.0
242	Sawmills and planing mills	22.4	22.4	19.7	19.5	19.5
2421	Sawmills and planing mills, general	15.8	15.8	14.2	14.0	14.0
243	Millwork, plywood, and structural members	44.2	43.6	41.0	41.1	41.4
244	Wooden containers	7.3	7.5	7.1	7.0	6.9
245	Wood buildings and mobile homes	9.7	9.6	8.0	8.0	8.3
249	Miscellaneous wood products	20.9	21.5	20.6	20.7	20.6
25	FURNITURE AND FIXTURES.....	146.1	146.5	142.8	144.1	144.5
251	Household furniture	106.9	106.9	103.3	104.0	104.0
2511	Wood household furniture	45.6	45.7	45.3	45.4	45.3
2512	Upholstered household furniture	35.7	35.4	34.1	34.0	34.4
2515	Mattresses and bedsprings	8.2	8.2	7.6	7.9	7.9
252	Office furniture	12.3	12.5	13.0	13.1	13.2
253	Public building and related furniture	5.4	5.4	5.3	5.3	5.4
254	Partitions and fixtures	10.5	10.5	10.4	10.4	10.4
259	Miscellaneous furniture and fixtures	11.0	11.2	10.8	11.3	11.5
32	STONE, CLAY, AND GLASS PRODUCTS.....	131.7	132.7	125.9	126.2	126.4
322	Glass and glassware, pressed or blown	43.0	43.4	40.9	41.0	41.2
3221	Glass containers	23.7	24.0	22.3	22.3	22.5
3229	Pressed and blown glass, nec	19.3	19.4	18.6	18.7	18.7
323	Products of purchased glass	13.6	14.0	13.3	13.3	13.1
324	Cement, hydraulic	1.7	1.7	1.8	1.8	1.8
325	Structural clay products	7.0	6.9	6.2	6.2	5.1
326	Pottery and related products	16.4	16.5	14.6	14.7	14.6
327	Concrete, gypsum, and plaster products	15.0	15.0	14.8	14.5	14.4
329	Misc. nonmetallic mineral products	32.4	32.4	31.5	31.8	32.3
33	PRIMARY METAL INDUSTRIES.....	131.5	131.9	124.6	124.0	124.8
331	Blast furnace and basic steel products	42.2	42.3	39.3	40.1	40.3
3312	Blast furnaces and steel mills	32.0	32.1	29.4	29.9	30.3
332	Iron and steel foundries	19.1	19.3	18.2	18.0	18.0

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981	Mar. 1981
PRIMARY METAL INDUSTRIES—Continued						
3321	Gray iron foundries	8.4	8.6	8.5	8.4	8.5
3322	Malleable iron foundries	1.3	1.3	1.0	1.1	1.0
3325	Steel foundries, nec	5.4	5.4	4.8	4.7	4.7
333	Primary nonferrous metals	4.9	4.9	4.9	4.9	4.9
3334	Primary aluminum	2.0	2.0	2.1	2.1	2.1
335	Nonferrous rolling and drawing	43.0	43.5	42.2	40.5	41.2
3351	Copper rolling and drawing	3.6	3.6	3.2	3.3	3.4
3353	Aluminum sheet, plate, and foil	4.5	4.6	4.2	4.1	4.2
3357	Nonferrous wire drawing and insulating	26.0	26.6	26.7	25.0	25.6
336	Nonferrous foundries	16.5	16.0	14.4	14.7	14.5
3361	Aluminum foundries	8.7	8.3	7.4	7.6	7.3
34	FABRICATED METAL PRODUCTS	357.4	358.4	335.1	335.2	338.4
341	Metal cans and shipping containers	14.2	14.1	12.9	13.1	12.9
3411	Metal cans	12.2	12.2	11.0	11.1	10.9
342	Cutlery, hand tools, and hardware	61.3	61.9	57.2	57.5	58.6
3423, 5	Hand and edge tools, and hand saws and blades	17.6	17.6	16.3	16.5	16.6
3429	Hardware, nec	36.6	37.2	34.1	34.3	35.3
343	Plumbing and heating, except electric	19.3	18.9	15.9	16.0	16.2
344	Fabricated structural metal products	75.2	75.0	72.0	71.8	72.1
3441	Fabricated structural metal	8.2	8.1	7.7	7.7	7.6
3442	Metal doors, sash, and trim	22.3	22.3	21.0	20.5	20.4
3443	Fabricated plate work (boiler shops)	17.8	17.8	18.4	18.3	18.5
3444	Sheet metal work	16.6	16.6	15.4	15.6	15.8
345	Screw machine products, bolts, etc.	26.3	26.4	23.4	23.6	23.7
3451	Screw machine products	13.6	13.6	12.2	12.3	12.4
3452	Bolts, nuts, rivets, and washers	12.7	12.8	11.2	11.3	11.3
346	Metal forgings and stampings	54.1	54.8	52.0	51.5	52.1
3462	Iron and steel forgings	4.7	4.9	4.8	4.8	4.9
3465	Automotive stampings	12.0	12.3	11.5	10.8	11.4
3469	Metal stampings, nec	35.3	35.4	33.4	33.7	33.6
347	Metal services, nec	26.7	26.8	25.7	25.4	25.9
3471	Plating and polishing	18.1	18.2	17.8	17.7	18.0
3479	Metal coating and allied services	8.6	8.6	7.9	7.7	7.9
348	Ordnance and accessories, nec	17.9	17.7	17.4	17.3	17.2
349	Misc. fabricated metal products	62.4	62.8	58.5	59.0	59.7
3494	Valves and pipe fittings	24.1	24.4	22.3	22.4	22.7
3496	Misc. fabricated wire products	14.7	14.9	13.7	13.8	14.2
35	MACHINERY, EXCEPT ELECTRICAL	500.7	502.5	501.8	502.6	503.1
351	Engines and turbines	26.8	26.7	24.6	24.3	23.2
3511	Turbines and turbine generator sets	5.8	5.8	5.6	5.7	5.7
3519	Internal combustion engines, nec	21.0	20.9	19.0	18.6	17.5
352	Farm and garden machinery	28.8	28.1	28.5	28.2	28.0
3523	Farm machinery and equipment	21.8	21.3	22.0	21.7	21.4
353	Construction and related machinery	48.8	49.4	51.0	51.4	52.0
3531	Construction machinery	16.1	16.2	15.3	15.4	15.6
3533	Oil field machinery	12.8	13.2	15.1	15.2	15.5
354	Metalworking machinery	59.6	60.2	57.4	57.7	57.4
3541	Machine tools, metal cutting types	10.5	10.5	10.5	10.6	10.5
3544	Special dies, tools, jigs, and fixtures	15.4	15.5	14.8	15.0	14.8
3545	Machine tool accessories	14.2	14.5	13.4	13.4	13.4
355	Special industry machinery	30.9	31.0	30.9	30.7	30.7
3551	Food products machinery	6.6	6.7	6.1	6.0	6.0
3552	Textile machinery	5.4	5.3	5.1	5.1	5.0
3555	Printing trades machinery	6.4	6.4	7.3	7.2	7.2
356	General industrial machinery	65.1	65.3	63.1	63.5	63.9
3561	Pumps and pumping equipment	11.6	11.7	11.3	11.4	11.4
3562	Ball and roller bearings	14.6	14.7	14.5	14.7	14.7
357	Office and computing machines	150.4	151.2	160.2	160.0	160.6
3573	Electronic computing equipment	122.1	123.5	132.5	132.6	133.4
358	Refrigeration and service machinery	40.1	40.1	38.5	38.7	38.8
3585	Refrigeration and heating equipment	26.8	26.9	26.0	26.1	26.0
359	Misc. machinery, except electrical	50.2	50.5	47.6	48.1	48.5
3599	Machinery, except electrical, nec	39.4	39.7	37.5	37.5	37.5
36	ELECTRIC AND ELECTRONIC EQUIPMENT	924.8	930.3	907.3	907.7	913.9
361	Electric distributing equipment	45.4	45.5	43.7	44.6	45.1
3612	Transformers	19.7	19.7	17.5	18.1	18.8
3613	Switchgear and switchboard apparatus	25.7	25.8	26.2	26.5	26.3
362	Electrical industrial apparatus	95.3	95.0	89.1	89.5	90.4
3621	Motors and generators	51.8	51.5	48.6	48.8	49.7
3622	Industrial controls	29.5	29.6	27.7	27.7	27.5
363	Household appliances	62.3	62.9	61.2	61.7	62.9
3632	Household refrigerators and freezers	10.8	10.8	10.7	11.3	12.2
3633	Household laundry equipment	5.1	5.1	4.7	4.4	4.5
3634	Electric housewares and fans	27.2	27.9	27.6	28.3	28.1
364	Electric lighting and wiring equipment	102.6	102.9	95.0	95.2	96.5
3641	Electric lamps	23.2	23.0	21.4	21.2	21.0

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981	Mar. 1981
ELECTRIC AND ELECTRONIC EQUIPMENT—Continued						
3643	Current-carrying wiring devices	46.5	46.6	43.2	43.6	44.1
365	Radio and TV receiving equipment	58.1	58.8	58.1	57.5	57.4
3651	Radio and TV receiving sets	43.6	43.9	44.2	43.9	43.9
366	Communication equipment	211.5	212.5	212.7	212.8	213.1
3661	Telephone and telegraph apparatus	87.2	87.9	81.3	81.3	80.5
3662	Radio and TV communication equipment	124.3	124.6	131.4	131.5	132.6
367	Electronic components and accessories	291.7	292.6	286.4	285.2	286.8
3671-3	Electronic tubes	17.1	17.1	17.4	17.5	17.5
3674	Semiconductors and related devices	102.6	103.4	106.3	105.4	105.9
3679	Electronic components, nec	117.3	117.6	115.0	114.7	115.3
369	Misc. electrical equipment and supplies	57.9	60.1	61.1	61.2	61.7
3694	Engine electrical equipment	26.2	26.9	29.5	29.3	29.8
37	TRANSPORTATION EQUIPMENT	309.9	311.0	293.9	293.7	296.8
371	Motor vehicles and equipment	119.0	120.0	102.1	98.7	100.2
3711	Motor vehicles and car bodies	45.3	47.1	37.1	34.9	35.4
3713	Truck and bus bodies	5.2	4.4	3.9	3.8	3.6
3714	Motor vehicle parts and accessories	65.6	65.5	57.9	56.6	57.7
372	Aircraft and parts	118.7	119.8	123.7	123.6	124.5
3721	Aircraft	64.9	65.7	66.9	67.4	68.5
3724	Aircraft engines and engine parts	27.7	27.9	29.4	29.0	28.9
3728	Aircraft equipment, nec	26.1	26.2	27.4	27.2	27.0
373	Ship and boat building and repairing	23.5	22.1	21.5	22.1	22.7
3731	Ship building and repairing	16.3	15.5	15.6	15.9	16.1
374	Railroad equipment	7.0	7.0	5.7	5.6	5.4
376	Guided missiles, space vehicles, parts	23.3	23.7	26.3	26.5	26.3
3761	Guided missiles and space vehicles	19.4	19.7	21.8	22.0	21.8
379	Miscellaneous transportation equipment	10.5	10.7	9.1	9.0	9.5
38	INSTRUMENTS AND RELATED PRODUCTS	298.3	300.8	296.4	295.9	296.1
381	Engineering and scientific instruments	24.0	24.0	24.9	24.9	24.9
382	Measuring and controlling devices	104.2	105.0	103.1	102.5	102.1
3822	Environmental controls	24.8	25.1	22.7	22.6	22.7
3823	Process control instruments	17.6	17.7	18.7	18.8	18.7
3825	Instruments to measure electricity	44.6	45.0	45.9	46.2	46.0
383	Optical instruments and lenses	12.2	12.4	11.7	11.9	11.9
384	Medical instruments and supplies	77.8	78.7	79.3	80.0	80.4
3841	Surgical and medical instruments	36.2	36.6	36.9	37.0	37.3
3842	Surgical appliances and supplies	34.0	34.4	34.5	35.0	35.1
385	Ophthalmic goods	27.6	27.8	26.6	26.6	26.9
386	Photographic equipment and supplies	36.9	37.2	38.3	38.0	38.1
387	Watches, clocks, and watchcases	15.6	15.7	12.5	12.0	11.9
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	201.7	204.6	185.5	188.3	190.4
391	Jewelry, silverware, and plated ware	25.1	25.9	25.4	25.4	25.4
393	Musical instruments	9.7	9.5	9.8	9.6	9.3
394	Toys and sporting goods	62.1	63.2	52.6	55.0	56.9
3942, 4	Dolls, games, toys, and children's vehicles	30.2	30.4	26.1	28.5	29.4
3949	Sporting and athletic goods, nec	31.9	32.8	26.5	26.5	27.5
395	Pens, pencils, office and art supplies	22.2	22.2	21.5	21.3	21.6
396	Costume jewelry and notions	31.9	32.6	28.6	28.2	28.2
399	Miscellaneous manufactures	50.7	51.2	47.6	48.8	48.5
NONDURABLE GOODS						
20	FOOD AND KINDRED PRODUCTS	474.2	473.9	468.6	463.5	462.5
201	Meat products	115.8	114.9	114.8	114.1	113.9
2011	Meat packing plants	29.3	29.2	28.6	28.5	28.3
2013	Sausages and other prepared meats	20.1	19.9	19.7	19.6	19.5
2016	Poultry dressing plants	57.7	57.7	58.7	58.3	58.9
202	Dairy products	35.9	36.3	36.4	35.9	36.5
2026	Fluid milk	18.0	17.9	18.0	18.0	17.9
203	Preserved fruits and vegetables	81.4	82.1	76.5	75.8	76.8
2032	Canned specialties	8.4	8.3	8.5	8.3	8.2
2033	Canned fruits and vegetables	25.6	24.9	24.8	24.2	24.1
2037	Frozen fruits and vegetables	17.2	19.0	14.3	14.9	16.0
204	Grain mill products	28.7	28.5	29.2	28.6	28.2
205	Bakery products	60.0	61.1	58.4	58.2	58.9
2051	Bread, cake, and related products	39.8	40.3	38.4	38.5	38.8
2052	Cookies and crackers	20.2	20.8	20.0	19.7	20.0
206	Sugar and confectionery products	42.8	40.4	42.3	41.6	38.5
207	Fats and oils	5.8	5.9	5.8	5.8	5.8
208	Beverages	38.2	39.1	40.3	40.0	39.8
2082	Malt beverages	7.0	7.4	7.7	7.6	7.5
2086	Bottled and canned soft drinks	17.8	18.0	18.9	18.9	19.0
209	Misc. foods and kindred products	65.6	65.6	64.8	63.5	64.2
21	TOBACCO MANUFACTURES	24.0	22.4	25.9	25.6	24.3
211	Cigarettes	13.7	13.5	14.5	14.7	14.6

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981	Mar. 1981
22	TEXTILE MILL PRODUCTS	421.1	422.8	404.1	404.5	404.6
221	Weaving mills, cotton	67.1	67.0	64.4	63.7	62.9
222	Weaving mills, synthetics	50.1	49.9	48.7	48.2	48.7
223	Weaving and finishing mills, wool	7.8	7.7	7.1	7.1	7.1
224	Narrow fabric mills	15.2	15.2	14.8	14.9	15.0
225	Knitting mills	148.0	149.8	142.6	143.8	143.9
2251	Women's hosiery, except socks	25.1	25.0	23.2	23.1	22.7
2252	Hosiery, nec	23.9	24.0	23.8	23.9	24.2
2253	Knit outerwear mills	51.0	52.6	50.7	51.8	52.2
2254	Knit underwear mills	24.7	24.7	24.3	24.4	24.2
2257	Circular knit fabric mills	13.4	13.3	11.6	11.5	11.6
226	Textile finishing, except wool	23.1	22.9	21.7	21.7	21.8
2261	Finishing plants, cotton	9.5	9.5	9.3	9.3	9.2
2262	Finishing plants, synthetic	6.7	6.4	6.4	6.5	6.5
227	Floor covering mills	23.1	23.2	21.4	21.6	21.7
228	Yarn and thread mills	65.9	66.7	64.5	64.2	64.4
2281	Yarn mills, except wool	40.7	41.4	40.5	40.6	40.6
2282	Throwing and winding mills	14.5	14.6	14.2	13.8	13.9
229	Miscellaneous textile goods	20.8	20.4	18.9	19.3	19.1
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,060.0	1,070.4	1,022.4	1,038.4	1,050.0
231	Men's and boys' suits and coats	60.9	59.1	61.0	60.7	60.3
232	Men's and boys' furnishings	314.5	316.6	300.1	299.9	301.4
2321	Men's and boys' shirts and nightwear	89.6	90.0	85.5	85.2	85.4
2327	Men's and boys' separate trousers	66.5	66.3	64.6	64.9	64.3
2328	Men's and boys' work clothing	90.3	90.6	86.5	85.4	85.2
233	Women's and misses' outerwear	373.2	382.1	363.0	376.2	393.4
2331	Women's and misses' blouses and waists	54.4	55.0	55.3	56.1	57.2
2335	Women's and misses' dresses	142.0	145.9	129.0	135.0	138.9
2337	Women's and misses' suits and coats	47.0	48.7	47.5	48.2	49.2
2339	Women's and misses' outerwear, nec	129.8	132.5	131.2	136.9	138.1
234	Women's and children's undergarments	79.1	79.2	75.3	76.2	75.8
2341	Women's and children's underwear	63.7	64.1	61.1	61.8	61.4
2342	Brassieres and allied garments	15.4	15.1	14.2	14.4	14.4
236	Children's outerwear	56.8	55.6	53.0	53.9	54.1
2361	Children's dresses and blouses	23.6	22.5	22.2	22.4	22.4
238	Misc. apparel and accessories	43.5	44.6	42.0	43.4	43.7
239	Misc. fabricated textile products	118.4	119.4	114.3	114.6	117.9
2391	Curtains and draperies	23.2	23.1	21.9	21.6	21.9
2392	House furnishings, nec	33.9	33.8	31.3	31.2	31.9
2396	Automotive and apparel trimmings	15.9	16.7	17.5	17.8	19.2
26	PAPER AND ALLIED PRODUCTS	159.0	160.1	157.1	157.7	158.6
261, 2,6	Paper and pulp mills	27.5	27.4	27.8	27.6	27.6
262	Paper mills, except building paper	24.4	24.4	24.9	24.8	24.8
263	Paperboard mills	5.9	5.9	5.8	5.8	5.9
264	Misc. converted paper products	75.0	76.4	74.0	74.9	75.6
265	Paperboard containers and boxes	50.6	50.4	49.5	49.4	49.5
27	PRINTING AND PUBLISHING	500.2	502.4	506.9	508.3	511.9
271	Newspapers	160.5	160.9	164.2	164.5	154.8
272	Periodicals	50.8	50.2	51.4	50.7	50.8
273	Books	57.2	57.5	57.2	57.7	58.0
274	Miscellaneous publishing	25.1	25.2	27.0	27.2	26.8
275	Commercial printing	132.1	133.1	135.0	135.6	138.5
2751	Commercial printing, letterpress	56.1	56.0	56.4	56.3	57.7
2752	Commercial printing, lithographic	69.8	70.8	72.3	72.7	73.9
276	Manifold business forms	15.4	15.4	14.8	14.7	14.6
278	Blankbooks and bookbinding	34.9	35.1	32.6	33.4	33.8
279	Printing trade services	10.5	10.8	11.1	11.1	11.3
28	CHEMICALS AND ALLIED PRODUCTS	276.6	277.5	280.4	282.4	283.8
281	Industrial inorganic chemicals	24.4	24.6	25.0	25.2	25.3
2819	Industrial inorganic chemicals, nec	16.1	16.2	16.8	16.8	16.8
282	Plastics materials and synthetics	44.1	44.2	42.1	42.1	42.2
2821	Plastics materials and resins	11.5	11.6	12.0	11.9	12.0
2824	Organic fibers, noncellulosic	25.9	25.8	23.9	24.0	23.7
283	Drugs	82.0	82.5	85.8	86.2	86.5
2834	Pharmaceutical preparations	69.9	70.2	72.7	73.1	73.2
284	Soap, cleaners, and toilet goods	56.2	55.7	56.5	57.7	58.2
2841	Soap and other detergents	8.7	8.7	9.5	9.3	9.0
2844	Toilet preparations	34.8	34.2	34.1	35.2	36.0
285	Paints and allied products	12.9	12.9	12.7	12.7	12.7
286	Industrial organic chemicals	25.5	25.9	26.2	26.2	26.2
2861,9	Gum, wood, and industrial organic chemicals, nec	20.5	20.9	21.5	21.6	21.6
287	Agricultural chemicals	10.5	10.8	10.4	10.6	10.9
289	Miscellaneous chemical products	21.0	20.9	21.7	21.7	21.8

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981	Mar. 1981
29	PETROLEUM AND COAL PRODUCTS	23.2	23.4	29.2	29.1	29.3
291	Petroleum refining	17.8	18.1	24.0	24.1	24.3
30	RUBBER AND MISC. PLASTICS PRODUCTS	262.7	263.1	247.4	248.3	250.4
301	Tires and inner tubes	10.9	10.7	9.6	9.7	9.6
302	Rubber and plastics footwear	13.7	14.1	12.9	13.1	13.0
303,4	Reclaimed rubber, and rubber and plastics hose and belting	5.9	5.7	5.2	5.2	5.4
306	Fabricated rubber products, nec	38.2	38.2	35.9	35.6	35.8
307	Miscellaneous plastics products	194.0	194.4	183.8	184.7	136.6
31	LEATHER AND LEATHER PRODUCTS	147.4	147.8	141.5	143.8	144.1
311	Leather tanning and finishing	2.7	2.8	2.7	2.7	2.8
314	Footwear, except rubber	99.0	99.6	98.8	100.1	100.0
3143	Men's footwear, except athletic	35.1	35.3	37.3	37.5	37.7
3144	Women's footwear, except athletic	42.1	41.9	38.5	38.8	38.3
318	Luggage	8.6	8.3	6.5	7.1	7.3
317	Handbags and personal leather goods	23.0	22.9	20.1	20.5	20.6
	TRANSPORTATION AND PUBLIC UTILITIES	1,277	1,282	1,309	1,313	1,320
41	LOCAL AND INTERURBAN PASSENGER					
	TRANSIT	68.3	69.0	71.1	71.7	72.6
411	Local and suburban transportation	13.1	13.4	15.4	15.7	15.7
412	Taxicabs	7.2	7.4	7.9	7.9	8.0
413	Intercity highway transportation	5.1	5.1	5.3	5.4	5.4
415	School buses	40.3	40.4	40.1	40.3	40.9
42	TRUCKING AND WAREHOUSING	152.6	152.2	150.4	149.4	150.3
421,3	Trucking and trucking terminals	135.8	135.6	134.8	134.1	135.4
422	Public warehousing	16.8	16.6	15.6	15.3	14.9
44	WATER TRANSPORTATION	19.7	19.6	19.4	19.5	20.0
45	TRANSPORTATION BY AIR	145.1	145.3	146.0	147.8	148.6
451,2	Air transportation	137.0	137.2	137.4	139.3	140.1
46	PIPE LINES, EXCEPT NATURAL GAS	2.1	2.3	2.7	2.7	2.7
47	TRANSPORTATION SERVICES	91.9	91.9	91.7	93.2	95.7
48	COMMUNICATION	624.6	626.4	637.5	636.6	537.4
481	Telephone communication	543.6	544.5	550.8	551.4	551.5
483	Radio and television broadcasting	62.5	62.9	67.0	64.9	55.4
49	ELECTRIC, GAS, AND SANITARY SERVICES	147.6	149.2	158.9	161.8	162.9
491	Electric services	67.9	68.6	75.0	75.7	76.1
492	Gas production and distribution	35.0	35.5	37.4	37.6	37.9
493	Combination utility services	34.7	34.8	35.2	37.3	37.6
495	Sanitary services	5.4	5.6	6.4	6.3	6.4
	WHOLESALE AND RETAIL TRADE	8,725	8,750	9,030	8,901	8,913
50,51	WHOLESALE TRADE	1,349	1,358	1,375	1,376	1,381
50	WHOLESALE TRADE-DURABLE GOODS	753	761	759	762	765
501	Motor vehicles and automotive equipment	94.1	93.8	90.1	90.2	90.4
502	Furniture and home furnishings	43.8	44.0	44.8	45.2	45.6
503	Lumber and construction materials	34.5	34.8	35.0	35.4	35.7
504	Sporting goods, toys, and hobby goods	23.9	24.2	25.5	25.5	25.8
505	Metals and minerals, except petroleum	28.5	29.1	29.5	29.6	29.7
506	Electrical goods	116.5	117.7	117.8	118.7	118.4
507	Hardware, plumbing, and heating equipment	69.3	69.4	65.8	65.8	65.9
508	Machinery, equipment, and supplies	292.9	297.9	302.0	302.8	304.7
509	Miscellaneous durable goods	49.7	49.6	48.8	48.7	48.8
51	WHOLESALE TRADE-NONDURABLE GOODS	596	597	616	614	616
511	Paper and paper products	43.4	44.1	47.1	47.0	47.0
512	Drugs, proprietaries, and sundries	67.2	67.1	69.0	68.8	68.5
513	Apparel, piece goods, and notions	85.2	85.8	85.7	86.6	97.7
514	Groceries and related products	141.7	140.5	150.9	150.2	151.9
516	Chemicals and allied products	32.1	32.6	35.4	35.1	34.6
517	Petroleum and petroleum products	52.5	52.8	57.1	57.1	57.5
518	Beer, wine, and distilled beverages	20.8	20.9	21.6	21.5	21.6
519	Miscellaneous nondurable goods	116.7	117.8	113.4	114.9	115.4

ESTABLISHMENT DATA WOMEN EMPLOYEES

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

[In thousands]

1972 SIC Code	Industry	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981	Mar. 1981
52-59	RETAIL TRADE	7,376	7,392	7,655	7,525	7,532
52	BUILDING MATERIALS AND GARDEN SUPPLIES	158.6	160.2	158.4	159.1	162.2
521	Lumber and other building materials	64.2	63.9	65.1	65.1	54.9
526	Hardware stores	56.0	56.0	57.2	55.7	56.9
53	GENERAL MERCHANDISE STORES	1,478.1	1,463.6	1,529.9	1,430.8	1,399.1
531	Department stores	1,189.2	1,175.1	1,235.2	1,147.3	1,114.9
533	Variety stores	199.6	198.0	203.1	195.2	195.0
539	Misc. general merchandise stores	89.3	90.5	91.6	88.3	39.2
54	FOOD STORES	994.3	993.3	1,039.4	1,036.4	1,036.3
541	Grocery stores	827.5	829.5	874.5	869.4	868.4
542	Meat markets and freezer provisioners	17.9	17.2	16.2	15.8	16.0
546	Retail bakeries	77.7	78.6	79.8	79.5	79.9
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	317.1	317.1	322.6	319.9	317.8
551,2	New and used car dealers	122.3	121.2	115.2	115.1	115.2
553	Auto and home supply stores	48.1	46.7	52.2	51.4	48.9
554	Gasoline service stations	128.4	130.2	137.9	136.1	135.9
56	APPAREL AND ACCESSORY STORES	651.7	653.5	688.1	666.1	668.7
561	Men's and boys' clothing and furnishings	60.4	59.9	64.2	60.7	59.0
562	Women's ready-to-wear stores	308.2	310.9	322.0	313.6	316.9
565	Family clothing stores	133.3	133.8	146.7	139.8	140.0
566	Shoe stores	75.5	74.9	75.3	74.8	75.4
57	FURNITURE AND HOME FURNISHING STORES	203.6	203.4	207.2	204.5	204.0
571	Furniture and home furnishings	133.7	134.3	136.0	135.2	135.8
572	Household appliance stores	22.5	22.5	23.5	23.3	23.0
573	Radio, television, and music stores	47.4	46.6	47.7	46.0	45.2
58	EATING AND DRINKING PLACES	2,551.1	2,588.1	2,650.8	2,655.1	2,701.1
59	MISCELLANEOUS RETAIL	1,021.4	1,012.4	1,058.4	1,052.9	1,042.6
591	Drug stores and proprietary stores	314.8	314.5	321.0	315.2	311.8
592	Liquor stores	31.8	31.3	33.6	33.1	32.3
594	Miscellaneous shopping goods stores	348.9	350.1	381.8	376.1	375.2
596	Nonstore retailers	157.8	156.5	159.5	157.4	158.1
598	Fuel and ice dealers	24.4	24.3	25.1	24.6	24.5
599	Retail stores, nec	122.5	114.3	117.8	126.6	120.9
	FINANCE, INSURANCE, AND REAL ESTATE	2,988	3,000	3,095	3,107	3,117
60	BANKING	1,082.8	1,085.9	1,118.8	1,120.1	1,124.2
602	Commercial and stock savings banks	997.6	1,000.4	1,029.5	1,030.6	1,034.4
61	CREDIT AGENCIES OTHER THAN BANKS	372.2	371.0	381.0	381.8	382.3
612	Savings and loan associations	176.3	176.6	190.2	191.7	191.6
614	Personal credit institutions	127.1	126.3	124.1	123.5	124.3
62	SECURITY, COMMODITY BROKERS, AND SERVICES	82.0	83.1	93.6	94.9	94.7
621	Security brokers and dealers	64.5	65.6	73.8	75.1	75.4
63	INSURANCE CARRIERS	744.2	748.6	758.4	759.9	762.0
631	Life insurance	288.0	290.9	299.0	300.3	301.6
632	Medical service and health insurance	100.1	100.9	103.3	103.7	103.6
633	Fire, marine, and casualty insurance	306.6	307.9	308.9	309.0	309.6
64	INSURANCE AGENTS, BROKERS, AND SERVICE	275.1	276.5	290.5	291.3	293.0
65	REAL ESTATE	356.7	357.5	372.1	377.3	378.7
651	Real estate operators and lessors	139.1	138.5	145.6	149.0	149.6
653	Real estate agents and managers	169.6	170.6	175.9	177.4	177.5
655	Subdividers and developers	32.2	32.8	35.5	36.0	36.7
66	COMBINED REAL ESTATE, INSURANCE, ETC	15.2	15.3	14.5	14.5	14.6
67	HOLDING AND OTHER INVESTMENT OFFICES	60.1	62.0	66.1	67.4	67.2
	SERVICES	10,140	10,207	10,532	10,625	10,716
70	HOTELS AND OTHER LODGING PLACES	531.7	546.8	522.0	527.3	541.8
701	Hotels, motels, and tourist courts	512.5	528.4	504.8	510.2	524.4

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Feb. 1980	Mar. 1980	Jan. 1981	Feb. 1981	Mar. 1981
72	PERSONAL SERVICES	649.8	652.2	637.8	646.9	646.8
721	Laundry, cleaning, and garment services	222.8	222.6	222.7	221.6	221.2
723	Beauty shops	257.6	260.1	257.9	260.0	260.7
726	Funeral service and crematories	18.4	19.2	19.8	19.5	19.4
73	BUSINESS SERVICES	1,258.4	1,261.5	1,337.1	1,325.2	1,338.1
731	Advertising	68.9	69.4	70.2	70.8	71.1
732	Credit reporting and collection	53.6	53.2	49.9	49.1	49.0
733	Mailing, reproduction, stenographic	58.5	58.3	62.6	63.0	64.6
734	Services to buildings	184.9	186.7	189.6	193.0	195.0
736	Personnel supply services	302.9	307.1	339.2	320.6	324.7
737	Computer and data processing services	134.8	131.7	145.1	150.2	150.7
75	AUTO REPAIR, SERVICES, AND GARAGES	97.8	99.2	100.0	98.6	99.8
753	Automotive repair shops	41.8	42.7	43.3	42.8	43.9
76	MISCELLANEOUS REPAIR SERVICES	62.1	63.3	64.6	63.7	62.8
78	MOTION PICTURES	77.5	79.7	75.5	76.3	79.1
781	Motion picture production and services	25.9	25.6	23.0	23.0	23.3
783	Motion picture theaters	46.0	48.5	47.4	47.7	50.2
79	AMUSEMENT AND RECREATION SERVICES	238.6	254.5	248.8	256.5	271.3
80	HEALTH SERVICES	4,174.6	4,183.8	4,362.0	4,375.3	4,397.8
801	Offices of physicians	579.1	581.2	601.9	600.5	602.5
802	Offices of dentists	289.1	288.3	297.7	297.9	302.8
805	Nursing and personal care facilities	867.1	869.9	906.7	907.9	911.1
806	Hospitals	2,157.3	2,160.4	2,255.2	2,266.0	2,276.8
81	LEGAL SERVICES	331.6	334.7	353.3	353.2	354.8
82	EDUCATIONAL SERVICES	596.4	599.8	592.7	631.2	636.2
821	Elementary and secondary schools	165.5	167.5	177.6	183.2	184.5
822	Colleges and universities	361.8	363.2	345.0	376.3	379.5
83	SOCIAL SERVICES	839.0	846.9	888.1	897.4	904.4
89	MISCELLANEOUS SERVICES	316.3	320.9	337.2	344.6	349.2
891	Engineering and architectural services	112.6	113.4	122.8	123.4	124.7
893	Accounting, auditing, and bookkeeping	144.2	147.2	153.6	159.5	162.1
	GOVERNMENT	7,835	7,913	7,810	7,940	7,964
	FEDERAL GOVERNMENT	880	908	878	879	877
	STATE AND LOCAL GOVERNMENT	6,955	7,005	6,932	7,061	7,087
	State government	1,669.0	1,680.2	1,626.3	1,676.3	1,681.9
	Hospitals	345.4	345.8	344.5	344.6	344.2
	State education	703.6	709.5	655.6	702.4	705.2
	General administration including executive, legislative, and judicial functions	416.3	420.1	417.0	420.0	423.2
	Local government	5,286.2	5,324.3	5,306.0	5,385.1	5,404.6
	Transportation and public utilities	93.8	94.4	99.7	100.1	101.2
	Hospitals	468.0	469.9	487.0	490.0	491.1
	Local education	3,507.5	3,528.1	3,488.4	3,556.7	3,561.5
	General administration including executive, legislative, and judicial functions	993.1	1,007.4	1,003.8	1,011.4	1,020.2

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				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. ^P	May ^P
TOTAL	90,468	90,047	89,867	90,142	90,384	90,710	90,961	91,125	91,481 ^c	91,653	91,705	91,490	91,474
GOODS-PRODUCING	25,745	25,422	25,153	25,312	25,476	25,636	25,811	25,892	26,041 ^c	25,988	26,010	25,830	25,678
MINING	1,023	1,029	1,013	1,013	1,028	1,037	1,054	1,072	1,086	1,095	1,100	949	951
CONSTRUCTION	4,436	4,379	4,322	4,359	4,404	4,442	4,475	4,508	4,610	4,518	4,514	4,441	4,315
MANUFACTURING	20,286	20,014	19,828	19,940	20,044	20,157	20,282	20,312	20,345 ^c	20,375	20,396	20,440	20,412
DURABLE GOODS	12,140	11,947	11,819	11,860	11,955	12,043	12,146	12,160	12,188	12,196	12,222	12,259	12,238
Lumber and wood products	654	648	650	662	674	677	683	688	693	692	691	690	691
Furniture and fixtures	472	461	449	456	464	466	469	472	475	477	478	485	487
Stone, clay, and glass products	663	647	641	648	655	656	661	660	663	661	662	659	652
Primary metal industries	1,144	1,096	1,049	1,059	1,074	1,096	1,119	1,133	1,133	1,134	1,135	1,135	1,128
Fabricated metal products	1,620	1,584	1,551	1,569	1,587	1,595	1,606	1,608	1,608	1,610	1,610	1,618	1,610
Machinery, except electrical	2,517	2,476	2,448	2,437	2,452	2,469	2,475	2,480	2,484	2,491	2,494	2,499	2,513
Electric and electronic equipment	2,127	2,094	2,079	2,083	2,091	2,107	2,120	2,135	2,147	2,149	2,155	2,170	2,172
Transportation equipment	1,819	1,831	1,839	1,840	1,851	1,873	1,901	1,868	1,866	1,865	1,879	1,881	1,866
Instruments and related products	700	696	698	697	697	697	701	701	702	700	702	703	704
Miscellaneous manufacturing ind.	424	414	415	409	410	407	411	415	417	417	416	419	415
NONDURABLE GOODS	8,146	8,067	8,009	8,080	8,089	8,114	8,136	8,152	8,157 ^c	8,179	8,174	8,181	8,174
Food and kindred products	1,691	1,677	1,683	1,690	1,672	1,682	1,686	1,684	1,680	1,685	1,672	1,669	1,668
Tobacco manufactures	70	71	69	67	68	69	71	70	70	71	71	72	72
Textile mill products	869	843	833	851	851	856	857	858	858	856	855	857	852
Apparel and other textile products	1,291	1,287	1,276	1,296	1,299	1,292	1,291	1,291	1,289 ^c	1,293	1,297	1,302	1,309
Paper and allied products	692	685	680	682	686	690	692	693	694	696	695	694	688
Printing and publishing	1,268	1,269	1,266	1,266	1,269	1,272	1,278	1,284	1,284	1,289	1,294	1,294	1,290
Chemicals and allied products	1,120	1,112	1,103	1,100	1,104	1,105	1,108	1,112	1,115	1,118	1,118	1,117	1,116
Petroleum and coal products	203	205	207	208	208	209	209	210	213	213	213	212	212
Rubber and misc. plastic products	703	681	663	680	692	699	705	711	713	716	717	722	725
Leather and leather products	239	237	229	240	240	240	240	240	241	242	242	242	242
SERVICE-PRODUCING	64,723	64,625	64,704	64,830	64,908	65,074	65,150	65,233	65,440	65,665	65,695	65,660	65,796
TRANSPORTATION AND PUBLIC UTILITIES	5,167	5,134	5,114	5,129	5,124	5,147	5,132	5,137	5,142	5,156	5,164	5,162	5,163
WHOLESALE AND RETAIL TRADE	20,487	20,459	20,506	20,589	20,620	20,641	20,660	20,638	20,762	20,885	20,917	20,809	20,888
WHOLESALE TRADE	5,268	5,245	5,247	5,263	5,280	5,292	5,297	5,302	5,315	5,328	5,326	5,338	5,342
RETAIL TRADE	15,219	15,214	15,259	15,326	15,340	15,349	15,363	15,336	15,447	15,557	15,591	15,470	15,546
FINANCE, INSURANCE, AND REAL ESTATE	5,137	5,150	5,167	5,180	5,194	5,214	5,225	5,245	5,268	5,277	5,284	5,297	5,307
SERVICES	17,659	17,652	17,760	17,788	17,861	17,913	17,969	18,063	18,133	18,181	18,212	18,275	18,366
GOVERNMENT	16,273	16,230	16,157	16,144	16,109	16,159	16,164	16,145	16,135	16,166	16,118	16,118	16,072
FEDERAL	2,960	2,951	2,893	2,828	2,765	2,788	2,790	2,789	2,801	2,794	2,786	2,786	2,779
STATE AND LOCAL	13,313	13,279	13,264	13,316	13,344	13,371	13,374	13,356	13,334	13,372	13,332	13,332	13,293

^p=preliminary.

^c=corrected.

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		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
TOTAL	38,157	38,213	38,059	37,997	38,069	38,235	38,397	38,469	38,585	38,645	38,837	38,969	38,952
GOODS-PRODUCING	7,025	6,965	6,832	6,742	6,699	6,728	6,761	6,797	6,834	6,880	6,904	6,918	6,930
MINING ¹	99	100	102	105	106	107	107	107	109	111	112	114	117
CONSTRUCTION	380	382	382	380	381	384	387	390	395	397	400	400	403
MANUFACTURING	6,546	6,483	6,348	6,257	6,212	6,237	6,267	6,300	6,330	6,372	6,392	6,404	6,410
DURABLE GOODS	3,148	3,103	3,008	2,954	2,930	2,922	2,955	2,982	3,004	3,028	3,041	3,047	3,055
Lumber and wood products	112	104	98	95	95	99	101	101	101	103	104	104	104
Furnitures and fixtures	146	146	140	136	133	135	137	138	139	141	142	144	144
Stone, clay, and glass products	135	132	127	124	122	123	125	126	126	127	127	129	129
Primary metal industries	132	131	123	121	116	116	120	122	123	124	125	124	125
Fabricated metal products	361	352	334	323	320	326	330	333	336	338	339	339	341
Machinery, except electrical	503	500	495	492	487	482	488	493	497	502	502	503	503
Electric and electronic equipment	937	931	906	888	880	876	879	887	895	905	914	917	921
Transportation equipment	311	298	286	286	286	280	290	297	301	296	294	294	297
Instruments and related products	302	301	298	294	296	294	294	295	296	298	298	297	297
Miscellaneous manufacturing ind.	209	208	201	195	195	191	191	190	190	194	196	196	194
NONDURABLE GOODS	3,398	3,380	3,340	3,303	3,282	3,315	3,312	3,318	3,326	3,344	3,351	3,357	3,355
Food and kindred products	503	500	499	491	492	499	488	498	497	498	500	499	491
Tobacco manufactures	24	25	25	25	25	24	25	25	26	25	25	26	26
Textile mill products	424	422	415	401	397	405	404	405	406	408	408	407	406
Apparel and other textile products	1,066	1,056	1,047	1,042	1,039	1,046	1,046	1,040	1,037	1,041	1,042	1,043	1,046
Paper and allied products	162	162	159	156	155	155	156	157	158	159	160	161	161
Printing and publishing	503	502	501	502	500	500	502	502	506	509	509	510	513
Chemicals and allied products	280	280	278	278	277	276	277	278	280	283	284	286	286
Petroleum and coal products	23	24	27	28	29	29	28	28	28	29	29	29	29
Rubber and misc. plastics products	264	261	244	236	231	237	241	242	244	248	249	251	252
Leather and leather products	149	148	145	144	137	144	145	143	144	144	145	146	145
SERVICE-PRODUCING	31,132	31,248	31,227	31,255	31,370	31,507	31,636	31,672	31,751	31,765	31,933	32,051	32,022
TRANSPORTATION AND PUBLIC UTILITIES	1,283	1,286	1,290	1,286	1,286	1,291	1,294	1,315	1,313	1,314	1,310	1,317	1,321
WHOLESALE AND RETAIL TRADE	8,973	8,947	8,943	8,981	8,976	9,008	9,034	9,032	9,045	8,993	9,114	9,178	9,153
WHOLESALE TRADE	1,365	1,363	1,365	1,361	1,367	1,363	1,371	1,378	1,373	1,383	1,382	1,388	1,388
RETAIL TRADE	7,608	7,584	7,578	7,620	7,609	7,645	7,663	7,654	7,672	7,610	7,732	7,790	7,765
FINANCE, INSURANCE, AND REAL ESTATE	3,008	3,018	3,023	3,018	3,035	3,038	3,048	3,064	3,073	3,092	3,114	3,119	3,126
SERVICES	10,217	10,261	10,303	10,306	10,412	10,435	10,499	10,522	10,531	10,639	10,671	10,711	10,727
GOVERNMENT	7,651	7,736	7,668	7,664	7,661	7,735	7,761	7,739	7,739	7,727	7,724	7,726	7,695
FEDERAL	912	1,000	941	936	914	895	879	884	886	887	888	884	881
STATE AND LOCAL	6,739	6,736	6,727	6,728	6,747	6,840	6,882	6,855	6,853	6,840	6,836	6,842	6,814

¹ 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.

**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				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. p	May P
TOTAL PRIVATE	60,325	59,964	59,888	60,136	60,363	60,567	60,785	60,901	61,204 ^c	61,289	61,331	61,184	61,170
GOODS-PRODUCING	18,438	18,144	17,901	18,035	18,181	18,313	18,461	18,521	18,655 ^c	18,596	18,608	18,434	18,307
MINING	764	770	757	753	766	772	783	796	806	811	816	692	688
CONSTRUCTION	3,488	3,443	3,385	3,410	3,443	3,476	3,499	3,530	3,630	3,544	3,537	3,456	3,346
MANUFACTURING	14,186	13,931	13,759	13,872	13,972	14,065	14,179	14,195	14,219 ^c	14,241	14,255	14,286	14,273
DURABLE GOODS	8,386	8,205	8,084	8,123	8,212	8,288	8,381	8,386	8,408	8,411	8,432	8,463	8,446
Lumber and wood products	544	538	542	553	563	566	571	577	580	577	576	577	576
Furniture and fixtures	380	369	359	366	374	376	378	381	383	386	385	392	394
Stone, clay, and glass products	513	498	492	498	505	506	511	510	512	511	510	508	502
Primary metal industries	877	832	793	802	817	838	860	873	874	874	874	874	869
Fabricated metal products	1,195	1,166	1,136	1,152	1,170	1,178	1,189	1,191	1,190	1,191	1,194	1,198	1,191
Machinery, except electrical	1,622	1,586	1,561	1,551	1,568	1,578	1,578	1,575	1,581	1,586	1,591	1,591	1,601
Electric and electronic equipment	1,358	1,320	1,305	1,309	1,315	1,323	1,335	1,347	1,355	1,358	1,364	1,373	1,381
Transportation equipment	1,159	1,172	1,172	1,171	1,181	1,207	1,238	1,206	1,206	1,205	1,214	1,223	1,207
Instruments and related products	419	415	414	415	414	414	416	417	416	413	415	416	418
Miscellaneous manufacturing ind.	319	309	310	306	305	302	305	309	311	310	309	311	307
NONDURABLE GOODS	5,800	5,726	5,675	5,749	5,760	5,777	5,798	5,809	5,811 ^c	5,830	5,823	5,823	5,827
Food and kindred products	1,157	1,143	1,149	1,157	1,140	1,149	1,154	1,152	1,149	1,153	1,144	1,140	1,139
Tobacco manufactures	55	55	54	52	54	54	55	54	54	55	55	56	56
Textile mill products	756	731	721	739	740	743	744	745	744	744 ^c	742	744	740
Apparel and other textile products	1,100	1,097	1,093	1,107	1,108	1,104	1,104	1,103	1,101	1,104	1,108	1,108	1,113
Paper and allied products	522	515	509	512	515	519	521	523	524	524	524	523	519
Printing and publishing	709	711	708	710	714	712	716	721	720	723	723	722	721
Chemicals and allied products	632	625	616	615	619	619	623	624	627	630	631	632	637
Petroleum and coal products	131	131	132	133	133	133	133	134	136	137	137	134	136
Rubber and misc. plastics products	537	518	502	521	533	540	544	550	552	555	555	559	561
Leather and leather products	201	200	191	203	204	204	204	203	204	205	204	205	205
SERVICE-PRODUCING	41,887	41,820	41,987	42,101	42,182	42,254	42,324	42,380	42,549	42,693	42,723	42,750	42,863
TRANSPORTATION AND PUBLIC UTILITIES	4,314	4,282	4,260	4,272	4,276	4,296	4,281	4,286	4,277	4,289	4,289	4,290	4,284
WHOLESALE AND RETAIL TRADE	17,975	17,936	17,984	18,046	18,074	18,099	18,106	18,077	18,186	18,275	18,283	18,203	18,259
WHOLESALE TRADE	4,308	4,284	4,288	4,297	4,307	4,317	4,318	4,325	4,330	4,336	4,336	4,345	4,342
RETAIL TRADE	13,667	13,652	13,696	13,749	13,767	13,782	13,788	13,752	13,856	13,939	13,947	13,858	13,917
FINANCE, INSURANCE, AND REAL ESTATE	3,893	3,898	3,917	3,926	3,930	3,940	3,947	3,961	3,975	3,979	3,982	3,996	4,005
SERVICES	15,705	15,704	15,826	15,857	15,902	15,919	15,990	16,056	16,111	16,150	16,169	15,251	15,315

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

p=preliminary.
c=corrected.

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.....	68.6	80.8	82.3	79.7
February.....	68.6	77.3	82.8	82.3
March.....	71.8	80.2	79.9	81.1
April.....	69.8	74.7	74.7	84.6
May.....	61.9	73.0	75.3	83.7
June.....	64.2	66.6	74.7	82.6
July.....	61.0	68.0	73.3	81.1
August.....	67.7	70.1	77.6	79.9
September.....	67.2	74.1	80.5	79.1
October.....	68.0	78.2	82.0	74.1
November.....	75.3	81.1	79.1	76.7
December.....	74.7	81.7	78.2	74.4
1979				
January.....	66.9	75.9	74.7	73.3
February.....	66.3	70.3	71.8	70.6
March.....	62.2	64.0	64.0	69.2
April.....	49.7	60.2	60.5	67.7
May.....	58.1	54.7	53.8	63.4
June.....	57.8	59.9	51.5	58.4
July.....	57.0	53.8	58.1	59.6
August.....	54.4	52.0	55.5	54.9
September.....	52.9	57.6	55.2	50.6
October.....	65.1	61.9	59.3	46.5
November.....	55.2	61.9	63.1	39.5
December.....	53.5	57.3	56.4	37.8
1980				
January.....	60.2	57.6	45.3	33.4
February.....	54.9	52.6	36.9	33.1
March.....	45.9	39.2	32.3	35.2
April.....	34.6	29.1	24.7	33.1
May.....	28.8	25.0	26.7	35.5
June.....	30.2	23.8	25.6	35.8
July.....	36.3	34.9	32.3	33.4
August.....	62.8	54.4	46.8	32.6
September.....	62.8	68.9	68.6	36.3
October.....	64.0	74.1	78.8	44.8p
November.....	66.9	71.2	76.7	60.2p
December.....	64.0	73.0	74.4	
1981				
January.....	64.5	67.4	71.8p	
February.....	56.7	64.2	66.3p	
March.....	54.9	61.3p		
April.....	57.0p	58.4p		
May.....	50.3p			
June.....				
July.....				
August.....				
September.....				
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		
	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P
1 ALABAMA	1,366.8	1,350.1	1,343.0	17.2	16.9	6.8	72.3	71.0	71.1	370.7	353.8	355.6
2 Birmingham	357.5	348.6	343.1	9.9	9.4	2.0	21.0	18.7	19.2	67.9	61.3	61.6
3 Huntsville	119.2	117.1	118.9	(1)	(1)	(1)	4.0	3.7	3.8	36.4	34.2	34.9
4 Mobile	152.2	151.4	151.2	(1)	(1)	(1)	11.1	11.0	10.8	29.8	29.3	29.7
5 Montgomery	109.6	107.0	106.9	(1)	(1)	(1)	8.4	6.3	6.2	16.8	16.1	16.1
6 Tuscaloosa	50.3	49.8	48.0	1.9	2.3	.5	2.3	2.1	2.3	8.6	8.1	8.0
7 ALASKA	166.6	165.5	169.9	6.3	7.5	7.9	9.0	8.4	9.0	12.8	9.9	11.1
8 ARIZONA	1,016.9	1,022.9	1,022.0	23.8	24.7	24.7	76.1	70.6	70.6	152.5	155.7	155.9
9 Phoenix	635.7	641.4	642.1	.4	.4	.4	50.8	48.6	48.4	112.9	114.8	115.5
10 Tucson	185.3	189.0	188.3	7.4	7.6	7.5	14.0	13.5	13.3	20.4	22.3	22.3
11 ARKANSAS	747.6	746.5	751.3	5.1	5.3	5.3	36.9	33.5	34.8	212.5	211.7	211.5
12 Fayetteville—Springdale	64.2	65.5	65.8	(1)	(1)	(1)	2.7	2.6	2.6	19.2	20.1	20.0
13 Fort Smith	67.5	66.5	66.9	1.0	1.1	1.1	2.7	2.7	2.6	22.6	21.2	21.6
14 Little Rock—North Little Rock	181.0	178.9	179.7	(1)	(1)	(1)	9.5	8.4	8.8	31.2	29.7	29.3
15 Pine Bluff	33.2	32.3	32.4	(1)	(1)	(1)	3.2	2.5	2.6	6.2	6.3	6.3
16 CALIFORNIA	9,855.0	9,870.6	9,896.8	42.4	43.8	44.1	440.0	384.0	390.9	2,000.7	1,978.1	1,977.7
17 Anaheim—Santa Ana—Garden Grove	837.1	855.4	860.4	2.2	2.3	2.3	50.5	48.6	49.3	222.2	222.7	222.2
18 Bakersfield	128.1	133.2	133.6	10.9	11.5	11.7	7.4	7.7	7.7	9.0	9.5	9.6
19 Fresno	183.3	185.1	186.3	1.0	1.0	1.0	11.1	10.4	10.7	22.3	21.7	21.6
20 Los Angeles—Long Beach	3,631.6	3,656.4	3,655.8	12.5	13.7	13.8	121.2	108.8	108.8	921.7	920.9	917.9
21 Modesto	86.2	86.5	86.8	.1	.1	.1	5.7	4.8	4.7	17.4	18.0	18.0
22 Oxnard—Simi Valley—Ventura	154.8	155.7	157.3	2.7	2.6	2.7	8.7	8.5	8.6	24.2	23.7	24.0
23 Riverside—San Bernardino—Ontario	438.8	440.3	440.5	2.6	2.4	2.4	26.6	25.4	25.6	65.1	63.1	63.1
24 Sacramento	397.7	403.2	405.9	.5	.5	.5	19.5	17.7	18.4	25.9	26.2	26.8
25 Salinas—Seaside—Monterey	87.4	88.1	89.5	.4	.4	.4	3.1	2.9	2.9	8.6	8.6	9.2
26 San Diego	649.3	659.1	659.9	.6	.6	.6	37.0	37.3	37.5	106.9	107.2	106.7
27 San Francisco—Oakland	1,559.7	1,570.9	1,575.5	3.0	3.5	3.5	75.1	70.8	71.6	203.4	202.7	203.9
28 San Jose	671.4	683.6	682.5	.2	.2	.2	25.8	23.1	23.7	237.8	238.2	235.4
29 Santa Barbara—Santa Maria—Lompoc	121.0	122.5	123.5	1.5	1.5	1.5	5.2	4.9	4.9	15.7	16.0	16.4
30 Santa Rosa	92.3	91.8	92.2	.4	.4	.4	5.7	4.9	5.1	14.7	14.6	14.6
31 Stockton	115.6	117.4	118.3	.1	.1	.1	5.6	5.0	5.1	19.2	18.9	19.6
32 Vallejo—Fairfield—Napa	98.9	101.7	102.6	.5	.5	.6	4.8	4.7	4.9	10.5	10.8	10.8
33 COLORADO	1,245.6	1,260.2	1,262.1	33.4	35.8	36.1	74.1	71.8	73.2	180.6	181.4	182.6
34 Denver—Boulder	793.1	803.4	805.4	18.0	19.6	20.0	45.3	43.6	44.4	125.0	125.9	127.2
35 CONNECTICUT	1,427.6	1,428.6	1,432.6	(2)	(2)	(2)	47.9	42.9	44.3	450.2	440.1	438.5
36 Bridgeport	170.4	170.1	170.3	(2)	(2)	(2)	4.1	4.0	3.6	66.5	66.3	66.2
37 Hartford	398.6	400.9	401.2	(2)	(2)	(2)	12.5	11.4	11.5	102.1	98.6	98.3
38 New Britain	66.1	65.3	65.6	(2)	(2)	(2)	2.1	1.8	2.0	31.1	29.9	29.8
39 New Haven—West Haven	193.1	191.4	191.2	(2)	(2)	(2)	6.7	6.5	6.3	45.0	40.9	40.0
40 Stamford	108.4	109.1	109.8	(2)	(2)	(2)	5.4	5.1	5.0	31.8	31.8	31.7
41 Waterbury	90.8	87.9	87.5	(2)	(2)	(2)	2.7	2.2	1.9	35.0	32.9	32.8
42 DELAWARE ¹	254.7	255.4	256.6	(1)	(1)	(1)	14.0	12.7	13.3	68.0	71.7	71.3
43 Wilmington	228.5	228.8	229.0	(1)	(1)	(1)	15.2	13.8	14.3	62.3	65.3	65.0
44 DISTRICT OF COLUMBIA	615.2	611.6	613.3	(1)	(1)	(1)	13.6	13.2	13.4	15.4	15.4	15.4
45 Washington SMSA	1,567.8	1,577.6	1,591.8	(1)	(1)	(1)	75.4	71.3	73.2	56.0	56.3	56.2
46 FLORIDA	3,568.4	3,750.2	3,740.9	10.6	10.7	10.6	257.3	283.0	280.2	459.2	470.9	471.4
47 Bradenton	44.3	43.0	42.6	-	-	-	4.1	3.2	3.2	7.5	7.5	7.5
48 Daytona Beach	78.1	79.8	79.7	(1)	(1)	(1)	4.5	4.8	4.8	8.1	8.2	8.2
49 Fort Lauderdale—Hollywood	353.9	358.8	355.6	(1)	(1)	(1)	31.7	33.0	32.0	41.7	41.0	40.8
50 Fort Myers—Cape Coral	65.8	66.5	66.2	(1)	(1)	(1)	8.1	8.2	8.2	3.8	3.7	3.7
51 Gainesville	66.3	67.1	67.1	(1)	(1)	(1)	3.6	3.8	3.7	4.6	4.7	4.9
52 Jacksonville	291.4	298.4	298.6	(1)	(1)	(1)	15.5	16.3	16.6	34.0	34.6	34.8
53 Lakeland—Winter Haven	118.5	120.7	118.9	5.8	5.9	5.8	7.8	9.2	9.3	22.7	23.5	22.5
54 Melbourne—Titusville—Cocoa	102.5	101.8	101.5	(1)	(1)	(1)	6.3	6.6	6.5	22.4	22.8	23.1
55 Miami	728.3	737.4	737.7	(1)	(1)	(1)	38.1	38.1	37.7	102.2	102.8	103.2
56 Orlando	286.8	292.3	295.1	(1)	(1)	(1)	18.4	20.9	21.3	36.5	36.4	36.0
57 Panama City	33.3	32.7	32.9	(1)	(1)	(1)	2.0	1.9	1.9	3.4	3.6	3.6
58 Pensacola	96.9	100.1	100.5	(1)	(1)	(1)	6.9	7.5	7.5	12.9	12.7	12.6
59 Sarasota	71.3	73.6	73.8	(1)	(1)	(1)	7.5	7.2	7.4	6.3	6.3	6.3
60 Tallahassee	74.5	75.8	75.9	(1)	(1)	(1)	3.4	3.8	4.0	2.9	2.8	2.8
61 Tampa—St. Petersburg	546.6	557.9	558.0	(1)	(1)	(1)	39.1	40.6	40.9	75.6	77.1	77.0
62 West Palm Beach—Boca Raton	208.2	217.4	214.8	(1)	(1)	(1)	20.5	21.2	20.6	28.5	28.4	28.1

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			
APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	
72.3	71.5	71.3	272.3	267.9	269.9	58.3	58.8	58.9	204.4	207.6	208.3	299.3	302.6	301.1	1
29.0	29.1	28.9	82.7	82.2	82.8	22.8	22.7	22.8	66.7	68.0	68.6	57.5	57.2	57.2	2
2.6	2.6	2.6	21.4	21.3	21.4	3.5	3.5	3.5	17.3	17.7	18.0	34.0	34.1	34.7	3
11.3	10.9	10.8	36.8	36.5	36.6	7.0	7.5	7.4	29.1	29.1	29.3	27.1	27.1	26.6	4
4.8	4.7	4.6	23.5	23.9	23.8	6.2	6.2	6.2	20.2	20.5	20.5	29.7	29.3	29.3	5
1.9	1.8	1.8	9.5	9.5	9.5	1.6	1.6	1.7	6.4	6.1	6.1	18.1	18.3	18.1	6
16.6	16.8	16.9	27.9	28.4	29.3	8.1	8.1	8.3	30.1	29.4	30.3	55.8	57.0	57.1	7
50.7	50.7	50.7	240.9	245.0	244.2	57.3	58.5	58.6	205.3	208.6	209.7	210.3	209.1	207.6	8
30.3	30.9	30.9	160.9	162.7	162.3	44.6	45.7	45.8	131.5	133.9	134.4	104.3	105.0	104.4	9
8.7	8.6	8.6	40.5	41.3	41.1	8.2	8.2	8.2	39.6	41.3	41.4	46.5	46.2	45.9	10
43.0	42.4	42.2	159.7	158.8	162.2	31.0	31.2	31.5	114.7	118.3	118.7	144.7	145.3	145.1	11
3.8	3.9	3.9	15.3	15.4	15.7	2.2	2.3	2.3	9.3	9.5	9.6	11.7	11.7	11.7	12
3.8	3.6	3.6	14.4	13.8	13.9	2.5	2.5	2.5	11.7	12.2	12.1	8.8	9.4	9.5	13
13.8	13.8	14.0	41.7	41.9	42.1	12.3	12.5	12.6	33.6	34.0	34.4	38.9	38.6	38.5	14
4.2	4.0	4.0	6.5	6.4	6.4	1.4	1.3	1.3	4.8	5.0	5.0	6.9	6.8	6.8	15
539.7	537.7	540.1	2,233.3	2,265.9	2,272.3	618.3	628.1	627.1	2,162.6	2,228.6	2,233.4	1,818.0	1,804.4	1,811.2	16
27.1	28.8	28.8	197.7	204.2	206.4	56.5	58.9	59.1	171.5	179.3	181.2	109.4	110.6	111.1	17
7.4	7.8	7.8	32.5	33.6	33.6	4.8	4.9	5.0	23.3	24.5	24.5	32.8	33.7	33.7	18
10.7	10.6	10.7	47.8	49.4	49.7	10.9	11.2	11.2	36.1	37.5	37.9	43.4	43.3	43.5	19
198.3	196.6	197.8	809.0	818.6	821.9	232.2	234.9	235.3	834.9	857.7	855.2	501.8	505.0	505.1	20
3.8	3.6	3.7	21.4	21.6	21.4	3.4	3.4	3.5	16.7	17.1	17.3	17.7	17.9	18.1	21
6.5	6.2	6.3	36.4	36.3	37.0	7.5	7.6	7.6	30.7	32.1	32.3	38.1	38.7	38.8	22
25.4	25.8	25.9	105.9	108.3	108.5	18.5	18.6	18.6	51.5	53.3	53.4	103.2	103.4	103.0	23
21.3	21.6	21.8	91.9	95.5	95.4	21.9	22.9	22.9	72.8	74.9	75.4	143.9	143.9	144.7	24
4.8	4.9	4.9	22.3	22.7	23.1	4.4	4.4	4.4	19.2	19.7	20.0	24.6	24.5	24.6	25
28.7	28.6	28.7	145.4	147.4	147.8	38.8	39.3	39.4	147.6	153.2	154.1	144.3	145.5	145.1	26
129.4	130.3	130.8	354.6	361.2	361.4	146.4	147.9	148.2	349.2	357.1	358.8	298.6	297.4	297.3	27
21.4	21.4	21.7	125.1	129.9	129.6	27.2	28.2	28.2	151.6	159.5	160.4	82.3	83.1	83.3	28
4.8	5.0	5.1	29.5	29.8	30.0	5.6	5.7	5.7	34.0	34.4	34.6	24.7	25.2	25.3	29
4.5	4.4	4.4	22.1	22.8	22.8	5.7	5.7	5.7	18.4	18.3	18.4	20.8	20.7	20.8	30
8.1	7.9	8.2	26.3	27.5	27.3	5.0	5.1	5.1	23.8	24.8	24.7	27.5	28.1	28.2	31
4.5	4.6	4.7	20.8	21.9	22.3	3.3	3.3	3.3	19.2	19.8	20.0	35.3	36.1	36.0	32
79.3	81.1	81.9	301.2	305.6	306.2	76.1	77.9	77.8	250.8	259.5	258.7	250.1	247.1	245.7	33
55.6	57.3	57.8	190.3	193.5	193.7	53.4	54.9	54.9	165.0	169.0	169.0	140.4	139.5	138.6	34
61.0	61.0	60.8	297.1	296.8	297.5	102.7	107.7	108.1	284.5	293.8	296.9	184.2	186.3	186.5	35
6.3	6.3	6.3	35.5	35.4	35.8	7.1	7.3	7.3	33.1	33.3	33.6	17.8	17.5	17.5	36
13.8	13.7	13.9	80.8	82.4	82.4	58.9	63.4	62.9	75.2	76.2	77.3	55.3	55.2	54.9	37
3.3	3.2	3.2	10.9	10.9	11.2	1.8	1.8	1.8	10.3	10.8	10.9	6.6	6.9	6.7	38
16.0	15.9	16.0	40.5	41.6	41.8	10.7	10.8	11.0	48.0	49.6	50.0	26.2	26.1	26.1	39
4.0	4.2	4.3	23.3	23.5	23.8	7.5	7.6	7.6	26.1	26.5	26.9	10.3	10.4	10.5	40
3.1	3.1	3.1	15.6	15.7	15.7	3.5	3.5	3.5	19.4	19.4	19.4	11.5	11.1	11.1	41
12.4	12.1	12.1	55.0	53.9	54.8	11.7	12.0	12.0	47.4	47.5	47.9	46.2	45.5	45.1	42
11.9	11.7	11.7	46.9	46.6	46.6	11.0	11.3	11.3	43.3	42.7	43.2	37.8	37.4	37.0	43
26.0	25.5	25.6	63.7	63.5	63.8	34.8	35.1	35.8	181.5	185.6	186.4	280.2	273.3	272.9	44
67.5	67.4	67.7	296.2	300.3	304.0	89.6	91.8	93.5	422.6	437.2	443.8	560.5	553.3	553.4	45
219.0	225.4	224.4	932.4	980.3	976.9	249.2	266.3	267.7	816.9	876.2	874.3	623.8	637.4	635.4	46
1.5	1.5	1.5	11.7	12.0	11.8	2.8	2.9	2.9	8.1	8.4	8.2	8.6	7.5	7.5	47
3.2	3.3	3.3	22.5	22.6	22.9	4.3	4.5	4.5	21.1	21.9	21.5	14.4	14.5	14.5	48
16.8	17.2	17.3	104.0	103.7	102.5	28.6	28.4	28.5	85.2	87.4	86.6	45.9	48.1	47.9	49
3.8	4.2	4.2	19.5	19.0	18.7	5.7	6.1	6.2	14.1	14.2	14.1	10.8	11.1	11.1	50
1.6	1.7	1.7	13.9	14.2	14.2	2.7	2.7	2.6	10.5	11.5	11.5	29.4	28.5	28.5	51
23.8	24.4	24.3	74.6	76.5	76.1	27.3	27.2	27.3	61.7	64.7	64.9	54.5	54.7	54.6	52
5.3	4.9	4.8	29.8	29.7	28.9	6.5	6.7	6.7	23.0	23.4	23.5	17.6	17.4	17.4	53
4.4	4.6	4.6	21.9	21.2	21.0	4.0	3.9	3.9	24.5	23.7	23.5	19.0	19.0	18.9	54
71.5	72.9	72.7	189.2	189.3	189.8	52.3	53.9	54.1	178.4	181.4	181.3	96.6	99.0	98.9	55
15.1	14.5	14.4	77.8	77.2	78.4	19.1	20.3	20.4	78.1	80.6	82.0	41.8	42.4	42.6	56
2.1	1.9	2.0	8.7	8.5	8.6	1.7	1.8	1.8	6.7	6.4	6.5	8.7	8.6	8.5	57
5.3	5.1	4.9	21.9	21.8	22.2	4.3	4.3	4.4	20.5	22.1	22.5	25.1	26.6	26.4	58
3.0	3.0	3.0	21.1	21.4	21.3	6.0	6.4	6.4	17.5	19.0	19.1	9.9	10.3	10.3	59
2.3	2.5	2.4	14.7	14.2	14.1	3.4	3.4	3.4	12.7	13.2	13.3	35.1	35.9	35.9	60
30.3	31.1	31.0	150.4	149.2	149.4	38.6	39.2	39.6	130.5	135.1	135.3	82.1	85.6	84.8	61
8.3	8.6	8.5	52.8	55.3	53.9	17.5	17.5	17.4	50.1	54.3	54.1	30.5	32.1	32.2	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		
	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P
1 GEORGIA	2,148.2	2,161.5	2,169.9	7.7	7.6	7.6	101.5	98.9	99.9	519.5	517.9	519.8
2 Albany	43.6	44.4	44.5	(1)	(1)	(1)	2.7	2.8	2.8	11.1	10.7	10.7
3 Atlanta	963.3	971.3	973.7	(1)	(1)	(1)	44.4	41.9	43.2	143.5	145.3	145.6
4 Augusta	123.2	123.4	123.7	(1)	(1)	(1)	5.3	5.2	5.4	36.6	35.8	35.6
5 Columbus	81.0	78.9	79.1	(1)	(1)	(1)	3.7	3.7	4.0	21.1	21.0	21.2
6 Macon	97.1	96.7	96.8	(1)	(1)	(1)	4.9	5.0	4.9	15.9	15.2	15.5
7 Savannah	85.6	85.9	86.2	(1)	(1)	(1)	5.3	6.2	6.3	16.4	16.7	17.0
8 HAWAII	408.5	406.2	405.3	(1)	(1)	(1)	24.5	24.4	24.0	23.1	22.4	22.8
9 Honolulu	337.4	335.8	335.4	(1)	(1)	(1)	19.8	20.4	20.3	16.5	16.2	16.6
10 IDAHO	328.0	325.8	326.2	4.2	4.8	4.6	15.7	15.3	15.7	52.1	52.8	52.8
11 Boise City	80.6	79.2	79.0	(1)	(1)	(1)	5.4	6.0	6.0	8.7	8.1	8.3
12 ILLINOIS	4,895.4	4,789.6	4,793.6	32.4	31.5	16.4	184.1	163.3	175.7	1,235.9	1,180.3	1,183.4
13 Bloomington—Normal	51.6	50.8	51.0	(2)	(2)	(2)	1.8	1.5	1.8	7.3	7.0	6.9
14 Champaign—Urbana—Rantoul	79.7	76.4	76.9	(2)	(2)	(2)	1.7	1.3	1.5	7.9	7.7	7.7
15 Chicago—Gary	3,533.2	(*)	(*)	5.2	(*)	(*)	138.5	(*)	(*)	926.1	(*)	(*)
16 Chicago SMSA ³	3,273.8	3,197.1	3,204.4	5.1	4.9	4.9	123.1	101.2	105.6	828.5	809.8	813.5
17 Davenport—Rock Island—Moline	160.1	161.8	162.4	(2)	(2)	(2)	7.3	6.7	7.3	45.2	49.0	48.9
18 Decatur	53.9	54.6	55.0	(2)	(2)	(2)	2.2	1.9	2.1	19.5	19.1	19.3
19 Kankakee	35.4	33.5	33.6	(2)	(2)	(2)	1.8	1.4	1.5	9.7	9.3	9.3
20 Peoria	152.9	146.2	147.7	(2)	(2)	(2)	7.1	6.0	6.6	52.7	47.3	47.4
21 Rockford	120.1	114.8	115.7	(2)	(2)	(2)	3.2	3.2	3.3	53.2	48.8	49.6
22 Springfield	85.9	85.5	85.6	(2)	(2)	(2)	3.9	3.3	3.7	6.6	6.6	6.7
23 INDIANA	2,147.5	2,110.9	2,121.4	10.2	9.5	6.3	88.0	78.3	85.7	669.7	660.9	662.8
24 Anderson	47.4	46.1	46.5	(1)	(1)	(1)	1.1	.9	1.0	20.6	20.1	20.1
25 Elkhart	69.4	67.4	68.0	-	-	-	2.1	2.0	2.1	35.5	34.2	34.6
26 Evansville	128.4	126.1	125.4	2.9	2.8	1.6	7.1	6.0	6.1	37.3	37.1	37.0
27 Fort Wayne	168.1	169.6	171.3	(1)	(1)	(1)	7.7	6.7	7.2	48.8	53.5	53.7
28 Gary—Hammond—East Chicago ³	259.4	251.0	250.7	(1)	(1)	(1)	15.4	14.2	14.6	97.6	92.9	91.7
29 Indianapolis	532.3	528.1	532.4	(1)	(1)	(1)	22.3	20.2	21.4	124.6	122.7	123.2
30 Lafayette—West Lafayette	57.8	57.5	58.4	(1)	(1)	(1)	1.9	2.1	2.4	11.8	11.1	11.2
31 Muncie	50.6	49.4	49.8	(1)	(1)	(1)	1.6	1.1	1.3	13.8	13.0	13.0
32 South Bend	111.7	107.2	107.0	(1)	(1)	(1)	4.6	4.4	4.5	31.6	30.4	30.4
33 Terre Haute	66.7	62.2	61.7	1.4	1.3	.4	3.8	3.0	3.3	16.7	15.1	15.2
34 IOWA	1,120.8	1,075.9	1,085.9	2.3	1.8	2.0	46.1	36.5	40.6	252.8	235.5	235.9
35 Cedar Rapids	86.7	81.8	82.4	(1)	(1)	(1)	3.5	3.3	3.5	29.6	26.3	26.6
36 Des Moines	180.7	178.5	178.1	(1)	(1)	(1)	6.7	6.0	6.3	25.6	24.9	24.5
37 Dubuque	45.3	41.9	42.2	(1)	(1)	(1)	1.4	1.1	1.2	17.0	14.1	14.0
38 Sioux City	49.0	47.2	47.7	(1)	(1)	(1)	2.0	1.8	2.0	8.8	8.9	8.9
39 Waterloo—Cedar Falls	67.8	65.0	65.5	(1)	(1)	(1)	2.4	1.8	1.9	24.6	22.5	22.6
40 KANSAS	953.2	950.7	957.1	15.0	16.0	16.3	46.9	41.2	43.3	194.1	186.1	185.9
41 Lawrence	29.0	28.8	28.9	(2)	(2)	(2)	1.1	.7	.7	5.0	4.8	4.8
42 Topeka	86.7	85.3	85.7	.2	.1	.2	3.7	3.1	3.2	11.3	9.8	9.9
43 Wichita	206.0	206.5	206.8	2.7	3.2	3.3	10.3	9.3	9.2	65.3	63.8	63.4
44 KENTUCKY	1,219.1	1,198.0	1,178.4	53.3	56.0	31.5	56.6	50.4	54.0	281.6	274.1	273.3
45 Lexington—Fayette	145.5	139.9	140.6	(1)	(1)	(1)	6.4	3.8	4.6	29.8	29.3	28.7
46 Louisville	391.5	385.0	387.4	(1)	(1)	(1)	16.9	14.6	15.6	99.7	100.6	99.4
47 Owensboro	31.1	30.7	30.9	.9	.9	1.0	1.8	2.0	2.0	6.9	7.0	7.0
48 LOUISIANA	1,554.2	1,618.0	1,620.9	84.8	92.2	92.6	135.1	151.8	150.2	209.7	214.3	214.7
49 Alexandria	51.3	52.3	52.7	(1)	(1)	(1)	3.9	4.0	4.3	5.6	5.4	5.2
50 Baton Rouge	201.1	208.0	208.0	1.2	1.5	1.5	23.4	23.6	24.5	25.6	26.2	26.2
51 Lafayette	77.2	84.7	86.4	14.5	17.4	17.7	5.3	5.6	5.9	4.1	4.4	4.5
52 Lake Charles	66.9	66.7	67.5	2.0	2.3	2.3	10.4	8.8	9.1	13.4	13.8	13.9
53 Monroe	49.8	50.4	50.4	.5	.5	.5	3.4	3.2	3.2	8.1	7.8	7.7
54 New Orleans	499.3	498.8	499.4	17.0	18.3	18.6	30.3	31.1	31.1	53.2	53.4	54.1
55 Shreveport	147.3	150.5	151.3	5.7	5.3	5.2	9.4	10.5	10.5	27.3	27.2	26.9
56 MAINE ²	413.7	408.7	413.0	(1)	(1)	(1)	17.7	15.8	17.5	112.7	112.1	111.8
57 Lewiston—Auburn	35.4	34.6	35.2	(1)	(1)	(1)	1.2	1.0	1.1	12.3	11.5	11.8
58 Portland	91.0	92.3	93.2	(1)	(1)	(1)	3.6	3.4	3.6	18.6	18.5	18.3
59 MARYLAND	1,702.2	1,680.3	1,700.5	(1)	(1)	(1)	101.9	92.3	94.2	242.5	234.4	235.1
60 Baltimore	959.4	948.7	957.9	(1)	(1)	(1)	48.7	47.5	47.5	164.7	158.7	159.4

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			
APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	
137.5	139.6	139.7	493.2	486.0	486.6	110.2	113.6	113.5	343.4	354.0	355.8	435.3	444.0	447.0	1
2.1	2.1	2.1	9.5	10.0	10.0	1.9	2.0	1.9	6.1	6.5	6.5	10.3	10.4	10.4	2
84.2	86.3	86.8	262.8	261.5	261.7	66.4	69.4	69.6	198.5	203.3	203.4	163.5	163.6	163.5	3
4.2	4.4	4.4	22.5	22.7	23.0	4.5	4.5	4.5	18.0	18.5	18.6	32.0	32.4	32.2	4
3.4	3.4	3.4	16.6	15.3	15.0	5.4	5.5	5.6	11.0	10.9	11.0	19.7	19.1	19.0	5
4.8	4.5	4.5	19.6	19.1	19.2	5.6	5.9	6.0	16.8	16.7	16.7	29.4	30.4	30.0	6
9.1	8.5	8.2	19.6	19.4	19.5	4.0	4.2	4.2	15.2	15.0	15.0	16.0	16.0	16.1	7
30.8	30.7	30.6	104.7	103.4	102.9	33.3	34.3	34.3	99.2	100.4	99.8	92.9	90.6	90.6	8
25.6	25.6	25.7	87.0	85.7	85.2	29.0	30.0	30.0	79.9	80.8	80.5	79.6	77.1	77.1	9
20.4	20.2	20.2	81.3	80.9	80.5	23.7	23.2	23.3	60.1	59.7	60.1	70.5	68.9	69.0	10
5.2	5.3	5.2	21.2	20.1	20.1	8.1	7.8	7.8	15.2	14.9	14.8	16.8	17.0	16.8	11
287.3	284.1	282.2	1,138.4	1,112.6	1,115.2	310.8	308.5	311.2	934.0	950.9	951.4	772.5	758.4	758.1	12
3.0	3.1	3.1	12.2	12.1	12.0	7.6	7.6	7.6	8.4	8.4	8.3	11.3	11.1	11.3	13
2.6	2.5	2.6	19.7	19.4	19.3	2.6	2.5	2.5	11.9	11.3	11.4	33.3	31.7	31.9	14
210.4	(*)	(*)	820.4	(*)	(*)	229.8	(*)	(*)	688.9	(*)	(*)	514.0	(*)	(*)	15
195.0	197.8	196.6	768.5	736.3	737.3	220.3	217.6	218.2	652.2	647.1	646.2	481.1	482.4	482.1	16
7.0	6.7	6.8	40.9	40.2	40.5	7.1	7.2	7.1	25.6	24.9	24.9	27.0	27.1	26.9	17
5.2	5.2	5.2	10.6	11.6	11.5	2.8	2.7	2.7	8.5	8.6	8.7	5.0	5.4	5.4	18
1.5	1.4	1.4	8.1	6.8	6.8	1.1	1.1	1.1	6.1	6.4	6.4	7.1	7.1	7.1	19
7.8	7.9	8.0	35.6	34.4	35.1	7.1	7.1	7.1	25.5	26.0	26.1	17.1	17.5	17.4	20
4.8	4.4	4.4	24.8	24.3	24.2	4.2	4.1	4.2	17.4	17.4	17.4	12.5	12.6	12.6	21
5.0	4.7	4.7	18.8	18.5	18.5	6.6	6.7	6.6	17.0	17.4	17.4	27.9	28.2	27.9	22
108.4	104.2	104.8	476.6	462.2	465.2	100.9	100.7	100.6	336.6	336.8	339.0	357.1	358.3	357.0	23
1.4	1.3	1.3	9.5	9.1	9.3	1.6	1.6	1.6	7.3	7.2	7.3	5.9	5.9	5.9	24
2.2	2.1	2.1	13.4	13.0	13.0	2.1	2.1	2.1	8.9	8.8	8.9	5.2	5.2	5.2	25
7.2	7.1	7.0	30.6	30.4	30.6	4.6	4.6	4.6	25.3	25.1	25.5	13.4	13.0	13.0	26
11.2	10.7	10.9	41.9	41.0	41.4	10.6	10.6	10.6	29.0	28.7	29.2	18.9	18.4	18.3	27
15.4	14.4	14.6	51.9	50.6	51.0	9.5	9.2	9.2	36.7	37.3	37.3	32.9	32.4	32.3	28
31.4	30.9	31.2	131.3	130.2	131.5	38.0	38.4	38.4	94.3	95.9	96.9	90.4	89.8	89.8	29
1.5	1.5	1.5	11.1	10.9	11.0	2.6	2.5	2.6	9.2	9.3	9.4	19.7	20.1	20.3	30
2.0	2.0	2.0	12.1	12.1	12.3	1.6	1.5	1.5	7.9	8.1	8.1	11.6	11.6	11.6	31
4.9	4.6	4.6	27.6	25.8	25.7	5.4	5.3	5.3	24.6	23.8	23.7	13.0	12.9	12.8	32
3.7	3.5	3.4	16.5	15.3	15.4	2.2	2.2	2.2	9.6	9.4	9.4	12.7	12.4	12.4	33
55.5	53.4	53.5	281.2	273.7	277.1	57.4	57.4	57.8	209.7	209.2	211.2	215.8	208.4	207.9	34
3.8	3.8	3.8	19.6	18.3	18.4	4.4	4.3	4.3	15.8	15.8	15.9	10.0	10.0	9.9	35
11.3	11.3	11.3	47.3	46.8	46.6	20.6	20.8	20.8	39.2	39.4	39.4	30.0	29.2	29.1	36
1.7	1.6	1.6	9.3	9.0	9.1	1.3	1.3	1.3	10.4	10.6	10.7	4.2	4.2	4.2	37
3.9	3.7	3.7	13.0	12.1	12.1	2.9	2.8	2.9	11.9	11.8	11.8	6.5	6.1	6.2	38
2.6	2.4	2.5	13.9	14.0	14.3	2.1	2.1	2.0	10.7	10.7	10.8	11.6	11.5	11.4	39
63.8	64.4	64.1	224.1	225.9	227.2	47.0	47.0	47.5	169.7	175.6	177.4	192.6	194.5	195.4	40
1.4	1.3	1.4	5.4	5.7	5.6	.8	.9	.9	4.0	4.2	4.3	11.3	11.2	11.2	41
7.4	7.5	7.6	18.6	18.8	18.9	6.1	6.3	6.4	17.0	17.6	17.4	22.4	22.1	22.1	42
10.8	10.8	10.8	44.3	45.3	45.6	9.2	9.1	9.2	38.4	39.5	39.8	25.0	25.5	25.5	43
69.0	67.4	66.5	258.6	253.4	254.0	51.8	52.0	52.5	210.4	208.9	211.2	237.8	235.8	235.4	44
7.2	7.5	7.5	31.9	31.8	32.1	7.2	7.6	7.5	27.8	26.5	26.9	35.1	33.4	33.3	45
24.4	23.1	22.9	88.8	86.0	87.1	23.0	22.9	23.1	76.9	77.7	79.1	61.8	60.0	60.1	46
2.3	2.5	2.4	7.0	6.6	6.8	1.2	1.3	1.3	6.0	5.6	5.6	5.0	4.8	4.8	47
124.1	125.8	127.0	351.9	359.9	361.4	74.5	75.6	75.5	267.1	278.3	279.6	307.0	320.1	319.9	48
2.5	2.5	2.5	10.9	11.4	11.6	2.8	2.9	2.9	10.2	10.9	11.0	15.4	15.2	15.2	49
10.8	11.4	11.4	43.1	45.4	45.5	10.9	11.2	11.2	32.8	34.9	34.8	53.3	53.8	52.9	50
5.7	6.1	6.4	20.0	21.5	21.8	2.7	2.8	2.9	15.0	15.4	15.8	9.9	11.5	11.4	51
3.8	3.6	3.9	14.3	14.6	14.7	2.8	2.7	2.8	9.5	9.8	9.7	10.7	11.1	11.1	52
2.6	2.8	2.8	13.1	13.0	13.1	3.7	4.0	3.9	7.9	8.0	8.1	10.5	11.1	11.1	53
52.3	51.6	51.7	125.8	124.4	124.4	30.0	30.4	30.4	109.8	110.6	110.7	80.9	79.0	78.4	54
10.0	10.8	11.0	35.2	36.2	36.8	7.1	7.2	7.1	27.7	28.3	28.8	24.9	25.0	25.0	55
18.4	18.6	18.6	86.4	83.9	86.4	16.3	16.5	16.5	76.0	77.3	78.1	86.2	84.5	84.1	56
1.2	1.2	1.2	8.2	8.2	8.4	1.6	1.6	1.7	7.6	7.7	7.7	3.3	3.4	3.3	57
5.4	5.3	5.3	24.1	24.7	25.3	7.1	7.6	7.6	18.9	19.5	19.9	13.3	13.3	13.2	58
86.5	85.9	85.0	403.4	403.7	412.6	91.4	92.7	94.5	359.2	365.7	372.7	417.3	405.6	406.4	59
59.1	58.5	57.7	213.3	211.1	213.7	57.1	58.4	59.0	195.3	204.8	210.3	221.2	209.7	210.3	60

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P
1 MASSACHUSETTS	2,658.3	2,652.3	2,682.1	(1)	(1)	(1)	71.3	63.5	69.3	684.2	667.3	671.7
2 Boston	1,483.0	1,476.9	1,495.6	(1)	(1)	(1)	39.7	36.6	39.4	297.2	291.1	292.4
3 Brockton	57.5	57.3	58.1	(1)	(1)	(1)	1.5	1.2	1.3	12.4	12.5	12.6
4 Fall River	54.7	53.4	53.9	(1)	(1)	(1)	1.4	1.0	1.2	20.5	19.5	19.8
5 Lawrence—Haverhill	113.9	113.9	114.7	(1)	(1)	(1)	3.0	2.5	3.1	44.0	44.8	45.0
6 Lowell	77.4	76.1	77.1	(1)	(1)	(1)	2.5	2.2	2.5	28.2	28.3	28.4
7 New Bedford	65.3	63.7	64.2	(1)	(1)	(1)	1.5	1.3	1.5	26.1	25.6	25.5
8 Springfield—Chicopee—Holyoke	236.8	230.8	233.2	(1)	(1)	(1)	6.2	5.6	6.2	68.7	64.3	64.3
9 Worcester	168.3	164.9	166.8	(1)	(1)	(1)	5.6	5.5	5.8	50.5	48.2	48.2
10 MICHIGAN	3,438.0	3,442.6	3,460.4	13.0	11.8	12.4	113.1	98.6	105.2	997.3	1,024.0	1,025.8
11 Ann Arbor	141.9	142.0	142.5	(1)	(1)	(1)	2.6	2.7	2.8	43.0	43.9	44.4
12 Battle Creek	63.5	63.0	63.4	(1)	(1)	(1)	1.6	1.5	1.7	21.7	21.3	21.3
13 Bay City	34.1	34.1	34.4	(1)	(1)	(1)	.9	.8	.8	9.4	9.2	9.3
14 Detroit	1,666.7	1,672.1	1,674.5	1.3	1.2	1.3	51.0	45.1	48.1	480.3	490.6	487.0
15 Flint	188.1	196.5	197.9	(1)	(1)	(1)	5.1	6.8	7.1	71.2	76.7	77.5
16 Grand Rapids	267.4	270.3	271.8	(1)	(1)	(1)	10.8	10.0	10.6	91.1	92.6	93.0
17 Jackson	51.7	51.3	51.3	(1)	(1)	(1)	1.3	1.0	1.0	15.0	14.5	14.8
18 Kalamazoo—Portage	110.7	108.0	108.3	(1)	(1)	(1)	4.9	3.9	4.2	33.8	32.7	32.7
19 Lansing—East Lansing	192.2	193.3	195.2	(1)	(1)	(1)	5.5	5.0	5.2	37.6	41.1	42.7
20 Muskegon—Norton Shores—Muskeg. Hts.	60.2	59.8	60.1	(1)	(1)	(1)	2.0	1.7	1.9	21.3	20.4	20.4
21 Saginaw	83.0	85.5	86.4	(1)	(1)	(1)	2.4	1.9	2.0	28.1	31.0	31.8
22 MINNESOTA	1,768.4	1,733.5	(*)	15.1	15.3	(*)	68.1	58.7	(*)	373.3	362.2	(*)
23 Duluth—Superior	61.0	57.4	(*)	(1)	(1)	(*)	2.1	1.6	(*)	7.9	8.0	(*)
24 Minneapolis—St. Paul	1,091.4	1,091.8	(*)	(1)	(1)	(*)	41.3	35.5	(*)	248.6	243.5	(*)
25 Rochester	49.7	49.7	(*)	(2)	(2)	(*)	1.8	1.3	(*)	10.0	10.1	(*)
26 St. Cloud	55.7	54.5	(*)	(1)	(1)	(*)	2.5	2.3	(*)	12.3	12.2	(*)
27 MISSISSIPPI	837.9	826.0	831.2	10.4	11.1	11.3	43.0	40.2	41.0	225.9	215.9	219.1
28 Jackson	148.0	145.9	146.3	1.4	1.6	1.7	7.7	6.8	6.9	19.4	18.7	18.6
29 MISSOURI	1,586.9	1,942.2	1,966.1	7.7	7.3	6.5	79.7	67.4	73.7	444.4	426.6	427.5
30 Kansas City	629.0	615.3	622.7	.5	.5	.5	24.9	22.6	23.7	120.8	119.2	119.6
31 St. Joseph	37.3	37.3	37.1	(2)	(2)	(2)	2.1	1.9	2.0	9.1	9.2	9.0
32 St. Louis	992.5	970.1	977.0	2.8	2.6	1.7	40.4	39.7	40.9	239.7	231.5	232.7
33 Springfield	86.6	84.5	85.3	(2)	(2)	(2)	4.0	3.1	3.3	19.1	18.5	18.4
34 MONTANA	276.2	276.8	279.3	8.3	7.8	7.7	13.2	12.5	13.9	21.6	22.5	21.7
35 Billings	47.0	47.3	47.4	(1)	(1)	(1)	2.4	2.3	2.5	4.0	4.2	4.0
36 Great Falls	29.2	29.2	29.4	(1)	(1)	(1)	1.5	1.5	1.7	1.7	1.3	1.3
37 NEBRASKA	633.6	620.8	628.8	1.8	1.5	1.5	27.8	25.5	27.3	96.6	94.8	95.9
38 Lincoln	100.3	97.9	100.3	(2)	(2)	(2)	3.7	3.7	3.8	13.8	13.2	13.2
39 Omaha	265.9	260.6	262.9	(2)	(2)	(2)	10.5	9.4	10.3	36.2	34.8	34.8
40 NEVADA	394.8	405.7	408.9	5.4	7.8	8.0	25.2	24.8	25.2	19.4	19.9	19.9
41 Las Vegas	219.7	224.1	225.2	.4	.6	.6	13.7	12.6	12.8	6.9	7.2	7.2
42 Reno	113.2	114.4	115.6	.9	1.1	1.1	7.1	7.2	7.3	8.3	8.3	8.3
43 NEW HAMPSHIRE	379.3	381.5	381.1	.4	.3	.4	17.7	17.6	17.6	118.3	115.3	114.9
44 Manchester	73.6	73.5	73.6	(2)	(2)	(2)	3.0	3.0	3.1	17.8	16.8	16.7
45 Nashua	63.3	64.6	64.8	(2)	(2)	(2)	2.5	2.5	2.6	30.1	30.3	30.4
46 NEW JERSEY	3,041.8	3,039.0	3,069.9	2.5	2.3	2.3	106.2	105.4	115.1	790.5	773.6	775.4
47 Atlantic City	84.7	96.3	98.1	-	-	-	5.4	4.6	4.8	8.8	8.5	8.6
48 Camden	330.2	326.3	329.1	.1	.1	.1	13.2	12.2	13.5	70.9	69.2	70.1
49 Hackensack	398.6	393.6	356.4	(1)	(1)	(1)	13.3	13.2	14.8	113.5	109.2	109.0
50 Jersey City	230.6	225.5	224.5	-	-	-	4.4	4.3	4.8	68.0	66.5	66.4
51 Long Branch—Asbury Park	157.8	161.7	164.1	(1)	(1)	(1)	6.1	7.0	7.0	24.1	25.5	25.5
52 New Bruns. Perth Amboy—Sayreville	288.8	290.0	290.1	(1)	(1)	(1)	9.6	10.4	11.0	90.4	91.5	91.4
53 Newark	942.6	937.4	943.9	.7	.8	.9	31.3	30.3	32.3	252.6	243.8	244.6
54 Paterson—Clifton—Passaic	188.5	187.3	188.2	(1)	(1)	(1)	6.2	6.6	7.0	67.8	65.6	65.5
55 Trenton	163.4	162.9	163.8	(1)	(1)	(1)	3.1	2.7	3.0	35.6	34.8	34.8
56 Vineland—Millville—Bridgeton	55.6	54.1	53.8	(1)	(1)	(1)	1.8	1.9	1.9	18.2	17.2	17.4
57 NEW MEXICO	462.9	461.7	463.6	29.0	30.7	30.7	30.4	27.3	28.2	34.5	32.8	33.0
58 Albuquerque	186.2	185.4	185.9	(1)	(1)	(1)	12.5	11.0	11.3	18.2	17.5	17.4
59 Las Cruces	30.0	30.0	29.8	-	-	-	1.6	1.7	1.8	2.6	2.5	2.4
60 NEW YORK	7,136.7	7,160.2	7,209.5	5.9	5.8	6.3	196.4	177.6	190.8	1,448.6	1,434.6	1,435.3
61 Albany—Schenectady—Troy	338.7	336.9	339.2	(1)	(1)	(1)	9.9	9.2	9.9	58.7	57.3	57.2
62 Binghamton	117.7	117.3	118.0	(1)	(1)	(1)	3.4	3.4	3.5	42.2	42.2	42.6

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			
APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	
122.1	124.1	124.5	568.6	564.3	576.2	156.6	161.7	161.6	640.7	663.2	675.7	414.8	408.2	403.1	1
73.0	74.5	74.6	320.4	315.4	319.8	108.7	111.9	112.1	429.0	438.5	449.9	215.0	208.9	207.4	2
3.8	3.7	3.6	15.4	15.0	15.7	2.0	2.0	1.9	10.2	10.6	10.9	12.2	12.3	12.1	3
2.0	1.8	1.8	11.1	11.1	11.2	2.7	2.8	2.8	9.3	9.4	9.3	7.7	7.8	7.8	4
4.6	4.7	4.7	22.0	21.5	21.8	4.0	4.2	4.1	18.3	18.6	18.4	18.0	17.6	17.6	5
3.3	3.3	3.3	15.8	15.8	15.9	2.0	2.1	2.2	12.7	12.1	12.6	12.9	12.3	12.2	6
2.5	2.6	2.6	12.3	11.6	11.9	2.0	2.0	2.0	9.8	9.5	9.9	11.1	11.1	10.8	7
9.4	9.4	9.4	48.1	47.0	47.5	13.1	13.2	13.4	45.6	45.9	46.9	45.7	45.4	45.5	8
7.2	7.3	7.3	35.5	34.2	35.9	9.0	9.3	9.3	34.0	33.6	33.7	26.5	26.6	26.6	9
150.5	148.5	148.1	728.6	720.1	729.2	155.2	156.4	156.4	642.2	656.2	660.4	638.1	627.0	623.0	10
3.0	3.2	3.2	19.2	18.4	18.4	4.3	4.2	4.2	22.7	23.0	22.9	47.1	46.6	46.6	11
2.3	2.3	2.3	10.7	10.6	10.7	3.8	3.8	3.8	11.0	11.2	11.2	12.4	12.3	12.4	12
1.7	1.7	1.7	8.3	8.2	8.3	1.2	1.3	1.3	6.8	7.2	7.3	5.8	5.7	5.7	13
80.9	79.5	79.4	361.4	362.6	367.7	88.5	90.5	90.3	348.6	354.6	353.3	254.6	247.9	247.5	14
6.1	6.3	6.2	39.9	41.1	41.2	6.6	6.5	6.5	29.1	29.9	30.2	30.1	29.2	29.2	15
11.4	11.4	11.4	61.0	61.5	62.3	10.7	10.7	10.7	49.0	49.8	49.9	33.1	34.3	33.9	18
5.1	5.2	5.1	10.2	10.2	10.2	1.8	1.7	1.8	9.2	9.4	9.3	9.1	9.3	9.1	17
3.8	3.6	3.6	21.3	21.2	21.3	3.8	3.7	3.8	21.5	21.9	21.9	21.5	21.0	20.8	18
5.7	5.6	5.6	35.3	34.8	35.2	9.4	9.4	9.4	29.4	29.1	29.7	69.3	68.3	67.4	19
3.1	3.1	3.1	11.6	11.6	11.9	1.8	1.8	1.8	9.3	9.7	9.7	10.9	11.5	11.3	20
4.8	4.8	4.8	17.9	17.6	17.6	4.1	4.0	4.0	13.6	14.3	14.3	12.1	11.9	11.9	21
99.4	97.7	(*)	440.3	424.0	(*)	93.7	95.1	(*)	368.4	370.9	(*)	310.1	309.7	(*)	22
6.6	5.7	(*)	16.3	15.4	(*)	2.2	2.2	(*)	13.1	12.5	(*)	12.8	12.0	(*)	23
64.1	63.9	(*)	267.8	266.4	(*)	65.3	70.9	(*)	239.2	246.4	(*)	161.1	165.3	(*)	24
1.9	1.9	(*)	9.8	10.2	(*)	1.4	1.4	(*)	18.6	19.1	(*)	6.2	5.8	(*)	25
3.5	3.4	(*)	13.5	13.4	(*)	1.9	1.9	(*)	9.9	9.7	(*)	12.1	11.6	(*)	26
40.7	40.7	40.8	163.2	165.0	165.6	32.6	33.0	33.0	122.1	122.9	123.5	200.0	197.3	196.8	27
9.9	9.8	9.8	34.7	34.3	34.3	11.1	11.2	11.2	28.6	28.9	29.1	35.2	34.7	34.7	28
140.1	137.2	137.7	463.6	454.4	463.2	107.4	109.4	110.0	394.0	399.3	405.8	350.0	340.6	341.7	29
52.9	51.1	51.2	159.2	153.5	156.0	43.8	43.8	43.9	131.4	131.1	134.1	95.5	93.5	93.7	30
2.2	2.1	2.1	9.0	9.0	8.9	1.9	1.9	1.9	6.9	7.0	6.9	6.1	6.2	6.3	31
70.8	69.5	69.9	228.2	220.5	222.1	56.9	55.5	56.0	212.0	213.1	215.4	141.7	137.7	138.3	32
6.5	6.4	6.4	22.7	22.3	22.9	3.4	3.4	3.4	18.7	18.6	18.7	12.2	12.2	12.2	33
22.6	23.2	23.1	71.8	70.6	71.8	12.8	12.7	12.7	55.3	56.4	57.3	70.6	71.2	71.2	34
4.7	4.8	4.8	15.9	15.5	15.6	2.3	2.3	2.2	9.8	10.2	10.3	7.8	8.0	8.0	35
1.8	1.8	1.8	9.3	9.5	9.6	2.1	2.0	2.0	7.0	7.0	7.0	5.8	6.1	6.0	36
47.8	46.4	47.0	165.6	160.6	163.1	41.9	43.0	43.1	117.5	118.5	119.8	134.6	130.3	131.1	37
7.3	7.1	7.2	22.1	21.6	21.8	7.0	7.0	7.0	17.4	17.7	18.0	29.0	27.6	29.3	38
24.3	23.7	23.9	68.4	66.6	67.5	24.9	25.3	25.5	58.3	58.9	59.4	43.3	41.9	41.5	39
23.9	25.1	25.3	77.8	83.3	84.1	17.2	18.3	18.4	167.9	167.5	169.4	58.0	59.0	58.6	40
13.1	13.7	13.7	44.4	48.6	49.0	9.8	10.5	10.6	105.0	103.7	104.2	26.4	27.2	27.1	41
8.1	8.5	8.5	23.9	25.1	25.4	6.0	6.2	6.2	42.5	41.0	42.0	16.4	17.0	16.8	42
13.8	13.8	13.7	82.7	83.7	84.2	19.3	19.8	19.8	69.0	72.9	72.5	58.1	58.1	58.0	43
4.7	4.5	4.6	18.5	18.9	18.9	6.1	6.2	6.2	14.9	15.6	15.6	8.6	8.5	8.5	44
2.0	2.0	2.0	12.0	12.5	12.5	1.9	1.9	1.9	9.1	9.5	9.5	5.7	5.9	5.9	45
193.9	188.9	188.2	668.2	660.8	671.9	155.9	155.7	156.6	596.3	627.0	637.1	528.4	525.3	523.3	46
3.9	3.8	3.9	18.5	18.0	18.5	4.7	4.6	5.0	28.1	41.6	42.1	15.3	15.2	15.2	47
15.8	14.7	14.6	85.1	85.4	86.4	16.6	16.4	16.3	66.0	67.3	68.0	62.4	61.0	60.1	48
20.8	20.4	20.3	115.3	111.7	111.6	16.5	17.3	17.5	74.9	76.2	77.5	44.3	45.6	45.7	49
27.3	24.2	24.3	44.1	43.5	43.0	8.7	8.7	8.7	31.9	32.4	32.4	46.2	45.9	44.9	50
6.0	5.9	6.1	39.3	39.4	40.6	8.0	8.0	8.0	39.9	41.9	42.7	34.3	34.0	34.2	51
22.7	23.8	23.8	66.6	65.0	65.2	9.8	10.0	10.1	39.9	42.2	42.0	49.8	47.1	46.6	52
73.7	74.7	74.2	177.7	175.7	175.9	63.8	63.8	64.0	192.4	197.2	200.3	150.3	151.1	151.7	53
6.7	6.8	6.8	39.6	39.3	39.5	9.1	9.1	9.1	33.3	33.0	33.5	25.8	26.9	26.8	54
5.5	5.4	5.3	25.3	25.4	25.8	7.4	7.5	7.7	42.0	42.5	42.7	44.4	44.6	44.5	55
3.0	2.8	2.9	8.9	8.5	8.7	2.4	2.4	2.4	8.4	8.6	8.4	12.8	12.7	12.1	56
28.3	28.9	28.9	101.8	100.4	101.5	21.0	20.9	20.9	90.6	92.4	92.6	127.3	128.3	127.8	57
11.5	11.9	11.5	46.4	45.6	45.7	10.9	10.9	11.0	43.2	44.4	44.4	43.5	44.1	44.2	58
1.2	1.2	1.2	5.4	5.3	5.3	1.2	1.2	1.2	4.1	4.1	4.1	13.9	14.0	13.8	59
428.6	428.9	430.4	1,444.7	1,436.3	1,451.3	619.1	629.4	631.4	1,686.7	1,728.0	1,743.1	1,306.8	1,319.6	1,320.7	60
15.8	15.7	15.5	67.8	67.0	67.6	15.5	15.6	15.7	70.8	71.8	72.3	100.2	100.3	101.1	61
4.5	4.5	4.4	21.4	21.4	21.7	4.0	3.9	4.0	17.9	18.5	18.5	24.2	23.4	23.3	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		
	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P
NEW YORK—Continued												
1 Buffalo	500.9	498.0	502.8	(1)	(1)	(1)	14.9	13.7	14.6	136.5	134.4	135.4
2 Elmira	36.7	36.7	37.2	(1)	(1)	(1)	1.1	.9	1.0	11.4	10.7	10.9
3 Monroe County	335.8	338.9	340.9	(1)	(1)	(1)	8.7	8.1	8.8	133.3	136.2	136.7
4 Nassau—Suffolk	912.6	909.4	919.5	(1)	(1)	(1)	35.9	33.7	36.0	168.2	166.4	166.4
5 New York—NortheasternNew Jersey	(*)	6,696.3	(*)	(*)	2.7	(*)	(*)	187.5	(*)	(*)	1,329.4	(*)
6 New York and Nassau—Suffolk	4,604.9	4,665.2	4,686.0	1.8	1.8	1.8	126.5	122.9	128.3	753.1	752.4	749.2
7 New York SMSA	3,692.3	3,755.8	3,766.5	1.5	1.6	1.5	90.6	89.2	92.3	584.9	586.0	582.8
8 New York City	3,251.9	3,312.9	3,319.3	1.2	1.2	1.2	73.2	72.8	74.5	493.2	494.1	491.1
9 Poughkeepsie	97.4	96.8	97.8	(1)	(1)	(1)	2.5	2.3	2.5	31.4	31.6	31.9
10 Rochester	411.8	413.6	416.4	(1)	(1)	(1)	10.4	10.0	10.9	153.7	156.1	156.5
11 Rockland County	80.7	81.4	82.0	(1)	(1)	(1)	2.4	2.2	2.5	15.9	15.7	15.8
12 Syracuse	261.6	256.8	259.7	(1)	(1)	(1)	8.9	8.5	8.7	59.8	58.7	59.1
13 Utica—Rome	114.5	112.6	113.9	(1)	(1)	(1)	2.4	2.2	2.5	31.6	29.4	30.0
14 Westchester County	347.7	349.4	353.0	(1)	(1)	(1)	14.3	13.6	14.7	74.6	74.9	74.6
NORTH CAROLINA												
15 Asheville	71.0	68.6	69.0	(1)	(1)	(1)	3.2	2.9	2.9	22.2	21.2	21.3
17 Charlotte—Gastonia	338.5	335.0	335.5	(1)	(1)	(1)	18.0	17.1	17.2	95.0	93.1	93.0
18 Greensboro—Winston-Salem—HighPt.	387.4	387.3	389.1	(1)	(1)	(1)	16.8	16.4	16.9	150.4	150.1	150.4
19 Raleigh—Durham	273.9	271.6	271.8	(1)	(1)	(1)	14.1	12.3	12.4	44.7	43.8	43.8
NORTH DAKOTA												
20 Fargo—Moorhead	244.5	241.3	245.2	7.2	9.3	9.5	14.7	11.9	13.4	15.7	14.4	14.9
	62.2	61.5	62.1	(2)	(2)	(2)	3.4	2.7	3.0	4.8	4.4	4.6
OHIO												
22 Akron	266.1	258.7	260.8	(*)	(*)	(*)	7.7	6.5	7.0	81.4	77.9	78.1
24 Canton	159.8	153.2	155.2	(*)	(*)	(*)	5.4	4.7	5.1	58.0	53.9	54.3
25 Cincinnati	608.3	599.6	607.5	(*)	(*)	(*)	25.4	23.8	24.9	166.1	161.8	162.3
26 Cleveland	910.7	886.9	896.4	(*)	(*)	(*)	32.4	28.8	31.0	261.3	249.7	250.6
27 Columbus	513.2	513.6	517.8	(*)	(*)	(*)	19.9	18.0	19.3	97.3	94.8	94.5
28 Dayton	359.4	355.8	357.5	(*)	(*)	(*)	12.5	11.3	11.9	102.5	100.3	100.1
29 Toledo	293.3	292.2	295.6	(*)	(*)	(*)	11.9	11.7	12.7	74.1	75.8	76.4
30 Youngstown—Warren	207.2	194.9	199.9	(*)	(*)	(*)	6.6	6.1	6.5	74.2	66.5	69.7
OKLAHOMA												
31 Enid	25.4	25.8	26.0	1.8	2.1	2.2	1.8	1.7	1.7	2.9	3.0	3.0
33 Lawton	29.5	29.1	29.2	(1)	(1)	(1)	1.6	1.6	1.6	2.9	2.8	2.8
34 Oklahoma City	398.0	414.6	418.8	17.0	19.4	19.6	19.7	21.7	22.4	56.3	55.6	55.5
35 Tulsa	303.0	313.3	315.4	20.9	22.8	23.0	17.2	17.5	17.9	62.8	64.3	64.8
OREGON												
36 Eugene—Springfield	103.0	100.8	100.9	(1)	(1)	(1)	4.4	4.0	4.0	18.9	18.6	18.3
38 Jackson County				(1)	(1)	(1)				6.7	6.9	6.9
39 Portland	560.0	543.3	543.0	(1)	(1)	(1)	24.6	21.2	21.2	114.9	110.6	110.1
40 Salem	87.6	84.4	84.1	(1)	(1)	(1)	4.3	3.8	3.8	12.1	11.5	11.3
PENNSYLVANIA												
42 Allentown—Bethlehem—Easton	266.7	261.7	262.7	(1)	(1)	(1)	8.5	8.1	8.5	109.5	105.9	105.9
43 Altoona	51.1	49.2	49.8	(1)	(1)	(1)	2.2	2.2	2.2	12.8	12.4	12.6
44 Delaware Valley	1,589.9	1,574.5	1,577.7	(1)	(1)	(1)	60.3	58.5	60.3	375.3	362.4	362.3
45 Erie	114.9	111.3	111.1	(1)	(1)	(1)	2.7	2.8	3.1	43.4	41.0	40.4
46 Harrisburg	221.4	219.9	222.4	(1)	(1)	(1)	8.6	6.5	7.4	42.4	42.2	42.4
47 Johnstown	87.0	81.9	77.6	8.8	7.9	3.0	2.6	2.0	2.2	19.2	17.3	17.3
48 Lancaster	154.8	152.5	154.5	(1)	(1)	(1)	7.0	6.5	6.5	59.8	58.7	59.2
49 Northeast Pennsylvania	240.1	238.4	240.0	1.2	1.2	1.2	10.3	10.2	11.3	72.2	71.5	71.4
50 Philadelphia SMSA	1,919.5	1,900.8	1,909.2	(1)	(1)	(1)	73.5	70.8	73.7	446.1	431.6	432.4
51 Philadelphia City	784.0	782.3	781.9	(1)	(1)	(1)	19.2	20.0	19.8	135.8	133.0	132.2
52 Pittsburgh	959.1	940.6	944.1	10.5	10.1	4.5	45.1	40.6	44.1	246.5	238.9	240.8
53 Reading	138.4	140.1	140.2	(1)	(1)	(1)	4.9	5.0	5.0	53.2	53.8	53.8
54 Scranton	86.6	85.4	85.8	(1)	(1)	(1)	2.0	2.0	2.5	28.2	28.3	28.1
55 Wilkes-Barre—Hazleton	124.4	123.8	125.0	1.1	1.1	1.1	7.1	7.1	7.7	39.0	38.6	38.5
56 Williamsport	45.7	46.3	46.5	(1)	(1)	(1)	1.3	1.2	1.3	15.1	16.0	15.9
57 York	157.3	154.7	155.5	(1)	(1)	(1)	6.6	6.1	6.4	66.4	64.8	64.6
RHODE ISLAND												
58 Providence—Warwick—Pawtucket	398.2	392.9	396.4	(1)	(1)	(1)	12.3	11.3	12.3	129.7	125.0	125.6
	405.9	400.2	403.5	(1)	(1)	(1)	12.5	11.5	12.6	144.0	137.8	138.5
SOUTH CAROLINA												
60 Charleston—North Charleston	148.8	150.2	150.9	(1)	(1)	(1)	12.0	11.0	10.9	19.9	20.6	20.6
62 Columbia	180.8	180.1	180.3	(1)	(1)	(1)	8.2	8.4	8.4	27.9	27.3	27.3
63 Greenville—Spartanburg	266.6	263.2	263.9	(1)	(1)	(1)	16.8	16.8	17.1	106.9	102.0	102.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	
27.6	25.8	26.5	111.8	111.5	113.0	22.2	22.4	22.4	100.0	102.5	103.3	87.9	87.8	87.7	1
1.4	1.3	1.3	8.2	8.7	8.8	1.0	1.1	1.1	7.1	7.4	7.4	6.8	6.5	6.7	2
10.3	10.1	10.2	59.2	58.8	58.9	14.2	14.2	14.3	67.7	69.8	70.2	42.3	41.6	41.8	3
38.7	39.3	39.3	235.0	237.3	240.6	51.6	51.8	51.9	202.0	203.5	206.8	181.3	177.4	178.5	4
(*)	471.5	(*)	(*)	1,380.1	(*)	(*)	633.5	(*)	(*)	1,604.3	(*)	(*)	1,087.3	(*)	5
316.9	319.7	320.3	943.6	946.5	952.0	515.0	524.8	526.2	1,190.3	1,222.4	1,232.7	757.8	774.6	775.4	6
278.2	280.5	281.0	708.6	709.2	711.4	463.4	473.0	474.3	988.5	1,019.2	1,026.1	576.5	597.2	597.0	7
255.0	257.1	257.5	607.8	606.4	608.0	442.1	451.6	452.8	882.6	911.3	915.9	496.8	518.4	518.3	8
2.9	2.9	2.8	16.0	16.0	16.1	2.7	2.7	2.7	17.8	17.6	18.0	24.1	23.7	23.7	9
12.8	12.6	12.6	75.9	75.2	75.6	15.9	15.8	16.0	79.6	80.8	81.5	63.5	63.0	63.3	10
3.5	3.5	3.5	17.6	18.0	18.0	2.6	2.5	2.5	17.7	18.1	18.3	21.0	21.4	21.4	11
14.9	14.6	14.7	56.5	55.2	56.1	16.1	16.5	16.6	54.2	53.2	53.7	51.2	50.2	50.8	12
3.9	3.9	3.9	21.5	21.3	21.7	5.4	5.4	5.4	20.7	21.2	21.3	29.0	29.1	29.0	13
19.2	19.3	19.4	80.4	81.9	82.3	18.3	18.4	18.5	85.7	87.2	89.4	55.3	54.1	53.9	14
116.9	116.9	116.6	466.9	467.3	470.3	94.2	95.6	95.8	339.4	347.0	351.7	423.0	425.2	423.8	15
3.6	3.6	3.6	14.7	14.6	14.8	2.1	2.1	2.1	12.5	12.2	12.3	12.7	12.0	12.0	16
31.2	31.1	31.0	83.2	82.3	81.9	21.0	21.0	21.1	52.6	52.7	53.8	37.5	37.7	37.5	17
21.8	21.1	21.2	76.8	75.7	76.2	17.9	18.1	18.2	56.1	58.0	58.5	47.6	47.9	47.7	18
13.3	13.8	13.8	52.4	51.2	51.6	15.5	15.6	15.7	57.6	58.0	58.3	76.3	76.9	76.2	19
16.6	16.8	16.9	67.1	64.8	66.2	11.3	11.8	11.8	49.1	50.5	50.8	62.8	61.8	61.7	20
3.9	3.9	3.9	19.1	18.8	19.0	3.8	3.8	3.8	13.9	14.3	14.4	13.3	13.6	13.4	21
226.0	217.7	219.4	968.7	943.1	957.5	203.8	206.6	206.8	831.1	835.7	853.1	702.4	697.4	694.0	22
14.3	13.7	13.6	57.3	55.3	56.3	9.3	9.2	9.2	49.9	50.3	51.1	45.8	45.5	45.3	23
7.4	6.9	7.0	33.4	32.1	32.7	6.1	6.3	6.3	29.0	29.3	29.9	19.3	18.9	18.9	24
34.0	33.3	33.3	142.2	138.5	141.2	32.4	33.0	33.2	121.8	122.1	125.9	86.0	86.8	86.1	25
47.1	44.1	45.4	209.2	203.8	206.3	48.2	48.6	48.6	187.9	188.9	191.4	123.1	121.7	121.9	26
24.6	24.6	24.6	121.4	121.3	123.1	37.5	39.2	39.4	105.0	108.6	110.1	106.5	106.5	106.0	27
13.1	13.2	13.2	74.4	71.3	72.4	13.4	13.6	13.6	72.8	74.9	75.7	70.3	70.8	70.3	28
20.1	19.4	19.6	67.4	65.2	66.0	10.7	10.9	11.0	59.9	60.3	61.4	48.7	48.2	48.1	29
9.7	9.1	9.2	43.3	43.3	44.4	7.1	7.2	7.2	37.8	38.0	38.8	26.1	24.4	23.7	30
67.9	68.4	69.2	263.2	273.9	275.8	56.0	57.2	57.5	196.7	209.1	211.9	228.9	229.1	227.6	31
2.7	2.8	2.8	6.9	6.9	7.0	1.1	1.1	1.1	4.4	4.5	4.5	3.8	3.7	3.7	32
1.3	1.3	1.3	7.2	7.0	7.1	1.2	1.4	1.3	4.5	4.4	4.4	10.8	10.6	10.7	33
22.9	24.2	25.1	96.7	102.3	103.3	24.5	25.1	25.2	72.5	77.7	79.1	88.4	88.6	88.6	34
23.8	24.1	24.2	70.0	72.3	72.6	15.4	15.5	15.7	59.2	63.8	64.2	33.7	33.0	33.0	35
60.1	59.0	59.4	253.8	247.1	250.7	69.3	67.5	67.0	193.6	191.0	191.4	210.9	203.3	201.4	36
5.1	5.2	5.2	25.9	25.0	25.2	5.4	5.2	5.2	20.0	19.9	20.0	23.3	22.9	23.0	37
36.6	35.4	35.7	141.3	137.8	139.1	45.3	45.3	45.4	112.1	111.8	110.9	85.2	81.2	80.6	38
2.8	2.8	2.8	19.3	18.8	18.8	5.4	5.4	5.4	15.3	14.6	14.5	28.4	27.5	27.5	39
266.8	255.3	254.2	982.3	968.7	978.5	234.9	237.9	239.5	967.0	976.0	983.3	742.8	735.6	734.9	40
14.2	13.7	14.0	51.1	49.2	49.3	5.4	5.4	5.4	44.0	45.3	45.5	30.0	29.8	29.7	41
7.0	6.4	6.4	11.1	10.6	10.7	1.5	1.5	1.6	8.8	8.4	8.7	7.7	7.7	7.6	42
83.2	81.4	80.3	329.0	323.9	326.4	107.8	109.7	110.7	393.3	401.4	402.2	241.0	237.2	235.5	43
5.3	5.3	5.4	22.0	21.7	21.9	4.9	5.0	5.0	22.2	22.7	22.7	14.4	12.8	12.6	44
17.0	15.8	15.8	45.0	44.6	45.0	12.9	13.1	13.1	38.4	39.8	40.8	57.1	57.9	57.9	45
5.3	4.5	4.5	16.4	15.8	15.9	3.9	4.0	4.0	16.1	15.5	15.7	14.7	14.9	15.0	46
6.3	6.1	6.1	34.1	32.9	34.4	5.4	5.7	5.7	26.2	27.1	27.1	16.0	15.5	15.5	47
13.0	13.2	13.0	49.3	49.0	49.3	9.6	9.8	9.8	43.9	43.3	43.8	40.6	40.2	40.2	48
98.7	96.0	94.9	414.1	409.3	412.7	124.4	126.1	127.1	459.3	468.7	472.7	303.4	298.3	295.7	49
53.0	50.2	49.2	145.5	142.9	144.2	66.4	66.6	67.4	216.4	222.0	220.2	147.7	147.6	148.9	50
60.9	57.6	57.4	208.3	208.0	210.4	45.8	45.2	45.5	215.8	216.3	217.6	126.2	124.2	123.8	51
6.3	6.2	6.2	27.5	27.8	27.6	6.0	6.2	6.3	23.1	23.5	23.8	17.4	17.6	17.5	52
4.1	4.3	4.2	18.8	18.4	18.4	3.5	3.6	3.6	17.7	16.8	17.1	12.3	12.0	11.9	53
7.1	7.0	7.1	25.4	25.6	26.0	5.1	5.1	5.1	19.4	19.2	19.5	20.2	20.1	20.0	54
2.4	2.4	2.4	9.9	9.9	10.0	2.1	2.2	2.2	8.0	8.0	8.1	6.9	6.6	6.6	55
7.4	7.2	7.3	32.8	33.4	33.7	3.9	3.7	3.7	21.5	21.6	21.7	18.7	17.9	18.1	56
13.0	13.2	13.3	80.0	79.5	80.4	20.8	20.8	20.8	82.3	83.4	84.7	60.1	59.7	59.3	57
12.9	13.2	13.3	79.7	80.0	80.9	20.8	20.9	20.9	79.5	80.8	81.6	56.5	56.0	55.7	58
52.8	53.6	54.2	222.7	221.3	225.2	47.2	47.9	48.2	160.1	160.0	162.3	244.3	244.2	243.5	59
8.8	9.2	9.5	31.3	31.5	32.0	6.4	6.4	6.5	23.8	24.8	25.1	46.6	46.7	46.3	60
9.4	9.6	9.6	37.7	37.4	37.6	13.8	14.3	14.4	27.2	27.1	27.1	56.6	56.0	55.9	61
10.1	10.0	10.0	50.8	51.7	51.8	9.3	9.4	9.4	36.6	37.4	37.5	36.1	35.9	35.9	62

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P
1 SOUTH DAKOTA	237.5	230.2	233.0	2.9	2.7	2.8	10.2	7.6	8.5	26.7	25.3	25.5
2 Rapid City	31.6	31.2	31.4	(2)	(2)	(2)	2.1	1.7	1.8	3.0	3.1	3.1
3 Sioux Falls	54.0	53.6	54.0	(2)	(2)	(2)	2.5	1.9	1.9	7.7	7.8	7.9
4 TENNESSEE	1,752.2	1,713.4	1,720.0	5.6	10.0	10.1	77.2	66.4	68.5	512.1	507.0	511.3
5 Chattanooga	169.9	166.2	166.3	1.6	1.2	1.2	6.5	6.2	6.3	51.2	49.2	49.2
8 Knoxville	(*)	199.2	199.6	(*)	1.7	1.7	(*)	10.1	10.4	(*)	52.3	52.3
7 Memphis	357.3	356.6	357.2	.2	.1	.1	15.6	15.1	15.0	58.6	59.0	59.3
8 Nashville—Davidson	359.6	355.2	356.5	(1)	(1)	(1)	17.9	16.1	16.7	80.1	80.5	80.7
9 TEXAS	5,796.0	6,049.9	6,070.9	227.8	259.0	261.0	427.2	426.8	424.3	1,043.6	1,072.6	1,073.0
10 Abilene	55.4	56.5	56.9	3.9	4.4	4.4	3.2	2.9	3.0	5.7	5.6	5.7
11 Amarillo	75.7	75.4	75.6	(1)	(1)	(1)	4.3	3.9	4.1	10.0	10.1	10.1
12 Austin	241.9	247.4	247.9	(1)	(1)	(1)	13.9	14.5	14.7	30.2	30.8	30.6
13 Beaumont—Port Arthur Orange	144.0	153.0	149.0	(1)	(1)	(1)	12.7	10.8	6.3	33.8	43.5	43.5
14 Corpus Christi	125.8	125.3	126.4	6.5	6.1	6.2	13.9	12.5	12.9	16.1	16.6	16.5
15 Dallas—Fort Worth	1,448.1	1,502.7	1,512.0	24.2	26.9	27.0	84.5	88.9	90.6	319.0	322.6	322.6
16 El Paso	161.9	163.1	163.8	(1)	(1)	(1)	8.4	7.7	7.9	36.3	36.2	36.7
17 Galveston—Texas City	69.2	71.6	72.1	(1)	(1)	(1)	5.1	4.5	4.5	10.5	12.4	12.4
18 Houston	1,429.8	1,479.2	1,481.6	75.8	84.7	85.2	145.6	145.6	144.7	237.7	251.2	251.3
19 Longview—Marshall	64.8	65.2	65.6	(1)	(1)	(1)	4.7	4.6	4.7	18.7	19.3	19.3
20 Lubbock	89.6	89.2	89.4	(1)	(1)	(1)	4.2	4.2	4.2	13.6	12.0	11.7
21 Midland	41.3	44.1	44.4	10.1	11.7	11.7	3.1	2.8	2.8	3.8	3.7	3.7
22 Odessa	51.7	55.5	55.8	7.7	8.5	8.5	4.2	5.0	5.0	7.1	7.8	8.0
23 San Angelo	35.1	36.0	36.2	.8	.9	.9	2.1	2.2	2.2	6.6	6.3	6.3
24 San Antonio	396.6	403.4	405.7	2.4	2.9	2.9	27.7	28.1	28.8	50.6	52.3	52.5
25 Sherman—Denison	36.7	37.0	37.2	.2	.2	.2	1.8	1.8	1.9	13.9	13.3	13.2
26 Waco	71.3	72.7	73.0	(1)	(1)	(1)	3.5	3.5	3.5	16.4	16.9	17.0
27 Wichita Falls	52.3	53.2	53.6	3.1	3.3	3.4	2.7	2.4	2.4	9.3	9.8	10.0
28 UTAH	551.0	556.2	555.1	18.5	19.7	16.6	30.0	27.2	28.2	88.0	89.3	89.4
29 Salt Lake City—Ogden	389.5	393.4	394.9	7.7	7.8	7.8	20.5	18.4	19.1	60.1	61.3	61.6
30 VERMONT	196.9	204.2	200.8	.7	.7	.7	8.6	7.9	8.7	51.5	50.2	50.4
31 Burlington ¹³	56.8	58.1	58.7	-	-	-	-	-	-	14.4	15.1	15.3
32 Springfield ¹³	14.3	14.3	14.1	-	-	-	-	-	-	6.3	6.3	6.3
33 VIRGINIA	2,108.1	2,118.1	2,122.7	23.9	23.9	13.4	122.9	110.9	113.9	412.2	408.8	408.4
34 Bristol	28.7	28.2	28.9	(1)	(1)	(1)	1.3	1.2	1.4	9.6	8.9	9.3
35 Lynchburg	72.2	71.3	71.6	(1)	(1)	(1)	3.4	3.2	3.3	29.3	29.0	29.0
36 Newport News—Hampton	150.1	153.4	156.8	(1)	(1)	(1)	7.2	6.9	7.2	33.8	35.9	35.6
37 Norfolk—Virginia Beach—Portsmouth	282.6	284.5	286.6	(1)	(1)	(1)	16.0	15.2	15.6	28.2	28.8	28.6
38 Northern Virginia ¹⁴	426.1	436.2	439.2	.4	.4	.4	26.4	27.2	28.4	17.0	17.7	17.6
39 Petersburg—Colonial Hghts—Holyoke	48.9	46.2	46.4	(1)	(1)	(1)	3.4	2.1	2.2	12.2	11.6	11.6
40 Richmond	325.8	328.2	330.7	.4	.4	.3	16.5	15.8	16.0	55.5	56.0	56.1
41 Roanoke	104.8	103.2	103.3	.1	.1	.1	6.0	5.1	5.4	21.0	21.0	20.9
42 WASHINGTON	1,615.0	1,589.9	1,596.0	3.1	2.7	3.2	94.1	88.1	88.8	306.2	297.7	298.5
43 Seattle—Everett	783.9	784.5	784.5	(1)	(1)	(1)	40.5	36.5	36.5	174.5	171.8	171.1
44 Spokane	129.4	125.7	126.8	(1)	(1)	(1)	6.8	5.4	5.7	17.2	16.5	16.6
45 Tacoma	141.6	141.1	142.0	(1)	(1)	(1)	7.1	6.3	6.5	22.2	22.5	23.1
46 WEST VIRGINIA	646.4	637.2	589.2	65.3	66.7	18.9	35.6	28.8	31.3	119.0	114.5	114.0
47 Charleston	117.3	113.9	108.9	7.2	6.9	2.0	6.7	5.5	5.8	18.3	17.2	16.9
48 Huntington—Ashland	105.6	102.7	102.5	1.1	1.1	.6	5.0	4.0	4.4	28.2	24.9	25.2
49 Parkersburg—Marietta	59.1	57.7	57.8	.9	.9	.9	3.5	3.1	3.1	17.3	16.9	16.9
50 Wheeling	66.3	64.1	60.6	5.8	5.2	1.1	3.0	2.3	2.5	12.0	12.0	12.0
51 WISCONSIN	1,936.8	1,909.0	1,935.8	2.4	1.9	2.1	63.6	60.5	65.2	566.8	532.8	545.4
52 Appleton—Oshkosh	126.6	123.6	124.6	(1)	(1)	(1)	5.6	5.7	5.9	48.4	45.2	45.5
53 Eau Claire	47.4	48.1	48.9	(1)	(1)	(1)	1.4	1.8	2.0	8.8	8.7	8.8
54 Green Bay	77.2	77.1	78.1	(1)	(1)	(1)	2.9	2.6	2.9	21.0	20.9	21.1
55 Janesville—Beloit	47.5	46.2	52.5	(1)	(1)	(1)	1.7	1.8	2.0	15.9	15.0	20.8
56 Kenosha	45.5	37.9	41.9	(1)	(1)	(1)	2.7	1.9	1.9	19.1	12.3	16.3
57 La Crosse	45.2	45.5	46.3	(1)	(1)	(1)	1.5	1.3	1.6	11.1	10.7	10.8
58 Madison	168.7	169.9	171.2	(1)	(1)	(1)	6.0	6.1	7.0	19.8	19.8	19.8
59 Milwaukee	675.7	669.2	670.5	(1)	(1)	(1)	19.0	19.4	20.5	213.4	199.1	199.3
60 Racine	70.1	68.5	68.6	(1)	(1)	(1)	1.5	1.5	1.5	31.4	29.9	29.9
61 WYOMING	200.1	201.3	202.4	33.6	36.0	36.2	17.7	17.0	17.5	9.9	10.9	10.9
62 Casper	38.1	38.7	38.4	6.9	6.6	6.4	3.5	3.4	3.5	1.9	1.8	1.8
63 Cheyenne	29.6	28.7	28.4	(1)	(1)	(1)	2.0	2.1	2.2	1.7	1.6	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			
APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	
13.4	13.3	13.2	64.8	61.7	62.7	10.9	11.0	11.0	49.7	49.5	50.3	58.9	59.1	59.0	1
1.9	1.9	1.9	9.0	8.7	8.9	1.5	1.5	1.5	6.7	6.9	6.9	7.4	7.4	7.3	2
4.9	4.7	5.0	16.0	15.8	15.8	3.3	3.4	3.4	12.7	13.3	13.2	6.9	6.7	6.8	3
86.8	81.3	80.4	376.8	366.2	366.8	77.9	76.7	76.4	287.5	284.4	288.2	324.3	321.4	318.3	4
7.2	7.1	7.2	32.8	32.2	32.3	9.3	9.3	9.3	28.0	27.4	27.3	33.6	33.6	33.5	5
(*)	8.1	8.1	(*)	41.2	41.7	(*)	8.2	8.2	(*)	31.4	31.4	(*)	46.2	45.8	6
27.5	26.4	26.2	95.8	96.5	96.4	19.1	19.2	19.2	72.7	73.0	73.6	67.8	67.3	67.4	7
19.5	18.2	18.2	81.0	79.6	79.4	24.3	24.2	24.1	71.5	72.2	73.2	65.3	64.4	64.2	8
363.2	374.9	376.5	1,412.5	1,445.0	1,461.0	330.6	348.7	349.4	1,008.1	1,062.1	1,066.9	983.0	1,060.8	1,058.8	9
3.1	3.2	3.2	14.6	15.5	15.4	2.5	2.7	2.8	12.7	12.7	12.8	9.7	9.5	9.6	10
7.2	7.3	7.3	22.8	22.3	22.2	3.8	3.6	3.7	14.9	15.4	15.4	12.7	12.8	12.8	11
7.2	7.2	7.5	50.8	51.7	51.9	14.5	15.1	15.0	44.0	44.6	44.7	81.3	83.5	83.5	12
11.5	12.3	12.1	33.9	33.1	33.6	5.4	5.7	5.7	26.1	27.5	27.9	20.6	20.1	19.9	13
7.6	7.5	7.5	28.8	29.2	29.6	5.7	5.6	5.6	20.7	21.5	21.8	26.5	26.3	26.3	14
93.4	95.7	96.0	379.9	397.6	399.5	107.8	113.5	113.9	256.1	270.7	276.3	183.2	186.8	186.1	15
10.9	11.0	11.1	39.4	39.3	39.1	7.2	7.3	7.4	25.6	25.1	25.2	34.1	36.5	36.4	18
6.6	6.6	6.9	13.8	14.0	14.3	4.5	4.6	4.7	10.9	11.2	11.3	17.8	18.1	18.0	17
101.9	105.3	104.9	346.4	347.8	347.4	86.6	90.8	91.3	273.3	287.0	289.7	162.5	166.8	167.1	18
3.6	3.6	3.6	15.0	14.7	14.9	2.3	2.4	2.4	13.0	13.1	13.1	7.5	7.5	7.6	19
5.2	5.0	4.9	26.2	26.6	26.8	4.6	4.8	4.9	16.5	17.2	17.3	19.3	19.4	19.6	20
2.4	2.4	2.4	9.1	9.7	9.8	2.2	2.4	2.5	6.0	6.7	6.8	4.6	4.7	4.7	21
2.4	2.5	2.6	15.5	16.3	16.3	1.9	2.0	2.0	6.4	6.8	6.9	6.5	6.6	6.5	22
3.2	3.4	3.4	8.1	8.4	8.5	1.5	1.6	1.6	6.6	6.8	6.9	6.2	6.4	6.4	23
18.3	18.5	18.5	98.2	97.8	98.6	26.3	27.7	27.8	78.7	81.8	82.2	94.4	94.3	94.4	24
2.3	2.5	2.5	7.0	7.0	7.1	1.2	1.3	1.3	5.5	5.9	6.0	4.8	5.0	5.0	25
3.4	3.5	3.5	17.4	17.1	17.3	4.0	4.3	4.3	15.0	15.6	15.7	11.6	11.8	11.7	26
2.6	2.7	2.7	13.1	13.3	13.3	2.3	2.4	2.4	8.1	8.2	8.3	11.1	11.1	11.1	27
34.4	34.8	35.0	127.3	128.0	128.4	25.6	26.1	26.0	99.8	101.3	101.9	127.4	129.7	129.6	28
27.3	27.4	27.5	94.7	95.5	95.6	20.6	20.9	20.9	68.2	69.6	70.1	90.5	92.5	92.4	29
8.8	8.5	8.7	40.0	41.2	41.0	8.0	8.4	8.3	41.3	48.5	44.6	38.0	38.8	38.4	30
2.4	2.3	2.3	11.9	11.9	12.0	-	-	-	11.9	12.4	12.7	-	-	-	31
.7	.7	.7	2.1	2.0	2.0	-	-	-	2.4	2.6	2.4	-	-	-	32
114.8	114.1	114.1	437.3	446.0	451.3	104.6	106.6	107.6	382.5	391.9	398.0	509.9	515.9	516.0	33
1.2	1.3	1.3	6.6	6.7	6.8	1.0	1.0	1.0	3.8	3.7	3.7	5.2	5.4	5.4	34
2.7	2.6	2.6	11.8	11.3	11.4	3.5	3.6	3.6	11.1	11.0	11.1	10.4	10.6	10.6	35
5.2	5.2	5.2	28.2	28.7	29.4	5.0	5.0	5.1	28.0	28.5	31.0	42.7	43.2	43.3	36
19.1	18.9	19.1	68.0	69.7	70.8	14.7	14.6	14.7	53.7	56.2	56.9	82.9	81.1	80.9	37
28.5	28.9	28.9	96.7	99.0	99.4	26.8	27.5	27.6	111.5	114.0	114.9	118.8	121.5	122.0	38
1.6	1.5	1.5	8.3	8.1	8.1	1.3	1.2	1.3	6.1	6.5	6.5	16.0	15.2	15.2	39
19.5	20.0	20.1	72.4	74.0	74.7	26.9	26.8	26.8	59.2	59.6	61.2	75.4	75.6	75.5	40
10.0	9.5	9.2	25.7	25.3	25.5	6.2	6.3	6.3	19.7	19.8	20.0	16.1	16.1	15.9	41
91.1	87.9	88.4	383.2	372.9	376.0	91.2	92.3	92.6	307.5	314.4	315.9	338.6	333.9	332.6	42
53.4	53.2	53.4	186.3	185.9	186.2	55.5	57.2	57.4	152.6	158.7	159.6	121.1	121.2	120.3	43
8.0	7.8	7.8	35.3	34.2	34.6	8.0	8.3	8.3	29.4	30.0	30.5	24.7	23.5	23.3	44
6.9	6.8	6.9	32.7	32.6	32.7	7.1	7.5	7.5	31.5	31.9	32.1	34.1	33.5	33.2	45
43.1	42.6	41.2	128.6	131.1	131.0	21.8	22.2	22.1	97.6	97.8	98.1	135.3	133.6	132.5	48
10.0	9.7	9.6	26.7	26.3	26.4	5.1	5.0	5.1	20.3	20.4	20.4	23.0	23.0	22.9	47
9.9	9.9	9.1	23.3	25.1	25.3	3.8	3.8	3.7	15.4	15.1	15.4	18.9	19.0	18.9	48
2.5	2.5	2.5	12.8	12.6	12.6	2.0	2.1	2.1	10.2	10.1	10.0	9.9	9.8	9.7	49
3.9	3.7	3.7	15.7	15.1	15.2	2.8	2.7	2.8	13.7	13.8	13.9	9.5	9.3	9.3	50
91.7	90.2	91.5	430.1	427.5	433.6	92.3	94.0	94.4	359.3	373.3	374.7	330.7	329.0	328.8	51
4.4	4.4	4.3	25.7	25.0	25.5	5.3	5.5	5.5	20.4	21.0	21.3	16.8	16.8	16.6	52
2.6	2.6	2.6	12.6	12.8	13.1	1.6	1.6	1.6	9.7	10.0	10.2	10.7	10.6	10.6	53
5.8	5.9	5.7	19.5	19.4	19.9	2.4	2.4	2.4	14.9	15.5	15.5	10.8	10.5	10.6	54
1.9	2.0	2.1	11.2	10.8	11.0	1.3	1.3	1.3	8.7	8.1	8.2	6.7	7.2	7.0	55
1.2	1.1	1.1	8.0	7.9	8.0	1.1	1.1	1.1	7.7	7.8	7.7	5.9	5.8	5.8	58
2.4	2.3	2.3	11.4	12.1	12.3	1.1	1.1	1.1	9.9	10.7	10.9	7.8	7.2	7.3	57
6.2	6.4	6.2	34.9	34.9	35.3	12.5	12.7	12.7	31.0	31.9	32.0	58.4	58.0	58.1	58
34.4	33.9	33.9	143.2	142.5	142.5	39.2	39.5	39.6	139.7	146.9	147.5	86.9	88.0	87.2	59
2.3	2.3	2.3	12.7	12.3	12.4	2.2	2.1	2.2	11.4	11.5	11.4	8.6	8.9	8.9	80
17.0	18.0	18.3	43.8	40.5	40.0	7.2	7.3	7.3	28.2	28.0	28.8	42.7	43.6	43.4	81
2.8	3.3	3.3	10.4	9.8	9.8	1.7	1.9	1.9	5.6	5.9	5.8	5.3	6.0	5.9	82
4.4	4.4	4.1	6.8	6.1	6.0	1.5	1.5	1.5	4.6	4.3	4.4	8.6	8.7	8.6	83

**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		
	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P
1 PUERTO RICO	(*)	(*)	(*)	.9	.9	(*)	40.9	36.4	(*)	(*)	(*)	(*)
2 Caguas	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
3 Mayaguez	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
4 Ponce	(*)	(*)	(*)	(*)	(*)	(*)	4.0	2.9	(*)	(*)	(*)	(*)
5 San Juan	(*)	(*)	(*)	(*)	(*)	(*)	28.6	25.1	(*)	(*)	(*)	(*)
8 VIRGIN ISLANDS.....	37.4	36.9	36.7	(2)	(2)	(2)	3.3	2.7	2.7	3.2	3.2	3.1

- 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			
APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	
17.7	17.4	(*)	113.5	113.3	(*)	26.7	27.9	(*)	85.1	85.5	(*)	263.6	261.5	(*)	1
(*)	(*)	(*)	5.5	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	13.1	12.4	(*)	2
(*)	(*)	(*)	5.6	5.7	(*)	(*)	(*)	(*)	(*)	(*)	(*)	16.5	15.6	(*)	3
(*)	(*)	(*)	7.7	7.9	(*)	(*)	(*)	(*)	(*)	(*)	(*)	20.0	18.5	(*)	4
14.2	(*)	(*)	71.5	71.6	(*)	20.1	20.8	(*)	55.8	(*)	(*)	124.0	124.4	(*)	5
2.0	2.1	2.1	7.7	7.6	7.5	1.5	1.6	1.6	6.2	6.2	6.0	13.5	13.5	13.7	6

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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
-	TOTAL PRIVATE	\$228.55	\$229.95	\$249.92	\$250.98	\$252.03	\$6.53	\$6.57	\$7.10	\$7.13	\$7.16
-	MINING	389.48	387.72	416.09	422.82	423.89	9.10	9.08	9.86	9.72	9.70
10	METAL MINING	413.00	414.33	457.85	458.28	-	10.00	10.18	11.14	11.26	-
101	Iron ores	423.72	451.95	482.26	482.79	-	10.36	11.05	11.82	11.98	-
102	Copper ores	434.09	432.85	481.62	484.04	-	10.46	10.38	11.44	11.58	-
11, 12	COAL MINING	433.40	426.58	417.28	441.16	-	11.00	10.91	11.37	11.37	-
12	BITUMINOUS COAL AND LIGNITE MINING	434.58	427.75	418.38	443.50	-	11.03	10.94	11.40	11.46	-
13	OIL AND GAS EXTRACTION	375.20	376.26	421.23	428.00	-	8.36	8.38	9.34	9.49	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	400.89	393.01	440.84	443.22	-	9.66	9.68	10.70	10.68	-
138	Oil and gas field services	367.16	369.81	414.39	422.73	-	7.93	7.97	8.95	9.15	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	313.42	321.47	342.40	349.86	-	7.32	7.39	8.00	8.08	-
142	Crushed and broken stone	314.75	312.49	328.75	336.16	-	7.01	7.07	7.61	7.71	-
-	CONSTRUCTION	355.62	360.51	388.74	385.24	388.93	9.69	9.77	10.45	10.44	10.54
15	GENERAL BUILDING CONTRACTORS	324.54	331.78	345.21	341.37	-	9.04	9.14	9.51	9.43	-
152	Residential building construction	302.02	315.15	319.15	315.77	-	8.58	8.73	8.99	8.87	-
153	Operative builders	293.58	293.23	301.18	311.22	-	8.11	7.99	8.32	8.48	-
154	Nonresidential building construction	345.80	348.12	372.86	366.37	-	9.50	9.59	10.05	10.01	-
16	HEAVY CONSTRUCTION CONTRACTORS	353.36	361.30	395.85	394.99	-	8.79	9.01	9.75	9.85	-
161	Highway and street construction	331.28	342.34	349.57	362.07	-	8.20	8.58	8.61	8.94	-
162	Heavy construction, except highway	362.50	370.12	411.68	408.40	-	9.04	9.23	10.14	10.21	-
17	SPECIAL TRADE CONTRACTORS	371.96	375.48	405.86	401.40	-	10.39	10.43	11.15	11.15	-
171	Plumbing, heating, air conditioning	389.41	395.25	420.74	419.25	-	10.44	10.54	11.19	11.21	-
172	Painting, paper hanging, decorating	329.79	331.20	355.21	351.54	-	9.53	9.60	10.12	10.16	-
173	Electrical work	434.32	436.61	473.86	472.50	-	11.49	11.52	12.47	12.50	-
174	Masonry, stonework, and plastering	345.78	356.38	375.06	368.90	-	10.20	10.36	10.84	10.85	-
175	Carpentering and flooring	312.13	314.64	349.49	351.13	-	9.10	9.20	10.13	10.09	-
176	Roofing and sheet metal work	273.07	285.74	320.68	309.76	-	8.97	9.10	9.63	9.68	-
-	MANUFACTURING	279.35	280.21	311.22	312.44	317.19	7.09	7.13	7.80	7.87	7.91
24, 25, 32-39	DURABLE GOODS	301.64	301.72	337.37	338.92	344.73	7.56	7.60	8.33	8.41	8.47
20-23, 26-31	NONDURABLE GOODS	246.13	248.45	272.22	273.15	277.85	6.36	6.42	6.98	7.04	7.07
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	232.99	240.64	265.98	266.76	271.76	5.28	6.40	6.82	6.84	6.88
241	Logging camps and logging contractors	319.58	333.59	337.18	329.96	-	8.41	8.62	8.92	9.04	-
242	Sawmills and planing mills	234.24	243.75	277.29	279.40	-	6.40	6.50	7.02	7.02	-
2421	Sawmills and planing mills, general	245.28	257.11	291.12	294.06	-	6.72	6.82	7.37	7.37	-
2426	Hardwood dimension and flooring	175.18	173.72	196.52	195.72	-	4.61	4.67	4.95	4.93	-
243	Millwork, plywood, and structural members	228.04	234.38	264.10	264.71	-	5.18	6.25	6.72	6.77	-
2431	Millwork	231.63	238.01	261.03	263.04	-	6.21	6.33	6.78	6.85	-
2434	Wood kitchen cabinets	214.10	208.51	232.18	227.66	-	5.74	5.76	6.11	6.12	-
2435	Hardwood veneer and plywood	187.18	184.22	222.03	222.09	-	4.90	4.81	5.35	5.43	-
2436	Softwood veneer and plywood	265.52	293.76	327.64	330.08	-	7.63	7.69	8.13	8.15	-
244	Wooden containers	179.82	181.92	207.97	209.66	-	4.86	4.93	5.43	5.46	-
245	Wood buildings and mobile homes	203.55	211.32	222.53	237.81	-	6.01	6.09	6.34	6.41	-
2451	Mobile homes	205.97	208.54	219.38	238.61	-	5.97	6.08	6.25	6.38	-
249	Miscellaneous wood products	206.59	206.31	236.40	232.98	-	5.23	5.29	5.78	5.81	-
25	FURNITURE AND FIXTURES	204.28	202.17	223.49	221.18	222.91	5.39	5.42	5.76	5.79	5.82
251	Household furniture	190.01	185.47	208.21	205.58	-	5.04	5.04	5.38	5.41	-
2511	Wood household furniture	178.78	171.76	194.22	192.00	-	4.68	4.68	4.98	5.00	-
2512	Upholstered household furniture	193.82	195.48	221.16	216.82	-	5.43	5.40	5.82	5.86	-
2514	Metal household furniture	193.53	202.90	216.22	216.61	-	5.17	5.27	5.46	5.47	-
2515	Mattresses and bedspings	207.92	201.71	224.03	225.29	-	5.65	5.65	5.99	6.04	-
252	Office furniture	226.78	228.53	249.32	246.91	-	5.80	5.89	6.28	6.38	-
253	Public building and related furniture	227.15	221.72	255.36	251.02	-	5.90	5.85	6.40	6.52	-
254	Partitions and fixtures	251.14	254.59	264.80	265.62	-	6.54	6.63	6.95	6.99	-
259	Miscellaneous furniture and fixtures	224.55	231.72	251.16	252.41	-	6.02	6.05	6.49	6.39	-

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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
-	TOTAL PRIVATE	35.0	35.0	35.2	35.2	35.2	-	-	-	-	-
-	MINING	42.8	42.7	42.2	43.5	43.7	-	-	-	-	-
10	METAL MINING	41.3	40.7	41.1	40.7	-	-	-	-	-	
101	Iron ores	40.9	40.9	40.8	40.3	-	-	-	-	-	
102	Copper ores	41.5	41.7	42.1	41.8	-	-	-	-	-	
11, 12	COAL MINING	39.4	39.1	36.7	38.8	-	-	-	-	-	
12	BITUMINOUS COAL AND LIGNITE MINING	39.4	39.1	36.7	38.7	-	-	-	-	-	
13	OIL AND GAS EXTRACTION	45.0	44.9	45.1	45.1	-	-	-	-	-	
131, 2	Crude petroleum, natural gas, and natural gas liquids	41.5	40.6	41.2	41.5	-	-	-	-	-	
138	Oil and gas field services	46.3	46.4	46.3	46.2	-	-	-	-	-	
14	NONMETALLIC MINERALS, EXCEPT FUELS	43.5	43.5	42.8	43.3	-	-	-	-	-	
142	Crushed and broken stone	44.9	44.2	43.2	43.6	-	-	-	-	-	
-	CONSTRUCTION	36.7	36.9	37.2	36.9	36.9	-	-	-	-	
15	GENERAL BUILDING CONTRACTORS	35.9	36.3	36.3	36.2	-	-	-	-	-	
152	Residential building construction	35.2	36.1	35.5	35.6	-	-	-	-	-	
153	Operative builders	36.2	36.7	36.2	36.7	-	-	-	-	-	
154	Nonresidential building construction	36.4	36.3	37.1	36.6	-	-	-	-	-	
16	HEAVY CONSTRUCTION CONTRACTORS	40.2	40.1	40.6	40.1	-	-	-	-	-	
161	Highway and street construction	40.4	39.9	40.6	40.5	-	-	-	-	-	
162	Heavy construction, except highway	40.1	40.1	40.6	40.0	-	-	-	-	-	
17	SPECIAL TRADE CONTRACTORS	35.8	36.0	36.4	36.0	-	-	-	-	-	
171	Plumbing, heating, air conditioning	37.3	37.5	37.6	37.4	-	-	-	-	-	
172	Painting, paper hanging, decorating	34.5	34.5	35.1	34.6	-	-	-	-	-	
173	Electrical work	37.8	37.9	38.0	37.8	-	-	-	-	-	
174	Masonry, stonework, and plastering	33.9	34.4	34.6	34.0	-	-	-	-	-	
175	Carpentering and flooring	34.3	34.2	34.5	34.8	-	-	-	-	-	
176	Roofing and sheet metal work	31.0	31.4	33.3	32.0	-	-	-	-	-	
-	MANUFACTURING	39.4	39.3	39.9	39.7	40.1	2.7	2.5	2.8	2.6	3.0
24, 25, 32-39	DURABLE GOODS	39.9	39.7	40.5	40.3	40.7	2.7	2.5	2.9	2.7	3.1
20-23, 26-31	NONDURABLE GOODS	38.7	38.7	39.0	38.8	39.3	2.7	2.5	2.7	2.5	2.9
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	37.1	37.6	39.0	39.0	39.5	2.3	2.3	2.7	2.7	-
241	Logging camps and logging contractors	38.0	38.7	37.8	36.5	-	3.2	3.5	3.3	3.7	-
242	Sawmills and planing mills	36.6	37.5	39.5	39.8	-	2.7	2.8	3.1	3.3	-
2421	Sawmills and planing mills, general	36.5	37.7	39.5	39.9	-	2.9	3.0	3.3	3.5	-
2426	Hardwood dimension and flooring	38.0	37.2	39.7	39.7	-	2.2	2.0	2.5	2.3	-
243	Millwork, plywood, and structural members	36.9	37.5	39.3	39.1	-	1.8	1.7	2.4	2.4	-
2431	Millwork	37.3	37.6	38.5	38.4	-	1.4	1.3	1.6	1.7	-
2434	Wood kitchen cabinets	37.3	36.2	38.0	37.2	-	1.6	1.2	1.6	1.0	-
2435	Hardwood veneer and plywood	38.2	38.3	41.5	40.9	-	2.6	2.3	3.8	3.7	-
2436	Softwood veneer and plywood	34.8	38.2	40.3	40.5	-	2.3	2.6	3.4	3.7	-
244	Wooden containers	37.0	36.9	38.3	38.4	-	2.0	1.9	2.0	2.2	-
245	Wood buildings and mobile homes	34.7	34.7	35.1	37.1	-	1.0	.9	1.3	1.5	-
2451	Mobile homes	34.5	34.3	35.1	37.4	-	.8	.7	.9	1.2	-
249	Miscellaneous wood products	39.5	39.0	40.9	40.1	-	2.6	2.3	3.1	2.6	-
25	FURNITURE AND FIXTURES	37.9	37.3	38.8	38.2	38.3	1.7	1.4	1.9	1.6	-
251	Household furniture	37.7	36.8	38.7	38.0	-	1.7	1.2	2.0	1.6	-
2511	Wood household furniture	38.2	36.7	39.0	38.4	-	2.0	1.4	2.0	1.7	-
2512	Upholstered household furniture	36.8	36.2	38.0	37.0	-	1.1	.9	1.5	1.3	-
2514	Metal household furniture	38.4	38.5	39.6	39.6	-	1.7	1.6	3.2	2.7	-
2515	Mattresses and bedsprings	36.8	35.7	37.4	37.3	-	1.9	1.4	1.7	1.3	-
252	Office furniture	39.1	38.8	39.7	38.7	-	1.7	1.8	2.3	2.1	-
253	Public building and related furniture	38.5	37.9	39.9	38.5	-	2.1	1.8	2.3	1.8	-
254	Partitions and fixtures	38.4	38.4	38.1	38.0	-	2.1	1.9	1.6	1.5	-
259	Miscellaneous furniture and fixtures	37.3	38.3	38.7	39.5	-	.8	.8	1.3	1.6	-

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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
32	STONE, CLAY, AND GLASS PRODUCTS	\$296.54	\$302.47	\$323.16	\$331.29	\$337.00	\$7.34	\$7.45	\$7.94	\$8.10	\$8.14
321	Flat glass	383.88	370.64	426.13	433.95	-	9.25	9.22	10.47	10.61	-
322	Glass and glassware, pressed or blown	313.24	325.18	336.98	355.66	-	7.93	7.97	8.30	8.76	-
3221	Glass containers	330.50	354.35	355.18	383.98	-	8.54	8.58	8.60	9.32	-
3229	Pressed and blown glass, nec	290.48	288.64	312.84	318.80	-	7.19	7.18	7.90	7.99	-
323	Products of purchased glass	246.27	245.12	287.12	276.98	-	5.38	6.40	7.16	7.03	-
324	Cement, hydraulic	427.91	443.52	461.48	473.18	-	10.14	10.56	11.12	11.16	-
325	Structural clay products	242.80	241.30	261.45	265.43	-	6.07	6.14	6.52	6.57	-
326	Pottery and related products	237.84	235.62	264.92	264.71	-	6.13	6.12	6.69	6.77	-
327	Concrete, gypsum, and plaster products	298.70	305.12	319.52	331.59	-	7.25	7.37	7.87	7.99	-
3271	Concrete block and brick	273.37	276.18	303.54	314.06	-	6.54	6.56	7.21	7.27	-
3272	Concrete products, nec	266.67	275.22	288.40	292.03	-	6.52	6.60	7.00	7.02	-
3273	Ready-mixed concrete	325.99	332.11	339.21	357.06	-	7.99	8.14	8.72	8.86	-
329	Misc. nonmetallic mineral products	295.80	298.82	325.03	325.51	-	7.25	7.36	7.87	7.92	-
3291	Abrasive products	284.89	292.40	310.50	314.36	-	7.14	7.31	7.50	7.63	-
3292	Asbestos products	304.14	295.80	327.95	321.99	-	7.40	7.25	7.96	7.97	-
33	PRIMARY METAL INDUSTRIES	386.92	377.67	432.37	445.21	444.96	9.53	9.61	10.52	10.78	10.80
331	Blast furnace and basic steel products	445.72	431.64	501.43	527.94	-	11.06	11.27	12.23	12.57	-
3312	Blast furnaces and steel mills	463.79	446.53	519.43	549.36	-	11.48	11.72	12.70	13.08	-
3317	Steel pipe and tubes	338.61	339.79	404.84	417.00	-	8.66	8.78	9.85	10.00	-
332	Iron and steel foundries	320.79	312.39	355.92	353.91	-	8.06	8.01	8.81	8.87	-
3321	Gray iron foundries	315.90	304.80	362.39	362.50	-	8.10	8.00	8.97	9.04	-
3322	Malleable iron foundries	336.40	325.84	377.94	369.94	-	8.67	8.62	9.52	9.51	-
3325	Steel foundries, nec	331.55	327.23	345.22	334.72	-	7.97	8.04	8.42	8.41	-
333	Primary nonferrous metals	433.63	435.54	479.13	485.39	-	10.30	10.37	11.49	11.64	-
3334	Primary aluminum	453.44	458.13	518.25	514.19	-	10.90	10.96	12.31	12.39	-
335	Nonferrous rolling and drawing	356.99	351.41	399.11	406.69	-	8.52	8.55	9.48	9.66	-
3351	Copper rolling and drawing	312.83	303.38	348.99	359.07	-	7.63	7.70	8.27	8.37	-
3353	Aluminum sheet, plate, and foil	443.93	443.31	509.12	524.02	-	10.47	10.53	11.84	12.13	-
3357	Nonferrous wire drawing and insulating	329.38	318.57	365.25	370.18	-	7.88	7.77	8.78	8.92	-
336	Nonferrous foundries	285.37	282.03	318.74	314.03	-	7.17	7.14	7.87	7.95	-
3361	Aluminum foundries	294.00	287.17	330.47	326.36	-	7.35	7.27	8.08	8.20	-
34	FABRICATED METAL PRODUCTS	292.25	292.07	324.39	323.61	332.52	7.27	7.32	7.99	8.03	8.13
341	Metal cans and shipping containers	414.79	426.71	450.02	459.61	-	9.47	9.72	10.49	10.59	-
3411	Metal cans	431.74	447.55	463.95	476.53	-	9.79	10.08	10.84	10.98	-
342	Cutlery, hand tools, and hardware	273.04	268.27	304.50	306.13	-	5.93	6.95	7.67	7.75	-
3423, 5	Hand and edge tools, and hand saws and blades	266.26	258.61	289.92	296.06	-	6.69	6.77	7.23	7.31	-
3429	Hardware, nec	280.47	278.31	321.90	320.54	-	7.21	7.21	8.17	8.24	-
343	Plumbing and heating, except electric	252.59	251.63	275.66	271.74	-	5.46	6.57	7.05	7.04	-
3432	Plumbing fittings and brass goods	256.41	244.35	270.80	267.92	-	6.30	6.38	6.77	6.80	-
3433	Heating equipment, except electric	239.65	249.23	262.39	261.58	-	6.29	6.44	6.96	5.92	-
344	Fabricated structural metal products	281.47	286.88	310.37	308.85	-	7.09	7.19	7.74	7.76	-
3441	Fabricated structural metal	300.77	306.34	326.36	329.62	-	7.39	7.49	7.96	8.02	-
3442	Metal doors, sash, and trim	219.62	227.94	242.94	247.40	-	5.81	5.89	6.31	6.36	-
3443	Fabricated plate work (boiler shops)	317.29	319.76	350.61	344.21	-	7.72	7.78	8.51	8.52	-
3444	Sheet metal work	276.97	279.03	310.08	307.33	-	7.12	7.21	7.85	7.86	-
3446	Architectural metal work	253.24	266.13	287.83	283.29	-	6.51	6.67	7.16	7.19	-
345	Screw machine products, bolts, etc.	281.26	278.92	307.16	305.72	-	6.86	6.87	7.51	7.53	-
3451	Screw machine products	256.63	254.70	277.70	280.10	-	5.29	6.32	6.96	7.02	-
3452	Bolts, nuts, rivets, and washers	305.29	302.33	336.07	331.64	-	7.41	7.41	8.04	8.03	-
346	Metal forgings and stampings	331.57	323.44	385.22	382.70	-	8.31	8.23	9.35	9.38	-
3462	Iron and steel forgings	368.52	351.78	404.19	397.80	-	9.19	9.02	9.98	9.97	-
3465	Automotive stampings	398.73	390.82	495.55	495.01	-	10.12	9.97	11.66	11.62	-
3469	Metal stampings, nec	258.40	257.54	285.22	279.97	-	6.46	6.52	7.06	7.07	-
347	Metal services, nec	237.37	239.19	263.40	259.77	-	5.89	5.95	6.44	6.43	-
3471	Plating and polishing	229.25	230.10	255.04	250.73	-	5.76	5.84	6.36	6.38	-
3479	Metal coating and allied services	253.78	258.52	280.50	278.83	-	6.13	6.17	6.60	6.53	-
348	Ordinance and accessories, nec	299.22	297.25	323.93	325.62	-	7.21	7.25	7.92	8.06	-
3483	Ammunition, exc. for small arms, nec	268.94	269.96	282.10	288.64	-	5.69	6.80	7.16	7.42	-
349	Misc. fabricated metal products	276.98	278.80	305.25	300.75	-	6.89	6.97	7.50	7.50	-
3494	Valves and pipe fittings	295.08	299.88	330.37	328.39	-	7.25	7.35	7.98	7.99	-
3496	Misc. fabricated wire products	239.77	241.08	267.15	263.34	-	5.07	6.15	6.58	6.60	-
35	MACHINERY, EXCEPT ELECTRICAL	320.21	322.73	358.03	356.18	364.27	7.81	7.91	8.69	8.73	8.82
351	Engines and turbines	380.55	363.39	420.00	428.79	-	9.49	9.39	10.50	10.64	-
3511	Turbines and turbine generator sets	349.66	350.33	404.58	382.08	-	8.57	8.65	9.82	9.60	-
3519	Internal combustion engines, nec	389.42	367.48	425.30	443.59	-	9.76	9.62	10.74	10.98	-
352	Farm and garden machinery	340.66	369.46	419.02	417.18	-	3.37	9.10	10.22	10.25	-
3523	Farm machinery and equipment	354.28	384.70	439.60	437.22	-	8.62	9.36	10.67	10.69	-
353	Construction and related machinery	343.07	340.94	393.65	391.81	-	8.45	8.46	9.44	9.51	-

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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
		32	STONE, CLAY, AND GLASS PRODUCTS	40.4	40.6	40.7	40.9	41.4	3.5	3.4	3.7
321	Flat glass	41.5	40.2	40.7	40.9	-	3.6	3.3	3.6	3.7	-
322	Glass and glassware, pressed or blown	39.5	40.8	40.6	40.6	-	3.5	3.7	3.8	3.8	-
3221	Glass containers	38.7	41.3	41.3	41.2	-	3.6	4.1	4.4	4.3	-
3229	Pressed and blown glass, nec	40.4	40.2	39.6	39.9	-	3.3	3.2	3.1	3.2	-
323	Products of purchased glass	38.6	38.3	40.1	39.4	-	1.8	1.5	3.3	2.7	-
324	Cement, hydraulic	42.2	42.0	41.5	42.4	-	4.0	2.9	3.0	3.3	-
325	Structural clay products	40.0	39.3	40.1	40.4	-	2.9	2.8	2.7	3.0	-
326	Pottary and related products	38.8	38.5	39.6	39.1	-	2.3	2.2	2.0	2.3	-
327	Concrete, gypsum, and plaster products	41.2	41.4	40.6	41.5	-	4.5	4.6	4.6	5.1	-
3271	Concrete block and brick	41.8	42.1	42.1	43.2	-	4.4	4.3	4.5	5.5	-
3272	Concrete products, nec	40.9	41.7	41.2	41.6	-	3.9	4.2	4.1	4.4	-
3273	Ready-mixed concrete	40.8	40.8	38.9	40.3	-	4.8	5.0	4.5	5.0	-
329	Misc. nonmetallic mineral products	40.8	40.6	41.3	41.1	-	3.2	2.8	3.4	3.2	-
3291	Abrasive products	39.9	40.0	41.4	41.2	-	3.1	2.8	3.1	2.9	-
3292	Asbestos products	41.1	40.8	41.2	40.4	-	2.6	2.1	2.9	2.6	-
33	PRIMARY METAL INDUSTRIES	40.6	39.3	41.1	41.3	41.2	3.0	2.3	3.1	3.1	-
331	Blast furnace and basic steel products	40.3	38.3	41.0	42.0	-	2.4	1.7	2.8	3.0	-
3312	Blast furnaces and steel mills	40.4	38.1	40.9	42.0	-	2.4	1.6	2.7	2.9	-
3317	Steel pipe and tubes	39.1	38.7	41.1	41.7	-	2.1	1.8	3.6	4.0	-
332	Iron and steel foundries	39.8	39.0	40.4	39.9	-	3.0	2.3	3.0	2.6	-
3321	Gray iron foundries	39.0	38.1	40.4	40.1	-	2.7	1.9	2.9	2.8	-
3322	Malleable iron foundries	38.8	37.8	39.7	38.9	-	2.5	2.0	2.9	2.4	-
3325	Steel foundries, nec	41.6	40.7	41.0	39.8	-	3.7	3.0	3.4	2.2	-
333	Primary nonferrous metals	42.1	42.0	41.7	41.7	-	3.8	3.8	3.4	3.6	-
3334	Primary aluminum	41.6	41.8	42.1	41.5	-	3.9	3.9	3.7	3.7	-
335	Nonferrous rolling and drawing	41.9	41.1	42.1	42.1	-	4.2	3.5	4.1	4.2	-
3351	Copper rolling and drawing	41.0	39.4	42.2	42.9	-	3.7	2.6	4.8	4.7	-
3353	Aluminum sheet, plate and foil	42.4	42.1	43.0	43.2	-	6.2	6.0	6.0	5.9	-
3357	Nonferrous wire drawing and insulating	41.8	41.0	41.6	41.5	-	3.9	2.9	3.7	3.8	-
336	Nonferrous foundries	39.8	39.5	40.5	39.5	-	2.5	2.1	2.7	2.2	-
3361	Aluminum foundries	40.0	39.5	40.9	39.8	-	2.7	2.3	2.9	2.5	-
34	FABRICATED METAL PRODUCTS	40.2	39.9	40.6	40.3	40.9	2.7	2.5	2.8	2.5	-
341	Metal cans and shipping containers	43.8	43.9	42.9	43.4	-	4.6	4.1	4.4	4.2	-
3411	Metal cans	44.1	44.4	42.8	43.4	-	4.4	4.1	4.1	4.0	-
342	Cutlery, hand tools, and hardware	39.4	38.6	39.7	39.5	-	2.0	1.6	2.3	2.0	-
3423, 5	Hand and edge tools, and hand saws and blades	39.8	38.2	40.1	40.5	-	2.3	1.5	2.3	2.4	-
3429	Hardware, nec	38.9	38.6	39.4	38.9	-	1.6	1.5	2.3	1.9	-
343	Plumbing and heating, except electric	39.1	38.3	39.1	38.6	-	2.2	1.7	1.8	1.1	-
3432	Plumbing fittings and brass goods	40.7	38.3	40.0	39.4	-	2.7	1.7	2.3	1.4	-
3433	Heating equipment, except electric	38.1	38.7	37.7	37.8	-	1.8	1.8	1.1	.9	-
344	Fabricated structural metal products	39.7	39.9	40.1	39.8	-	2.3	2.5	2.6	2.3	-
3441	Fabricated structural metal	40.7	40.9	41.0	41.1	-	3.1	3.3	2.9	2.8	-
3442	Metal doors, sash, and trim	37.8	38.7	38.5	38.9	-	1.5	1.8	1.7	1.6	-
3443	Fabricated plate work (boiler shops)	41.1	41.1	41.2	40.4	-	2.6	2.5	2.9	2.5	-
3444	Sheet metal work	38.9	38.7	39.5	39.1	-	2.2	2.3	2.5	2.1	-
3446	Architectural metal work	38.9	39.9	40.2	39.4	-	2.0	2.6	2.1	1.5	-
345	Screw machine products, bolts, etc.	41.0	40.6	40.9	40.6	-	3.6	3.3	3.0	2.7	-
3451	Screw machine products	40.8	40.3	39.9	39.9	-	3.9	3.4	2.8	2.5	-
3452	Bolts, nuts, rivets, and washers	41.2	40.8	41.8	41.3	-	3.4	3.1	3.2	2.8	-
346	Metal forgings and stampings	39.9	39.3	41.2	40.8	-	2.9	2.3	3.5	3.3	-
3462	Iron and steel forgings	40.1	39.0	40.5	39.9	-	3.6	2.6	3.3	2.8	-
3465	Automotive stampings	39.4	39.2	42.5	42.6	-	2.3	1.5	4.7	4.8	-
3489	Metal stampings, nec	40.0	39.5	40.4	39.6	-	2.8	2.4	2.6	2.1	-
347	Metal services, nec	40.3	40.2	40.9	40.4	-	3.4	3.2	2.6	2.4	-
3471	Plating and polishing	39.8	39.4	40.1	39.3	-	3.1	3.0	3.0	2.4	-
3479	Metal coating and allied services	41.4	41.9	42.5	42.7	-	3.9	3.6	1.8	2.3	-
348	Ordnance and accessories, nec	41.5	41.0	40.9	40.4	-	2.4	2.3	2.8	2.6	-
3483	Ammunition, exc. for small arms, nec	40.2	39.7	39.4	38.9	-	1.5	1.5	1.9	1.7	-
349	Misc. fabricated metal products	40.2	40.0	40.7	40.1	-	2.5	2.4	2.8	2.3	-
3494	Valves and pipe fittings	40.7	40.8	41.4	41.1	-	2.9	3.0	3.2	2.9	-
3496	Misc. fabricated wire products	39.5	39.2	40.6	39.9	-	2.1	2.0	2.7	2.1	-
35	MACHINERY, EXCEPT ELECTRICAL	41.0	40.8	41.2	40.8	41.3	3.4	3.1	3.3	2.9	-
351	Engines and turbines	40.1	38.7	40.0	40.3	-	2.7	1.6	2.7	2.7	-
3511	Turbines and turbine generator sets	40.8	40.5	41.2	39.8	-	3.8	3.7	3.5	2.9	-
3519	Internal combustion engines, nec	39.9	38.2	39.6	40.4	-	2.4	1.0	2.4	2.7	-
352	Farm and garden machinery	40.7	40.6	41.0	40.7	-	3.0	2.6	2.9	2.6	-
3523	Farm machinery and equipment	41.1	41.1	41.2	40.9	-	3.3	2.8	3.2	2.8	-
353	Construction and related machinery	40.6	40.3	41.7	41.2	-	5.0	2.8	3.3	3.0	-

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					
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	
	MACHINERY, EXCEPT ELECTRICAL—Continued											
3531	Construction machinery	\$367.38	\$358.87	\$432.54	\$431.88	-	\$9.42	\$9.37	\$10.68	\$10.77	-	
3532	Mining machinery	351.50	344.02	385.63	366.83	-	8.29	8.35	9.27	9.24	-	
3533	Oil field machinery	343.87	352.36	400.82	403.64	-	7.96	7.99	8.79	8.93	-	
3535	Conveyers and conveying equipment	304.78	309.50	311.33	315.21	-	7.47	7.68	8.15	8.23	-	
3537	Industrial trucks and tractors	297.92	298.74	312.48	311.33	-	7.60	7.66	8.18	8.15	-	
354	Metalworking machinery	340.80	342.63	370.94	364.79	-	8.00	8.10	8.79	8.79	-	
3541	Machine tools, metal cutting types	360.86	363.05	386.67	374.27	-	8.22	8.27	8.93	8.89	-	
3542	Machine tools, metal forming types	344.87	349.87	359.20	362.98	-	8.31	8.37	8.98	9.12	-	
3544	Special dies, tools, jigs, and fixtures	368.94	370.66	405.14	398.65	-	8.56	8.64	9.40	9.38	-	
3545	Machine tool accessories	308.59	307.33	334.40	330.44	-	7.33	7.37	8.00	8.04	-	
3546	Power driven hand tools	246.41	244.86	271.10	272.20	-	5.27	6.41	7.06	7.07	-	
355	Special industry machinery	302.32	304.96	331.20	326.41	-	7.32	7.42	8.00	8.02	-	
3551	Food products machinery	314.24	321.10	341.38	341.65	-	7.74	7.87	8.45	8.52	-	
3552	Textile machinery	241.80	245.43	261.94	262.35	-	6.00	6.06	6.42	6.51	-	
3555	Printing trades machinery	318.42	323.76	357.73	344.75	-	7.51	7.60	8.30	8.15	-	
356	General industrial machinery	318.61	321.88	348.53	344.66	-	7.79	7.87	8.48	8.51	-	
3561	Pumps and pumping equipment	312.73	315.19	348.35	341.94	-	7.76	7.86	8.58	8.57	-	
3562	Ball and roller bearings	328.34	331.69	359.54	356.49	-	7.95	7.86	8.52	8.59	-	
3563	Air and gas compressors	343.48	353.93	375.62	379.32	-	8.12	8.25	8.88	9.01	-	
3564	Blowers and fans	288.56	299.30	314.65	311.95	-	7.09	7.30	7.75	7.76	-	
3566	Speed changers, drives, and gears	366.72	361.38	392.92	382.42	-	8.69	8.75	9.40	9.35	-	
3568	Power transmission equipment, nec	296.22	300.53	338.25	334.97	-	7.40	7.57	8.25	8.19	-	
357	Office and computing machines	267.15	271.92	297.34	299.47	-	6.58	6.60	7.27	7.34	-	
3573	Electronic computing equipment	271.26	274.07	295.71	298.66	-	6.60	6.62	7.23	7.32	-	
358	Refrigeration and service machinery	276.48	274.48	314.79	316.40	-	7.05	7.02	7.85	7.91	-	
3585	Refrigeration and heating equipment	285.05	278.85	322.40	325.21	-	7.18	7.15	8.04	8.11	-	
359	Misc. machinery, except electrical	313.18	314.52	343.58	341.04	-	7.62	7.69	8.38	8.40	-	
3592	Carburetors, pistons, rings, valves	356.53	346.58	397.54	392.28	-	8.76	8.73	9.84	9.71	-	
3599	Machinery, except electrical, nec	306.12	308.66	333.73	331.30	-	7.43	7.51	8.12	8.16	-	
	ELECTRIC AND ELECTRONIC EQUIPMENT	268.88	266.45	301.10	299.30	\$303.16	6.79	6.78	7.49	7.52	\$7.56	
36	Electric distributing equipment	272.52	266.95	297.20	293.04	-	6.83	6.81	7.43	7.40	-	
3612	Transformers	266.67	263.34	297.43	293.71	-	6.65	6.60	7.29	7.27	-	
3613	Switchgear and switchboard apparatus	276.71	270.13	297.47	292.50	-	6.97	6.98	7.55	7.50	-	
362	Electrical industrial apparatus	278.18	276.51	316.00	314.20	-	6.92	6.93	7.67	7.72	-	
3621	Motors and generators	277.26	275.20	319.19	316.93	-	6.88	6.88	7.71	7.73	-	
3622	Industrial controls	276.61	277.01	301.44	293.25	-	6.95	6.96	7.48	7.50	-	
363	Household appliances	261.29	255.68	302.48	300.96	-	6.84	6.80	7.60	7.60	-	
3632	Household refrigerators and freezers	281.20	272.16	355.10	358.03	-	7.60	7.56	8.64	8.69	-	
3633	Household laundry equipment	314.50	298.37	345.64	348.98	-	8.19	8.13	8.84	8.88	-	
3634	Electric housewares and fans	211.07	218.01	238.58	229.31	-	5.54	5.59	6.04	5.91	-	
364	Electric lighting and wiring equipment	247.27	248.61	278.47	275.01	-	6.26	6.31	6.91	6.98	-	
3641	Electric lamps	278.70	281.29	306.40	306.92	-	6.95	6.98	7.66	7.77	-	
3643	Current-carrying wiring devices	239.79	239.99	268.46	262.40	-	5.95	5.97	6.58	6.56	-	
3644	Noncurrent-carrying wiring devices	253.62	258.96	294.94	294.76	-	6.47	6.64	7.09	7.26	-	
3645	Residential lighting fixtures	184.73	184.02	212.78	205.15	-	4.90	4.96	5.47	5.50	-	
365	Radio and TV receiving equipment	238.39	229.59	277.29	275.38	-	6.29	6.09	7.11	7.19	-	
3651	Radio and TV receiving sets	248.52	236.38	284.87	285.76	-	6.54	6.27	7.38	7.52	-	
366	Communication equipment	315.12	311.58	344.25	341.60	-	7.80	7.77	8.50	8.54	-	
3661	Telephone and telegraph apparatus	322.80	319.60	354.78	354.38	-	8.01	7.99	8.76	8.75	-	
3662	Radio and TV communication equipment	307.85	306.28	337.79	332.69	-	7.62	7.60	8.32	8.38	-	
367	Electronic components and accessories	236.61	234.24	257.90	257.26	-	5.93	5.93	6.48	6.48	-	
3671-3	Electronic tubes	323.64	308.16	330.84	336.94	-	7.44	7.39	8.03	8.08	-	
3674	Semiconductors and related devices	269.73	264.40	295.00	288.29	-	6.66	6.66	7.32	7.28	-	
3679	Electronic components, nec	220.25	222.16	239.18	240.98	-	5.59	5.61	6.04	5.07	-	
369	Misc. electrical equipment and supplies	302.24	301.07	341.65	347.33	-	7.73	7.70	8.52	8.64	-	
3691	Storage batteries	285.38	291.06	321.01	328.68	-	7.61	7.70	8.21	8.30	-	
3694	Engine electrical equipment	335.62	329.64	379.93	393.33	-	8.65	8.54	9.57	9.76	-	
	TRANSPORTATION EQUIPMENT	359.79	361.49	415.11	416.56	428.26	9.04	9.06	10.10	10.16	10.27	
37	Motor vehicles and equipment	366.70	366.27	443.62	451.82	-	9.50	9.44	10.82	10.94	-	
3711	Motor vehicles and car bodies	393.78	396.68	490.36	503.78	-	10.39	10.25	11.96	12.11	-	
3713	Truck and bus bodies	298.24	295.09	335.41	343.54	-	7.89	7.89	8.47	8.61	-	
3714	Motor vehicle parts and accessories	362.48	356.85	429.32	435.14	-	9.20	9.15	10.37	10.46	-	
3715,6	Truck trailers and motor homes	258.02	262.89	272.22	274.83	-	5.79	6.90	7.24	7.29	-	
372	Aircraft and parts	372.67	379.54	416.17	411.76	-	8.98	9.08	9.98	9.97	-	
3721	Aircraft	383.64	391.94	433.89	-	-	9.38	9.49	10.43	-	-	
3724	Aircraft engines and engine parts	376.74	384.47	412.49	405.41	-	9.10	9.22	10.11	10.11	-	
3728	Aircraft equipment, nec	346.25	352.56	384.42	379.43	-	8.09	8.18	8.94	8.97	-	
373	Ship and boat building and repairing	326.03	329.26	362.20	353.16	-	8.05	8.15	8.77	8.72	-	
3731	Shipbuilding and repairing	342.31	345.17	381.80	371.49	-	8.39	8.46	9.20	9.15	-	
3732	Boat building and repairing	264.77	265.69	293.94	293.71	-	6.72	6.83	7.24	7.27	-	
374	Railroad equipment	378.46	376.74	414.02	409.75	-	9.63	9.76	10.81	10.84	-	

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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
		MACHINERY, EXCEPT ELECTRICAL—Continued									
3531	Construction machinery	39.0	38.3	40.5	40.1	-	1.8	1.1	1.8	1.6	-
3532	Mining machinery	42.4	41.2	41.6	39.7	-	3.5	2.7	2.8	1.7	-
3533	Oil field machinery	43.2	44.1	45.6	45.2	-	5.3	5.8	6.3	5.8	-
3536	Conveyers and conveying equipment	40.8	40.3	38.2	38.3	-	2.6	3.2	2.4	2.3	-
3537	Industrial trucks and tractors	39.2	39.0	38.2	38.2	-	2.1	1.8	1.9	1.8	-
354	Metalworking machinery	42.6	42.3	42.2	41.5	-	4.8	4.6	4.4	3.8	-
3541	Machine tools, metal cutting types	43.9	43.9	43.3	42.1	-	6.0	6.1	5.1	4.0	-
3542	Machine tools, metal forming types	41.5	41.8	40.0	39.8	-	4.7	4.5	3.0	2.7	-
3544	Special dies, tools, jigs, and fixtures	43.1	42.9	43.1	42.5	-	5.3	5.0	5.5	4.8	-
3545	Machine tool accessories	42.1	41.7	41.8	41.1	-	4.6	4.0	3.7	3.3	-
3546	Power driven hand tools	39.3	38.2	38.4	38.5	-	2.1	1.7	1.5	1.5	-
355	Special industry machinery	41.3	41.1	41.4	40.7	-	3.5	3.1	3.1	2.5	-
3551	Food products machinery	40.6	40.8	40.4	40.1	-	2.7	2.6	2.3	2.0	-
3552	Textile machinery	40.3	40.5	40.8	40.3	-	2.2	2.4	2.0	1.8	-
3555	Printing trades machinery	42.4	42.6	43.1	42.3	-	4.3	4.0	4.4	3.5	-
356	General industrial machinery	40.9	40.9	41.1	40.5	-	3.4	3.5	3.2	2.6	-
3561	Pumps and pumping equipment	40.3	40.1	40.6	39.9	-	2.8	2.5	2.9	2.5	-
3562	Ball and roller bearings	41.3	42.2	42.2	41.5	-	4.6	5.0	3.8	3.5	-
3563	Air and gas compressors	42.3	42.9	42.3	42.1	-	4.7	5.1	4.0	3.6	-
3564	Blowers and fans	40.7	41.0	40.6	40.2	-	3.2	3.4	3.0	2.4	-
3566	Speed changers, drives, and gears	42.2	41.3	41.8	40.9	-	4.2	3.6	3.4	2.4	-
3568	Power transmission equipment, nec	40.3	39.7	41.0	40.9	-	2.6	2.5	3.3	2.9	-
357	Office and computing machines	40.6	41.2	40.9	40.8	-	2.4	2.5	2.5	2.3	-
3573	Electronic computing equipment	41.1	41.4	40.9	40.8	-	2.5	2.5	2.7	2.5	-
358	Refrigeration and service machinery	39.5	39.1	40.1	40.0	-	1.8	1.5	2.5	2.3	-
3586	Refrigeration and heating equipment	39.7	39.0	40.1	40.1	-	2.0	1.6	2.2	2.3	-
359	Misc. machinery, except electrical	41.1	40.9	41.0	40.6	-	4.0	3.7	3.8	3.3	-
3592	Carburetors, pistons, rings, valves	40.7	39.7	40.4	40.4	-	2.5	1.9	2.4	1.8	-
3599	Machinery, except electrical, nec	41.2	41.1	41.1	40.6	-	4.2	4.0	4.0	3.6	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	39.6	39.3	40.2	39.8	40.1	2.2	1.9	2.3	2.0	-
361	Electric distributing equipment	39.9	39.2	40.0	39.6	-	2.3	2.1	2.5	2.3	-
3612	Transformers	40.1	39.9	40.8	40.4	-	2.7	2.7	2.5	2.4	-
3613	Switchgear and switchboard apparatus	39.7	38.7	39.4	39.0	-	2.1	1.6	2.5	2.2	-
362	Electrical industrial apparatus	40.2	39.9	41.2	40.7	-	2.4	2.1	2.9	2.5	-
3621	Motors and generators	40.3	40.0	41.4	41.0	-	2.4	2.0	3.0	2.6	-
3622	Industrial controls	39.8	39.8	40.3	39.1	-	2.3	2.1	2.4	1.9	-
363	Household appliances	38.2	37.6	39.8	39.6	-	1.7	1.2	1.9	1.7	-
3632	Household refrigerators and freezers	37.0	36.0	41.1	41.2	-	1.8	.9	2.2	1.9	-
3633	Household laundry equipment	38.4	36.7	39.1	39.3	-	.7	.3	1.0	1.1	-
3634	Electric housewares and fans	38.1	39.0	39.5	38.8	-	1.3	1.4	1.4	1.0	-
364	Electric lighting and wiring equipment	39.5	39.4	40.3	39.4	-	2.1	1.9	2.5	2.1	-
3641	Electric lamps	40.1	40.3	40.0	39.5	-	2.2	2.0	1.7	1.6	-
3643	Current-carrying wiring devices	40.3	40.2	40.8	40.0	-	2.4	2.1	3.1	2.6	-
3644	Noncurrent-carrying wiring devices	39.2	39.0	41.6	40.6	-	1.7	1.4	2.8	2.7	-
3645	Residential lighting fixtures	37.7	37.1	38.9	37.3	-	1.1	.7	1.7	1.1	-
365	Radio and TV receiving equipment	37.9	37.7	39.0	38.3	-	1.4	1.1	1.5	1.6	-
3651	Radio and TV receiving sets	38.0	37.7	38.6	38.0	-	1.6	1.2	1.4	1.6	-
366	Communication equipment	40.4	40.1	40.5	40.0	-	2.2	2.0	2.1	1.8	-
3661	Telephone and telegraph apparatus	40.3	40.0	40.5	40.5	-	2.4	1.9	1.9	1.7	-
3662	Radio and TV communication equipment	40.4	40.3	40.6	39.7	-	2.0	2.0	2.2	1.8	-
367	Electronic components and accessories	39.9	39.5	39.8	39.7	-	2.6	2.3	2.3	2.1	-
3671-3	Electronic tubes	43.5	41.7	41.2	41.7	-	2.7	2.3	2.3	2.2	-
3674	Semiconductors and related devices	40.5	39.7	40.3	39.6	-	3.4	2.8	2.6	2.2	-
3679	Electronic components, nec	39.4	39.6	39.6	39.7	-	2.4	2.3	2.2	2.2	-
369	Misc. electrical equipment and supplies	39.1	39.1	40.1	40.2	-	1.3	1.3	2.2	2.2	-
3691	Storage batteries	37.5	37.8	39.1	39.6	-	.6	.7	1.5	1.7	-
3694	Engine electrical equipment	38.8	38.6	39.7	40.3	-	1.1	.9	2.1	2.4	-
37	TRANSPORTATION EQUIPMENT	39.8	39.9	41.1	41.0	41.7	2.9	2.6	3.2	3.2	-
371	Motor vehicles and equipment	38.6	38.8	41.0	41.3	-	2.1	1.5	2.8	3.3	-
3711	Motor vehicles and car bodies	37.9	38.7	41.0	41.6	-	2.1	1.6	2.6	3.5	-
3713	Truck and bus bodies	37.8	37.4	39.6	39.9	-	1.6	1.5	1.9	2.2	-
3714	Motor vehicle parts and accessories	39.4	39.0	41.4	41.6	-	2.2	1.5	3.2	3.5	-
3715.6	Truck trailers and motor homes	38.0	38.1	37.6	37.7	-	1.3	1.0	.9	1.0	-
372	Aircraft and parts	41.5	41.8	41.7	41.3	-	3.9	4.0	3.7	3.2	-
3721	Aircraft	40.9	41.3	41.6	-	-	3.1	3.2	3.2	-	-
3724	Aircraft engines and engine parts	41.4	41.7	40.8	40.1	-	4.4	4.7	3.6	3.0	-
3728	Aircraft equipment, nec	42.8	43.1	43.0	42.3	-	4.9	4.9	4.7	4.2	-
373	Ship and boat building and repairing	40.5	40.4	41.3	40.5	-	3.4	3.4	4.0	3.5	-
3731	Ship building and repairing	40.8	40.8	41.5	40.6	-	3.5	3.5	4.1	3.6	-
3732	Boat building and repairing	39.4	38.9	40.6	40.4	-	3.1	2.9	3.6	3.1	-
374	Railroad equipment	39.3	38.6	38.3	37.8	-	3.2	2.2	2.2	2.2	-

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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
	TRANSPORTATION EQUIPMENT—Continued										
376	Guided missiles, space vehicles, parts	\$355.49	\$366.53	\$399.10	\$396.59	-	\$8.98	\$9.05	\$9.83	\$9.89	-
3761	Guided missiles and space vehicles	368.83	371.59	403.61	401.00	-	9.04	9.13	10.04	10.05	-
379	Miscellaneous transportation equipment	267.29	271.03	284.42	285.29	-	7.09	7.17	7.04	7.15	-
3792	Travel trailers and campers	222.32	219.56	254.87	252.98	-	6.21	6.15	6.42	6.52	-
	INSTRUMENTS AND RELATED PRODUCTS	257.85	270.82	293.54	288.88	\$294.26	6.63	6.72	7.23	7.24	\$7.32
38	Engineering and scientific instruments	290.09	289.95	309.14	306.18	-	6.94	6.97	7.54	7.56	-
382	Measuring and controlling devices	275.93	278.94	292.13	285.51	-	5.73	6.82	7.16	7.12	-
3822	Environmental controls	249.05	244.90	268.40	262.77	-	6.18	6.20	6.71	6.79	-
3823	Process control instruments	285.98	291.89	303.00	300.42	-	6.62	6.71	7.18	7.17	-
3825	Instruments to measure electricity	298.98	301.66	303.96	293.60	-	7.31	7.43	7.45	7.34	-
383	Optical instruments and lenses	287.34	293.63	313.96	304.52	-	7.06	7.25	7.81	7.69	-
384	Medical instruments and supplies	222.05	223.65	247.56	245.07	-	5.65	5.72	6.22	5.22	-
3841	Surgical and medical instruments	217.49	216.91	245.42	242.80	-	5.37	5.45	6.03	6.07	-
3842	Surgical appliances and supplies	226.56	229.67	250.88	247.79	-	5.90	5.95	6.40	6.37	-
385	Ophthalmic goods	206.32	209.62	220.84	220.73	-	5.21	5.28	5.48	5.56	-
386	Photographic equipment and supplies	350.38	353.33	399.49	393.41	-	8.63	8.66	9.58	9.69	-
387	Watches, clocks, and watchcases	198.14	196.60	217.54	218.88	-	5.16	5.16	5.68	5.70	-
	MISCELLANEOUS MANUFACTURING										
39	INDUSTRIES	206.21	206.28	226.79	227.74	231.47	5.37	5.40	5.83	5.90	5.92
391	Jewelry, silverware, and plated ware	215.84	216.38	236.88	239.40	-	5.71	5.77	6.25	6.30	-
3911	Jewelry, precious metal	210.92	209.39	235.99	236.59	-	5.67	5.69	6.31	6.36	-
393	Musical instruments	206.27	205.67	219.79	220.22	-	5.33	5.37	5.65	5.72	-
394	Toys and sporting goods	188.93	189.20	211.43	211.14	-	4.92	4.94	5.38	5.47	-
3942, 4	Dolls, games, toys, and children's vehicles	181.98	181.44	197.49	199.06	-	4.84	4.80	5.17	5.28	-
3949	Sporting and athletic goods, nec	194.22	196.72	223.51	220.87	-	4.98	5.07	5.56	5.62	-
395	Pens, pencils, office and art supplies	220.65	221.20	236.21	236.81	-	5.53	5.53	5.98	5.95	-
396	Costume jewelry and notions	170.75	174.38	197.61	191.52	-	4.64	4.65	5.08	5.08	-
3961	Costume jewelry	159.12	162.58	180.96	174.80	-	4.42	4.43	4.80	4.75	-
399	Miscellaneous manufactures	228.14	225.55	245.36	248.45	-	5.88	5.92	6.34	6.42	-
3993	Signs and advertising displays	246.52	245.75	260.16	267.44	-	6.37	6.45	6.74	6.84	-
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	262.58	270.75	285.77	289.64	292.64	6.75	6.82	7.29	7.37	7.39
201	Meat products	261.67	278.03	281.78	286.69	-	6.85	6.92	7.30	7.37	-
2011	Meat packing plants	341.92	355.32	362.97	366.39	-	8.36	8.44	8.81	8.85	-
2013	Sausages and other prepared meats	299.90	321.58	329.55	338.05	-	7.81	7.96	8.45	8.58	-
2016	Poultry dressing plants	154.18	163.02	164.03	168.50	-	4.38	4.43	4.66	4.72	-
202	Dairy products	276.19	282.83	300.53	300.29	-	6.72	6.75	7.33	7.36	-
2022	Cheese, natural and processed	249.60	255.36	278.08	272.38	-	6.40	6.40	7.04	7.02	-
2026	Fluid milk	291.75	298.63	313.25	315.82	-	6.93	7.01	7.53	7.61	-
203	Preserved fruits and vegetables	216.02	221.16	241.55	246.01	-	5.73	5.82	6.34	6.44	-
2032	Canned specialties	227.94	224.46	269.25	269.80	-	6.55	6.45	7.03	7.10	-
2033	Canned fruits and vegetables	221.56	229.03	249.17	260.35	-	5.80	5.98	6.54	6.71	-
2037	Frozen fruits and vegetables	204.82	216.61	223.78	223.28	-	5.39	5.47	5.92	5.97	-
204	Grain mill products	315.42	315.42	333.48	339.75	-	7.51	7.51	7.94	8.07	-
2041	Flour and other grain mill products	322.15	333.58	353.42	358.23	-	7.58	7.53	7.96	8.05	-
2048	Prepared feeds, nec	258.26	256.81	272.54	276.78	-	5.12	6.10	6.52	6.59	-
205	Bakery products	267.72	278.78	292.60	296.43	-	6.99	7.13	7.60	7.64	-
2051	Bread, cake, and related products	268.22	279.41	287.27	293.76	-	7.04	7.22	7.62	7.65	-
2052	Cookies and crackers	265.39	277.26	308.39	302.84	-	5.84	6.88	7.54	7.59	-
206	Sugar and confectionery products	249.87	254.67	282.58	285.84	-	6.49	6.53	7.10	7.20	-
2061-3	Cane and beet sugar	327.41	334.97	357.00	359.04	-	8.31	8.17	8.50	8.61	-
2065	Confectionery products	213.76	213.56	243.57	249.23	-	5.64	5.62	6.31	6.44	-
207	Fats and oils	297.62	296.92	320.38	326.98	-	6.97	6.97	7.61	7.73	-
208	Beverages	322.77	329.99	339.70	352.69	-	7.95	7.99	8.60	8.73	-
2082	Malt beverages	465.65	472.42	474.86	500.02	-	10.68	10.64	11.47	11.71	-
2086	Bottled and canned soft drinks	235.22	245.83	250.00	256.75	-	5.97	6.10	6.46	6.50	-
209	Misc. foods and kindred products	213.30	221.71	240.79	238.45	-	5.86	5.96	6.37	6.41	-
21	TOBACCO MANUFACTURES	297.58	295.67	317.69	326.99	339.47	7.79	7.64	8.54	8.79	8.91
211	Cigarettes	341.25	340.86	377.25	385.06	-	8.91	8.74	10.06	10.16	-
22	TEXTILE MILL PRODUCTS	195.91	195.02	213.60	210.79	217.35	4.91	4.90	5.34	5.35	5.38
221	Weaving mills, cotton	210.53	206.64	218.50	218.80	-	5.11	5.04	5.49	5.47	-
222	Weaving mills, synthetics	204.02	207.77	232.96	232.93	-	5.05	5.08	5.60	5.64	-
223	Weaving and finishing mills, wool	203.31	204.80	231.99	228.22	-	5.07	5.12	5.55	5.58	-
224	Narrow fabric mills	180.18	180.12	200.16	197.87	-	4.55	4.56	4.93	4.91	-
225	Knitting mills	178.39	179.24	191.76	187.25	-	4.67	4.68	5.02	5.02	-

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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	40.7	40.5	40.6	40.1	-	3.5	3.2	3.2	2.9	-
3761	Guided missiles and space vehicles	40.8	40.7	40.2	39.9	-	3.0	2.9	2.7	2.6	-
379	Miscellaneous transportation equipment	37.7	37.8	40.4	39.9	-	1.6	1.1	2.1	2.4	-
3792	Travel trailers and campers	35.8	35.7	39.7	38.8	-	1.4	.8	1.9	2.0	-
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	41.8	41.6	41.0	40.5	-	2.7	2.9	3.0	2.4	-
381	Measuring and controlling devices	41.0	40.9	40.8	40.1	-	2.0	2.1	2.1	1.6	-
382	Environmental controls	40.3	39.5	40.0	38.7	-	1.6	1.2	2.2	1.3	-
3822	Process control instruments	43.2	43.5	42.2	41.9	-	3.6	3.9	2.9	2.4	-
3823	Instruments to measure electricity	40.9	40.6	40.8	40.0	-	1.5	1.5	1.7	1.3	-
383	Optical instruments and lenses	40.7	40.5	40.2	39.6	-	2.7	3.3	3.1	2.0	-
384	Medical instruments and supplies	39.3	39.1	39.8	39.4	-	2.0	1.7	2.2	1.6	-
3841	Surgical and medical instruments	40.5	39.8	40.7	40.0	-	2.2	1.8	2.3	1.7	-
3842	Surgical appliances and supplies	38.4	38.6	39.2	38.9	-	2.0	1.9	2.3	1.7	-
385	Ophthalmic goods	39.6	39.7	40.3	39.7	-	2.0	1.7	1.4	1.5	-
386	Photographic equipment and supplies	40.6	40.8	41.7	40.6	-	2.6	2.8	2.9	3.2	-
387	Watches, clocks, and watchcases	38.4	38.1	38.3	38.4	-	1.2	1.3	.7	.9	-
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	37.8	37.5	37.9	38.0	-	2.2	1.5	1.9	1.7	-
391	Jewelry, precious metal	37.2	36.8	37.4	37.2	-	2.4	1.5	2.2	1.8	-
3911	Musical instruments	38.7	38.3	38.9	38.5	-	1.2	1.1	1.0	.8	-
393	Toys and sporting goods	38.4	38.3	39.3	38.6	-	1.4	1.2	1.8	1.5	-
394	Dolls, games, toys, and children's vehicles	37.6	37.8	38.2	37.7	-	1.2	1.2	1.2	1.4	-
3942, 4	Sporting and athletic goods, nec	39.0	38.8	40.2	39.3	-	1.6	1.2	2.3	1.7	-
3949	Pens, pencils, office and art supplies	39.9	40.0	39.5	39.8	-	2.1	1.9	2.4	1.9	-
395	Costume jewelry and notions	36.8	37.5	38.9	37.7	-	1.8	1.7	2.1	1.6	-
396	Costume jewelry	36.0	36.7	37.7	36.8	-	1.2	1.4	1.7	1.1	-
3961	Miscellaneous manufactures	38.8	38.1	38.7	38.7	-	1.9	1.6	1.9	1.6	-
399	Signs and advertising displays	38.7	38.1	38.6	39.1	-	2.1	1.9	2.4	2.4	-
3993	NONDURABLE GOODS										
FOOD AND KINDRED PRODUCTS											
20	Meat products	38.2	39.6	38.6	38.9	-	3.5	4.0	3.2	3.1	-
201	Meat packing plants	40.9	42.1	41.2	41.4	-	4.9	5.3	4.2	4.1	-
2011	Sausages and other prepared meats	38.4	40.4	39.0	39.4	-	2.9	3.6	2.8	3.2	-
2013	Poultry dressing plants	35.2	36.8	35.2	35.7	-	2.2	2.7	2.0	1.9	-
2016	Dairy products	41.1	41.9	41.0	40.8	-	3.8	4.3	3.7	3.8	-
202	Cheese, natural and processed	39.0	39.9	39.5	38.8	-	3.1	3.5	3.5	3.5	-
2022	Fluid milk	42.1	42.6	41.6	41.5	-	4.2	4.5	3.9	4.0	-
2026	Preserved fruits and vegetables	37.7	38.0	38.1	38.2	-	2.8	2.6	2.9	2.6	-
203	Canned specialties	34.8	34.8	38.3	38.0	-	3.7	3.5	3.6	3.4	-
2032	Canned fruits and vegetables	38.2	38.3	38.1	38.8	-	2.9	2.5	2.6	2.4	-
2033	Frozen fruits and vegetables	38.0	39.6	37.8	37.4	-	3.2	2.9	3.0	2.2	-
2037	Grain mill products	42.0	42.0	42.0	42.1	-	5.3	4.8	5.0	5.0	-
204	Flour and other grain mill products	42.5	44.3	44.4	44.5	-	5.4	5.3	5.2	5.4	-
2041	Prepared feeds, nec	42.2	42.1	41.8	42.0	-	5.8	5.3	5.1	5.0	-
2048	Bakery products	38.3	39.1	38.5	38.8	-	3.1	3.3	2.8	3.1	-
205	Bread, cake, and related products	38.1	38.7	37.7	38.4	-	3.4	3.6	2.8	3.3	-
2051	Cookies and crackers	38.8	40.3	40.9	39.9	-	2.1	2.1	2.8	2.5	-
2052	Sugar and confectionery products	38.5	39.0	39.8	39.7	-	1.9	1.9	2.7	2.6	-
206	Cane and beet sugar	39.4	41.0	42.0	41.7	-	.9	1.5	3.3	3.5	-
2061-3	Confectionery products	37.9	38.0	38.6	38.7	-	2.1	1.9	2.6	2.4	-
2065	Fats and oils	42.7	42.6	42.1	42.3	-	4.9	4.7	4.5	4.2	-
207	Beverages	40.6	41.3	39.5	40.4	-	3.7	4.2	3.5	4.1	-
208	Malt beverages	43.6	44.4	41.4	42.7	-	5.5	6.1	5.5	6.3	-
2082	Bottled and canned soft drinks	39.4	40.3	38.7	39.5	-	3.3	3.9	2.8	3.5	-
2086	Misc. foods and kindred products	36.4	37.2	37.8	37.2	-	2.7	3.2	3.2	3.0	-
209	TOBACCO MANUFACTURES										
21	Cigarettes	38.2	38.7	37.2	37.2	38.1	1.9	1.7	1.0	1.2	-
211	Cigarettes	38.3	39.0	37.5	37.9	-	2.1	1.8	1.0	1.3	-
TEXTILE MILL PRODUCTS											
22	Weaving mills, cotton	41.2	41.0	39.8	40.0	-	4.4	3.7	3.0	2.8	-
221	Weaving mills, synthetics	40.4	40.9	41.6	41.3	-	3.0	3.1	3.8	3.5	-
222	Weaving and finishing mills, wool	40.1	40.0	41.8	40.9	-	2.8	2.9	3.8	3.6	-
223	Narrow fabric mills	39.6	39.5	40.6	40.3	-	2.6	2.2	2.6	2.2	-
224	Knitting mills	38.2	38.3	38.2	37.3	-	2.5	2.4	2.3	1.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
	TEXTILE MILL PRODUCTS—Continued										
2251	Women's hosiery, except socks	\$161.04	\$160.15	\$176.60	\$173.26	-	\$4.40	\$4.34	\$4.76	\$4.76	-
2252	Hosiery, nec	155.01	156.20	181.93	177.34	-	4.33	4.40	4.75	4.78	-
2253	Knit outerwear mills	173.71	178.94	184.99	179.34	-	4.62	4.66	4.92	4.90	-
2254	Knit underwear mills	167.26	169.72	176.90	170.87	-	4.57	4.55	4.86	4.91	-
2257	Circular knit fabric mills	212.85	207.26	219.45	214.27	-	5.08	5.08	5.50	5.48	-
226	Textile finishing, except wool	214.95	211.41	238.56	229.64	-	5.23	5.22	5.68	5.67	-
2261	Finishing plants, cotton	219.63	217.18	243.02	226.76	-	5.37	5.31	5.80	5.77	-
2262	Finishing plants, synthetics	221.24	214.94	247.35	244.53	-	5.37	5.36	5.82	5.85	-
227	Floor covering mills	193.33	194.93	216.78	214.01	-	4.97	5.05	5.53	5.53	-
228	Yarn and thread mills	185.78	183.66	200.90	196.00	-	4.61	4.58	5.01	5.00	-
2281	Yarn mills, except wool	188.03	186.86	201.80	195.89	-	4.62	4.58	5.02	5.01	-
2282	Throwing and winding mills	173.66	166.70	188.94	186.92	-	4.43	4.41	4.82	4.83	-
229	Miscellaneous textile goods	215.06	210.94	248.05	245.09	-	5.31	5.30	5.92	5.92	-
23	APPAREL AND OTHER TEXTILE PRODUCTS **	157.44	157.09	176.85	174.59	\$179.42	4.46	4.45	4.94	4.96	\$4.97
231	Men's and boys' suits and coats	190.28	193.09	206.55	199.15	-	5.36	5.29	5.69	5.69	-
232	Men's and boys' furnishings	151.32	152.15	164.06	162.69	-	4.18	4.18	4.57	4.57	-
2321	Men's and boys' shirts and nightwear	145.71	147.38	158.42	157.88	-	4.07	4.06	4.45	4.46	-
2327	Men's and boys' separate trousers	150.58	151.51	167.44	162.98	-	4.29	4.28	4.73	4.67	-
2328	Men's and boys' work clothing	152.97	154.19	161.45	162.71	-	4.09	4.09	4.46	4.47	-
233	Women's and misses' outerwear	151.20	148.95	166.55	163.84	-	4.50	4.50	4.87	4.92	-
2331	Women's and misses' blouses and waists	146.54	143.98	155.84	154.85	-	4.26	4.21	4.57	4.65	-
2335	Women's and misses' dresses	147.02	141.98	165.00	162.50	-	4.58	4.58	5.00	5.00	-
2337	Women's and misses' suits and coats	162.96	165.39	179.92	176.88	-	4.85	4.85	5.20	5.36	-
2339	Women's and misses' outerwear, nec	154.00	150.58	167.68	164.02	-	4.40	4.39	4.75	4.81	-
234	Women's and children's undergarments	146.32	147.60	162.79	159.49	-	4.11	4.10	4.46	4.48	-
2341	Women's and children's underwear	145.40	147.02	161.41	158.42	-	4.05	4.05	4.41	4.45	-
2342	Brassieres and allied garments	149.02	149.04	167.90	164.72	-	4.37	4.32	4.69	4.64	-
236	Children's outerwear	145.38	148.32	160.47	156.90	-	4.13	4.12	4.47	4.47	-
2361	Children's dresses and blouses	139.54	144.38	157.52	155.35	-	4.08	4.09	4.40	4.49	-
238	Misc. apparel and accessories	157.44	158.24	177.23	173.15	-	4.41	4.42	4.79	4.77	-
239	Misc. fabricated textile products	178.93	176.97	223.69	225.02	-	4.81	4.77	5.81	5.86	-
2391	Curtains and draperies	142.56	142.44	156.52	159.28	-	3.96	3.99	4.30	4.34	-
2392	House furnishing, nec	161.18	164.42	184.21	185.09	-	4.38	4.42	4.76	4.82	-
2396	Automotive and apparel trimmings	270.11	261.93	384.74	396.34	-	7.32	7.06	9.43	9.62	-
26	PAPER AND ALLIED PRODUCTS	321.99	318.24	352.34	355.31	360.39	7.63	7.65	8.31	8.38	8.44
261, 2, 6	Paper and pulp mills	402.70	388.96	430.39	433.22	-	8.87	8.84	9.65	9.67	-
262	Paper mills, except building paper	404.80	388.50	432.45	436.75	-	8.80	8.75	9.61	9.62	-
263	Paperboard mills	395.45	386.01	433.29	441.12	-	9.07	9.04	9.87	9.98	-
264	Misc. converted paper products	263.74	271.88	302.09	298.28	-	6.71	6.78	7.35	7.42	-
2641	Paper coating and glazing	302.17	313.25	347.31	346.94	-	7.37	7.53	8.23	8.32	-
2642	Envelopes	244.73	244.11	272.70	272.92	-	5.18	6.18	6.75	6.84	-
2643	Bags, except textile bags	256.24	257.84	284.41	277.90	-	6.39	6.43	6.92	7.00	-
265	Paperboard containers and boxes	274.32	275.93	302.00	309.00	-	6.74	6.83	7.33	7.41	-
2651	Folding paperboard boxes	283.84	287.45	316.40	315.42	-	6.80	6.96	7.48	7.51	-
2653	Corrugated and solid fiber boxes	286.59	284.92	313.53	321.86	-	6.99	7.07	7.61	7.70	-
2654	Sanitary food containers	261.20	269.94	291.48	296.10	-	6.53	6.60	6.94	7.00	-
27	PRINTING AND PUBLISHING	270.11	274.54	297.11	295.57	300.58	7.34	7.44	8.03	8.01	8.08
271	Newspapers	254.17	257.28	269.10	270.73	-	7.61	7.68	8.13	8.13	-
272	Periodicals	244.63	248.83	285.36	289.48	-	5.93	6.97	7.63	7.74	-
273	Books	245.80	253.72	273.94	276.71	-	6.52	6.59	7.19	7.15	-
2731	Book publishing	235.25	240.67	265.41	268.22	-	6.29	6.35	7.04	7.04	-
2732	Book printing	257.18	267.74	283.71	285.71	-	5.75	6.83	7.35	7.27	-
274	Miscellaneous publishing	224.64	234.78	234.61	239.43	-	6.24	6.38	6.84	6.90	-
275	Commercial printing	287.28	294.10	323.47	318.97	-	7.60	7.76	8.38	8.35	-
2751	Commercial printing, letterpress	266.70	274.14	296.38	294.86	-	7.15	7.33	7.82	7.78	-
2752	Commercial printing, lithographic	296.42	300.99	336.40	330.91	-	7.78	7.90	8.67	8.64	-
276	Manifold business forms	294.44	294.19	313.22	312.45	-	7.27	7.30	7.85	7.91	-
278	Blankbooks and bookbinding	221.70	223.29	240.48	237.63	-	5.67	5.74	6.23	6.27	-
279	Printing trade services	351.56	352.13	377.58	374.34	-	9.40	9.39	10.15	10.09	-
28	CHEMICALS AND ALLIED PRODUCTS	337.79	337.42	367.74	370.66	375.42	8.12	8.17	8.84	8.91	8.96
281	Industrial inorganic chemicals	362.15	362.97	403.52	409.28	-	8.79	8.81	9.70	9.91	-
2819	Industrial inorganic chemicals, nec	366.68	367.50	402.94	407.77	-	8.90	8.92	9.78	9.97	-
282	Plastics materials and synthetics	339.42	337.02	366.45	376.94	-	8.12	8.22	8.83	8.89	-
2821	Plastics materials and resins	367.98	375.65	411.61	424.42	-	8.72	9.03	9.55	9.69	-
2824	Organic fibers, noncellulosic	319.49	309.46	331.67	341.96	-	7.68	7.66	8.23	8.24	-
283	Drugs	307.91	310.49	329.67	329.26	-	7.51	7.61	8.12	8.09	-
2834	Pharmaceutical preparations	290.56	293.86	313.50	312.38	-	7.21	7.31	7.76	7.79	-

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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
		TEXTILE MILL PRODUCTS—Continued									
2251	Women's hosiery, except socks	36.6	36.9	37.1	36.4	-	1.9	1.7	1.8	1.4	-
2252	Hosiery, nec	35.8	35.5	38.3	37.1	-	1.3	1.3	2.0	1.6	-
2253	Knit outerwear mills	37.6	38.4	37.6	36.6	-	2.3	2.3	2.1	1.6	-
2254	Knit underwear mills	36.6	37.3	36.4	34.8	-	1.7	1.6	1.2	.7	-
2257	Circular knit fabric mills	41.9	40.8	39.9	39.1	-	4.5	4.2	2.9	2.2	-
226	Textile finishing, except wool	41.1	40.5	42.0	40.5	-	3.6	3.3	3.9	3.3	-
2261	Finishing plants, cotton	40.9	40.9	41.9	39.3	-	3.7	3.4	4.1	3.0	-
2262	Finishing plants, synthetics	41.2	40.1	42.5	41.8	-	3.6	3.1	4.1	3.6	-
227	Floor covering mills	38.9	38.6	39.2	38.7	-	3.3	2.5	3.1	3.0	-
228	Yarn and thread mills	40.3	40.1	40.1	39.2	-	3.8	3.5	3.2	2.6	-
2281	Yarn mills, except wool	40.7	40.8	40.2	39.1	-	4.0	3.7	3.3	2.5	-
2282	Throwing and winding mills	39.2	37.8	39.2	38.7	-	3.4	3.1	3.1	2.7	-
229	Miscellaneous textile goods	40.5	39.8	41.9	41.4	-	2.8	2.3	3.8	3.2	-
23	APPAREL AND OTHER TEXTILE PRODUCTS **	35.3	35.3	35.8	35.2	36.1	.9	.9	1.1	.8	-
231	Men's and boys' suits and coats	35.5	36.5	36.3	35.0	-	.6	.9	.7	.3	-
232	Men's and boys' furnishings	36.2	36.4	35.9	35.6	-	1.0	1.0	.8	.6	-
2321	Men's and boys' shirts and nightwear	35.8	36.3	35.6	35.4	-	1.0	.9	.9	.7	-
2327	Men's and boys' separate trousers	35.1	35.4	35.4	34.9	-	.8	.9	.8	.5	-
2328	Men's and boys' work clothing	37.4	37.7	36.2	36.4	-	1.3	1.4	.7	.5	-
233	Women's and misses' outerwear	33.6	33.1	34.2	33.3	-	.8	.7	1.0	.8	-
2331	Women's and misses' blouses and waists	34.4	34.2	34.1	33.3	-	.9	.8	.9	.7	-
2335	Women's and misses' dresses	32.1	31.0	33.0	32.5	-	.6	.7	1.0	.8	-
2337	Women's and misses' suits and coats	33.6	34.1	34.6	33.0	-	.7	.8	.9	.5	-
2339	Women's and misses' outerwear, nec	35.0	34.3	35.3	34.1	-	1.1	.7	1.2	.8	-
234	Women's and children's undergarments	35.6	36.0	36.5	35.6	-	.8	.9	1.2	.9	-
2341	Women's and children's underwear	35.9	36.3	36.6	35.6	-	.7	.9	1.3	.9	-
2342	Brassieres and allied garments	34.1	34.5	35.8	35.5	-	1.0	.7	1.0	.8	-
236	Children's outerwear	35.2	36.0	35.9	35.1	-	1.0	1.0	1.2	.5	-
2361	Children's dresses and blouses	34.2	35.3	35.8	34.6	-	.7	.9	1.2	.5	-
238	Misc. apparel and accessories	35.7	35.8	37.0	36.3	-	1.1	1.0	1.3	.8	-
239	Misc. fabricated textile products	37.2	37.1	38.5	38.4	-	1.3	1.1	1.7	1.7	-
2391	Curtains and draperies	36.0	35.7	36.4	36.7	-	.6	.6	.3	.8	-
2392	House furnishings, nec	36.8	37.2	38.7	38.4	-	1.5	1.5	1.7	1.5	-
2396	Automotive and apparel trimmings	36.9	37.1	40.8	41.2	-	1.1	.8	2.2	2.4	-
26	PAPER AND ALLIED PRODUCTS	42.2	41.6	42.4	42.4	42.7	4.1	3.7	4.3	4.3	-
261, 2, 6	Paper and pulp mills	45.4	44.0	44.6	44.8	-	6.8	6.0	6.3	5.4	-
262	Paper mills, except building paper	46.0	44.4	45.0	45.4	-	7.0	6.1	6.6	5.6	-
263	Paperboard mills	43.6	42.7	43.9	44.2	-	7.0	6.3	7.1	7.5	-
264	Misc. converted paper products	40.2	40.1	41.1	40.2	-	2.8	2.5	2.8	2.3	-
2641	Paper coating and glazing	41.0	41.6	42.2	41.7	-	3.2	3.0	3.1	2.7	-
2642	Envelopes	39.6	39.5	40.4	39.9	-	2.6	2.1	2.1	1.5	-
2643	Bags, except textile bags	40.1	40.1	41.1	39.7	-	2.5	2.3	2.9	2.3	-
265	Paperboard containers and boxes	40.7	40.4	41.2	41.7	-	2.1	2.0	3.1	3.2	-
2651	Folding paperboard boxes	41.3	41.3	42.3	42.0	-	3.2	3.4	4.0	3.7	-
2653	Corrugated and solid fiber boxes	41.0	40.3	41.2	41.8	-	1.2	1.2	3.0	3.3	-
2654	Sanitary food containers	40.0	40.9	42.0	42.3	-	3.1	2.6	3.2	3.3	-
27	PRINTING AND PUBLISHING	36.8	36.9	37.0	36.9	37.2	2.3	2.3	2.3	2.1	-
271	Newspapers	33.4	33.5	33.1	33.3	-	1.8	1.7	1.3	1.3	-
272	Periodicals	35.3	35.7	37.4	37.4	-	2.1	1.9	2.3	2.5	-
273	Books	37.7	38.5	38.1	38.7	-	2.5	2.5	2.5	2.3	-
2731	Book publishing	37.4	37.9	37.7	38.1	-	1.6	1.4	2.0	2.0	-
2732	Book printing	38.1	39.2	38.6	39.3	-	3.4	3.6	3.0	2.6	-
274	Miscellaneous publishing	36.0	36.8	34.3	34.7	-	1.4	2.0	1.3	1.7	-
275	Commercial printing	37.8	37.9	38.6	38.2	-	2.7	2.5	2.9	2.5	-
2751	Commercial printing, letterpress	37.3	37.4	37.9	37.9	-	2.2	2.0	2.3	2.0	-
2752	Commercial printing, lithographic	38.1	38.1	38.8	38.3	-	2.9	2.8	3.2	2.7	-
276	Manifold business forms	40.5	40.3	39.9	39.5	-	3.1	2.7	2.3	2.2	-
278	Blankbooks and bookbinding	39.1	38.9	38.6	37.9	-	2.0	1.9	1.7	1.2	-
279	Printing trade service	37.4	37.5	37.2	37.1	-	3.0	2.9	3.0	2.9	-
28	CHEMICALS AND ALLIED PRODUCTS	41.6	41.3	41.6	41.6	41.9	3.3	2.9	3.3	3.2	-
281	Industrial inorganic chemicals	41.2	41.2	41.6	41.3	-	3.2	2.9	3.2	3.2	-
2819	Industrial inorganic chemicals, nec	41.2	41.2	41.2	40.9	-	3.1	2.9	3.0	3.0	-
282	Plastics materials and synthetics	41.8	41.0	41.5	42.4	-	3.0	2.4	3.1	3.4	-
2821	Plastics materials and resins	42.2	41.6	43.1	43.8	-	4.0	3.4	4.4	4.8	-
2824	Organic fibers, noncellulosic	41.6	40.4	40.3	41.5	-	2.2	1.4	1.8	2.1	-
283	Drugs	41.0	40.8	40.6	40.7	-	3.1	2.9	3.0	2.8	-
2834	Pharmaceutical preparations	40.3	40.2	40.4	40.1	-	3.1	2.8	3.0	2.7	-

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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	\$296.74	\$302.60	\$326.40	\$320.00	-	\$7.40	\$7.49	\$8.00	\$8.00	-
2841	Soap and other detergents	400.06	411.16	441.58	435.55	-	9.64	9.72	10.39	10.47	-
2844	Toilet preparations	231.87	240.60	264.47	249.99	-	5.87	6.00	6.53	6.41	-
2842, 3	Polishing, sanitation, and finishing preparations	275.10	271.67	301.39	311.63	-	7.00	7.02	7.63	7.83	-
285	Paints and allied products	290.47	289.41	324.80	328.41	-	7.28	7.29	8.00	8.01	-
286	Industrial organic chemicals	416.10	410.65	444.87	452.82	-	9.50	9.55	10.37	10.58	-
2865	Cyclic crudes and intermediates	374.03	353.05	389.05	411.27	-	8.78	8.59	9.63	9.91	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	430.95	430.88	463.22	467.64	-	9.75	9.86	10.60	10.80	-
287	Agricultural chemicals	337.03	337.70	374.52	375.26	-	7.73	7.71	8.59	8.49	-
289	Miscellaneous chemical products	312.42	311.30	338.25	341.12	-	7.62	7.63	8.21	8.32	-
29	PETROLEUM AND COAL PRODUCTS	404.01	425.96	478.40	492.48	\$489.06	9.83	10.07	11.23	11.40	\$11.40
291	Petroleum refining	446.20	461.78	515.03	534.69	-	10.83	10.84	12.09	12.32	-
295	Paving and roofing materials	302.25	312.23	356.21	355.64	-	7.39	7.56	8.17	8.29	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	250.11	247.26	284.49	285.22	289.78	6.30	6.34	6.99	7.06	7.12
301	Tires and inner tubes	365.04	353.77	439.74	445.30	-	9.36	9.51	10.52	10.73	-
302	Rubber and plastics footwear	176.95	181.25	179.45	176.97	-	4.38	4.41	4.71	4.77	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	272.30	261.90	316.92	324.37	-	6.74	6.75	7.51	7.76	-
306	Fabricated rubber products, nec	239.51	235.78	266.79	265.73	-	6.11	6.14	6.62	6.66	-
307	Miscellaneous plastics products	232.62	231.08	261.46	261.55	-	5.83	5.88	6.44	6.49	-
31	LEATHER AND LEATHER PRODUCTS	165.88	167.61	179.95	178.10	183.39	4.52	4.53	4.89	4.92	4.97
311	Leather tanning and finishing	244.02	240.80	264.21	261.45	-	5.04	6.02	6.46	6.52	-
314	Footwear, except rubber	159.94	162.06	171.59	170.65	-	4.37	4.38	4.74	4.78	-
3143	Men's footwear, except athletic	172.88	170.94	188.00	186.61	-	4.61	4.62	5.00	5.03	-
3144	Women's footwear, except athletic	149.58	156.09	158.58	156.49	-	3.19	4.23	4.57	4.63	-
316	Luggage	176.66	179.19	194.43	187.98	-	4.88	4.95	4.96	4.96	-
317	Handbags and personal leather goods	153.15	156.65	164.68	159.00	-	4.29	4.28	4.60	4.53	-
-	TRANSPORTATION AND PUBLIC UTILITIES	344.05	342.70	371.54	374.92	377.45	8.71	8.72	9.43	9.54	9.58
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	420.20	409.88	452.12	-	-	9.55	9.51	10.49	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	212.78	213.35	217.37	223.77	-	6.24	6.22	6.45	6.64	-
411	Local and suburban transportation	276.00	273.53	277.48	287.73	-	6.90	6.96	7.17	7.34	-
413	Intercity highway transportation	347.33	337.46	336.17	357.31	-	9.49	9.40	10.44	10.73	-
42	TRUCKING AND WAREHOUSING	350.24	355.94	380.05	385.67	-	9.05	9.15	9.72	9.94	-
421, 3	Trucking and trucking terminals	357.59	363.72	387.48	393.82	-	9.24	9.35	9.91	10.15	-
422	Public warehousing	241.42	246.27	261.67	265.34	-	6.37	6.43	6.85	6.91	-
46	PIPE LINES, EXCEPT NATURAL GAS	458.60	435.42	478.84	484.21	-	10.74	10.62	11.32	11.42	-
48	COMMUNICATION	328.72	325.84	356.96	362.58	-	8.28	8.27	9.06	9.11	-
481	Telephone communication	338.00	335.02	370.40	375.87	-	8.45	8.46	9.33	9.35	-
4817	Switchboard operating employees ³	218.67	225.08	248.30	271.10	-	6.92	6.99	7.57	7.68	-
4818	Line construction employees ⁴	429.71	428.43	466.28	469.99	-	10.04	10.01	10.92	10.93	-
483	Radio and television broadcasting	278.21	275.15	295.60	302.44	-	7.36	7.26	7.82	7.98	-
49	ELECTRIC, GAS, AND SANITARY SERVICES ..	360.64	365.29	399.51	404.07	-	8.69	8.76	9.65	9.69	-
491	Electric services	376.94	384.38	409.78	413.56	-	8.89	8.96	9.78	9.80	-
492	Gas production and distribution	330.08	330.46	366.87	369.41	-	8.15	8.20	8.97	9.01	-
493	Combination utility services	383.35	386.63	439.60	445.12	-	9.35	9.43	10.67	10.70	-
495	Sanitary services	284.41	286.21	309.32	314.61	-	6.92	6.93	7.60	7.73	-
-	WHOLESALE AND RETAIL TRADE	171.72	172.90	186.93	188.43	188.48	5.40	5.42	5.86	5.87	5.89
50, 51	WHOLESALE TRADE	263.81	265.27	286.44	288.37	291.04	6.87	6.89	7.44	7.49	7.54
50	WHOLESALE TRADE-DURABLE GOODS	264.32	265.78	289.03	290.19	-	6.83	6.85	7.43	7.46	-
501	Motor vehicles and automotive equipment	242.19	242.57	264.41	265.95	-	6.34	6.35	6.85	6.89	-
502	Furniture and home furnishings	231.26	228.78	253.95	256.41	-	6.20	6.15	6.79	5.93	-
503	Lumber and construction materials	262.13	267.33	294.53	296.42	-	5.88	6.98	7.65	7.62	-
504	Sporting goods, toys, and hobby goods	258.00	259.50	294.03	293.14	-	6.88	6.92	7.82	7.88	-

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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	40.1	40.4	40.8	40.0	-	2.5	2.4	2.8	2.1	-
2841	Soap and other detergents	41.5	42.3	42.5	41.6	-	3.7	3.8	3.7	3.1	-
2844	Toilet preparations	39.5	40.1	40.5	39.0	-	2.0	2.0	2.6	1.5	-
2842, 3	Polishing, sanitation, and finishing preparations	39.3	38.7	39.5	39.8	-	1.9	1.3	2.1	2.0	-
285	Paints and allied products	39.9	39.7	40.6	41.0	-	2.2	1.8	2.9	2.9	-
286	Industrial organic chemicals	43.8	43.0	42.9	42.8	-	4.1	3.3	3.8	3.9	-
2865	Cyclic crudes and intermediates	42.6	41.1	40.4	41.5	-	4.0	2.5	3.4	4.0	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	44.2	43.7	43.7	43.3	-	4.1	3.6	4.0	3.8	-
287	Agricultural chemicals	43.6	43.8	43.6	44.2	-	5.2	5.1	5.3	5.4	-
289	Miscellaneous chemical products	41.0	40.8	41.2	41.0	-	3.1	2.8	3.2	3.0	-
29	PETROLEUM AND COAL PRODUCTS	41.1	42.3	42.6	43.2	42.9	3.6	3.7	3.6	3.9	-
291	Petroleum refining	41.2	42.6	42.6	43.4	-	3.5	3.6	3.3	3.8	-
295	Paving and roofing materials	40.9	41.3	43.6	42.9	-	4.2	4.3	5.7	5.3	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	39.7	39.0	40.7	40.4	40.7	2.4	2.1	3.1	2.8	-
301	Tires and inner tubes	39.0	37.2	41.8	41.5	-	1.4	.8	3.1	2.9	-
302	Rubber and plastics footwear	40.4	41.1	38.1	37.1	-	2.8	2.9	2.2	1.8	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	40.4	38.8	42.2	41.8	-	1.8	1.3	3.5	2.7	-
306	Fabricated rubber products, nec	39.2	38.4	40.3	39.9	-	2.0	1.6	2.6	2.4	-
307	Miscellaneous plastics products	39.9	39.3	40.6	40.3	-	2.7	2.4	3.2	3.0	-
31	LEATHER AND LEATHER PRODUCTS	36.7	37.0	36.8	36.2	36.9	1.6	1.6	1.3	1.0	-
311	Leather tanning and finishing	40.4	40.0	40.9	40.1	-	3.4	3.0	3.3	3.3	-
314	Footwear, except rubber	36.6	37.0	36.2	35.7	-	1.4	1.4	.9	.7	-
3143	Men's footwear, except athletic	37.5	37.0	37.6	37.1	-	1.4	1.2	1.0	.8	-
3144	Women's footwear, except athletic	35.7	36.9	34.7	33.8	-	1.4	1.7	.8	.7	-
316	Luggage	36.2	36.2	39.2	37.9	-	2.9	2.1	1.7	.9	-
317	Handbags and personal leather goods	35.7	36.6	35.8	35.1	-	1.4	1.4	1.6	1.1	-
-	TRANSPORTATION AND PUBLIC UTILITIES	39.5	39.3	39.4	39.3	39.4	-	-	-	-	-
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	44.0	43.1	43.1	-	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	34.1	34.3	33.7	33.7	-	-	-	-	-	-
411	Local and suburban transportation	40.0	39.3	38.7	39.2	-	-	-	-	-	-
413	Intercity highway transportation	36.6	35.9	32.2	33.3	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	38.7	38.9	39.1	38.8	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	38.7	38.9	39.1	38.8	-	-	-	-	-	-
422	Public warehousing	37.9	38.3	38.2	38.4	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	42.7	41.0	42.3	42.4	-	-	-	-	-	-
48	COMMUNICATION	39.7	39.4	39.4	39.8	-	-	-	-	-	-
481	Telephone communication	40.0	39.6	39.7	40.2	-	-	-	-	-	-
4817	Switchboard operating employees ³	31.6	32.2	32.8	35.3	-	-	-	-	-	-
4818	Line construction employees ⁴	42.8	42.8	42.7	43.0	-	-	-	-	-	-
483	Radio and television broadcasting	37.8	37.9	37.8	37.9	-	-	-	-	-	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.5	41.7	41.4	41.7	-	-	-	-	-	-
491	Electric services	42.4	42.9	41.9	42.2	-	-	-	-	-	-
492	Gas production and distribution	40.5	40.3	40.9	41.0	-	-	-	-	-	-
493	Combination utility services	41.0	41.0	41.2	41.6	-	-	-	-	-	-
495	Sanitary services	41.1	41.3	40.7	40.7	-	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE	31.8	31.9	31.9	32.1	32.0	-	-	-	-	-
50, 51	WHOLESALE TRADE	38.4	38.5	38.5	38.5	38.6	-	-	-	-	-
50	WHOLESALE TRADE-DURABLE GOODS	38.7	38.8	38.9	38.9	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	38.2	38.2	38.6	38.6	-	-	-	-	-	-
502	Furniture and home furnishings	37.3	37.2	37.4	37.0	-	-	-	-	-	-
503	Lumber and construction materials	38.1	38.3	38.5	38.9	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	37.5	37.5	37.6	37.2	-	-	-	-	-	-

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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	\$317.20	\$322.00	\$345.14	\$343.87	-	\$7.99	\$8.05	\$8.65	\$8.64	-
506	Electrical goods	274.00	274.63	308.10	305.75	-	7.08	7.06	7.90	7.86	-
507	Hardware, plumbing, and heating equipment	247.56	249.22	264.58	266.95	-	6.43	6.49	6.89	6.97	-
508	Machinery, equipment, and supplies	277.14	278.24	299.86	300.27	-	7.07	7.08	7.63	7.66	-
509	Miscellaneous durable goods	222.34	223.11	239.17	238.85	-	5.76	5.78	6.18	6.22	-
51	WHOLESALE TRADE-NONDURABLE GOODS	262.27	264.80	282.73	287.27	-	6.92	6.95	7.46	7.54	-
511	Paper and paper products	291.20	289.38	313.22	310.16	-	8.00	7.95	8.42	8.36	-
512	Drugs, proprietaries, and sundries	267.12	269.38	288.97	292.67	-	7.20	7.32	7.81	7.91	-
513	Apparel, piece goods, and notions	228.23	228.49	245.81	250.18	-	6.27	6.26	6.59	6.78	-
514	Groceries and related products	261.06	263.89	282.34	286.14	-	6.87	6.89	7.43	7.53	-
516	Chemicals and allied products	320.66	323.90	348.59	345.54	-	8.18	8.20	8.87	8.86	-
517	Petroleum and petroleum products	349.46	343.94	369.47	379.66	-	8.65	8.62	9.26	9.26	-
518	Beer, wine, and distilled beverages	286.41	293.14	311.33	321.29	-	7.72	7.88	8.46	8.66	-
519	Miscellaneous nondurable goods	216.40	219.25	232.26	236.23	-	5.65	5.68	6.08	6.12	-
52-59	RETAIL TRADE	142.56	144.12	154.96	157.12	\$156.60	4.80	4.82	5.20	5.22	\$5.22
52	BUILDING MATERIALS AND GARDEN SUPPLIES	190.17	191.94	206.08	207.20	-	5.21	5.23	5.60	5.60	-
521	Lumber and other building materials	209.44	213.24	226.79	228.92	-	5.44	5.51	5.83	5.90	-
525	Hardware stores	153.64	154.44	164.67	166.70	-	4.60	4.61	4.96	4.86	-
53	GENERAL MERCHANDISE STORES	135.46	138.04	144.94	148.26	-	4.72	4.76	5.05	5.06	-
531	Department stores	140.71	143.84	150.72	154.18	-	4.92	4.96	5.27	5.28	-
533	Variety stores	113.19	113.59	117.33	120.77	-	3.85	3.89	4.06	4.08	-
539	Misc. general merchandise stores	109.53	111.34	125.04	125.58	-	3.79	3.80	4.21	4.20	-
54	FOOD STORES	185.12	190.02	207.40	214.09	-	6.03	6.11	6.80	6.84	-
541	Grocery stores	192.20	197.50	217.14	223.65	-	6.22	6.31	7.05	7.10	-
546	Retail bakeries	134.90	136.12	136.12	140.45	-	4.62	4.63	4.81	4.86	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	208.50	210.19	228.00	230.86	-	5.62	5.62	6.08	6.14	-
551.2	New and used car dealers	246.62	248.41	273.02	273.79	-	6.49	6.52	7.11	7.13	-
553	Auto and home supply stores	208.79	210.42	218.95	227.77	-	5.13	5.17	5.46	5.68	-
554	Gasoline service stations	153.08	155.40	168.03	170.76	-	4.45	4.44	4.76	4.81	-
56	APPAREL AND ACCESSORY STORES	119.28	119.71	128.24	134.50	-	4.26	4.26	4.58	4.67	-
561	Men's and boys' clothing and furnishings	154.40	152.79	162.96	167.27	-	4.84	4.82	5.24	5.26	-
562	Women's ready-to-wear stores	106.13	107.20	115.51	117.50	-	3.99	4.03	4.31	4.32	-
565	Family clothing stores	113.98	113.16	125.66	129.76	-	4.16	4.10	4.52	4.49	-
566	Shoe stores	122.80	125.21	130.01	149.00	-	4.37	4.44	4.66	5.00	-
57	FURNITURE AND HOME FURNISHINGS STORES	185.80	185.80	201.68	201.00	-	5.37	5.37	5.88	5.86	-
571	Furniture and home furnishings	190.16	190.36	201.24	201.58	-	5.48	5.47	5.85	5.86	-
572	Household appliance stores	194.86	196.06	215.78	217.89	-	5.52	5.57	6.13	6.19	-
573	Radio, television, and music stores	169.32	166.66	194.30	188.27	-	4.98	4.96	5.80	5.62	-
58	EATING AND DRINKING PLACES ⁵	94.69	94.94	101.01	100.88	-	3.67	3.68	3.90	3.91	-
59	MISCELLANEOUS RETAIL	148.15	148.80	159.23	159.63	-	4.81	4.80	5.12	5.10	-
591	Drug stores and proprietary stores	129.36	129.94	135.07	134.50	-	4.43	4.45	4.69	4.67	-
594	Miscellaneous shopping goods stores	134.98	134.54	143.02	143.18	-	4.56	4.53	4.72	4.71	-
596	Nonstore retailers	185.08	186.47	207.37	207.17	-	5.73	5.72	6.19	6.24	-
598	Fuel and ice dealers	237.99	232.74	261.32	256.03	-	6.23	6.19	6.77	6.72	-
599	Retail stores, nec	154.63	159.87	166.26	172.37	-	4.70	4.73	5.10	5.04	-
-	FINANCE, INSURANCE, AND REAL ESTATE ⁶	205.62	205.77	224.70	224.33	224.80	5.68	5.70	6.19	6.18	6.21
60	BANKING	175.93	175.32	194.14	193.41	-	4.86	4.87	5.29	5.27	-
602	Commercial and stock savings banks	172.56	172.44	190.84	190.62	-	4.78	4.79	5.20	5.18	-
61	CREDIT AGENCIES OTHER THAN BANKS	184.37	183.96	201.66	199.29	-	5.01	5.04	5.54	5.49	-
612	Savings and loan associations	176.54	174.47	191.63	188.76	-	4.85	4.86	5.25	5.20	-
614	Personal credit institutions	176.05	178.49	196.71	194.38	-	4.81	4.89	5.51	5.46	-
63	INSURANCE CARRIERS	232.13	236.50	255.44	254.32	-	6.19	6.29	6.83	6.80	-
631	Life insurance	240.64	248.06	263.71	264.33	-	6.40	6.46	7.07	7.03	-
632	Medical service and health insurance	226.35	226.10	243.20	241.42	-	5.91	5.95	6.40	6.37	-
633	Fire, marine, and casualty insurance	225.46	229.01	250.12	247.66	-	6.11	6.24	6.76	6.73	-

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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	39.7	40.0	39.9	39.8	-	-	-	-	-	
506	Electrical goods	38.7	38.9	39.0	38.9	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment	38.5	38.4	38.4	38.3	-	-	-	-	-	
508	Machinery, equipment, and supplies	39.2	39.3	39.3	39.2	-	-	-	-	-	
509	Miscellaneous durable goods	38.6	38.6	38.7	38.4	-	-	-	-	-	
51	WHOLESALE TRADE-NONDURABLE GOODS	37.9	38.1	37.9	38.1	-	-	-	-	-	
511	Paper and paper products	36.4	36.4	37.2	37.1	-	-	-	-	-	
512	Drugs, proprietaries, and sundries	37.1	36.8	37.0	37.0	-	-	-	-	-	
513	Apparel, piece goods, and notions	36.4	36.5	37.3	36.9	-	-	-	-	-	
514	Groceries and related products	38.0	38.3	38.0	38.0	-	-	-	-	-	
516	Chemicals and allied products	39.2	39.5	39.3	39.0	-	-	-	-	-	
517	Petroleum and petroleum products	40.4	39.9	39.9	41.0	-	-	-	-	-	
518	Beer, wine, and distilled beverages	37.1	37.2	36.8	37.1	-	-	-	-	-	
519	Miscellaneous nondurable goods	38.3	38.6	38.2	38.6	-	-	-	-	-	
52-59	RETAIL TRADE	29.7	29.9	29.8	30.1	30.0	-	-	-	-	
52	BUILDING MATERIALS AND GARDEN SUPPLIES	36.5	36.7	36.8	37.0	-	-	-	-	-	
521	Lumber and other building materials	38.5	38.7	38.9	38.8	-	-	-	-	-	
525	Hardware stores	33.4	33.5	33.2	34.3	-	-	-	-	-	
53	GENERAL MERCHANDISE STORES	28.7	29.0	28.7	29.3	-	-	-	-	-	
531	Department stores	28.6	29.0	28.6	29.2	-	-	-	-	-	
533	Variety stores	29.4	29.2	28.9	29.6	-	-	-	-	-	
539	Misc. general merchandise stores	28.9	29.3	29.7	29.9	-	-	-	-	-	
54	FOOD STORES	30.7	31.1	30.5	31.3	-	-	-	-	-	
541	Grocery stores	30.9	31.3	30.8	31.5	-	-	-	-	-	
546	Retail bakeries	29.2	29.4	28.3	28.9	-	-	-	-	-	
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	37.1	37.4	37.5	37.6	-	-	-	-	-	
551, 2	New and used car dealers	38.0	38.1	38.4	38.4	-	-	-	-	-	
553	Auto and home supply stores	40.7	40.7	40.1	40.1	-	-	-	-	-	
554	Gasoline service stations	34.4	35.0	35.3	35.5	-	-	-	-	-	
56	APPAREL AND ACCESSORY STORES	28.0	28.1	28.0	28.8	-	-	-	-	-	
561	Men's and boys' clothing and furnishings	31.9	31.7	31.1	31.8	-	-	-	-	-	
562	Women's ready-to-wear stores	26.6	26.6	26.8	27.2	-	-	-	-	-	
565	Family clothing stores	27.4	27.6	27.8	28.9	-	-	-	-	-	
566	Shoe stores	28.1	28.2	27.9	29.8	-	-	-	-	-	
57	FURNITURE AND HOME FURNISHINGS STORES	34.6	34.6	34.3	34.3	-	-	-	-	-	
571	Furniture and home furnishings	34.7	34.8	34.4	34.4	-	-	-	-	-	
572	Household appliance stores	35.3	35.2	35.2	35.2	-	-	-	-	-	
573	Radio, television, and music stores	34.0	33.6	33.5	33.5	-	-	-	-	-	
58	EATING AND DRINKING PLACES	25.8	25.8	25.9	25.8	-	-	-	-	-	
59	MISCELLANEOUS RETAIL	30.8	31.0	31.1	31.3	-	-	-	-	-	
591	Drug stores and proprietary stores	29.2	29.2	28.8	28.8	-	-	-	-	-	
594	Miscellaneous shopping goods stores	29.6	29.7	30.3	30.4	-	-	-	-	-	
596	Nonstore retailers	32.3	32.6	33.5	33.2	-	-	-	-	-	
598	Fuel and ice dealers	38.2	37.6	38.6	38.1	-	-	-	-	-	
599	Retail stores, nec	32.9	33.8	32.6	34.2	-	-	-	-	-	
-	FINANCE, INSURANCE, AND REAL ESTATE ^h	36.2	36.1	36.3	36.3	36.2	-	-	-	-	
60	BANKING	36.2	36.0	36.7	36.7	-	-	-	-	-	
602	Commercial and stock savings banks	36.1	36.0	36.7	36.8	-	-	-	-	-	
61	CREDIT AGENCIES OTHER THAN BANKS	36.8	36.5	36.4	36.3	-	-	-	-	-	
612	Savings and loan associations	36.4	35.9	36.5	36.3	-	-	-	-	-	
614	Personal credit institutions	36.6	36.5	35.7	35.6	-	-	-	-	-	
63	INSURANCE CARRIERS	37.5	37.6	37.4	37.4	-	-	-	-	-	
631	Life insurance	37.6	38.4	37.3	37.6	-	-	-	-	-	
632	Medical service and health insurance	38.3	38.0	38.0	37.9	-	-	-	-	-	
633	Fire, marine, and casualty insurance	36.9	36.7	37.0	36.8	-	-	-	-	-	

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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
-	SERVICES	\$186.30	\$187.02	\$205.38	\$205.38	\$204.77	\$5.75	\$5.79	\$6.30	\$6.30	\$6.32
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts	131.02	136.00	143.93	141.13	-	4.31	4.43	4.75	4.72	-
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	149.40	150.18	160.41	163.06	-	4.42	4.43	4.76	4.81	-
723	Beauty shops	123.07	129.86	142.14	146.44	-	4.13	4.30	4.63	4.77	-
	BUSINESS SERVICES										
73	Advertising	194.50	196.20	212.83	210.26	-	5.93	6.00	6.43	6.43	-
731	Services to buildings	287.74	285.24	310.81	313.92	-	8.06	7.99	8.78	8.72	-
734	Computer and data processing services	136.90	140.76	148.78	145.80	-	4.96	5.10	5.47	5.40	-
737	Automotive repair shops	255.57	252.40	281.92	288.79	-	7.06	7.09	7.64	7.64	-
	AUTO REPAIR, SERVICES, AND GARAGES										
75	Automotive repair shops	224.46	226.78	237.13	240.79	-	6.05	6.08	6.29	6.37	-
753	Miscellaneous repair services	250.13	252.59	263.35	268.91	-	6.43	6.46	6.77	6.86	-
	MISCELLANEOUS REPAIR SERVICES										
76	Motion picture production and services	263.25	273.03	288.37	289.15	-	6.75	6.86	7.49	7.53	-
	MOTION PICTURES										
78	Motion picture production and services	213.29	194.57	236.64	218.65	-	7.70	7.26	8.83	8.22	-
781	Amusement and recreation services	436.19	411.59	492.80	465.83	-	10.77	9.99	12.80	12.59	-
	AMUSEMENT AND RECREATION SERVICES										
79	Offices of physicians	162.44	159.05	173.16	179.68	-	5.66	5.64	5.93	5.93	-
	HEALTH SERVICES										
80	Offices of dentists	180.93	182.23	201.39	202.09	-	5.55	5.59	6.14	6.18	-
801	Nursing and personal care facilities	184.18	185.92	209.62	211.25	-	5.72	5.81	6.43	6.48	-
802	Hospitals	157.79	161.80	175.89	174.05	-	5.46	5.56	6.15	6.15	-
805	Hospitals	126.79	127.51	138.57	138.43	-	4.13	4.14	4.47	4.48	-
806	Hospitals	200.10	201.45	222.38	224.08	-	5.92	5.96	6.56	6.61	-
	LEGAL SERVICES										
81	Engineering and architectural services	246.70	244.50	273.26	270.83	-	7.13	7.17	7.99	7.85	-
	MISCELLANEOUS SERVICES										
89	Accounting, auditing, and bookkeeping	316.23	317.34	353.58	353.99	-	8.30	8.44	9.16	9.10	-
891	Accounting, auditing, and bookkeeping	345.59	348.69	385.45	387.48	-	8.93	9.01	9.96	9.91	-
893	Accounting, auditing, and bookkeeping	270.84	263.52	308.03	307.13	-	7.09	7.20	7.72	7.64	-

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 1979 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" in the Explanatory notes of this publication.

** Corrected data for February 1981 for Apparel and other textile products (SIC 23) are as follows: average weekly earnings: \$171.42; average weekly hours: 35.2.

**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				
		Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
-	SERVICES	32.4	32.3	32.6	32.6	32.4	-	-	-	-	-
701	HOTELS AND OTHER LODGING PLACES: Hotels, motels, and tourist courts	30.4	30.7	30.3	29.9	-	-	-	-	-	-
721	PERSONAL SERVICES: Laundry, cleaning, and garment services	33.8	33.9	33.7	33.9	-	-	-	-	-	
723	Beauty shops	29.8	30.2	30.7	30.7	-	-	-	-	-	
73	BUSINESS SERVICES	32.8	32.7	33.1	32.7	-	-	-	-	-	
731	Advertising	35.7	35.7	35.4	36.0	-	-	-	-	-	
734	Services to buildings	27.6	27.6	27.2	27.0	-	-	-	-	-	
737	Computer and data processing services	36.2	35.6	36.9	37.8	-	-	-	-	-	
75	AUTO REPAIR, SERVICES, AND GARAGES	37.1	37.3	37.7	37.8	-	-	-	-	-	
753	Automotive repair shops	38.9	39.1	38.9	39.2	-	-	-	-	-	
76	MISCELLANEOUS REPAIR SERVICES	39.0	39.8	38.5	38.4	-	-	-	-	-	
78	MOTION PICTURES	27.7	26.8	26.8	26.6	-	-	-	-	-	
781	Motion picture production and services	40.5	41.2	38.5	37.0	-	-	-	-	-	
79	AMUSEMENT AND RECREATION SERVICES	28.7	28.2	29.2	30.3	-	-	-	-	-	
80	HEALTH SERVICES	32.6	32.6	32.8	32.7	-	-	-	-	-	
801	Offices of physicians	32.2	32.0	32.6	32.6	-	-	-	-	-	
802	Offices of dentists	28.9	29.1	28.6	28.3	-	-	-	-	-	
805	Nursing and personal care facilities	30.7	30.8	31.0	30.9	-	-	-	-	-	
806	Hospitals	33.8	33.8	33.9	33.9	-	-	-	-	-	
81	LEGAL SERVICES	34.6	34.1	34.2	34.5	-	-	-	-	-	
89	MISCELLANEOUS SERVICES	38.1	37.6	38.6	38.9	-	-	-	-	-	
891	Engineering and architectural services	38.7	38.7	38.7	39.1	-	-	-	-	-	
893	Accounting, auditing, and bookkeeping	38.2	36.6	39.9	40.2	-	-	-	-	-	

ESTABLISHMENT DATA HOURS AND EARNINGS

C-3. Employment, hours, and indexes of earnings in the Executive Branch of the Federal Government

[Employment in thousands—includes both supervisory and nonsupervisory employees]

Item	1979							1980					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Executive Branch													
Total employment	2,770.2	2,783.0	2,789.6	2,697.8	2,702.7	2,707.0	2,717.2	2,709.1	2,749.5	2,815.1	3,049.2	2,908.2	2,939.1
Average weekly hours	39.4	39.8	39.5	39.4	39.3	39.7	39.5	39.3	39.6	38.9	37.7	36.6	38.3
Average overtime hours	1.0	1.2	1.2	1.4	1.4	1.3	1.4	1.1	1.2	1.2	1.1	1.0	1.1
Indexes (1967=100):													
Average weekly earnings	238.6	241.3	242.5	244.6	254.5	259.5	261.5	259.6	261.1	254.8	244.4	236.8	247.5
Average hourly earnings	238.6	238.9	241.9	244.6	255.1	257.6	260.8	260.3	259.7	258.1	255.4	254.9	254.6
Department of Defense													
Total employment	906.6	908.5	908.5	887.2	887.8	888.0	889.0	885.1	885.4	886.6	888.5	895.1	909.8
Average weekly hours	39.9	40.1	40.0	40.0	38.9	40.0	40.0	39.8	39.9	39.8	39.8	39.8	39.8
Average overtime hours .....	.8	.8	.9	1.2	.9	1.1	1.0	.8	.9	1.0	.8	.9	1.0
Indexes (1967=100):													
Average weekly earnings	233.6	233.4	234.5	238.0	240.4	252.3	254.0	249.7	251.7	251.9	251.9	249.2	251.7
Average hourly earnings	236.0	234.6	236.2	239.8	249.0	254.2	255.9	252.9	254.2	255.0	255.0	252.3	256.1
Postal Service													
Total employment	663.2	665.4	665.4	659.0	653.7	673.0	673.5	655.9	656.7	655.7	658.2	659.3	661.7
Average weekly hours	39.6	40.6	39.9	40.0	41.6	41.1	40.7	40.6	41.4	40.6	40.4	40.0	39.8
Average overtime hours	1.3	1.8	1.5	1.9	2.3	2.1	2.7	2.1	2.2	2.1	2.0	1.7	1.6
Indexes (1967=100):													
Average weekly earnings	274.0	281.2	283.0	286.2	300.6	296.1	305.7	304.0	311.6	305.6	303.8	299.5	310.0
Average hourly earnings	267.1	267.4	273.8	276.2	279.0	278.0	289.9	289.0	290.5	290.5	290.2	289.0	300.6
Other Agencies													
Total employment	1,200.4	1,209.1	1,215.7	1,151.6	1,161.2	1,146.0	1,154.7	1,168.1	1,207.4	1,272.8	1,502.5	1,353.8	1,367.6
Average weekly hours	38.8	39.2	38.9	38.7	38.7	38.5	38.3	38.2	38.3	37.3	34.9	32.9	36.6
Average overtime hours	1.0	1.2	1.2	1.4	1.2	1.0	.9	.9	.9	.8	.8	.8	.9
Indexes (1967=100):													
Average weekly earnings	223.3	226.6	227.1	228.4	243.2	244.4	243.6	244.2	241.9	231.3	211.1	200.2	215.0
Average hourly earnings	223.3	224.3	226.5	229.0	243.8	246.3	246.8	248.0	245.0	240.6	234.7	236.1	228.0

NOTE: The hours and earnings averages presented in this table have been computed using data collected by the Office of Personnel Management from agencies with 2500 or more employees in the Executive Branch of the Federal Government; the data cover both salaried workers and hourly paid wage-board employees. Since these averages relate to hours and earnings of all workers both super-

visory and nonsupervisory, they are not comparable to similar data presented in table C-2 which relate only to production or nonsupervisory workers. The total employment levels shown include all workers in the Executive Branch regardless of the size of the agency.

C-4. Average hourly earnings excluding overtime of production workers on manufacturing payrolls by industry

Major industry group	Average hourly earnings excluding overtime ¹				
	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
MANUFACTURING	\$6.85	\$6.91	\$7.53	\$7.62	\$7.63
DURABLE GOODS	7.31	7.38	8.05	8.14	8.16
Lumber and wood products	6.09	6.21	6.59	6.61	-
Furniture and fixtures	5.27	5.32	5.62	5.67	-
Stone, clay, and glass products	7.03	7.14	7.60	7.74	-
Primary metal industries	9.19	9.33	10.14	10.39	-
Fabricated metal products	7.03	7.10	7.73	7.79	-
Machinery, except electrical	7.51	7.62	8.35	8.43	-
Electric and electronic equipment	6.61	6.62	7.28	7.33	-
Transportation equipment	8.73	8.78	9.72	9.78	-
Instruments and related products	6.46	6.54	7.04	7.07	-
Miscellaneous manufacturing industries	5.25	5.29	5.70	5.78	-
NONDURABLE GOODS	6.15	6.22	6.75	6.82	6.82
Food and kindred products	6.47	6.52	6.99	7.07	-
Tobacco manufactures	7.61	7.48	8.43	8.65	-
Textile mill products	4.71	4.72	5.15	5.17	-
Apparel and other textile products	4.40	4.39	4.87	4.91	-
Paper and allied products	7.27	7.33	7.90	7.97	-
Printing and publishing	7.11	7.22	7.79	7.79	-
Chemicals and allied products	7.81	7.90	8.50	8.58	-
Petroleum and coal products	9.41	9.65	10.78	10.90	-
Rubber and misc. plastics products	6.12	6.17	6.73	6.82	-
Leather and leather products	4.43	4.44	4.80	4.85	-

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

p=preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-5. Gross and spendable average weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division, in current and 1967 dollars

Industry	Gross average weekly earnings			Spendable average weekly earnings ²					
				Worker with no dependents			Married worker with 3 dependents		
	Apr. 1980	Mar. 1981	Apr. 1981P	Apr. 1980	Mar. 1981	Apr. 1981P	Apr. 1980	Mar. 1981	Apr. 1981P
TOTAL PRIVATE:									
Current dollars	\$228.55	\$249.92	\$250.98	\$184.25	\$197.88	\$198.61	\$201.43	\$216.34	\$217.14
1967 dollars	94.21	94.24	94.07	75.95	74.62	74.44	83.03	81.58	81.39
MINING:									
Current dollars	389.48	416.09	422.82	290.16	303.93	307.92	320.88	337.31	341.98
1967 dollars	160.54	156.90	158.48	119.60	114.60	115.41	132.27	127.19	128.18
CONSTRUCTION:									
Current dollars	355.62	388.74	385.24	269.34	287.70	285.52	296.35	318.34	315.91
1967 dollars	146.59	146.58	144.39	111.02	108.48	107.05	122.16	120.04	118.41
MANUFACTURING:									
Current dollars	279.35	311.22	312.44	219.49	239.37	240.14	239.97	262.38	263.26
1967 dollars	115.15	117.35	117.11	90.47	90.26	90.01	98.92	98.94	98.67
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	344.05	371.54	374.92	261.95	277.49	279.50	287.92	306.02	308.46
1967 dollars	141.82	140.10	140.52	107.98	104.63	104.76	118.68	115.39	115.61
WHOLESALE AND RETAIL TRADE:									
Current dollars	171.72	186.93	188.43	142.66	152.99	154.08	159.65	168.84	169.82
1967 dollars	70.78	70.49	70.63	58.80	57.69	57.75	65.81	63.67	63.65
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	205.62	224.70	224.33	167.59	180.32	180.05	183.70	197.34	197.05
1967 dollars	84.76	84.73	84.08	69.08	67.99	67.49	75.72	74.41	73.85
SERVICES:									
Current dollars	186.30	205.38	205.38	153.51	166.34	166.34	169.40	182.44	182.44
1967 dollars	76.79	77.44	76.98	63.28	62.72	62.35	69.83	68.79	68.38
CONSUMER PRICE INDEX FOR URBAN WAGE EARNERS AND CLERICAL WORKERS (CPI-W, All items, 1967=100)	242.6	265.2	266.8						

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 (applicable to earnings data only).

ESTABLISHMENT DATA HOURS AND EARNINGS

C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division and major manufacturing group

[1967=100]

Industry division and group	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
	Hours				
TOTAL PRIVATE	123.2	123.3	123.6	124.7	125.8
GOODS-PRODUCING	103.1	102.2	101.7	101.7	103.3
MINING	160.6	163.3	169.9	149.6	150.6
CONSTRUCTION	119.6	126.0	114.2	118.4	120.8
MANUFACTURING	98.2	95.9	97.1	97.1	98.6
DURABLE GOODS	100.4	96.8	98.6	98.8	100.1
Lumber and wood products	93.1	90.5	96.4	97.7	100.9
Furniture and fixtures	104.3	97.6	103.5	103.2	103.8
Stone, clay, and glass products	102.2	101.1	96.1	99.0	100.9
Primary metal industries	90.1	83.2	85.7	86.9	86.3
Fabricated metal products	100.1	95.5	96.3	96.0	97.4
Machinery, except electrical	115.3	113.5	113.2	112.0	113.4
Electric and electronic equipment	106.8	103.0	105.4	105.2	106.8
Transportation equipment	84.0	80.7	86.0	86.8	88.0
Instruments and related products	127.3	126.0	125.2	123.8	125.5
Miscellaneous manufacturing industries	94.4	91.7	88.4	88.7	90.2
NONDURABLE GOODS	95.0	94.6	95.0	94.6	96.5
Food and kindred products	87.9	90.4	87.6	87.6	88.9
Tobacco manufactures	64.3	64.9	68.0	64.9	65.8
Textile mill products	88.3	86.8	85.3	84.2	86.2
Apparel and other textile products	88.3	87.8	89.2	87.7	91.0
Paper and allied products	99.0	96.5	97.6	97.9	98.5
Printing and publishing	103.9	103.5	105.6	105.3	105.9
Chemicals and allied products	107.6	106.4	106.2	106.9	108.6
Petroleum and coal products	90.5	113.2	114.4	117.3	119.8
Rubber and misc. plastics products	137.9	127.5	136.8	136.9	139.0
Leather and leather products	65.0	65.5	64.5	64.2	66.7
SERVICE-PRODUCING	137.1	137.9	138.9	140.6	141.4
TRANSPORTATION AND PUBLIC UTILITIES	112.7	112.7	110.8	111.2	112.2
WHOLESALE AND RETAIL TRADE	128.3	129.6	128.6	131.0	132.0
WHOLESALE TRADE	133.1	133.2	133.2	133.9	134.5
RETAIL TRADE	126.5	128.2	126.8	129.9	131.1
FINANCE, INSURANCE, AND REAL ESTATE	148.7	149.6	153.0	153.9	154.3
SERVICES	157.0	157.5	161.8	163.6	164.0

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

p=preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division and major manufacturing group—Continued

[1987=100]

Industry division and group	Apr. 1980	May 1980	Mar. 1981	Apr. 1981P	May 1981P
	Payrolls				
TOTAL PRIVATE	300.2	302.0	327.6	331.5	336.2
GOODS-PRODUCING	259.8	260.2	280.2	282.1	288.3
MINING	458.7	465.0	525.3	456.0	458.0
CONSTRUCTION	281.8	299.4	289.9	300.5	309.5
MANUFACTURING	246.4	242.1	268.2	270.5	276.3
DURABLE GOODS	253.1	245.6	274.2	277.2	282.8
Lumber and wood products	247.0	244.9	278.0	282.6	293.5
Furniture and fixtures	241.8	227.3	256.2	257.0	259.8
Stone, clay, and glass products	265.9	267.1	270.7	284.4	291.3
Primary metal industries	257.0	239.2	270.0	280.3	279.0
Fabricated metal products	244.2	234.9	258.4	258.9	266.0
Machinery, except electrical	282.6	281.5	308.4	306.6	313.7
Electric and electronic equipment	261.5	251.8	284.6	285.3	290.9
Transportation equipment	221.0	212.9	252.7	256.6	263.0
Instruments and related products	296.3	297.1	317.8	314.7	322.4
Miscellaneous manufacturing industries	215.8	210.6	219.6	222.8	227.3
NONDURABLE GOODS	235.0	236.1	257.9	259.2	265.2
Food and kindred products	224.9	233.7	242.0	244.7	249.0
Tobacco manufactures	220.9	218.6	256.3	251.4	258.2
Textile mill products	210.8	206.8	221.6	218.8	225.5
Apparel and other textile products	193.9	192.5	217.0	214.6	222.9
Paper and allied products	262.9	257.0	282.5	285.6	289.6
Printing and publishing	232.5	234.7	258.4	257.4	261.0
Chemicals and allied products	281.5	280.0	302.5	306.9	313.5
Petroleum and coal products	248.7	318.8	359.1	373.7	381.8
Rubber and misc. plastics products	316.6	294.3	348.1	351.8	360.6
Leather and leather products	142.2	143.6	152.6	152.6	160.5
SERVICE-PRODUCING	335.0	338.0	368.5	374.1	377.5
TRANSPORTATION AND PUBLIC UTILITIES	303.6	303.8	323.1	328.0	332.1
WHOLESALE AND RETAIL TRADE	307.8	311.6	334.2	341.5	345.0
WHOLESALE TRADE	317.7	319.1	344.6	348.7	352.6
RETAIL TRADE	302.3	307.4	328.4	337.4	340.8
FINANCE, INSURANCE, AND REAL ESTATE	327.0	330.2	366.6	368.4	370.9
SERVICES	394.7	398.5	445.0	450.2	453.0

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

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

Industry	1980								1981				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. P	May P
TOTAL PRIVATE	35.1	35.0	34.9	35.1	35.2	35.3	35.4	35.4	35.5	35.3	35.4	35.4	35.3
MINING ²	42.7	43.2	41.9	43.1	43.5	43.5	43.5	44.1	43.5	42.8	42.2	43.5	43.7
CONSTRUCTION	36.8	37.1	36.8	36.5	37.4	37.0	37.2	37.1	38.5	36.3	37.6	36.9	36.8
MANUFACTURING	39.3	39.1	39.0	39.4	39.6	39.7	39.9	40.1	40.4	39.8	40.0	40.1	40.2
<i>Overtime hours</i>	2.6	2.4	2.5	2.7	2.7	2.8	2.9	3.1	3.1	2.9	2.9	2.9	3.1
DURABLE GOODS	39.7	39.5	39.4	39.9	40.1	40.1	40.5	40.6	40.9	40.2	40.5	40.7	40.7
<i>Overtime hours</i>	2.5	2.4	2.4	2.6	2.7	2.8	3.0	3.2	3.1	2.9	3.0	3.0	3.2
Lumber and wood products	37.5	37.6	38.1	38.9	38.8	38.7	39.3	39.4	40.1	38.9	39.4	38.2	39.3
Furniture and fixtures	37.6	37.0	36.6	37.4	38.0	38.0	38.0	38.6	38.9	38.8	38.8	38.8	38.6
Stone, clay, and glass products	40.3	40.4	40.2	40.3	40.9	40.9	41.1	41.3	41.6	40.6	40.9	41.1	41.1
Primary metal industries	39.2	38.8	38.6	39.2	39.7	40.1	40.9	41.4	41.2	40.8	41.1	41.3	41.1
Fabricated metal products	39.9	39.7	39.6	40.1	40.4	40.4	40.6	40.6	40.7	40.4	40.7	40.9	40.9
Machinery, except electrical	41.0	40.7	40.6	40.8	40.9	40.7	41.0	41.0	41.3	40.8	41.0	41.3	41.5
Electric and electronic equipment	39.5	39.2	39.0	39.4	39.5	39.9	40.0	40.2	40.4	39.7	40.2	40.1	40.3
Transportation equipment	39.7	39.5	39.6	40.9	40.6	40.8	41.4	41.3	41.9	40.5	41.1	41.8	41.5
Instruments and related products	40.3	40.4	40.1	40.1	40.1	40.2	40.5	40.5	41.0	40.6	40.4	40.2	40.2
Miscellaneous manufacturing ind	38.3	38.2	38.3	38.6	38.9	38.7	38.6	39.0	39.0	38.8	38.7	38.7	38.2
NONDURABLE GOODS	38.9	38.6	38.5	38.7	38.8	39.0	39.0	39.3	39.7	39.3	39.1	39.2	39.4
<i>Overtime hours</i>	2.6	2.5	2.6	2.8	2.7	2.8	2.9	3.0	3.1	3.0	2.8	2.8	3.0
Food and kindred products	39.9	39.6	39.7	39.8	39.7	39.6	39.8	39.8	40.3	39.9	39.6	40.0	39.8
Tobacco manufactures	38.2	37.3	38.5	37.3	37.5	39.5	38.9	37.2	39.7	39.4	37.2	37.2	37.6
Textile mill products	39.7	39.1	38.8	39.2	39.7	39.9	40.0	40.3	40.5	40.1	39.0	39.8	40.3
Apparel and other textile products	35.3	35.2	35.1	35.1	35.1	35.3	35.0	35.6	36.0	35.7	35.7	35.7	36.1
Paper and allied products	41.7	41.4	41.4	41.8	42.2	42.2	42.6	43.0	43.1	42.8	42.7	42.7	42.8
Printing and publishing	37.1	36.8	36.9	37.1	36.9	37.1	36.8	37.4	37.7	37.2	37.0	37.3	37.4
Chemicals and allied products	41.3	41.1	40.8	41.0	41.3	41.4	41.7	41.7	41.8	41.8	41.6	41.5	41.9
Petroleum and coal products	42.5	42.3	42.2	42.2	42.7	43.1	43.2	43.2	43.4	43.5	42.9	43.2	43.1
Rubber and misc. plastics products	39.3	39.2	39.0	40.2	40.1	40.4	40.8	40.9	41.3	40.1	40.6	40.8	41.0
Leather and leather products	36.7	36.7	36.1	36.5	36.2	36.5	36.2	36.6	37.1	37.0	37.3	36.8	36.6
TRANSPORTATION AND PUBLIC UTILITIES	39.3	39.6	39.9	39.7	39.7	39.8	39.7	40.0	39.4	39.5	39.4	39.3	39.4
WHOLESALE AND RETAIL TRADE	32.1	31.9	31.8	32.0	32.1	32.2	32.2	32.1	32.3	32.2	32.2	32.4	32.2
WHOLESALE TRADE	38.6	38.0	38.0	38.2	38.5	38.5	38.6	38.7	38.8	38.7	38.6	38.6	38.7
RETAIL TRADE	30.1	30.0	29.8	30.1	30.1	30.2	30.2	30.0	30.2	30.2	30.2	30.4	30.2
FINANCE, INSURANCE, AND REAL ESTATE ²	36.1	36.4	36.2	36.3	36.1	36.3	36.3	36.3	36.3	36.4	36.3	36.3	36.2
SERVICES	32.5	32.6	32.6	32.6	32.5	32.6	32.7	32.6	32.7	32.8	32.8	32.8	32.6

¹ For coverage of series, see footnote 1, table B-2.
² See footnote 1, table B-5.

p=preliminary.
c=corrected.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

C-8. Indexes of aggregate weekly hours of production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

[1967=100]

Industry division and group	1980								1981				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. ^P	May ^P
TOTAL PRIVATE	123.4	122.5	121.9	123.0	123.7	124.5	125.2	125.5	126.8	126.1	126.4	126.3	125.9
GOODS-PRODUCING	102.2	100.3	98.5	100.0	101.5	102.3	103.7	104.4	106.4	103.8	104.7	103.8	103.3
MINING	163.2	166.4	158.7	162.4	166.7	168.0	170.4	175.6	175.4	173.7	172.3	150.6	150.4
CONSTRUCTION	124.3	123.7	120.6	120.5	124.7	124.5	126.0	126.8	135.3	124.6	128.8	123.5	119.2
MANUFACTURING	96.1	93.8	92.5	94.2	95.2	96.1	97.4	98.0	98.9	97.7	98.1	98.7	98.8
DURABLE GOODS	96.6	94.0	92.4	94.1	95.5	96.6	98.5	98.9	99.8	98.2	99.2	100.0	99.9
Lumber and wood products	90.4	89.6	91.5	95.3	96.8	97.0	99.4	100.7	103.0	99.4	100.5	100.2	100.3
Furniture and fixtures	99.0	94.6	91.0	94.8	98.4	99.0	99.5	101.9	103.2	103.7	103.5	105.4	105.3
Stone, clay, and glass products	99.4	96.7	95.1	96.5	99.3	99.5	101.0	101.3	102.4	99.8	100.3	100.4	99.2
Primary metal industries	82.4	77.4	73.4	75.4	77.7	80.5	84.3	86.6	86.3	85.5	86.1	86.5	85.6
Fabricated metal products	95.3	92.5	89.9	92.3	94.5	95.1	96.5	96.7	96.8	96.2	97.1	97.9	97.4
Machinery, except electrical	114.1	110.8	108.8	108.6	110.1	110.2	111.0	110.9	112.0	111.1	112.0	112.8	114.0
Electric and electronic equipment	103.8	100.1	98.5	99.8	100.5	102.1	103.3	104.8	105.9	104.3	106.1	106.5	107.7
Transportation equipment	79.1	79.6	79.8	82.4	82.5	84.7	88.2	85.7	86.9	83.9	85.8	87.9	86.2
Instruments and related products	126.0	125.1	123.8	124.1	123.8	124.2	125.7	126.0	127.2	125.1	125.1	124.8	125.4
Miscellaneous manufacturing ind	91.6	88.5	89.0	88.5	88.9	87.6	88.2	90.3	90.9	90.2	89.6	90.2	90.2
NONDURABLE GOODS	95.4	93.5	92.5	94.3	94.7	95.4	95.8	96.7	97.6	96.9	96.5	96.8	97.3
Food and kindred products	95.1	93.2	93.9	94.8	93.2	93.7	94.6	94.4	95.4	94.7	93.3	93.9	93.4
Tobacco manufactures	73.8	72.1	73.0	68.1	71.1	74.9	75.1	70.5	75.3	76.1	71.8	73.1	73.9
Textile mill products	86.4	82.2	80.5	83.3	84.5	85.3	85.6	85.4	86.7	85.8	85.2	85.2	85.8
Apparel and other textile products	87.2	86.7	86.1	87.2	87.3	87.5	86.7	88.1	89.0	88.5	88.8	88.8	90.2
Paper and allied products	96.7	94.7	93.6	95.0	96.5	97.3	98.6	99.9	100.3	99.6	99.4	99.2	98.6
Printing and publishing	103.6	103.1	102.9	103.8	103.8	104.1	103.8	106.2	106.9	106.0	105.4	106.1	106.2
Chemicals and allied products	106.0	104.4	102.1	102.4	103.9	104.1	105.5	105.7	106.5	107.0	106.6	106.6	108.4
Petroleum and coal products	113.8	113.3	113.9	114.8	116.1	117.2	117.5	118.4	120.7	121.9	120.2	118.4	119.9
Rubber and misc. plastics products	128.5	123.6	119.2	127.5	130.1	132.8	135.1	137.0	138.8	135.5	137.2	138.9	140.0
Leather and leather products	63.6	63.3	59.5	63.9	63.7	64.2	63.7	64.1	65.3	65.4	65.7	55.1	64.7
SERVICE-PRODUCING	138.1	137.9	138.2	139.0	139.2	139.9	140.2	140.2	140.9	141.6	141.5	141.9	141.7
TRANSPORTATION AND PUBLIC UTILITIES	112.6	112.6	112.8	112.6	112.7	113.5	112.8	113.8	111.9	112.5	112.2	111.9	112.1
WHOLESALE AND RETAIL TRADE	130.3	129.1	128.9	130.4	130.9	131.4	131.6	130.9	132.3	132.8	132.8	132.9	132.7
WHOLESALE TRADE	133.7	130.8	131.0	131.9	133.3	133.6	134.0	134.5	135.0	134.9	134.5	134.8	135.1
RETAIL TRADE	129.0	128.5	128.0	129.8	130.0	130.6	130.6	129.4	131.3	132.1	132.1	132.2	131.8
FINANCE, INSURANCE, AND REAL ESTATE	149.7	151.2	151.1	151.8	151.1	152.4	152.6	153.2	153.7	154.3	154.0	154.5	154.5
SERVICES	157.4	157.8	159.1	159.4	159.3	160.0	161.2	161.4	162.4	163.3	163.5	154.4	164.0

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

p=preliminary.
c=corrected.

ESTABLISHMENT DATA SEASONALLY ADJUSTED

C-9. Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1980								1981				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. ^P	May ^P
Hourly Earnings Index ² (1967=100)													
TOTAL PRIVATE (In current dollars).....	248.3	250.9	252.1	254.0	255.4	257.9	260.9	261.9	264.4	266.6	268.6	269.3	271.5
MINING.....	284.2	286.3	285.3	288.9	290.4	294.4	298.7	302.3	306.6	309.2	311.0	311.0	311.8
CONSTRUCTION.....	234.2	235.3	236.7	239.0	239.3	241.6	243.0	245.3	247.8	248.1	250.1	250.3	251.3
MANUFACTURING.....	255.0	258.3	260.6	262.4	264.5	266.6	268.9	270.4	272.6	274.6	276.8	279.6	280.7
TRANSPORTATION AND PUBLIC UTILITIES.....	268.7	270.6	272.8	273.2	274.0	280.2	283.4	284.1	285.9	289.6	291.3	293.4	296.0
WHOLESALE AND RETAIL TRADE.....	239.8	241.8	243.5	245.3	246.5	247.7	250.9	250.9	254.6	256.7	258.7	259.2	251.1
FINANCE, INSURANCE, AND REAL ESTATE.....	226.3	230.2	229.0	232.7	233.1	234.8	239.3	238.0	240.2	244.1	245.7	244.2	246.2
SERVICES.....	245.7	248.4	247.6	249.8	251.7	254.2	258.5	259.4	261.3	263.9	265.8	266.0	268.2
TOTAL PRIVATE (In 1967 dollars) ³	101.5	101.6	102.1	102.0	101.5	101.4	101.5	100.8	101.0	100.9	101.1	101.2	-
Average hourly earnings													
TOTAL PRIVATE.....	\$6.57	\$6.62	\$6.67	\$6.71	\$6.77	\$6.83	\$6.91	\$6.95	\$7.02	\$7.06	\$7.11	\$7.13	\$7.17
MINING ⁴	9.08	9.16	9.08	9.18	9.32	9.37	9.51	9.58	9.78	9.87	9.86	9.72	9.70
CONSTRUCTION.....	9.83	9.89	9.94	10.04	10.05	10.14	10.21	10.32	10.40	10.45	10.52	10.55	10.60
MANUFACTURING.....	7.15	7.22	7.30	7.36	7.41	7.49	7.58	7.63	7.69	7.73	7.80	7.89	7.93
TRANSPORTATION AND PUBLIC UTILITIES ⁴	8.72	8.75	8.90	8.95	9.04	9.20	9.28	9.31	9.35	9.46	9.43	9.54	9.58
WHOLESALE AND RETAIL TRADE.....	5.42	5.45	5.50	5.53	5.56	5.59	5.66	5.67	5.73	5.79	5.83	5.85	5.89
FINANCE, INSURANCE, AND REAL ESTATE ⁴	5.70	5.77	5.77	5.82	5.87	5.91	6.01	6.00	6.10	6.21	6.19	6.18	6.21
SERVICES.....	5.78	5.86	5.87	5.91	5.93	5.99	6.08	6.10	6.16	6.21	6.27	6.27	6.31
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars.....	230.61	231.70	232.78	235.52	238.30	241.10	244.61	246.03	249.21	249.22	251.69	252.40	253.10
1967 dollars ³	94.28	93.88	94.24	94.62	94.68	94.81	95.10	94.70	95.19	94.33	94.73	94.64	-
Real spendable earnings (married worker with 3 dependents, 1967 dollars) ^{3,5}	82.99	82.59	82.85	83.05	82.97	82.95	83.06	82.64	82.43	81.69	81.93	81.82	-

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 CPI-W is used to deflate these series to 1967 dollars.

⁴ See footnote 1, table B-5.

⁵ See footnote 2, table C-5.

p=preliminary.

C-10. Hours of wage and salary workers¹ in nonagricultural establishments by industry division

Industry division	Millions of hours (Annual rate) ²			Percent change		
	MARCH 1981	APRIL p1981	MAY p1981	May 1980 to May 1981	Mar. 1981 to Apr. 1981	Apr. 1981 to May 1981
TOTAL.....	172,769	170,705	171,523	1.4	-0.9	0.5
PRIVATE SECTOR.....	140,493	140,122	140,072	2.2	-0.3	0.0
MINING.....	2,476	2,179	2,177	-4.3	-12.0	-0.1
CONSTRUCTION.....	8,785	8,514	8,248	-2.7	-3.1	-3.1
MANUFACTURING.....	42,373	42,339	42,587	2.1	-0.1	0.6
DURABLE GOODS.....	25,771	25,748	25,887	2.6	-0.1	0.5
NONDURABLE GOODS.....	16,602	16,591	16,700	1.4	-0.1	0.7
TRANSPORTATION AND PUBLIC UTILITIES.....	10,628	10,644	10,631	0.2	0.1	-0.1
WHOLESALE AND RETAIL TRADE.....	35,059	35,238	35,168	2.2	0.5	-0.2
FINANCE, INSURANCE, AND REAL ESTATE.....	10,005	10,003	10,023	3.6	0.0	0.2
SERVICES.....	31,167	31,204	31,238	4.2	0.1	0.1
GOVERNMENT.....	31,776	30,583	31,451	-2.0	-3.8	2.8

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-11. Indexes of output and compensation per hour, unit costs, and prices,
private business sector, seasonally adjusted**

[1967 100]

Item	Annual average		Quarterly indexes										
			1978		1979				1980				1981
	1979	1980	I	II	I	II	III	IV	I	II	III	IV	I
PRIVATE BUSINESS SECTOR:													
Output per hour of all persons	99.4	99.1	100.0	99.9	99.7	99.6	99.2	99.0	99.3	98.8	99.2	98.9	r 99.9
Output	107.7	106.8	105.3	106.7	107.7	107.1	107.7	108.2	108.7	105.4	105.7	107.5	r109.4
Hours	108.4	107.8	105.4	106.8	108.1	107.5	108.6	109.3	109.5	106.7	106.5	108.7	r 109.5
Compensation per hour	119.2	131.1	109.4	111.9	115.0	118.0	120.5	123.0	126.0	129.7	132.8	135.5	r139.3
Real compensation per hour	99.5	96.4	100.5	100.3	100.6	100.3	99.0	97.8	96.5	96.3	96.7	95.7	r 95.8
Unit labor costs	119.9	132.3	109.4	112.1	115.4	118.5	121.4	124.2	127.0	131.3	133.9	137.0	r139.4
Unit nonlabor payments	110.9	116.4	106.7	109.1	109.6	110.4	111.5	112.3	115.3	116.0	119.8	122.8	r127.9
Implicit price deflator	116.9	127.6	108.5	111.1	113.4	115.8	118.1	120.2	123.0	126.1	129.1	132.2	r135.5
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	99.0	98.6	99.9	99.8	99.5	99.1	98.7	98.6	98.6	97.9	98.8	98.7	r 99.7
Output	107.7	106.8	105.5	106.8	107.9	107.1	107.8	108.2	108.5	105.1	105.8	107.7	r109.7
Hours	108.8	108.3	105.6	107.1	108.4	108.1	109.2	109.7	110.0	107.3	107.1	109.1	r110.0
Compensation per hour	118.8	130.5	109.4	111.9	114.9	117.6	119.9	122.7	125.6	129.0	131.9	135.0	r138.7
Real compensation per hour	99.2	96.0	100.5	100.3	100.4	99.9	98.6	97.6	96.2	95.7	96.1	95.4	r 95.4
Unit labor costs	120.0	132.4	109.5	112.2	115.4	118.7	121.5	124.4	127.4	131.8	133.5	136.8	r139.2
Unit nonlabor payments	108.5	117.6	105.1	107.0	107.1	107.7	109.3	110.2	114.0	115.2	119.2	122.1	r128.0
Implicit price deflator	116.2	127.4	108.0	110.5	112.6	115.1	117.4	119.7	122.9	126.3	128.8	131.9	r135.4
MANUFACTURING:													
Output per hour of all persons	101.9	101.4	101.7	102.0	101.4	102.3	101.9	101.9	101.7	100.5	100.2	103.0	r103.8
Output	108.6	103.7	106.6	108.3	109.3	108.5	108.5	108.3	108.0	101.7	99.7	105.3	r107.2
Hours	106.6	102.2	104.8	106.2	107.7	106.1	106.5	106.3	106.2	101.2	99.5	102.1	r103.2
Compensation per hour	118.7	131.2	109.1	111.5	114.5	118.5	119.7	122.0	125.0	129.6	133.5	136.8	r140.4
Real compensation per hour	99.1	96.5	100.2	100.0	100.2	100.7	98.4	97.0	95.7	96.2	97.2	96.7	r 96.5
Unit labor costs	116.5	129.4	107.3	109.3	112.9	115.9	117.5	119.8	122.9	128.9	133.2	132.8	r135.2
DURABLE GOODS													
Output per hour of all persons	100.7	99.2	101.8	101.9	100.7	101.5	100.0	100.1	99.5	98.7	97.7	100.9	r102.0
Output	110.2	107.8	108.7	110.9	111.7	110.3	109.5	109.1	108.3	100.7	97.8	104.4	r106.5
Hours	109.4	103.6	106.8	108.9	110.8	108.7	109.5	108.9	108.8	102.1	100.1	103.4	r104.4
Compensation per hour	118.3	131.3	108.5	111.1	114.1	118.4	119.2	121.3	124.8	129.6	133.7	137.3	r140.9
Real compensation per hour	98.7	96.5	99.7	99.6	99.8	100.5	98.0	96.4	95.5	96.2	97.3	97.0	r 96.9
Unit labor costs	117.5	132.3	106.6	109.0	113.3	116.6	119.2	121.1	125.4	131.4	136.8	136.0	r138.1
NONDURABLE GOODS													
Output per hour of all persons	103.9	104.8	101.5	102.2	102.6	103.4	104.9	104.7	105.3	103.4	104.1	106.3	r106.7
Output	106.4	105.0	103.3	104.4	105.7	105.8	107.0	107.1	107.6	103.1	102.6	106.6	r108.1
Hours	102.4	100.2	101.8	102.2	103.0	102.3	102.0	102.2	102.3	99.7	98.6	100.2	r101.4
Compensation per hour	118.7	130.6	109.6	111.6	114.5	118.1	119.7	122.7	124.6	129.3	133.1	135.5	r139.0
Real compensation per hour	99.1	96.1	100.6	100.1	100.1	100.3	98.4	97.5	95.4	95.9	96.9	95.8	r 95.6
Unit labor costs	114.3	124.6	107.9	109.2	111.6	114.2	114.2	117.1	118.4	125.0	127.8	127.5	r130.3
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	100.3	100.8	100.4	100.5	100.6	100.6	100.3	99.7	100.0	99.8	101.5	101.5	p102.9
Output	109.3	108.5	106.4	108.0	109.5	109.0	109.4	109.3	109.9	106.8	107.7	109.7	p112.6
Hours	109.0	107.7	105.9	107.5	108.9	108.4	109.1	109.7	110.0	107.0	106.1	108.2	p109.5
Compensation per hour	118.6	130.4	109.2	111.5	114.5	117.5	119.8	122.4	125.3	128.9	132.1	135.1	p138.7
Real compensation per hour	99.0	95.9	100.2	99.9	100.1	99.8	98.5	97.3	95.9	95.7	96.2	95.4	p 95.4
Total unit costs	116.8	129.7	107.6	109.6	112.2	115.3	118.2	121.3	124.2	129.2	131.1	134.1	p136.3
Unit labor costs	118.2	129.4	108.7	111.0	113.8	116.8	119.5	122.8	125.4	129.1	130.2	133.1	p134.9
Unit nonlabor costs	112.7	130.2	104.4	106.0	107.8	111.2	114.6	117.2	120.9	129.3	133.8	136.9	p140.2
Unit profits	99.0	90.2	105.9	108.9	105.6	100.7	97.5	92.2	95.5	83.4	89.1	92.4	p105.1
Implicit price deflator	114.8	125.2	107.4	109.6	111.5	113.7	115.9	118.1	121.0	124.1	126.4	129.5	p132.8

p=preliminary.
r=revised.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

C-12. 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					
	III 1979	IV 1979	I 1980	II 1980	III 1980	IV 1980	IV 1978	I 1979	II 1979	III 1979	IV 1979	I 1980
	to IV 1979	to I 1980	to II 1980	to III 1980	to IV 1980	to I 1981	to IV 1979	to I 1980	to II 1980	to III 1980	to IV 1980	to I 1981
PRIVATE BUSINESS SECTOR:												
Output per hour of all persons	-1.1	1.3	-1.9	1.5	-1.2	r4.3	-0.9	-0.4	-0.8	0.0	-0.1	r0.6
Output	1.7	1.8	-11.5	1.1	6.9	r7.5	1.4	0.9	-1.6	-1.9	-0.7	r0.7
Hours	2.8	0.5	-9.9	-0.4	8.3	r3.1	2.4	1.3	-0.8	-1.9	-0.6	0.1
Compensation per hour	8.6	10.4	12.2	9.7	8.4	r11.7	9.9	9.6	9.9	10.2	10.2	10.5
Real compensation per hour	-4.9	-5.2	-0.8	1.8	-4.0	r0.2	-2.5	-4.1	-4.0	-2.3	-2.1	-0.7
Unit labor costs	9.8	9.0	14.4	8.1	9.7	r7.1	10.9	10.0	10.8	10.3	10.3	9.8
Unit nonlabor payments	2.6	11.3	2.6	13.6	10.3	r17.7	2.9	5.2	5.1	7.4	9.4	r10.9
Implicit price deflator	7.4	9.7	10.5	9.8	9.9	r10.4	8.2	8.4	9.0	9.4	10.0	10.1
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	-0.3	0.0	-3.0	3.8	-0.4	r4.0	-1.1	-0.9	-1.2	0.1	0.1	1.0
Output	1.5	1.4	-12.1	2.9	7.1	r7.6	1.3	0.6	-1.9	-1.8	-0.5	1.0
Hours	1.8	1.4	-9.4	-0.9	7.5	r3.5	2.4	1.5	-0.7	-1.9	-0.5	0.0
Compensation per hour	9.6	9.9	11.2	9.3	9.6	r11.4	9.6	9.4	9.7	10.0	10.3	r10.4
Real compensation per hour	-4.0	-5.7	-1.7	1.4	-2.9	r0.0	-2.7	-4.3	-4.2	-2.5	-2.3	-0.8
Unit labor costs	9.9	9.9	14.6	5.3	10.1	r7.2	10.9	10.4	11.0	9.9	9.9	r9.2
Unit nonlabor payments	3.3	14.6	4.2	14.9	10.0	r20.8	3.0	6.4	6.9	9.1	10.8	r12.3
Implicit price deflator	7.8	11.3	11.3	8.2	10.0	r11.3	8.3	9.1	9.7	9.6	10.2	r10.2
MANUFACTURING:												
Output per hour of all persons	0.1	-0.7	-4.6	-1.1	11.7	r3.1	-0.1	0.3	-1.7	-1.6	1.1	r2.1
Output	-0.8	-0.1	-21.4	-7.6	24.2	r7.5	0.0	-1.1	-6.3	-8.1	-2.8	r-0.8
Hours	-0.9	-0.3	-17.6	-6.6	11.2	r4.2	0.1	-1.4	-4.7	-6.6	-3.9	-2.8
Compensation per hour	8.1	10.1	15.3	12.7	10.2	r10.9	9.4	9.1	9.3	11.6	12.1	r12.3
Real compensation per hour	-5.4	-5.5	2.1	4.6	-2.4	r-0.5	-2.9	-4.5	-4.5	-1.2	-0.4	r0.9
Unit labor costs	8.0	10.3	21.1	14.0	-1.3	r7.5	9.6	8.8	11.2	13.4	10.8	r10.0
DURABLE GOODS												
Output per hour of all persons	0.5	-2.5	-3.4	-3.8	13.8	r4.4	-1.7	-1.2	-2.8	-2.3	0.8	r2.5
Output	-1.5	-3.0	-25.0	-11.3	29.9	r8.6	-1.6	-3.0	-8.7	-10.7	-4.3	r-1.6
Hours	-2.0	-0.5	-22.4	-7.8	14.1	r4.0	0.1	-1.9	-6.0	-8.6	-5.1	r-4.0
Compensation per hour	7.2	12.0	16.5	13.1	11.2	r11.0	9.2	9.3	9.5	12.2	13.2	r12.9
Real compensation per hour	-6.7	-3.9	3.0	5.0	-1.5	r-0.3	-3.2	-4.3	-4.3	-0.6	0.6	r1.5
Unit labor costs	6.7	14.8	20.6	17.6	-2.3	r6.3	11.1	10.7	12.7	14.8	12.3	r10.2
NONDURABLE GOODS												
Output per hour of all persons	-0.6	2.1	-6.9	2.8	8.9	r1.3	2.4	2.6	-0.1	-0.7	1.6	r1.3
Output	0.2	2.1	-15.7	-2.0	16.5	r5.8	2.5	1.9	-2.6	-4.1	-0.4	r0.5
Hours	0.8	0.0	-9.5	-4.7	7.0	r4.5	0.1	-0.7	-2.5	-3.4	-2.0	r-0.9
Compensation per hour	10.1	6.6	15.7	12.4	7.6	r10.6	9.9	8.9	9.4	11.1	10.5	11.5
Real compensation per hour	-3.6	-8.5	2.2	4.3	-4.7	r-0.7	-2.5	-4.7	-4.4	-1.5	-1.8	0.2
Unit labor costs	10.7	4.4	24.3	9.3	-1.2	r9.2	7.3	6.1	9.5	12.0	8.8	r10.0
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	-2.4	1.2	-0.5	6.9	-0.1	p5.6	-0.8	-0.6	-0.7	1.2	1.8	p2.9
Output	-0.4	2.2	-10.9	3.4	7.9	p10.8	-1.2	0.4	-2.0	-1.6	0.4	p3.4
Hours	2.1	1.0	-10.5	-3.3	8.1	p4.9	2.0	1.0	-1.3	-2.8	-1.4	p-0.5
Compensation per hour	8.9	9.8	12.0	10.3	9.2	p11.2	9.8	9.5	9.7	10.3	10.3	p10.7
Real compensation per hour	-4.6	-5.7	-1.0	2.3	-3.2	p-2	-2.6	-4.2	-4.1	-2.3	-2.0	p-0.5
Total unit costs	11.0	9.8	17.0	6.2	9.4	p6.6	10.7	10.6	12.0	11.0	10.5	p9.7
Unit labor costs	11.6	8.6	12.6	3.2	9.4	p5.3	10.7	10.1	10.5	8.9	8.4	p7.6
Unit nonlabor costs	9.3	13.5	-30.6	14.7	9.5	10.1	10.6	12.2	16.3	16.8	16.8	p15.9
Unit profits	-20.2	15.3	-41.9	30.3	15.7	p66.9	-15.4	-9.5	-17.2	-8.6	0.3	p10.0
Implicit price deflator	7.8	10.3	10.5	7.9	9.9	p10.7	7.8	8.5	9.1	9.1	9.6	p9.7

p=preliminary.
r=revised.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. 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		
	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P
ALABAMA	\$253.04	\$275.71	\$280.40	39.6	39.9	40.0	\$6.39	\$6.91	\$7.01
Birmingham	296.27	320.80	324.01	40.2	40.2	40.1	7.37	7.98	8.08
Mobile	328.43	356.15	351.44	40.9	41.9	41.2	8.03	8.50	8.53
ALASKA	438.60	(*)	(*)	40.8	(*)	(*)	10.75	(*)	(*)
ARIZONA	284.57	310.02	308.89	39.8	39.9	39.5	7.15	7.77	7.82
Phoenix	279.00	302.40	297.53	39.8	40.0	39.2	7.01	7.56	7.59
Tucson	265.80	296.00	301.84	38.0	37.9	38.5	7.10	7.81	7.84
ARKANSAS	215.60	242.14	243.94	38.5	39.5	39.6	5.60	6.13	6.16
Fayetteville—Springdale	192.51	218.99	215.45	37.6	39.6	38.2	5.12	5.53	5.64
Fort Smith	200.56	239.71	241.34	36.8	38.6	38.8	5.45	6.21	6.22
Little Rock—North Little Rock	241.08	272.05	276.11	39.2	39.2	39.9	6.15	6.94	6.92
Pine Bluff	297.94	322.63	319.19	40.1	41.9	41.4	7.43	7.70	7.71
CALIFORNIA	294.78	327.10	327.32	39.2	39.6	39.2	7.52	8.26	8.35
Anahelm—Santa Ana—Garden Grove	278.59	319.12	316.39	40.2	40.6	40.1	6.93	7.86	7.89
Bakersfield	309.96	362.03	361.62	37.8	41.0	41.0	8.20	8.83	8.82
Fresno	274.48	295.66	302.64	39.1	38.8	39.0	7.02	7.62	7.76
Los Angeles—Long Beach	283.60	315.17	311.26	40.0	40.2	39.5	7.09	7.84	7.88
Modesto	275.63	292.50	306.44	37.5	36.2	37.6	7.35	8.08	8.15
Oxnard—Simi Valley—Ventura	252.97	286.31	280.24	37.7	39.6	38.6	6.71	7.23	7.26
Riverside—San Bernardino—Ontario	289.94	329.18	329.94	38.0	39.9	39.8	7.63	8.25	8.29
Sacramento	301.55	335.72	335.01	37.6	38.5	38.2	8.02	8.72	8.77
Salinas—Seaside—Monterey	272.31	296.06	292.99	36.7	38.4	38.5	7.42	7.71	7.61
San Diego	279.80	302.51	298.13	38.7	38.1	37.5	7.23	7.94	7.95
San Francisco—Oakland	344.16	390.56	395.85	38.8	38.9	39.0	8.87	10.04	10.15
San Jose	314.42	344.60	342.68	39.6	39.7	39.8	7.94	8.68	8.61
Santa Barbara—Santa Maria—Lompoc	248.64	285.92	285.37	37.0	38.9	38.1	6.72	7.35	7.49
Santa Rosa	257.97	294.51	290.70	36.8	38.7	38.1	7.01	7.61	7.63
Stockton	309.85	351.12	351.25	38.3	39.9	39.6	8.09	8.80	8.87
Vallejo—Fairfield—Napa	306.38	331.60	353.19	37.5	37.3	38.6	8.17	8.89	9.15
COLORADO	295.81	317.59	317.56	39.6	39.6	39.4	7.47	8.02	8.06
Denver—Boulder	293.88	316.40	312.39	39.5	39.5	39.0	7.44	8.01	8.01
CONNECTICUT	290.37	316.01	313.32	41.9	41.8	41.5	6.93	7.56	7.55
Bridgeport	305.15	331.62	330.58	43.1	42.9	42.6	7.08	7.73	7.76
Hartford	320.46	337.74	330.42	42.9	41.8	41.2	7.47	8.08	8.02
New Britain	299.75	330.07	323.53	42.7	42.7	41.8	7.02	7.73	7.74
New Haven—West Haven	286.71	286.44	290.21	40.9	39.4	39.7	7.01	7.27	7.31
Stamford	280.36	287.29	289.05	43.0	41.1	41.0	6.52	6.99	7.05
Waterbury	251.22	267.54	264.13	41.8	42.0	41.4	6.01	6.37	6.38
DELAWARE	299.20	323.21	338.18	40.0	40.2	40.5	7.48	8.04	8.35
Wilmington	344.21	369.84	396.33	40.4	40.2	41.5	8.52	9.20	9.55
DISTRICT OF COLUMBIA:									
Washington SMSA	314.63	336.01	343.10	38.7	38.8	38.9	8.13	8.66	8.82
FLORIDA	234.00	256.63	255.50	40.0	40.8	40.3	5.85	6.29	6.34
Fort Lauderdale—Hollywood	221.36	239.80	242.20	39.6	40.1	40.1	5.59	5.98	6.04
Jacksonville	273.38	301.49	304.30	40.5	41.3	40.9	6.75	7.30	7.44
Lakeland—Winter Haven	258.17	282.44	283.98	43.1	42.6	41.7	5.99	6.63	6.81
Miami	196.22	221.45	216.33	38.4	39.9	38.7	5.11	5.55	5.59
Orlando	254.20	273.14	275.31	41.2	41.7	41.4	6.17	6.65	6.65
Pensacola	285.71	324.78	331.96	40.7	42.4	43.0	7.02	7.66	7.72
Tampa—St. Petersburg	238.40	256.48	266.26	40.0	40.2	40.9	5.96	6.38	6.51
West Palm Beach—Boca Raton	268.79	283.72	286.75	41.1	41.0	41.2	6.54	6.92	6.96
GEORGIA	223.74	251.03	248.69	39.6	40.1	39.6	5.65	6.26	6.28
Atlanta	253.37	289.08	295.50	38.1	39.6	39.4	6.65	7.30	7.50
Savannah	324.27	341.28	340.13	45.1	43.2	43.0	7.19	7.90	7.91
HAWAII	252.71	300.49	294.00	37.0	39.8	39.2	6.83	7.55	7.50
Honolulu	255.38	288.40	288.25	37.5	38.3	38.9	6.81	7.53	7.41
IDAHO	253.83	288.77	295.63	35.6	36.6	37.0	7.13	7.89	7.99
Boise City	239.19	284.87	273.13	35.7	38.6	38.2	6.70	7.38	7.15

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. 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		
	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P
ILLINOIS	\$309.26	\$351.35	\$351.28	39.7	40.2	40.1	\$7.79	\$8.74	\$8.76
Bloomington—Normal	291.04	304.96	307.89	41.4	38.7	38.2	7.03	7.88	8.06
Champaign—Urbana—Rantoul	281.30	301.82	309.67	38.8	38.4	39.1	7.25	7.86	7.92
Chicago SMSA	294.18	319.16	321.14	39.7	39.5	39.5	7.41	8.08	8.13
Davenport—Rock Island—Moline	368.24	412.88	419.85	40.6	39.7	40.1	9.07	10.40	10.47
Decatur	330.19	393.00	401.88	37.1	39.3	39.4	8.90	10.00	10.20
Kankakee	252.01	296.83	288.78	38.3	38.7	37.7	6.58	7.67	7.66
Peoria	382.96	437.34	438.36	38.8	39.4	39.0	9.87	11.10	11.24
Rockford	309.46	359.04	363.96	40.4	41.7	41.5	7.66	8.61	8.77
Springfield	299.89	372.19	366.37	38.3	40.9	39.1	7.83	9.10	9.37
INDIANA	326.23	372.20	372.40	39.4	40.5	40.0	8.28	9.19	9.31
Gary—Hammond—East Chicago	443.20	500.56	(*)	40.0	41.3	(*)	11.08	12.12	(*)
Indianapolis	323.16	366.73	(*)	39.7	40.3	(*)	8.14	9.10	(*)
IOWA	338.58	368.14	371.45	39.6	39.5	39.6	8.55	9.32	9.38
Cedar Rapids	340.61	375.96	369.86	40.5	40.6	39.6	8.41	9.26	9.34
Des Moines	340.08	374.58	373.44	39.0	39.1	38.9	8.72	9.58	9.60
Dubuque	413.96	414.88	413.40	39.5	39.4	39.0	10.48	10.53	10.60
Sioux City	330.79	367.65	374.98	42.3	42.9	43.3	7.82	8.57	8.66
Waterloo—Cedar Falls	427.63	470.92	468.75	41.0	38.6	38.9	10.43	12.20	12.05
KANSAS	283.22	312.62	316.61	39.5	40.6	40.8	7.17	7.70	7.76
Topeka	301.72	323.19	350.66	39.7	39.9	41.4	7.60	8.10	8.47
Wichita	305.74	356.55	350.70	38.8	41.8	41.9	7.88	8.53	8.37
KENTUCKY	279.75	308.00	308.88	38.8	40.0	39.6	7.21	7.70	7.80
Lexington—Fayette	272.84	303.28	291.19	38.0	38.1	37.0	7.18	7.97	7.87
Louisville	313.97	364.00	368.75	39.1	40.4	40.3	8.03	9.01	9.15
LOUISIANA	314.52	341.90	337.28	40.9	40.8	40.2	7.69	8.38	8.39
Baton Rouge	412.16	455.79	467.80	42.8	43.7	42.8	9.63	10.43	10.93
New Orleans	307.76	337.02	332.52	41.2	41.2	40.8	7.47	8.18	8.15
Shreveport	269.45	297.26	294.46	39.8	39.9	39.9	6.77	7.45	7.38
MAINE	235.31	260.58	260.50	40.5	40.4	40.2	5.81	6.45	6.48
Lewiston—Auburn	190.35	205.80	206.63	38.3	37.9	37.5	4.97	5.43	5.51
Portland	225.10	244.92	246.24	39.7	39.0	38.0	5.67	6.28	6.48
MARYLAND	292.04	324.81	333.30	39.2	40.1	40.4	7.45	8.10	8.25
Baltimore	308.43	345.98	355.56	39.9	40.8	41.2	7.73	8.48	8.63
MASSACHUSETTS	253.92	277.09	(*)	39.8	40.1	(*)	6.38	6.91	(*)
Boston	276.80	300.75	(*)	40.0	1.3	(*)	6.92	7.50	(*)
Brockton	199.16	223.76	(*)	38.3	40.1	(*)	5.20	5.58	(*)
Fall River	197.22	206.22	(*)	38.0	37.7	(*)	5.19	5.47	(*)
Lawrence—Haverhill	269.28	285.65	(*)	41.3	41.1	(*)	6.52	6.95	(*)
Lowell	230.47	250.73	(*)	39.6	39.3	(*)	5.82	6.38	(*)
New Bedford	221.18	231.87	(*)	38.6	38.2	(*)	5.73	6.07	(*)
Springfield—Chicopee—Holyoke	259.67	277.71	(*)	40.7	40.9	(*)	6.38	6.79	(*)
Worcester	259.50	281.87	(*)	39.8	39.7	(*)	6.52	7.10	(*)
MICHIGAN	367.60	420.58	418.40	39.6	41.1	40.8	9.28	10.23	10.26
Ann Arbor	392.97	468.27	477.16	39.9	42.4	43.6	9.85	11.04	10.94
Battle Creek	362.23	404.71	399.84	40.4	40.9	40.4	8.97	9.90	9.90
Bay City	336.76	366.73	370.95	40.1	40.3	40.4	8.40	9.10	9.18
Detroit	397.34	449.01	439.80	40.2	41.3	40.7	9.88	10.87	10.81
Flint	429.35	488.09	485.74	41.3	41.6	41.5	10.40	11.73	11.80
Grand Rapids	306.04	346.42	344.13	39.7	40.9	40.5	7.71	8.47	8.50
Jackson	327.04	391.18	380.81	39.8	43.6	42.2	8.22	8.97	9.02
Kalamazoo—Portage	332.64	414.95	402.37	39.6	42.2	41.1	8.40	9.83	9.79
Lansing—East Lansing	386.68	439.59	473.93	38.8	38.5	39.1	9.97	11.42	12.12
Muskegon—Norton Shores—Muskegon Heights	322.87	368.71	367.64	39.5	41.1	41.1	8.17	8.97	8.95
Saginaw	406.60	505.39	504.78	38.6	42.0	42.1	10.55	12.03	11.99
MINNESOTA	293.83	322.32	(*)	39.6	39.5	(*)	7.42	8.16	(*)
Duluth—Superior	268.61	299.34	(*)	38.1	37.7	(*)	7.05	7.94	(*)
Minneapolis—St. Paul	308.89	341.02	(*)	39.5	39.7	(*)	7.82	8.59	(*)
St. Cloud	217.71	247.31	(*)	35.4	37.7	(*)	6.15	6.56	(*)

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. 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		
	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P
MISSISSIPPI	\$207.97	\$234.82	\$235.61	38.8	39.4	39.4	\$5.36	\$5.96	\$5.98
Jackson.....	229.77	258.16	261.14	40.1	40.4	40.3	5.73	6.39	6.48
MISSOURI	274.77	301.07	304.97	38.7	39.1	39.3	7.10	7.70	7.76
Kansas City.....	314.02	343.33	350.95	39.4	39.6	39.7	7.97	8.67	8.84
St. Joseph.....	267.13	284.20	289.41	39.4	39.2	39.7	6.78	7.25	7.29
St. Louis.....	316.40	340.26	347.93	39.5	39.2	39.9	8.01	8.68	8.72
Springfield.....	256.61	300.94	299.63	39.6	41.0	40.6	6.48	7.34	7.38
MONTANA	371.70	367.85	367.11	41.3	41.1	40.7	9.00	8.95	9.02
NEBRASKA	288.95	317.16	309.66	40.3	40.3	39.7	7.17	7.87	7.80
Lincoln.....	268.38	283.88	286.14	37.8	37.8	38.0	7.10	7.51	7.53
Omaha.....	286.30	321.57	313.58	38.9	39.7	39.1	7.36	8.10	8.02
NEVADA	281.57	318.16	324.53	37.0	38.8	39.1	7.61	8.20	8.30
Las Vegas.....	341.91	403.57	(*)	39.3	39.8	(*)	8.70	10.14	(*)
NEW HAMPSHIRE	227.43	248.62	248.18	39.9	40.1	39.9	5.70	6.20	6.22
Manchester.....	211.04	232.85	233.43	39.3	39.4	39.1	5.37	5.91	5.97
Nashua.....	253.31	280.30	275.31	40.4	40.8	39.9	6.27	6.87	6.90
NEW JERSEY	294.26	320.44	317.87	40.7	41.4	40.7	7.23	7.74	7.81
Atlantic City.....	229.74	223.97	216.74	36.7	36.3	35.3	6.26	6.17	6.14
Camden ¹	287.04	313.43	319.50	40.6	40.6	40.7	7.07	7.72	7.85
Hackensack ²	265.60	277.17	275.89	40.0	40.7	40.1	6.64	6.81	6.88
Jersey City ³	282.80	299.15	308.59	40.4	40.7	41.2	7.00	7.35	7.49
New Brunswick—Perth Amboy—Sayreville ⁴	339.83	369.79	365.82	41.8	42.8	42.0	8.13	8.64	8.71
Newark ⁵	306.53	338.55	334.97	41.2	41.9	41.1	7.44	8.08	8.15
Paterson—Clifton—Passaic ²	268.40	308.79	303.05	40.3	42.3	41.8	6.66	7.30	7.25
Trenton.....	292.89	339.55	333.43	39.0	39.9	39.6	7.51	8.51	8.42
NEW MEXICO	223.44	250.57	251.77	39.2	39.9	39.9	5.70	6.28	6.31
Albuquerque.....	225.79	258.45	258.62	40.1	40.7	40.6	5.88	6.35	6.37
NEW YORK	275.18	305.29	304.56	39.2	39.7	39.4	7.02	7.69	7.73
Albany—Schenectady—Troy.....	290.73	322.77	321.19	40.1	40.6	39.8	7.25	7.95	8.07
Binghamton.....	263.63	291.33	294.24	41.0	41.5	41.5	6.43	7.02	7.09
Buffalo.....	355.41	398.78	410.66	39.8	40.2	40.7	8.93	9.92	10.09
Elmira.....	279.20	300.35	308.73	40.7	40.1	41.0	6.86	7.49	7.53
Monroe County.....	367.92	417.49	410.27	41.2	41.5	40.5	8.93	10.06	10.13
Nassau—Suffolk ¹	262.01	292.58	290.87	39.4	40.3	39.9	6.65	7.26	7.29
New York—Northeastern New Jersey.....	263.14	291.67	(*)	39.1	39.9	(*)	6.73	7.31	(*)
New York and Nassau—Suffolk ²	238.50	266.11	264.80	37.5	38.4	38.1	6.36	6.93	6.95
New York SMSA ⁴	232.36	258.86	258.25	37.0	37.9	37.7	6.28	6.83	6.85
New York City ⁵	227.76	254.25	253.27	36.5	37.5	37.3	6.24	6.78	6.79
Poughkeepsie.....	273.21	318.00	320.25	40.9	42.4	42.7	6.68	7.50	7.50
Rochester.....	346.86	393.05	387.99	41.0	41.2	40.5	8.46	9.54	9.58
Rockland County ³	268.94	292.22	288.80	40.2	41.1	40.0	6.69	7.11	7.22
Syracuse.....	310.80	331.68	332.51	42.0	41.1	40.6	7.40	8.07	8.19
Utica—Rome.....	262.02	288.23	287.43	39.7	40.2	39.7	6.60	7.17	7.24
Westchester County ⁵	268.51	303.26	298.07	41.5	41.6	41.0	6.47	7.29	7.27
NORTH CAROLINA	205.02	225.79	225.81	39.2	39.2	39.0	5.23	5.76	5.79
Asheville.....	200.94	218.96	219.04	39.4	39.1	38.7	5.10	5.60	5.66
Charlotte—Gastonia.....	207.03	237.10	235.94	40.2	40.6	40.4	5.15	5.84	5.84
Greensboro—Winston-Salem—High Point.....	224.22	243.66	244.58	39.2	38.8	38.7	5.72	6.28	6.32
Raleigh—Durham.....	240.20	253.60	257.54	40.1	38.6	39.2	5.99	6.57	6.58
NORTH DAKOTA	238.82	260.85	267.95	37.2	37.0	37.9	6.42	7.05	7.07
Fargo—Moorhead.....	260.48	284.21	283.12	37.0	37.2	37.4	7.04	7.64	7.57
OHIO	337.34	381.60	386.22	40.4	40.9	41.0	8.35	9.33	9.42
Akron.....	351.07	390.09	393.12	41.4	41.9	42.0	8.48	9.31	9.36
Canton.....	333.21	386.88	383.27	38.7	40.3	39.8	8.61	9.60	9.63
Cincinnati.....	321.50	352.64	350.02	40.8	41.1	40.7	7.88	8.58	8.60
Cleveland.....	342.26	389.16	391.27	40.6	41.4	41.1	8.43	9.40	9.52
Columbus.....	294.00	333.56	337.90	39.2	39.9	39.8	7.50	8.36	8.49
Dayton.....	345.26	388.75	401.74	41.2	41.4	42.2	8.38	9.39	9.52
Toledo.....	343.08	397.58	392.90	39.8	41.2	40.8	8.62	9.65	9.63
Youngstown—Warren.....	397.20	471.65	473.14	39.8	40.8	41.0	9.98	11.56	11.54

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. 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		
	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P
OKLAHOMA	\$289.20	\$328.85	\$329.25	40.0	40.8	40.3	\$7.23	\$8.06	\$8.17
Oklahoma City	316.61	353.74	357.06	40.8	40.8	40.9	7.76	8.67	8.73
Tulsa	298.23	350.20	341.20	39.5	41.2	40.0	7.55	8.50	8.53
OREGON	308.95	349.27	351.00	37.0	37.8	37.5	8.35	9.24	9.36
Eugene—Springfield	319.74	369.38	363.47	36.5	38.8	38.1	8.76	9.52	9.54
Jackson County	293.49	338.52	344.31	36.1	39.0	38.6	8.13	8.68	8.92
Portland	316.36	345.14	352.86	38.3	36.6	37.3	8.26	9.43	9.46
Salem	296.52	332.33	333.53	35.3	36.6	37.1	8.40	9.08	8.99
PENNSYLVANIA	288.67	320.72	320.62	38.8	39.4	39.1	7.44	8.14	8.20
Allentown—Bethlehem—Easton	294.53	323.02	324.70	38.5	38.5	38.2	7.65	8.39	8.50
Altoona	250.97	273.46	275.28	38.2	38.3	38.5	6.57	7.14	7.15
Delaware Valley	293.61	326.40	325.54	39.2	40.0	39.7	7.49	8.16	8.20
Erie	302.19	340.72	337.31	40.4	41.1	40.3	7.48	8.29	8.37
Harrisburg	287.15	304.84	304.09	40.5	40.7	40.6	7.09	7.49	7.49
Johnstown	304.51	320.89	334.36	37.0	37.4	38.3	8.23	8.58	8.73
Lancaster	257.65	278.78	283.14	39.7	39.6	39.6	6.49	7.04	7.15
Northeast Pennsylvania	208.62	223.38	219.65	36.6	36.5	35.6	5.70	6.12	6.17
Philadelphia SMSA	292.74	324.41	324.79	39.4	40.1	39.9	7.43	8.09	8.14
Pittsburgh	363.60	409.18	404.21	40.0	41.0	40.3	9.09	9.98	10.03
Reading	268.62	302.76	301.72	39.1	40.1	39.7	6.87	7.55	7.60
Scranton	206.39	219.41	215.75	36.4	37.0	36.2	5.67	5.93	5.96
Wilkes-Barre—Hazleton	209.19	226.61	222.46	36.7	36.2	35.2	5.70	6.26	6.32
Williamsport	255.42	299.30	300.05	38.7	39.8	39.9	6.60	7.52	7.52
York	271.88	298.48	299.62	40.7	41.0	41.1	6.68	7.28	7.29
RHODE ISLAND	214.42	237.80	234.00	39.2	39.7	39.0	5.47	5.99	6.00
Providence—Warwick—Pawtucket	212.16	236.81	232.44	39.0	39.8	39.0	5.44	5.95	5.96
SOUTH CAROLINA	215.97	244.01	247.25	39.7	40.6	40.6	5.44	6.01	6.09
Charleston—North Charleston	258.44	286.33	288.96	40.7	41.8	42.0	6.35	6.85	6.88
Columbia	211.43	231.87	231.46	39.3	39.3	38.9	5.38	5.90	5.95
Greenville—Spartanburg	216.56	233.83	236.61	39.9	39.7	39.7	5.43	5.89	5.96
SOUTH DAKOTA	249.25	286.62	296.34	39.5	41.6	42.7	6.31	6.89	6.94
Rapid City	201.83	245.70	254.19	32.5	35.1	37.0	6.21	7.00	6.87
Sioux Falls	332.00	387.49	433.51	41.5	44.9	48.6	8.00	8.63	8.92
TENNESSEE	234.23	259.75	261.36	39.3	39.9	39.6	5.96	6.51	6.60
Chattanooga	243.39	263.63	255.53	40.7	41.0	40.3	5.98	6.42	6.44
Knoxville	268.25	294.40	292.47	39.8	40.0	39.9	6.74	7.36	7.33
Memphis	260.17	296.74	285.87	39.6	40.1	40.2	6.57	7.40	7.36
Nashville—Davidson	249.46	281.50	284.97	39.1	40.1	39.8	6.38	7.02	7.16
TEXAS	284.09	320.02	322.51	40.7	41.4	41.4	6.98	7.73	7.79
Abilene	182.35	221.62	218.78	39.3	43.2	42.4	4.64	5.13	5.16
Amarillo	280.95	315.02	314.88	40.6	40.7	41.0	6.92	7.74	7.68
Austin	223.72	242.40	243.41	41.2	40.0	40.3	5.43	6.06	6.04
Beaumont—Port Arthur—Orange	433.19	447.26	447.68	41.1	41.8	41.8	10.54	10.70	10.71
Corpus Christi	313.12	343.14	348.21	41.2	43.0	43.8	7.60	7.98	7.95
Dallas—Fort Worth	260.55	296.84	299.06	39.9	41.0	40.8	6.53	7.24	7.33
El Paso	206.04	213.04	206.67	40.4	43.3	41.5	5.10	4.92	4.99
Galveston—Texas City	421.67	472.54	500.86	41.3	42.8	44.6	10.21	11.05	11.23
Houston	365.90	405.68	404.76	43.2	44.0	43.9	8.47	9.22	9.22
Longview—Marshall	284.47	314.06	327.18	39.4	41.0	42.0	7.22	7.66	7.79
Lubbock	218.83	250.08	245.08	40.3	41.2	40.7	5.43	6.07	6.12
San Angelo	202.19	207.11	215.59	40.6	39.6	41.3	4.98	5.23	5.22
San Antonio	207.83	232.47	229.80	41.4	41.0	40.6	5.02	5.67	5.66
Sherman—Denison	245.43	271.13	273.15	40.5	38.9	38.8	6.06	6.97	7.04
Waco	238.85	264.31	260.29	38.4	40.6	39.8	6.22	6.51	6.54
Wichita Falls	253.24	275.37	283.03	38.9	40.2	40.9	6.51	6.85	6.92
UTAH	269.84	292.80	300.20	39.8	40.0	39.5	6.78	7.32	7.60
Salt Lake City—Ogden	262.63	287.41	292.90	41.1	41.0	40.4	6.39	7.01	7.25
VERMONT	243.17	269.43	266.64	40.8	40.7	40.4	5.96	6.62	6.60
Burlington	270.67	298.92	295.65	41.9	42.4	41.7	6.46	7.05	7.09
Springfield	281.59	318.19	305.02	42.6	42.2	40.4	6.61	7.54	7.55

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. 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		
	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P
VIRGINIA	\$237.12	\$264.94	\$265.56	39.0	39.9	39.4	\$6.08	\$6.64	\$6.74
Bristol	199.27	217.99	230.68	36.1	37.2	36.5	5.52	5.86	6.32
Lynchburg	224.23	268.96	268.26	38.2	41.0	40.4	5.87	6.56	6.64
Norfolk—Virginia Beach—Portsmouth	250.91	288.56	275.71	40.6	41.7	39.5	6.18	6.92	6.98
Northern Virginia ¹	270.18	284.25	285.60	39.5	39.7	40.0	6.84	7.16	7.24
Petersburgh—Colonial Heights—Hopewell	302.06	311.20	321.99	40.6	40.0	39.9	7.44	7.78	8.07
Richmond	310.85	351.14	353.90	39.7	40.5	40.4	7.83	8.67	8.76
Roanoke	224.76	248.65	243.89	39.5	40.3	39.4	5.69	6.17	6.19
WASHINGTON	345.80	407.15	405.86	38.0	39.3	39.1	9.10	10.36	10.38
Seattle—Everett	358.66	406.22	411.59	38.9	40.3	39.5	9.22	10.08	10.43
Spokane	326.02	358.75	373.26	38.4	38.7	38.6	8.49	9.27	9.49
Tacoma	351.88	384.31	403.26	38.0	37.9	39.0	9.26	10.14	10.34
WEST VIRGINIA	311.26	338.70	339.77	39.5	39.8	39.6	7.88	8.51	8.58
Charleston	360.40	397.57	422.03	42.3	41.5	42.5	8.52	9.58	9.93
Huntington—Ashland	345.65	383.13	363.44	37.9	40.5	38.5	9.12	9.46	9.44
Parkersburg—Marietta	329.25	364.49	368.18	40.9	41.0	41.0	8.05	8.89	8.98
Wheeling	335.24	381.97	367.28	40.1	39.5	38.1	8.36	9.67	9.64
WISCONSIN	313.50	345.68	342.61	40.0	40.3	39.7	7.85	8.59	8.64
Appleton—Oshkosh	310.22	346.17	344.28	41.2	41.9	41.7	7.52	8.27	8.26
Eau Claire	310.07	348.12	332.96	40.2	42.1	40.6	7.72	8.28	8.20
Green Bay	326.63	364.56	360.46	41.8	41.9	41.5	7.82	8.70	8.68
Janeville—Beloit	282.71	325.04	357.85	38.8	41.1	39.0	7.28	7.91	9.17
Kenosha	359.29	369.44	386.05	39.3	40.0	39.1	9.15	9.23	9.88
La Crosse	275.03	300.88	297.36	40.3	40.9	39.8	6.83	7.35	7.47
Madison	320.20	327.07	327.68	39.9	38.8	38.8	8.03	8.43	8.45
Milwaukee	343.00	380.57	374.32	40.0	40.1	39.4	8.58	9.49	9.51
Racine	343.26	368.14	358.87	40.3	40.0	38.8	8.53	9.20	9.25
WYOMING	282.55	313.20	322.80	38.6	40.0	40.0	7.32	7.83	8.07
VIRGIN ISLAND	282.08	339.39	336.94	41.0	41.9	41.7	6.88	8.10	8.08

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

Lackawanna County.
⁸ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.
⁹ 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

[Per 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	P3.4								
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	2.1	2.1	2.4	2.1	2.5	2.6	2.2	1.6	1.2
1981.....		1.8	1.8	2.0	P2.0								
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	.5	.5
1980.....	1.1	1.1	.9	.9	.8	1.0	1.2	1.4	1.7	1.4	1.1	.9	.8
1981.....		1.3	1.0	1.1	P1.1								
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	3.7	3.0	3.1
1981.....		3.6	3.1	3.2	P3.1								
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	P1.3								
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	1.3	1.6
1981.....		1.6	1.2	1.2	P1.1								

p=preliminary.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates, by industry

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Mar. 1981	Apr. 1981P	Mar. 1981	Apr. 1981P	Mar. 1981	Apr. 1981P	Mar. 1981	Apr. 1981P	Mar. 1981	Apr. 1981P	Mar. 1981	Apr. 1981P
	MANUFACTURING	3.4	3.4	2.0	2.0	1.1	1.1	3.2	3.1	1.2	1.3	1.2	1.1
24, 25, 32-39	DURABLE GOODS	3.2	3.1	1.8	1.7	1.1	1.2	2.9	2.7	1.0	1.0	1.2	1.0
20-23, 26-31	NONDURABLE GOODS	3.6	3.7	2.4	2.4	1.1	1.1	3.5	3.6	1.5	1.6	1.3	1.3
	DURABLE GOODS												
24	LUMBER AND WOOD PRODUCTS	5.4	5.5	3.0	3.1	2.2	2.2	5.0	4.6	2.0	2.3	2.1	1.5
242	Sawmills and planing mills	5.1	-	2.5	-	2.2	-	5.1	-	1.8	-	2.4	-
2421	Sawmills and planing mills, general	4.9	-	2.3	-	2.4	-	5.0	-	1.5	-	2.6	-
243	Millwork, plywood, and structural members	4.9	-	2.9	-	1.9	-	4.6	-	2.0	-	1.7	-
2431	Millwork	3.9	-	3.0	-	.9	-	4.8	-	1.7	-	2.2	-
244	Wooden containers	5.0	-	2.9	-	1.8	-	4.4	-	2.3	-	1.4	-
245	Wood buildings and mobile homes	9.7	-	6.8	-	2.8	-	6.6	-	4.1	-	1.2	-
2451	Mobile homes	10.5	-	7.4	-	3.0	-	7.6	-	4.9	-	1.3	-
249	Miscellaneous wood products	4.2	-	3.2	-	.7	-	3.4	-	1.6	-	1.0	-
25	FURNITURE AND FIXTURES	4.0	4.3	2.9	3.1	.9	1.1	3.9	4.0	2.0	2.0	1.0	1.0
251	Household furniture	4.3	-	3.2	-	.8	-	4.1	-	2.3	-	.7	-
2511	Wood household furniture	4.0	-	3.4	-	.3	-	3.9	-	2.5	-	.5	-
2512	Upholstered household furniture	3.7	-	2.9	-	.7	-	3.6	-	2.3	-	.5	-
2515	Mattresses and bedsprings	3.4	-	2.5	-	.8	-	3.9	-	1.8	-	1.1	-
252	Office furniture	2.8	-	2.0	-	.7	-	2.7	-	1.5	-	.6	-
254	Partitions and fixtures	4.1	-	2.9	-	1.1	-	4.2	-	1.6	-	1.8	-
32	STONE, CLAY, AND GLASS PRODUCTS	4.5	4.4	1.9	1.9	2.5	2.3	3.2	3.0	1.1	1.1	1.4	1.1
322	Glass and glassware, pressed or blown	3.3	-	1.0	-	2.0	-	3.1	-	.6	-	1.5	-
3221	Glass containers	3.5	-	1.1	-	2.1	-	3.1	-	.7	-	1.6	-
3229	Pressed and blown glass, nec	3.2	-	.9	-	1.8	-	3.0	-	.5	-	1.4	-
323	Products of purchased glass	2.6	-	1.1	-	1.1	-	3.0	-	.7	-	1.4	-
324	Cement, hydraulic	4.5	-	.8	-	3.6	-	2.0	-	.2	-	1.2	-
325	Structural clay products	7.0	-	2.3	-	4.7	-	4.0	-	1.7	-	1.5	-
326	Pottery and related products	2.9	-	1.7	-	1.0	-	4.1	-	1.0	-	2.3	-
327	Concrete, gypsum, and plaster products	7.4	-	3.3	-	3.9	-	4.0	-	1.7	-	1.4	-
329	Misc. nonmetallic mineral products	2.9	-	1.3	-	1.4	-	2.5	-	.8	-	1.1	-
33	PRIMARY METAL INDUSTRIES	2.7	2.6	1.0	.9	1.4	1.3	2.4	2.1	.5	.5	1.1	.8
331	Blast furnace and basic steel products	2.5	-	.6	-	1.6	-	2.3	-	.2	-	1.2	-
3312	Blast furnaces and steel mills	2.4	-	.4	-	1.6	-	2.3	-	.2	-	1.3	-
332	Iron and steel foundries	3.4	-	1.7	-	1.4	-	3.1	-	.9	-	1.4	-
3321	Gray iron foundries	3.4	-	1.7	-	1.3	-	2.8	-	.9	-	1.2	-
3325	Steel foundries, nec	4.1	-	2.0	-	1.6	-	4.0	-	.9	-	2.1	-
333	Primary nonferrous metals	1.1	-	.5	-	.3	-	.9	-	.2	-	.3	-
335	Nonferrous rolling and drawing	2.6	-	1.1	-	1.4	-	1.6	-	.6	-	.5	-
3351	Copper rolling and drawing	2.6	-	1.6	-	.8	-	1.6	-	.5	-	.4	-
3353	Aluminum sheet, plate, and foil	1.8	-	.6	-	1.1	-	1.5	-	.3	-	.8	-
3357	Nonferrous wire drawing and insulating	3.0	-	1.1	-	1.8	-	1.6	-	.7	-	.4	-
336	Nonferrous foundries	3.6	-	2.0	-	1.4	-	4.0	-	1.1	-	2.2	-
3361	Aluminum foundries	4.0	-	2.1	-	1.8	-	4.9	-	1.1	-	3.1	-
34	FABRICATED METAL PRODUCTS	3.9	3.3	2.1	1.9	1.4	1.1	3.4	3.1	1.2	1.1	1.4	1.3
341	Metal cans and shipping containers	4.3	-	1.0	-	2.9	-	5.7	-	.6	-	3.9	-
3411	Metal cans	4.0	-	.5	-	3.1	-	6.2	-	.4	-	4.6	-
342	Cutlery, hand tools, and hardware	3.5	-	1.3	-	1.5	-	2.7	-	1.0	-	1.2	-
3423, 5	Hand and edge tools, and hand saws and blades	2.4	-	1.3	-	1.1	-	2.6	-	1.0	-	1.0	-
3429	Hardware, nec	4.4	-	1.4	-	1.9	-	2.9	-	1.1	-	1.3	-
343	Plumbing and heating, except electric	2.7	-	1.7	-	.9	-	3.1	-	1.0	-	1.6	-
344	Fabricated structural metal products	3.8	-	2.6	-	1.1	-	4.0	-	1.5	-	1.6	-
3441	Fabricated structural metal	3.8	-	2.4	-	1.3	-	4.3	-	1.5	-	1.7	-
3442	Metal doors, sash, and trim	4.7	-	2.5	-	2.1	-	6.1	-	2.1	-	3.0	-
3443	Fabricated plate work (boiler shops)	2.6	-	2.0	-	.4	-	2.7	-	1.0	-	.9	-
3444	Sheet metal work	4.4	-	3.3	-	1.0	-	4.0	-	1.8	-	1.4	-
345	Screw machine products, bolts, etc.	2.8	-	1.7	-	1.0	-	2.5	-	1.2	-	.6	-
3451	Screw machine products	3.0	-	2.1	-	.9	-	2.8	-	1.5	-	.7	-
3452	Bolts, nuts, rivets, and washers	2.5	-	1.4	-	1.0	-	2.3	-	1.0	-	.5	-
346	Metal forgings and stampings	5.8	-	1.6	-	2.9	-	2.8	-	.8	-	1.3	-
3462	Iron and steel forgings	3.7	-	2.0	-	1.6	-	2.3	-	.6	-	.8	-
3465	Automotive stampings	10.8	-	1.1	-	6.1	-	3.0	-	.4	-	2.1	-
3469	Metal stampings, nec	3.2	-	1.8	-	1.3	-	3.0	-	1.3	-	1.0	-
347	Metal services, nec	4.4	-	3.3	-	.8	-	4.8	-	1.8	-	2.0	-
348	Ordinance and accessories, nec	2.0	-	1.1	-	.7	-	2.0	-	.6	-	.8	-
349	Misc. fabricated metal products	3.6	-	2.4	-	1.0	-	2.5	-	1.1	-	.7	-
3494	Valves and pipe fittings	3.8	-	2.5	-	1.2	-	1.8	-	.9	-	.3	-
3496	Misc. fabricated wire products	4.3	-	3.0	-	1.1	-	3.8	-	1.6	-	1.4	-

See footnotes at end of table.

ESTABLISHMENT DATA LABOR TURNOVER

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

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Mar. 1981	Apr. 1981P	Mar. 1981	Apr. 1981P	Mar. 1981	Apr. 1981P	Mar. 1981	Apr. 1981P	Mar. 1981	Apr. 1981P	Mar. 1981	Apr. 1981P
35	MACHINERY, EXCEPT ELECTRICAL	2.5	2.3	1.6	1.5	0.6	0.6	2.4	2.4	0.8	0.9	0.9	0.9
361	Engines and turbines	2.3	-	.9	-	.7	-	4.0	-	.3	-	2.7	-
3611	Turbines and turbine generator sets	1.8	-	1.2	-	(1)	-	1.5	-	.1	-	.4	-
3619	Internal combustion engines, nec	2.5	-	.8	-	1.0	-	5.0	-	.4	-	3.7	-
352	Farm and garden machinery	2.2	-	.9	-	1.0	-	2.4	-	.7	-	1.1	-
3523	Farm machinery and equipment	2.5	-	1.0	-	1.1	-	2.3	-	.7	-	.9	-
353	Construction and related machinery	2.6	-	1.8	-	.6	-	2.1	-	.8	-	.6	-
3531	Construction machinery	2.0	-	.9	-	.9	-	1.9	-	.5	-	.8	-
3533	Oil field machinery	3.9	-	3.6	-	.1	-	2.3	-	1.5	-	(1)	-
354	Metalworking machinery	2.1	-	1.4	-	.5	-	2.4	-	.8	-	.9	-
3541	Machine tools, metal cutting types	1.1	-	.9	-	.1	-	1.3	-	.5	-	.4	-
3544	Special dies, tools, jigs, and fixtures	3.2	-	2.3	-	.6	-	3.0	-	1.1	-	1.0	-
3546	Machine tool accessories	1.6	-	.9	-	.5	-	2.3	-	.8	-	.7	-
355	Special industry machinery	2.1	-	1.6	-	.4	-	2.2	-	.8	-	.9	-
3551	Food products machinery	2.0	-	1.7	-	.3	-	2.9	-	.6	-	1.7	-
3552	Textile machinery	2.4	-	1.8	-	.4	-	3.6	-	1.0	-	1.9	-
356	General industrial machinery	2.4	-	1.4	-	.7	-	2.3	-	.7	-	1.0	-
3561	Pumps and pumping equipment	2.2	-	1.3	-	.6	-	1.9	-	.6	-	.5	-
3562	Ball and roller bearings	2.2	-	1.1	-	.7	-	3.1	-	.7	-	1.9	-
3564	Blowers and fans	3.1	-	2.4	-	.5	-	2.9	-	1.0	-	1.1	-
357	Office and computing machines	2.5	-	2.1	-	.2	-	1.8	-	.9	-	.3	-
3573	Electronic computing equipment	2.5	-	2.2	-	.9	-	1.7	-	.9	-	.2	-
358	Refrigeration and service machinery	2.8	-	1.7	-	.9	-	2.5	-	.7	-	1.0	-
3585	Refrigeration and heating equipment	2.5	-	1.4	-	.8	-	2.5	-	.6	-	1.1	-
359	Misc. machinery, except electrical	3.2	-	2.1	-	1.1	-	2.8	-	1.2	-	.9	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	2.7	2.4	1.7	1.5	.6	.5	2.4	2.3	1.0	.8	.6	.7
361	Electric distributing equipment	2.9	-	1.9	-	.6	-	2.4	-	1.0	-	.4	-
3612	Transformers	3.2	-	2.1	-	.5	-	2.4	-	1.0	-	.3	-
3613	Switchgear and switchboard apparatus	2.7	-	1.7	-	.7	-	2.3	-	1.0	-	.5	-
362	Electrical industrial apparatus	2.6	-	1.5	-	.8	-	2.1	-	.7	-	.6	-
3621	Motors and generators	3.1	-	1.7	-	1.0	-	2.6	-	.8	-	.9	-
3622	Industrial controls	2.1	-	1.2	-	.6	-	1.6	-	.7	-	.2	-
363	Household appliances	3.8	-	1.8	-	1.4	-	3.1	-	.8	-	1.2	-
3632	Household refrigerators and freezers	8.0	-	3.4	-	3.4	-	4.5	-	.8	-	2.0	-
3633	Household laundry equipment	2.7	-	.4	-	1.7	-	1.6	-	.2	-	.3	-
3634	Electric housewares and fans	2.4	-	1.4	-	.7	-	2.7	-	1.1	-	.9	-
364	Electric lighting and wiring equipment	3.1	-	2.1	-	.6	-	2.3	-	1.1	-	.5	-
3641	Electric lamps	1.3	-	.5	-	.5	-	1.9	-	.4	-	.6	-
3643	Current-carrying wiring devices	2.8	-	2.1	-	.4	-	2.1	-	1.1	-	.3	-
365	Radio and TV receiving equipment	3.4	-	1.1	-	1.1	-	3.1	-	.7	-	1.1	-
3651	Radio and TV receiving sets	3.0	-	1.1	-	.6	-	2.7	-	.6	-	.7	-
366	Communication equipment	1.8	-	1.4	-	.2	-	1.9	-	.8	-	.4	-
3661	Telephone and telegraph apparatus	.8	-	.6	-	.1	-	1.5	-	.4	-	.6	-
3662	Radio and TV communication equipment	2.2	-	1.7	-	.2	-	2.0	-	.9	-	.3	-
367	Electronic components and accessories	2.9	-	2.2	-	.5	-	2.8	-	1.4	-	.6	-
3671-3	Electronic tubes	2.1	-	1.2	-	.4	-	2.3	-	.6	-	.5	-
3674	Semiconductors and related devices	2.3	-	2.0	-	.2	-	2.2	-	1.2	-	.2	-
3679	Electronic components, nec	3.4	-	2.5	-	.6	-	3.4	-	1.7	-	1.0	-
369	Misc. electrical equipment and supplies	2.7	-	1.1	-	1.1	-	2.6	-	.7	-	1.0	-
3694	Engine electrical equipment	3.0	-	.8	-	1.5	-	1.9	-	.6	-	.5	-
37	TRANSPORTATION EQUIPMENT	3.3	-	1.4	-	1.5	-	3.4	-	.8	-	1.8	-
371	Motor vehicles and equipment	4.3	-	.9	-	2.7	-	4.6	-	.6	-	3.1	-
3711	Motor vehicles and car bodies	4.9	-	.7	-	3.1	-	6.2	-	.6	-	4.6	-
3713	Truck and bus bodies	3.2	-	1.6	-	1.5	-	5.8	-	1.0	-	4.2	-
3714	Motor vehicle parts and accessories	3.5	-	.7	-	2.3	-	3.0	-	.5	-	1.5	-
3715,6	Truck trailers and motor homes	7.8	-	4.1	-	3.7	-	5.2	-	1.3	-	3.0	-
372	Aircraft and parts	1.5	-	1.1	-	.2	-	1.9	-	.7	-	.6	-
3721	Aircraft	1.2	-	.8	-	.1	-	1.7	-	.7	-	.6	-
3724	Aircraft engines and engine parts	1.1	-	.7	-	.1	-	2.1	-	.5	-	.8	-
3728	Aircraft equipment, nec	2.7	-	2.2	-	.4	-	2.4	-	1.1	-	.6	-
373	Ship and boat building and repairing	5.4	-	3.3	-	1.9	-	4.8	-	1.7	-	2.0	-
3731	Ship building and repairing	4.9	-	2.6	-	2.1	-	4.9	-	1.4	-	2.3	-
3732	Boat building and repairing	7.3	-	5.9	-	1.2	-	4.5	-	2.7	-	.7	-
374	Railroad equipment	1.7	-	.4	-	1.2	-	4.7	-	.5	-	3.4	-
376	Guided missiles, space vehicles, parts	1.7	-	1.5	-	.1	-	1.4	-	.6	-	.4	-
3761	Guided missiles and space vehicles	1.8	-	1.6	-	.1	-	1.2	-	.5	-	.2	-
379	Miscellaneous transportation equipment	7.0	-	4.8	-	1.8	-	3.8	-	2.1	-	.6	-
38	INSTRUMENTS AND RELATED PRODUCTS	2.4	2.0	1.9	1.6	.3	.3	2.0	2.0	1.0	1.0	.4	.4
381	Engineering and scientific instruments	2.2	-	2.0	-	.1	-	1.5	-	.9	-	.1	-
382	Measuring and controlling devices	2.4	-	1.7	-	.4	-	1.8	-	.9	-	.3	-
3822	Environmental controls	2.1	-	1.5	-	.4	-	2.1	-	.7	-	.9	-
3823	Process control instruments	2.4	-	1.8	-	.4	-	2.0	-	1.1	-	.1	-
3825	Instruments to measure electricity	2.2	-	1.7	-	.1	-	1.5	-	.9	-	.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Mar. 1981	Apr. 1981 P	Mar. 1981	Apr. 1981 P	Mar. 1981	Apr. 1981 P	Mar. 1981	Apr. 1981 P	Mar. 1981	Apr. 1981 P	Mar. 1981	Apr. 1981 P
	INSTRUMENTS AND RELATED PRODUCTS—Con'd												
383	Optical instruments and lenses	3.2	—	2.5	—	0.2	—	2.0	—	1.3	—	0.2	—
384	Medical instruments and supplies	2.5	—	2.0	—	.3	—	2.6	—	1.3	—	.6	—
3841	Surgical and medical instruments	3.1	—	2.5	—	.3	—	2.6	—	1.4	—	.5	—
3842	Surgical appliances and supplies	2.2	—	1.7	—	.3	—	2.8	—	1.2	—	.8	—
385	Ophthalmic goods	3.3	—	2.4	—	.3	—	2.9	—	1.8	—	.4	—
386	Photographic equipment and supplies	2.0	—	1.9	—	.1	—	1.0	—	.4	—	.2	—
387	Watches, clocks, and watchcases	2.7	—	1.1	—	.9	—	6.7	—	1.3	—	4.2	—
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	4.3	4.3	2.5	2.4	1.7	1.7	3.5	3.6	1.4	1.5	1.3	1.3
391	Jewelry, silverware, and plated ware	3.8	—	2.2	—	1.5	—	2.9	—	1.1	—	1.1	—
393	Musical instruments	3.2	—	2.0	—	1.0	—	2.7	—	1.4	—	.3	—
394	Toys and sporting goods	6.6	—	3.5	—	2.9	—	4.0	—	1.6	—	1.4	—
3942.4	Dolls, games, toys, and children's vehicles	8.2	—	3.8	—	4.2	—	4.4	—	1.4	—	1.7	—
3949	Sporting and athletic goods, nec	5.1	—	3.3	—	1.6	—	3.7	—	1.8	—	1.0	—
395	Pens, pencils, office and art supplies	2.5	—	1.9	—	.4	—	2.6	—	.9	—	.7	—
396	Costume jewelry and notions	4.1	—	2.3	—	1.7	—	4.4	—	1.7	—	1.7	—
399	Miscellaneous manufactures	3.4	—	2.1	—	1.2	—	3.5	—	1.2	—	1.5	—
	NONDURABLE GOODS												
20	FOOD AND KINDRED PRODUCTS	4.5	5.4	2.5	3.1	1.8	2.1	5.0	4.8	1.7	1.8	2.5	2.2
201	Meat products	5.0	—	3.3	—	1.3	—	5.2	—	2.8	—	1.5	—
2011	Meat packing plants	4.0	—	1.9	—	1.6	—	4.2	—	1.5	—	2.0	—
2013	Sausages and other prepared meats	3.5	—	1.6	—	1.4	—	4.2	—	1.2	—	2.1	—
2016	Poultry dressing plants	7.2	—	6.0	—	.8	—	7.1	—	5.5	—	.5	—
202	Dairy products	3.3	—	2.3	—	.8	—	2.6	—	1.2	—	.7	—
203	Preserved fruits and vegetables	8.2	—	3.1	—	5.1	—	9.1	—	1.6	—	6.6	—
204	Grain mill products	2.3	—	1.6	—	.5	—	4.1	—	1.3	—	2.0	—
205	Bakery products	2.2	—	1.6	—	.4	—	2.3	—	1.0	—	.6	—
2051	Bread, cake, and related products	2.1	—	1.7	—	.3	—	2.1	—	1.1	—	.4	—
2052	Cookies and crackers	2.3	—	1.1	—	1.0	—	3.0	—	.8	—	1.7	—
206	Sugar and confectionery products	4.7	—	1.5	—	3.2	—	8.5	—	1.0	—	6.8	—
207	Fats and oils	2.2	—	1.5	—	.6	—	3.6	—	1.4	—	1.6	—
208	Beverages	4.0	—	1.9	—	1.9	—	3.7	—	1.1	—	2.0	—
2082	Malt beverages	6.5	—	.7	—	5.4	—	5.1	—	.4	—	4.2	—
2086	Bottled and canned soft drinks	3.1	—	2.5	—	.4	—	2.8	—	1.5	—	.6	—
209	Misc. foods and kindred products	6.7	—	3.7	—	2.7	—	6.6	—	2.1	—	3.6	—
21	TOBACCO MANUFACTURES	2.0	—	.8	—	.7	—	6.6	—	.3	—	5.3	—
211	Cigarettes	1.4	—	.4	—	.1	—	1.7	—	.2	—	.4	—
22	TEXTILE MILL PRODUCTS	3.3	3.8	2.4	2.9	.6	.6	3.4	4.0	1.8	2.1	.7	.9
221	Weaving mills, cotton	2.4	—	1.7	—	.2	—	3.2	—	1.7	—	.6	—
222	Weaving mills, synthetics	2.4	—	1.8	—	.4	—	2.9	—	1.5	—	.4	—
223	Weaving and finishing mills, wool	3.4	—	2.7	—	.6	—	3.2	—	1.5	—	.9	—
224	Narrow fabric mills	4.2	—	3.0	—	1.0	—	3.2	—	1.8	—	.5	—
225	Knitting mills	3.9	—	2.9	—	.9	—	3.6	—	2.0	—	.8	—
2251	Women's hosiery, except socks	2.5	—	1.8	—	.7	—	2.8	—	1.7	—	.3	—
2252	Hosiery, nec	4.1	—	3.8	—	.3	—	3.1	—	2.3	—	.2	—
2253	Knit outerwear mills	4.2	—	3.0	—	1.1	—	4.2	—	2.1	—	1.4	—
2254	Knit underwear mills	3.2	—	2.7	—	.3	—	3.1	—	2.0	—	.5	—
2257	Circular knit fabric mills	4.9	—	3.3	—	1.4	—	3.4	—	2.1	—	.6	—
226	Textile finishing, except wool	3.7	—	2.9	—	.5	—	3.4	—	1.7	—	.8	—
227	Floor covering mills	3.1	—	1.9	—	.9	—	3.1	—	1.4	—	.7	—
228	Yarn and thread mills	3.5	—	2.9	—	.4	—	3.9	—	2.4	—	.6	—
229	Miscellaneous textile goods	3.2	—	2.1	—	.9	—	3.0	—	1.2	—	.8	—
23	APPAREL AND OTHER TEXTILE PRODUCTS	5.3	5.1	3.3	3.1	1.8	1.8	4.9	5.1	2.3	2.4	1.9	2.0
231	Men's and boys' suits and coats	3.6	—	2.6	—	.7	—	5.3	—	1.5	—	3.3	—
232	Men's and boys' furnishings	4.8	—	2.8	—	1.8	—	4.5	—	2.4	—	1.5	—
2321	Men's and boys' shirts and nightwear	3.6	—	2.2	—	1.1	—	3.4	—	2.2	—	.7	—
2327	Men's and boys' separate trousers	3.8	—	3.2	—	.6	—	3.6	—	2.6	—	.5	—
2328	Men's and boys' work clothing	5.3	—	3.0	—	2.2	—	5.0	—	2.9	—	1.6	—
233	Women's and misses' outerwear	6.1	—	3.7	—	2.2	—	5.1	—	2.2	—	2.0	—
234	Women's and children's undergarments	5.3	—	3.9	—	1.2	—	4.7	—	2.8	—	1.2	—
2341	Women's and children's underwear	5.5	—	3.9	—	1.4	—	4.9	—	3.0	—	1.3	—
2342	Brassieres and allied garments	4.8	—	4.0	—	.6	—	4.2	—	2.4	—	.9	—
236	Children's outerwear	4.4	—	2.9	—	1.2	—	4.9	—	2.8	—	1.5	—
238	Misc. apparel and accessories	6.2	—	4.0	—	2.0	—	4.3	—	2.2	—	1.2	—
239	Misc. fabricated textile products	5.2	—	3.2	—	1.6	—	5.4	—	1.9	—	2.5	—
26	PAPER AND ALLIED PRODUCTS	2.2	2.6	1.3	1.4	.7	.9	2.4	2.3	.8	.8	1.0	.8
261,2,6	Paper and pulp mills	1.4	—	.7	—	.5	—	1.3	—	.3	—	.6	—
262	Paper mills, except building paper	1.4	—	.8	—	.4	—	1.3	—	.3	—	.5	—

See footnotes at end of table.

ESTABLISHMENT DATA LABOR TURNOVER

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

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Mar. 1981	Apr. 1981P	Mar. 1981	Apr. 1981P	Mar. 1981	Apr. 1981P	Mar. 1981	Apr. 1981P	Mar. 1981	Apr. 1981P	Mar. 1981	Apr. 1981P
	PAPER AND ALLIED PRODUCTS—Continued												
263	Paperboard mills	0.9	-	0.7	-	0.2	-	1.2	-	0.4	-	0.4	-
264	Misc. converted paper products	2.9	-	2.0	-	.8	-	3.4	-	1.2	-	1.3	-
265	Paperboard containers and boxes	2.6	-	1.5	-	1.0	-	2.8	-	.9	-	1.2	-
2651	Folding paperboard boxes	2.8	-	1.4	-	1.3	-	2.8	-	.8	-	1.2	-
2653	Corrugated and solid fiber boxes	2.0	-	1.4	-	.4	-	2.5	-	.9	-	.9	-
27	PRINTING AND PUBLISHING	3.1	2.6	2.5	2.1	.5	.4	2.8	2.7	1.6	1.5	.6	.6
271	Newspapers	3.2	-	3.0	-	.1	-	3.2	-	2.5	-	.1	-
272	Periodicals	2.5	-	2.3	-	.1	-	2.4	-	1.5	-	.2	-
273	Books	3.4	-	2.4	-	.9	-	3.0	-	1.2	-	1.0	-
274	Miscellaneous publishing	2.8	-	2.4	-	.4	-	2.1	-	1.2	-	.3	-
275	Commercial printing	3.5	-	2.4	-	1.0	-	2.7	-	1.2	-	.9	-
2751	Commercial printing, letterpress	4.0	-	2.5	-	1.4	-	2.8	-	1.2	-	1.0	-
2752	Commercial printing, lithographic	3.2	-	2.4	-	.7	-	2.7	-	1.2	-	.9	-
278	Blankbooks and bookbinding	3.4	-	2.7	-	.7	-	2.8	-	1.3	-	1.0	-
28	CHEMICALS AND ALLIED PRODUCTS	1.7	1.6	1.3	1.2	.3	.2	1.5	1.5	.6	.6	.3	.3
281	Industrial inorganic chemicals	1.4	-	1.1	-	.2	-	1.1	-	.5	-	.2	-
2819	Industrial inorganic chemicals, nec	1.4	-	1.1	-	.2	-	1.1	-	.4	-	.2	-
282	Plastics materials and synthetics	1.4	-	.8	-	.4	-	1.4	-	.5	-	.3	-
2821	Plastics materials and resins	1.7	-	1.1	-	.4	-	1.3	-	.7	-	.2	-
2824	Organic fibers, noncellulosic	1.0	-	.4	-	.1	-	1.4	-	.4	-	.3	-
283	Drugs	1.5	-	1.3	-	.1	-	1.5	-	.5	-	.5	-
2834	Pharmaceutical preparations	1.5	-	1.3	-	.1	-	1.6	-	.6	-	.5	-
284	Soap, cleaners, and toilet goods	2.2	-	1.5	-	.5	-	2.0	-	.8	-	.6	-
2841	Soap and other detergents	1.5	-	1.1	-	.4	-	1.9	-	.5	-	1.0	-
2844	Toilet preparations	2.5	-	1.6	-	.5	-	2.1	-	1.0	-	.5	-
285	Paints and allied products	2.3	-	1.9	-	.3	-	1.7	-	.9	-	.3	-
286	Industrial organic chemicals	1.1	-	.9	-	.1	-	1.0	-	.4	-	.1	-
287	Agricultural chemicals	3.5	-	2.8	-	.6	-	2.2	-	1.0	-	.5	-
289	Miscellaneous chemical products	1.9	-	1.4	-	.5	-	1.7	-	.6	-	.4	-
29	PETROLEUM AND COAL PRODUCTS	2.1	2.6	1.6	1.9	.4	.7	1.6	2.0	.5	.6	.6	.7
291	Petroleum refining	1.6	-	1.5	-	(1)	-	1.3	-	.3	-	.5	-
295	Paving and roofing materials	4.9	-	2.0	-	2.8	-	3.6	-	1.5	-	1.4	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	4.1	3.6	2.6	2.3	1.2	1.0	3.4	3.5	1.4	1.5	1.0	1.0
301	Tires and inner tubes	1.3	-	.6	-	.4	-	1.4	-	.3	-	.4	-
302	Rubber and plastics footwear	6.2	-	3.8	-	1.9	-	5.3	-	2.4	-	1.5	-
303.4	Reclaimed rubber, and rubber and plastics hose and belting	2.6	-	1.3	-	1.1	-	2.2	-	.9	-	.5	-
306	Fabricated rubber products, nec	3.8	-	2.0	-	1.5	-	3.1	-	1.2	-	.9	-
307	Miscellaneous plastics products	4.7	-	3.1	-	1.3	-	3.8	-	1.7	-	1.2	-
31	LEATHER AND LEATHER PRODUCTS	5.7	6.2	4.2	4.3	1.4	1.6	5.2	5.6	2.6	2.9	1.6	1.7
311	Leather tanning and finishing	4.8	-	3.1	-	1.7	-	4.5	-	1.6	-	2.1	-
314	Footwear, except rubber	4.9	-	3.7	-	1.0	-	5.2	-	2.7	-	1.5	-
3143	Men's footwear, except athletic	4.5	-	3.8	-	.4	-	4.3	-	2.6	-	.7	-
3144	Women's footwear, except athletic	4.3	-	2.7	-	1.4	-	6.2	-	2.4	-	2.8	-
	NONMANUFACTURING:												
-	MINING	5.2	5.6	4.0	4.3	.9	.9	4.3	4.4	2.7	2.8	.5	.5
10	METAL MINING	1.7	1.3	.8	.6	.4	.5	2.1	1.5	.6	.6	.8	.4
101	Iron ores	2.2	-	.3	-	1.0	-	1.5	-	.1	-	.3	-
102	Copper ores	3.0	-	1.6	-	1.2	-	4.8	-	.6	-	3.2	-
12	BITUMINOUS COAL AND LIGNITE MINING .....	.8	.7	.4	.4	.2	.2	1.2	-	.4	.4	.4	1.6
13	OIL AND GAS EXTRACTION	7.6	7.3	6.5	6.1	.7	.7	6.3	5.2	4.4	3.9	.4	.2
131.2	Crude petroleum, natural gas, and natural gas liquids	2.6	-	2.1	-	.2	-	1.6	-	.9	-	.1	-
138	Oil and gas field services	10.8	-	9.3	-	1.0	-	9.2	-	6.6	-	.6	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	5.8	5.5	1.8	2.1	3.8	3.3	2.5	2.9	1.1	1.2	.9	1.1
142	Crushed and broken stone	9.4	-	1.8	-	7.3	-	2.5	-	1.2	-	1.0	-
144	Sand and gravel	7.0	-	2.0	-	4.8	-	3.2	-	1.2	-	1.3	-
-	COMMUNICATION:												
481	Telephone communication	1.0	-	.9	-	(1)	-	.8	-	.3	-	(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	4.0	4.0	3.8	3.9	3.8	3.7	3.7	3.8	3.9
1977.....	4.0	4.4	4.0	4.0	4.0	4.0	4.0	3.9	3.9	4.0	4.1	4.4
1978.....	4.1	3.9	4.0	4.2	4.0	4.0	4.0	4.1	4.2	4.3	4.3	4.4
1979.....	4.2	4.1	4.0	4.0	4.0	4.0	3.9	3.9	3.9	4.1	4.0	3.9
1980.....	3.9	3.9	3.6	3.0	3.0	3.3	3.4	3.6	3.8	3.8	3.6	3.6
1981.....	3.5	3.6	3.5	P3.3								
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	2.6
1977.....	2.7	2.8	2.8	2.9	3.0	2.8	2.8	2.8	2.8	2.9	2.9	3.2
1978.....	3.0	2.9	3.0	3.1	3.0	3.0	3.0	3.1	3.2	3.3	3.4	3.4
1979.....	3.2	3.2	3.1	3.0	3.0	3.0	2.8	2.8	2.8	2.9	2.9	2.9
1980.....	2.8	2.8	2.5	2.1	1.8	1.8	1.9	1.9	2.1	2.1	2.1	2.2
1981.....	2.2	2.3	2.2	P2.0								
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	3.6	3.8	3.9	3.7	3.9	3.9	4.0	3.9	3.8	3.6	3.6
1977.....	3.9	4.1	3.8	3.7	3.8	3.7	3.9	3.9	3.9	3.7	3.8	3.9
1978.....	3.8	3.8	3.8	4.0	3.9	3.9	3.9	3.8	3.8	4.0	4.0	4.1
1979.....	4.0	4.0	3.9	4.1	4.0	4.1	3.9	4.3	3.9	4.0	4.1	4.0
1980.....	4.1	4.0	4.3	5.3	5.7	5.1	3.8	3.9	3.5	3.4	3.3	3.3
1981.....	3.6	3.8	3.6	P3.4								
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	1.7	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	2.1	2.2	2.2	2.2
1979.....	2.2	2.2	2.1	2.1	2.0	2.0	1.9	2.0	1.9	2.0	2.0	1.9
1980.....	1.9	1.9	1.9	1.5	1.4	1.4	1.3	1.3	1.3	1.3	1.4	1.5
1981.....	1.5	1.5	1.4	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	1.4	1.4	1.4	1.3	1.2
1977.....	1.3	1.5	1.2	1.1	1.1	1.1	1.2	1.2	1.1	1.0	1.0	1.0
1978.....	1.0	1.0	1.0	1.0	1.0	.9	.9	.9	.8	.9	.9	1.0
1979.....	.9	.9	.9	1.1	1.0	1.2	1.1	1.4	1.2	1.2	1.3	1.2
1980.....	1.3	1.3	1.5	2.9	3.5	2.9	1.7	1.9	1.5	1.4	1.2	1.1
1981.....	1.3	1.4	1.4	P1.4								

p-preliminary.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

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

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Feb. 1981	Mar. 1981 ^P	Feb. 1981	Mar. 1981 ^P	Feb. 1981	Mar. 1981 ^P	Feb. 1981	Mar. 1981 ^P	Feb. 1981	Mar. 1981 ^P	Feb. 1981	Mar. 1981 ^P
ALABAMA:												
Birmingham	2.3	1.8	1.1	1.1	1.1	0.6	2.3	1.9	0.7	0.7	0.8	0.7
Mobile	5.7	5.9	1.2	1.6	4.5	4.3	4.9	4.3	.9	1.3	3.4	2.3
ALASKA	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
ARIZONA	3.1	3.5	2.5	2.9	.4	.4	2.9	2.7	1.4	1.4	.4	.3
Phoenix	3.4	3.8	2.7	3.2	.4	.5	2.8	2.8	1.5	1.5	.3	.3
ARKANSAS	4.1	4.9	2.5	3.3	1.3	1.2	4.5	3.9	2.0	2.2	1.6	.8
Fort Smith	3.6	5.8	2.2	2.7	.9	2.3	4.1	4.0	1.6	2.0	1.5	.6
Little Rock—North Little Rock	2.8	4.0	2.2	3.4	.5	.4	3.3	4.2	1.3	1.8	1.1	1.6
Pine Bluff	3.1	2.6	2.1	2.3	.9	.2	2.6	1.8	1.6	1.3	.2	.1
CALIFORNIA	3.5	3.6	2.4	2.5	.9	1.0	3.6	3.5	1.4	1.4	1.4	1.3
COLORADO	2.6	2.9	2.2	2.5	.3	.3	2.1	2.5	1.4	1.5	.3	.3
Denver—Boulder	2.6	2.8	2.2	2.5	.4	.3	2.5	2.7	1.5	1.7	.2	.3
CONNECTICUT	1.9	2.2	1.4	1.5	.4	.5	2.1	2.3	1.0	1.0	.5	.7
Hartford	1.6	1.6	1.2	1.3	.2	.3	2.4	2.5	1.3	1.0	.6	.9
DELAWARE	7.8	2.4	1.2	1.3	6.1	.6	8.4	2.4	.7	.8	6.4	.7
Wilmington	8.0	2.1	.9	.9	6.5	.6	8.6	1.8	.4	.4	7.0	.6
FLORIDA	5.0	4.8	4.0	4.1	.8	.6	4.4	5.6	2.5	2.8	.9	1.3
Fort Lauderdale—Hollywood	5.5	4.7	5.3	4.5	.2	.1	5.1	5.3	3.4	3.3	.2	.9
Jacksonville	5.3	3.7	3.8	2.6	1.5	1.1	4.7	4.2	1.9	1.4	1.9	1.7
Miami	4.7	5.6	4.2	4.9	.5	.7	4.6	4.6	2.5	2.6	1.1	.8
Orlando	9.2	4.5	7.8	4.2	1.3	.2	9.5	4.0	5.7	2.4	2.5	.7
Pensacola	1.3	.7	1.1	.5	.1	.1	1.7	1.4	1.0	.6	.2	.4
Tampa—St. Petersburg	5.1	4.9	4.6	4.0	.4	.8	4.8	4.9	3.7	3.2	.3	.7
West Palm Beach—Boca Raton	5.6	3.0	4.8	2.6	.6	.4	8.3	3.7	3.9	2.2	2.8	.6
GEORGIA	2.8	3.3	2.1	2.3	.4	.7	2.8	3.0	1.5	1.7	.5	.6
Atlanta	2.0	2.8	1.5	1.5	.3	1.1	2.3	2.9	1.1	1.0	.4	1.0
HAWAII ²	3.5	2.2	1.1	1.2	2.3	.8	3.1	3.8	.6	.8	1.5	1.7
IDAHO ³	3.4	4.3	2.0	1.9	1.2	1.9	5.2	7.4	.9	1.2	3.3	5.1
ILLINOIS:												
Chicago SMSA	2.5	3.0	1.6	1.9	.7	.9	2.7	2.5	.8	.9	1.0	.7
Davenport—Rock Island—Moline	1.2	1.7	.5	.5	.5	1.0	2.4	1.6	.4	.4	1.0	.6
Decatur	1.4	2.0	.3	.4	.7	1.4	2.4	1.6	.1	.3	1.3	.7
Peoria	1.3	1.3	.5	.5	.7	.7	2.4	1.2	.3	.3	1.2	.5
Rockford	1.7	2.2	.7	1.0	.9	1.1	2.6	2.2	.6	.6	1.5	1.1
INDIANA ⁴	2.4	3.1	.9	1.3	1.1	1.2	2.8	2.6	.6	.6	1.4	1.2
Indianapolis ⁵	2.5	2.7	1.1	1.1	1.0	1.0	3.8	2.9	.6	.8	1.7	1.1
IOWA	1.8	2.3	.8	.9	.9	1.3	2.9	3.0	.6	.6	1.8	1.8
Cedar Rapids	3.1	1.8	.6	.5	2.0	1.0	3.9	3.8	.7	.5	2.2	2.5
Des Moines	1.9	1.6	.8	.5	.7	1.0	2.3	9.3	.4	.6	.2	7.5
KANSAS	3.2	3.8	2.4	2.6	.6	1.1	3.5	3.2	1.5	1.7	1.3	.8
Topeka	2.9	3.9	1.9	2.3	1.0	1.1	2.4	3.0	1.0	1.1	.8	1.0
Wichita	2.8	3.4	2.2	2.5	.4	.6	3.0	3.0	1.4	1.5	.7	.6
KENTUCKY	3.2	3.5	1.2	1.2	1.7	1.9	3.7	3.5	.7	.7	2.1	2.0
Lexington—Fayette	1.7	2.2	.9	1.5	.7	.6	2.7	3.3	.9	.6	1.1	2.2
Louisville	3.0	1.9	.8	.8	1.6	.6	2.5	2.5	.4	.4	.9	1.0
LOUISIANA:												
New Orleans	4.0	4.6	3.5	4.1	.3	.3	4.2	3.9	2.2	2.3	.7	.3
MAINE	3.5	3.8	2.1	2.4	1.1	1.1	3.6	4.0	1.3	1.5	1.6	1.8
Portland	1.7	1.6	1.6	1.3	.1	.2	2.1	2.8	1.4	1.1	.2	1.1
MARYLAND	2.9	3.5	1.4	1.6	1.4	1.8	3.6	2.7	.8	.9	2.1	1.1
Baltimore	2.9	3.5	1.2	1.3	1.5	2.1	3.9	2.5	.7	.8	2.4	1.0
MASSACHUSETTS	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Boston	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)

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	
	Feb. 1981	Mar. 1981 ^P	Feb. 1981	Mar. 1981 ^P	Feb. 1981	Mar. 1981 ^P	Feb. 1981	Mar. 1981 ^P	Feb. 1981	Mar. 1981 ^P	Feb. 1981	Mar. 1981 ^P
MICHIGAN	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Detroit	2.2	1.3	.4	.3	1.1	.8	3.3	1.2	.5	.3	1.9	.7
Flint	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Grand Rapids	2.5	2.4	.8	.8	1.3	.9	2.2	3.2	.5	.7	1.0	2.0
Lansing—East Lansing	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
MINNESOTA	2.6	2.9	1.6	1.8	.8	.9	2.6	2.7	1.1	1.1	1.2	1.1
Minneapolis—St. Paul	2.4	2.3	1.6	1.7	.7	.5	2.1	2.3	1.1	1.0	.6	.8
MISSISSIPPI:												
Jackson	2.1	2.5	1.6	1.8	.5	.7	4.1	2.9	1.5	1.4	2.0	.9
MISSOURI	2.5	3.8	1.4	1.7	1.0	1.9	3.4	2.8	.8	1.0	2.1	1.1
Kansas City	2.9	2.7	1.9	2.0	.9	.7	2.2	2.0	1.1	1.1	.6	.4
St. Louis	2.0	2.4	1.1	1.1	.9	1.2	2.2	2.4	.5	.6	1.2	1.2
MONTANA	1.1	1.3	.5	.8	.6	.4	4.0	2.3	.9	.7	1.5	1.4
NEBRASKA	2.6	4.0	1.9	2.7	.7	1.1	2.7	3.1	1.3	1.8	.8	.5
NEVADA	4.2	6.0	3.8	5.1	.4	.8	4.8	4.9	2.7	3.3	1.0	.5
NEW HAMPSHIRE	3.6	3.7	2.8	2.8	.6	.6	3.3	3.7	1.8	2.1	.7	1.0
NEW JERSEY:												
Camden ⁷	2.5	2.9	1.5	1.9	.9	.8	3.1	2.4	.7	.7	1.8	.8
Hackensack	3.3	3.7	2.4	2.6	.8	1.0	3.6	4.1	1.5	1.4	1.1	1.7
Jersey City	3.5	2.7	1.9	2.0	1.5	.7	4.2	2.7	1.0	.9	1.7	1.1
New Brunswick—Perth Amboy—Sayreville	3.0	3.0	1.9	1.7	1.0	.9	3.4	2.5	1.1	.9	1.5	.7
Newark	2.6	2.6	1.7	1.9	.6	.6	2.4	2.8	.8	1.0	.9	.9
Paterson—Clifton—Passaic	3.6	3.8	2.2	2.5	1.2	1.2	3.1	2.9	1.0	1.1	1.0	.9
Trenton	2.4	4.2	1.5	1.8	.7	2.5	2.6	3.0	.7	.9	1.2	1.5
NEW MEXICO	4.0	4.5	3.4	3.8	.6	.5	4.0	3.5	1.7	1.9	1.2	.7
NEW YORK	3.3	3.4	1.8	2.0	1.3	1.2	3.0	2.8	.9	.9	1.4	1.1
Albany—Schenectady—Troy	2.3	2.7	.9	1.0	.8	1.2	2.4	2.3	.5	.5	1.0	.9
Binghamton	2.1	2.6	1.3	1.8	.7	.6	2.2	2.0	.6	.7	.9	.5
Buffalo	2.2	3.3	.6	.6	1.3	2.4	2.7	1.9	.4	.4	1.7	1.0
Elmira	1.6	1.9	.7	1.0	.6	.6	2.9	2.7	.4	.6	1.5	1.3
Monroe County ⁷	1.5	1.7	1.2	1.4	.1	.2	1.7	1.2	.5	.5	.3	.3
Nassau—Suffolk ⁸	3.4	3.5	2.9	2.9	.4	.6	3.2	3.2	1.5	1.8	1.0	.6
New York and Nassau—Suffolk	4.3	4.1	2.6	2.8	1.6	1.2	3.4	3.3	1.2	1.3	1.5	1.2
New York SMSA ⁸	4.6	4.3	2.6	2.8	1.9	1.4	3.4	3.4	1.1	1.1	1.6	1.4
New York City ⁹	5.0	4.6	2.7	2.9	2.1	1.5	3.6	3.6	1.1	1.2	1.7	1.6
Rochester	1.7	2.0	1.2	1.5	.3	.5	2.1	1.5	.5	.6	.7	.5
Syracuse	2.1	2.9	1.0	1.6	.9	1.0	2.7	2.0	.7	.7	1.2	.7
Utica—Rome	2.5	2.7	1.4	1.6	1.0	.9	2.3	2.9	.9	.8	.7	1.4
Westchester County ⁹	2.6	2.5	1.9	1.9	.6	.4	2.5	1.9	.8	.9	1.1	.6
NORTH CAROLINA	2.8	3.2	2.2	2.6	.4	.4	2.9	3.0	1.6	1.8	.6	.4
Charlotte—Gastonia	3.3	4.1	2.9	3.6	.3	.3	3.6	4.8	2.4	2.6	.3	1.0
Greensboro—Winston-Salem—High Point	2.6	2.9	2.1	2.4	.3	.3	2.6	2.8	1.5	1.7	.4	.4
NORTH DAKOTA	3.7	8.3	2.1	2.3	1.3	5.8	2.6	9.6	1.2	2.1	.8	5.6
Fargo—Moorhead	4.4	7.1	3.4	3.4	.5	3.2	6.6	9.6	1.3	1.0	3.4	5.8
OHIO	2.4	3.1	.7	.9	(*)	(*)	2.6	2.3	.4	.5	1.3	1.2
Akron	1.9	2.3	.8	.4	(*)	(*)	1.2	1.6	.2	.4	.5	.6
Canton	2.5	3.0	.4	1.4	(*)	(*)	2.6	2.5	.4	.4	1.2	1.4
Cincinnati	1.7	1.5	.8	.8	(*)	(*)	2.1	1.4	.4	.4	.9	.4
Cleveland	2.2	2.5	.8	.9	(*)	(*)	2.7	2.4	.5	.6	1.3	1.1
Columbus	1.7	2.7	.8	1.2	(*)	(*)	2.6	2.7	.5	.6	1.5	1.6
Dayton	2.3	2.0	.9	.8	(*)	(*)	2.1	1.8	.6	.4	.8	.7
Toledo	3.0	3.8	.7	1.0	(*)	(*)	3.0	2.6	.2	.4	1.7	1.4
Youngstown—Warren	2.0	7.0	.2	.4	(*)	(*)	4.0	2.3	.2	.3	2.9	1.0
OKLAHOMA	4.6	5.5	3.9	4.9	.5	.4	4.1	4.6	2.8	3.3	.5	.4
Oklahoma City	4.3	5.1	3.6	4.6	.5	.4	3.8	4.2	2.5	2.9	.6	.4
Tulsa ¹⁰	3.9	5.3	3.5	4.8	.3	.4	3.5	4.0	2.3	2.8	.3	.2
OREGON ⁴	3.4	4.1	1.6	2.1	1.7	1.8	3.9	3.8	1.0	.9	2.4	2.1
Eugene—Springfield ⁴	1.7	2.5	1.0	1.3	.6	.9	2.6	3.2	.7	.8	1.2	1.9
Portland ⁴	3.6	4.0	1.9	2.3	1.6	1.6	3.9	3.3	1.0	.9	2.3	1.7

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	
	Feb. 1981	Mar. 1981 ^p	Feb. 1981	Mar. 1981 ^p	Feb. 1981	Mar. 1981 ^p	Feb. 1981	Mar. 1981 ^p	Feb. 1981	Mar. 1981 ^p	Feb. 1981	Mar. 1981 ^p
PENNSYLVANIA	2.8	3.0	1.2	1.3	1.4	1.5	2.9	2.9	0.6	0.7	1.6	1.5
Allentown—Bethlehem—Easton	2.5	2.6	1.1	1.4	1.3	1.0	2.6	2.5	.8	.8	1.3	1.1
Altoona	4.8	3.5	.5	1.0	4.1	2.5	3.3	1.2	.4	.5	2.4	.5
Erie	2.0	3.2	1.0	1.5	.8	1.4	2.4	2.1	.6	.8	1.2	.5
Harrisburg	2.4	3.1	1.4	1.6	.6	1.0	2.6	2.8	.8	1.0	1.3	1.2
Johnstown	2.6	2.2	.8	.5	1.7	1.7	3.0	2.8	.4	.3	1.9	1.9
Lancaster	2.3	2.7	1.5	1.8	.6	.7	2.2	2.1	.9	1.0	.9	.5
Northeast Pennsylvania	3.2	3.2	1.3	1.5	1.6	1.4	3.6	2.9	.9	.8	2.3	1.6
Philadelphia SMSA	2.5	2.7	1.4	1.5	1.0	1.0	2.6	2.7	.7	.8	1.3	1.3
Pittsburgh	2.7	2.1	.7	.6	1.6	1.2	2.5	2.7	.3	.3	1.2	1.4
Reading	2.2	3.0	1.4	1.7	.8	1.2	2.7	3.3	.8	.9	1.3	1.8
Scranton ¹¹	2.7	2.4	1.5	1.8	1.1	.6	3.1	3.0	1.1	.9	1.6	1.8
Wilkes-Barre—Hazleton ¹¹	3.8	3.8	1.3	1.3	2.2	2.1	4.1	2.8	.8	.8	2.8	1.5
Williamsport	1.4	1.8	.6	.6	.7	1.1	1.4	1.4	.3	.3	.7	.6
York	2.4	3.3	1.4	1.9	.9	1.3	3.1	2.6	.7	1.0	1.9	1.0
RHODE ISLAND	3.7	3.2	2.2	2.2	1.3	.9	3.3	3.6	1.3	1.4	1.2	1.5
Providence—Warwick—Pawtucket	3.6	3.3	2.1	2.3	1.3	.8	3.2	3.6	1.3	1.4	1.2	1.4
SOUTH CAROLINA	2.7	3.1	1.8	2.0	.7	.8	2.7	3.3	1.2	1.5	.7	.9
Charleston—North Charleston	3.6	4.7	2.4	4.0	1.0	.5	2.6	3.4	1.2	1.6	.4	.6
Columbia	2.8	3.0	2.0	1.7	.6	1.2	2.4	2.6	1.4	1.5	.4	.5
Greenville—Spartanburg	2.6	3.6	1.9	2.4	.5	.9	3.3	3.7	1.4	1.8	1.1	.8
SOUTH DAKOTA	2.0	2.7	1.1	1.5	.8	1.0	2.2	2.3	.9	1.3	.8	.7
Sioux Falls	1.6	2.1	.6	.8	1.0	1.1	1.7	2.7	.6	.7	1.1	1.9
TENNESSEE:												
Memphis	2.6	2.5	1.2	1.3	1.2	.9	2.5	1.6	.8	.7	.9	.4
TEXAS:												
Dallas—Fort Worth	3.9	4.4	3.3	3.8	.4	.2	3.3	4.2	2.3	3.0	.3	.3
Houston	3.8	4.1	3.5	3.9	.2	.2	3.3	3.5	2.3	2.6	.3	.1
San Antonio	4.9	5.4	4.4	4.9	.4	.3	4.1	4.4	2.7	3.1	.4	.1
UTAH³	3.0	3.4	2.6	2.7	.3	.6	3.5	2.9	1.4	1.8	1.0	.4
Salt Lake City—Ogden ³	2.8	3.6	2.5	2.9	.2	.5	3.7	3.1	1.7	1.9	1.1	.3
VERMONT	2.7	2.8	1.9	2.1	.6	.5	2.3	2.7	1.0	1.0	.8	1.2
Burlington	2.2	3.0	1.7	2.4	.1	.4	1.9	1.4	.5	.5	1.0	.6
Springfield	1.2	1.7	1.0	1.4	.2	.1	1.0	6.2	.6	.6	(¹²)	5.0
VIRGINIA	2.3	2.6	1.6	1.6	.5	.7	2.5	2.7	1.0	1.1	.8	.9
Richmond	2.1	2.5	1.4	1.7	.2	.1	1.9	1.9	.6	.7	.3	.3
WASHINGTON:												
Seattle—Everett ¹³	2.0	2.0	1.2	1.3	.7	.7	2.2	2.5	.7	.9	.9	1.1
WEST VIRGINIA	2.1	2.1	.9	1.1	1.1	.8	1.6	3.0	.5	.6	.7	1.8
WISCONSIN	2.4	2.7	.9	1.1	1.2	1.2	2.4	4.2	.5	.6	1.2	2.9
Milwaukee	2.1	2.5	.8	1.0	.9	1.0	2.5	3.3	.4	.5	1.2	.9
WYOMING	5.2	4.6	4.3	3.7	.8	.9	13.6	4.4	3.2	2.5	9.2	.8

¹ Excludes agricultural chemicals, and miscellaneous manufacturing.

² Excludes canned fruits, vegetables, preserves, jams, and jellies.

³ Excludes canning and preserving, and sugar.

⁴ Excludes canning and preserving.

⁵ Excludes canning and preserving, and newspapers.

⁶ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

⁷ Subarea of Rochester Standard Metropolitan Statistical Area.

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

⁹ Subarea of New York Standard Metropolitan Statistical Area.

¹⁰ Excludes new-hire rate for transportation equipment.

¹¹ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.

¹² Less than 0.05.

¹³ Excludes canning and preserving, printing and publishing.

^ppreliminary.

* 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		
	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P
ALABAMA	1,627.8	1,638.2	1,640.4	124.2	151.8	137.7	7.6	9.3	8.4
Birmingham	375.2	376.8	376.5	26.9	34.2	31.7	7.2	9.1	8.4
Huntsville	135.4	136.2	137.0	11.0	14.0	11.9	8.1	10.3	8.7
Mobile	181.8	183.0	183.7	12.4	14.1	14.0	6.8	7.7	7.6
Montgomery	119.4	119.1	119.2	7.0	8.6	8.2	5.9	7.2	6.9
Tuscaloosa	52.0	52.7	52.8	3.7	4.5	4.6	7.1	8.6	8.8
ALASKA	186.8	185.0	187.5	20.7	19.4	16.9	11.1	10.5	9.0
ARIZONA	1,129.9	1,133.3	1,129.6	70.6	70.7	63.5	6.2	6.2	5.6
Phoenix	688.6	690.2	689.0	38.4	36.4	31.6	5.6	5.3	4.6
Tucson	204.8	208.3	207.0	11.0	11.2	9.7	5.3	5.4	4.7
ARKANSAS	968.4	965.0	970.8	70.0	85.6	73.3	7.2	8.9	7.6
Fayetteville-Springdale	N.A.	76.3	76.7	N.A.	4.2	3.5	N.A.	5.4	4.6
Fort Smith ¹	N.A.	82.8	82.8	N.A.	7.2	6.3	N.A.	8.8	7.5
Little Rock—North Little Rock	N.A.	185.6	187.0	N.A.	12.9	11.6	N.A.	6.9	6.2
Pine Bluff	N.A.	39.0	39.3	N.A.	3.6	3.4	N.A.	9.3	8.6
CALIFORNIA²	11,107.0	11,310.6	11,358.5	778.0	840.4	812.7	7.0	7.4	7.2
Anaheim—Santa Ana—Garden Grove	1,080.1	1,138.2	1,140.7	46.5	49.8	47.0	4.3	4.4	4.1
Bakersfield	176.7	187.7	188.9	16.5	18.8	16.4	9.3	10.0	8.7
Fresno	257.6	263.0	266.6	27.5	31.5	28.7	10.7	12.0	10.8
Los Angeles—Long Beach ³	3,596.0	3,490.0	3,532.0	223.0	240.0	243.0	6.2	6.9	6.9
Modesto	124.1	128.5	128.6	19.8	21.1	20.9	15.9	16.4	16.2
Oxnard—Simi Valley—Ventura	230.3	239.1	241.1	15.4	17.6	16.2	6.7	7.3	6.7
Riverside—San Bernardino—Ontario	575.6	598.9	596.6	42.4	48.2	46.6	7.4	8.0	7.8
Sacramento	462.5	482.7	482.8	40.0	42.8	40.0	8.6	8.9	8.3
Salinas—Seaside—Monterey	126.9	130.8	134.4	13.3	14.7	13.0	10.4	11.2	9.7
San Diego	747.0	782.1	777.1	50.9	53.7	49.9	6.8	6.9	6.4
San Francisco—Oakland	1,593.9	1,658.8	1,654.4	87.2	92.5	90.6	5.5	5.6	5.5
San Jose	728.4	767.8	767.9	39.4	43.5	45.1	5.4	5.7	5.9
Santa Barbara—Santa Maria—Lompoc	144.2	149.9	150.4	8.5	8.8	8.2	5.9	5.9	5.4
Santa Rosa	130.2	135.2	134.4	10.6	11.5	10.8	8.2	8.5	8.1
Stockton	155.3	160.7	162.1	19.1	22.0	20.2	12.3	13.7	12.5
Vallejo—Fairfield—Napa	124.3	130.9	131.1	10.3	10.5	9.7	8.3	8.0	7.4
COLORADO	1,458.3	1,451.2	1,450.0	80.9	81.5	75.3	5.5	5.6	5.2
Denver—Boulder	863.9	862.7	860.0	43.3	43.2	39.5	5.0	5.0	4.6
CONNECTICUT	1,611.4	1,589.7	1,587.0	89.2	97.8	92.4	5.5	6.2	5.8
Bridgeport	197.2	192.8	193.6	10.8	11.0	11.6	5.5	5.7	6.0
Hartford	386.8	386.0	384.5	17.8	21.5	19.1	4.6	5.6	5.0
New Britain	78.3	77.0	77.2	4.1	4.7	4.8	5.2	6.1	6.3
New Haven—West Haven	206.5	202.4	201.0	12.7	13.7	12.8	6.2	6.8	6.4
Stamford	120.7	119.3	120.0	5.1	4.6	4.5	4.3	3.9	3.7
Waterbury	112.3	107.4	107.1	8.0	8.4	8.4	7.1	7.9	7.8
DELAWARE	276.2	281.1	281.8	22.5	23.2	20.2	8.1	8.3	7.2
Wilmington ¹	247.4	250.8	249.8	20.2	19.8	17.4	8.2	7.9	7.0
DISTRICT OF COLUMBIA	314.8	305.0	302.3	21.8	27.3	25.3	6.9	9.0	8.4
Washington SMSA ¹	1,622.4	1,626.4	1,632.4	67.3	73.9	71.0	4.1	4.5	4.3
FLORIDA²	3,923.0	4,020.6	4,018.2	192.0	259.2	218.1	4.9	6.4	5.4
Bradenton	57.2	56.7	56.1	2.3	3.6	2.9	4.0	6.4	5.2
Daytona Beach	95.3	98.4	97.8	4.8	6.6	5.4	5.1	6.8	5.5
Fort Lauderdale—Hollywood	426.2	432.8	430.5	17.4	21.7	19.2	4.1	5.0	4.5
Fort Myers—Cape Coral	79.1	80.9	80.7	3.6	5.2	4.1	4.6	6.4	5.0
Gainesville	68.6	68.9	69.5	2.7	2.9	2.6	3.9	4.3	3.7
Jacksonville	295.2	303.4	305.6	14.0	19.0	17.1	4.7	6.2	5.6
Lakeland—Winter Haven	124.7	130.3	127.8	7.4	11.5	10.2	5.9	8.8	7.9
Melbourne—Titusville—Cocoa	106.4	107.8	107.2	6.6	8.7	7.6	6.2	8.1	7.1
Miami	721.5	733.8	731.8	36.0	49.3	38.5	5.0	6.7	5.3
Orlando	314.3	324.0	326.5	14.2	20.3	17.2	4.5	6.3	5.3
Panama City	36.9	37.2	37.1	2.7	3.9	3.1	7.4	10.4	8.4
Pensacola	106.3	109.7	110.1	5.2	6.1	5.5	4.9	5.5	5.0
Sarasota	69.8	71.9	72.2	3.0	3.6	2.9	4.3	5.0	4.0
Tallahassee	76.6	77.4	78.3	2.7	3.1	3.0	3.6	4.0	3.8
Tampa—St. Petersburg	603.3	618.3	618.3	28.3	36.9	31.1	4.7	6.0	5.0
West Palm Beach—Boca Raton	230.9	243.2	243.0	10.4	13.8	13.3	4.5	5.7	5.5

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		
	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P
GEORGIA	2,369.3	2,397.1	2,408.2	144.3	137.6	128.8	6.1	5.7	5.3
Albany	48.0	49.6	49.7	3.3	3.6	3.4	6.9	7.3	6.8
Atlanta	965.8	978.3	985.1	51.2	47.6	45.9	5.3	4.9	4.7
Augusta	122.0	123.8	124.2	7.1	8.2	7.4	5.8	6.6	6.0
Columbus ¹	82.9	81.6	82.4	5.9	6.0	6.0	7.1	7.3	7.3
Macon	97.2	97.9	98.1	5.3	5.6	5.0	5.5	5.8	5.1
Savannah	87.1	87.7	88.3	5.5	5.1	4.8	6.3	5.9	5.4
HAWAII	401.3	405.4	405.5	18.3	21.5	21.1	4.6	5.3	5.2
Honolulu	315.5	318.7	318.4	13.9	15.8	15.3	4.4	5.0	4.8
IDAHO	419.4	418.5	422.9	35.9	35.0	31.2	8.6	8.4	7.4
Boise City	88.7	91.3	91.2	5.7	6.2	5.4	6.4	6.8	5.9
ILLINOIS ²	5,373.0	5,447.3	5,468.5	388.0	509.5	447.0	7.2	9.4	8.2
Bloomington—Normal	60.3	61.0	61.8	3.2	4.3	3.7	5.3	7.0	5.9
Champaign—Urbana—Rantoul	84.8	84.2	85.0	4.3	5.5	4.6	5.1	6.5	5.4
Chicago	3,371.8	3,403.0	3,408.9	227.8	296.4	266.9	6.8	8.7	7.8
Davenport—Rock Island—Moline ¹	185.0	184.9	185.7	10.9	14.0	12.7	5.9	7.6	6.8
Decatur	58.5	60.5	60.8	6.1	7.1	6.8	10.4	11.8	11.2
Kankakee	41.0	40.4	40.1	4.0	5.1	4.5	9.7	12.6	11.1
Peoria	171.0	172.4	171.5	12.2	18.7	14.5	7.1	10.9	8.4
Rockford	131.6	132.7	132.2	9.8	14.9	12.3	7.5	11.2	9.3
Springfield	94.3	95.0	95.3	6.7	6.8	6.0	7.1	7.2	6.3
INDIANA	2,616.4	2,566.9	2,572.6	235.8	239.9	226.7	9.0	9.3	8.8
Anderson	60.0	55.6	55.4	9.6	6.4	5.5	16.1	11.5	9.9
Elkhart	69.0	66.1	65.5	7.5	6.3	5.1	10.8	9.5	7.8
Evansville ¹	145.2	N.A.	N.A.	9.8	N.A.	N.A.	6.7	N.A.	N.A.
Fort Wayne	194.4	189.8	190.3	18.1	18.9	17.7	9.3	10.0	9.3
Gary—Hammond—East Chicago	296.5	290.7	289.3	27.9	29.8	28.2	9.4	10.3	9.8
Indianapolis	596.2	596.3	597.7	41.8	43.9	41.8	7.0	7.4	7.0
Lafayette—West Lafayette	62.6	62.5	62.7	3.9	4.1	3.5	6.2	6.5	5.7
Muncie	57.6	57.1	57.2	5.6	6.2	6.0	9.7	10.8	10.4
South Bend	141.6	136.2	135.0	12.8	12.5	11.9	9.0	9.2	8.8
Terre Haute	83.1	80.1	80.5	6.0	7.7	7.8	7.3	9.6	9.7
IOWA	1,460.9	1,420.3	1,447.9	75.1	90.6	79.4	5.1	6.4	5.5
Cedar Rapids	91.4	88.9	89.3	4.7	6.7	6.0	5.2	7.5	6.7
Des Moines	186.0	186.5	186.5	9.0	10.8	10.4	4.8	5.8	5.6
Dubuque	46.9	45.7	45.8	2.8	4.9	4.3	6.0	10.7	9.5
Sioux City ¹	54.8	53.1	53.7	3.5	3.5	3.2	6.4	6.7	6.0
Waterloo—Cedar Falls	71.1	69.3	69.8	3.6	4.7	4.4	5.0	6.8	6.3
KANSAS	1,196.0	1,197.3	1,210.3	53.4	50.1	47.1	4.5	4.2	3.9
Lawrence	35.6	36.0	36.1	1.4	1.6	1.4	4.0	4.3	3.8
Topeka	96.2	96.4	96.9	4.7	5.1	4.7	4.9	5.3	4.8
Wichita	228.5	230.4	231.6	10.4	9.1	8.9	4.6	3.9	3.9
KENTUCKY	1,612.8	1,625.4	1,607.4	122.4	148.7	125.4	7.6	9.1	7.8
Lexington—Fayette	173.5	172.7	173.1	7.5	10.1	8.0	4.3	5.8	4.6
Louisville ¹	427.4	429.7	428.1	31.2	36.5	31.1	7.3	8.5	7.3
Owensboro	42.3	42.4	42.4	3.2	3.3	2.8	7.6	7.8	6.5
LOUISIANA	1,691.8	1,769.6	1,768.6	105.8	129.3	124.0	6.3	7.3	7.0
Alexandria	66.8	70.0	69.7	5.5	7.2	6.6	8.2	10.3	9.5
Baton Rouge	214.4	227.2	226.3	14.1	18.2	18.3	6.6	8.0	8.1
Lafayette	76.2	84.5	85.6	2.8	3.0	2.9	3.7	3.6	3.4
Lake Charles	72.9	74.7	75.1	4.4	5.5	5.5	6.0	7.4	7.3
Monroe	52.6	55.0	54.2	4.0	5.0	4.4	7.5	9.2	8.2
New Orleans	471.5	482.8	479.7	24.5	31.3	30.5	5.2	6.5	6.3
Shreveport	152.4	158.4	157.8	9.7	11.3	10.6	6.4	7.1	6.7
MAINE	491.0	487.1	492.0	40.5	42.7	39.5	8.2	8.8	8.0
Lewiston—Auburn	38.6	38.4	38.3	2.8	3.6	2.9	7.3	9.4	7.6
Portland	88.8	90.3	90.9	5.0	6.1	5.8	5.6	6.8	6.3
MARYLAND	2,132.1	2,112.3	2,126.0	128.8	145.8	136.5	6.0	6.9	6.4
Baltimore	1,061.6	1,049.2	1,049.8	70.7	82.1	76.3	6.7	7.8	7.3

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		
	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P
MASSACHUSETTS²	2,831.0	2,942.4	2,875.8	141.0	183.1	149.7	5.0	6.2	5.2
Boston	1,381.3	1,445.9	1,418.2	60.7	77.7	64.4	4.4	5.4	4.5
Brockton	80.2	81.5	79.7	4.9	6.3	5.3	6.1	7.7	6.6
Fall River ¹	71.4	74.0	71.7	5.0	6.5	5.1	7.0	8.8	7.1
Lawrence—Haverhill ¹	138.9	145.0	141.4	7.3	8.2	7.0	5.3	5.7	4.9
Lowell	118.8	122.7	119.9	5.5	7.7	6.1	4.6	6.3	5.1
New Bedford	80.0	83.2	80.9	5.8	7.8	6.2	7.2	9.4	7.6
Springfield—Chicopee—Holyoke	268.0	275.9	269.6	13.2	17.3	14.3	4.9	6.3	5.3
Worcester	194.4	197.7	194.0	8.8	11.0	9.7	4.5	5.6	5.0
MICHIGAN²	4,232.0	4,258.4	4,327.1	522.0	563.6	528.1	12.3	13.2	12.2
Ann Arbor	144.8	144.6	147.6	11.3	11.9	11.5	7.8	8.2	7.8
Battle Creek	79.2	79.1	80.0	9.1	9.8	8.7	11.5	12.4	10.8
Bay City	52.8	52.4	53.2	8.0	7.8	7.0	15.1	14.9	13.1
Detroit	1,987.2	1,998.7	2,034.1	255.3	267.3	260.1	12.8	13.4	12.8
Flint	225.8	233.1	231.3	39.1	38.6	31.0	17.3	16.5	13.4
Grand Rapids	308.6	315.1	322.1	24.4	29.2	27.5	7.9	9.3	8.5
Jackson	65.1	65.6	66.5	6.7	8.0	7.6	10.3	12.2	11.4
Kalamazoo—Portage	134.3	133.4	135.7	10.6	13.0	11.8	7.9	9.7	8.7
Lansing—East Lansing	234.8	239.4	245.1	23.4	27.8	25.9	10.0	11.6	10.6
Muskegon—Norton Shores—Muskegon Heights	76.2	77.4	78.4	9.5	11.5	10.8	12.5	14.9	13.8
Saginaw	100.2	100.0	102.1	14.6	11.8	11.3	14.6	11.8	11.1
MINNESOTA	2,123.5	2,122.8	2,168.7	126.6	131.9	113.8	6.0	6.2	5.2
Duluth—Superior ¹	118.2	114.0	115.0	10.7	10.0	9.1	9.0	8.7	8.0
Minneapolis—St. Paul	1,120.9	1,153.7	1,168.4	48.2	54.6	48.4	4.3	4.7	4.1
Rochester	54.7	56.0	56.6	2.6	2.6	2.3	4.8	4.7	4.0
St. Cloud	73.8	74.7	75.5	5.6	6.1	5.0	7.6	8.2	6.6
MISSISSIPPI	1,018.3	1,022.2	1,017.6	67.1	88.0	76.9	6.6	8.6	7.6
Jackson	152.1	151.9	152.4	6.6	9.0	8.8	4.3	6.0	5.8
MISSOURI	2,293.6	2,308.9	2,344.4	148.2	176.6	156.7	6.5	7.6	6.7
Kansas City ¹	686.3	686.9	696.6	42.5	42.3	38.6	6.2	6.2	5.5
St. Joseph	44.5	46.3	46.3	3.1	3.9	3.6	7.0	8.5	7.8
St. Louis ¹	1,082.8	1,101.0	1,109.9	79.4	97.1	85.7	7.3	8.8	7.7
Springfield	104.0	105.8	107.7	5.2	6.5	6.3	5.0	6.1	5.9
MONTANA	370.7	371.3	382.8	23.5	25.6	23.5	6.4	6.9	6.1
Billings	55.5	57.6	58.2	2.5	3.0	2.6	4.4	5.2	4.4
Great Falls	33.5	34.7	35.5	2.1	2.6	2.6	6.3	7.6	7.3
NEBRASKA	780.1	777.7	792.2	29.4	37.3	29.8	3.8	4.8	3.8
Lincoln	110.7	110.5	112.2	3.6	5.1	4.1	3.3	4.6	3.6
Omaha ¹	282.7	282.5	283.3	15.0	17.4	15.1	5.3	6.2	5.3
NEVADA	369.6	387.8	389.7	20.9	27.5	25.6	5.7	7.1	6.6
Las Vegas	204.7	215.0	215.2	12.9	17.4	16.4	6.3	8.1	7.6
Reno	105.3	108.6	109.3	4.6	5.9	5.3	4.4	5.4	4.8
NEW HAMPSHIRE	453.5	459.6	461.2	22.0	22.6	20.6	4.9	4.9	4.5
Manchester	80.8	81.3	82.0	4.1	4.4	4.2	5.1	5.4	5.1
Nashua	76.1	78.4	79.0	3.2	3.4	3.3	4.2	4.4	4.2
NEW JERSEY²	3,513.0	3,584.7	3,561.4	226.0	307.7	267.5	6.4	8.6	7.5
Atlantic City	99.9	111.9	112.1	8.5	10.8	8.9	8.5	9.7	8.0
Jersey City	242.8	244.7	240.2	22.7	31.3	28.6	9.4	12.8	11.9
Long Branch—Asbury Park	224.7	239.8	240.0	15.0	20.4	17.6	6.7	8.5	7.3
New Brunswick—Perth Amboy—Sayreville	320.3	328.1	326.2	16.6	22.2	20.9	5.2	6.8	6.4
Newark	961.9	981.3	975.0	60.1	80.3	70.2	6.2	8.2	7.2
Paterson—Clifton—Passaic	210.3	213.6	210.6	17.9	22.5	19.1	8.5	10.5	9.1
Trenton	160.8	163.3	161.9	8.9	10.8	8.7	5.5	6.6	5.4
Vineland—Millville—Bridgeton	58.7	59.5	58.6	5.8	8.7	7.9	9.9	14.7	13.4
NEW MEXICO	536.5	548.5	550.9	37.4	45.7	40.6	7.0	8.3	7.4
Albuquerque	200.8	205.4	N.A.	13.9	17.1	N.A.	6.9	8.3	N.A.

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		
	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P
NEW YORK²	7,815.0	8,015.1	8,026.4	545.0	678.2	635.7	7.0	8.5	7.9
Albany—Schenectady—Troy	375.2	386.5	385.5	20.9	25.4	24.5	5.6	6.6	6.4
Binghamton ¹	138.5	142.9	142.3	8.3	10.0	9.6	6.0	7.0	6.8
Buffalo	565.9	580.4	579.3	53.9	55.4	53.7	9.5	9.6	9.3
Elmira	39.4	40.9	40.5	3.2	3.6	3.1	8.1	8.7	7.7
Nassau-Suffolk	1,292.7	1,327.6	1,332.5	72.4	78.1	80.1	5.6	5.9	6.0
New York	3,518.8	3,595.1	3,612.1	245.0	344.5	314.4	7.0	9.6	8.7
New York City ²	2,919.0	2,974.0	2,992.0	218.0	313.0	284.0	7.5	10.5	9.5
Poughkeepsie	106.9	110.5	110.1	5.5	7.0	6.5	5.1	6.4	5.9
Rochester	462.0	478.4	476.3	27.5	29.8	28.1	5.9	6.2	5.9
Syracuse	300.8	306.8	305.6	22.9	23.4	21.6	7.6	7.6	7.1
Utica—Rome	134.0	139.0	138.6	9.2	11.8	11.7	6.8	8.5	8.5
NORTH CAROLINA	2,707.9	2,726.8	2,739.8	154.7	187.8	164.9	5.7	6.9	6.0
Asheville	81.9	81.6	82.0	4.1	6.3	5.8	5.0	7.8	7.1
Charlotte—Gastonia	346.8	347.0	348.0	14.5	16.6	15.6	4.2	4.8	4.5
Greensboro—Winston-Salem—High Point	414.2	415.9	418.8	21.4	22.8	21.5	5.2	5.5	5.1
Raleigh—Durham	290.3	290.7	291.6	11.1	13.0	11.9	3.8	4.5	4.1
NORTH DAKOTA	306.9	312.6	322.2	15.8	19.8	17.3	5.2	6.3	5.4
Fargo—Moorhead ¹	71.1	72.8	74.0	4.2	5.0	4.3	5.9	6.8	5.8
OHIO²	4,971.0	5,054.1	5,076.3	372.0	470.1	385.0	7.5	9.3	7.6
Akron	296.5	299.3	299.3	22.1	27.0	22.2	7.4	9.1	7.4
Canton	182.6	183.1	183.4	13.5	17.9	14.2	7.4	9.8	7.8
Cincinnati ¹	665.0	677.5	684.3	44.2	56.1	47.7	6.7	8.3	7.0
Cleveland	919.3	929.8	936.5	58.2	77.0	63.2	6.3	8.3	6.8
Columbus	541.8	562.0	566.5	26.4	41.1	34.1	4.9	7.3	6.0
Dayton	382.0	387.5	389.0	26.7	30.0	24.8	7.0	7.8	6.4
Toledo ¹	361.9	N.A.	N.A.	39.3	N.A.	N.A.	10.9	N.A.	N.A.
Youngstown—Warren	233.0	228.4	229.7	24.0	27.6	21.1	10.3	12.1	9.2
OKLAHOMA	1,318.1	1,370.5	1,377.0	65.8	54.6	45.9	5.0	4.0	3.3
Oklahoma City	400.8	424.7	428.2	19.0	15.2	12.4	4.8	3.6	2.9
Tulsa	321.6	338.3	339.1	14.7	12.7	10.9	4.6	3.8	3.2
OREGON	1,275.1	1,290.5	1,302.8	110.0	128.8	125.0	8.6	10.0	9.6
Eugene—Springfield	134.8	135.4	137.3	14.7	15.2	15.2	10.9	11.2	11.1
Portland ¹	628.7	634.1	639.0	36.5	48.3	47.5	5.8	7.6	7.4
Salem	120.3	119.1	120.5	10.3	10.6	10.9	8.5	8.9	9.0
PENNSYLVANIA²	5,301.0	5,419.9	5,344.1	381.0	426.5	369.5	7.2	7.9	6.9
Allentown—Bethlehem—Easton ¹	297.3	311.3	303.7	17.1	25.8	19.8	5.8	8.3	6.5
Altoona	59.2	57.8	56.8	5.0	6.8	5.6	8.4	11.8	9.9
Erie	126.2	125.9	123.5	10.4	11.9	10.7	8.2	9.5	8.6
Harrisburg	216.7	227.9	226.2	11.6	13.2	11.1	5.4	5.8	4.9
Johnstown	109.5	106.2	105.0	11.5	13.4	12.6	10.5	12.7	12.0
Lancaster	176.2	182.1	181.1	8.5	9.7	8.0	4.8	5.3	4.4
Northeast Pennsylvania	283.1	288.3	282.9	25.8	28.2	23.8	9.1	9.8	8.4
Philadelphia ¹	2,125.4	2,148.4	2,124.2	135.3	151.6	134.8	6.4	7.1	6.3
Pittsburgh	1,002.2	1,036.7	1,023.0	62.5	73.2	62.9	6.2	7.1	6.1
Reading	152.7	159.9	156.9	10.9	12.1	10.6	7.1	7.6	6.8
Williamsport	52.7	53.6	52.5	7.7	6.4	5.4	14.7	11.8	10.3
York	171.3	178.1	175.7	10.3	13.0	11.3	6.0	7.3	6.4
RHODE ISLAND	462.4	464.5	466.3	34.2	38.3	35.1	7.4	8.2	7.5
Providence—Warwick—Pawtucket ¹	458.8	460.6	459.3	34.2	37.6	34.6	7.5	8.2	7.5
SOUTH CAROLINA	1,298.1	1,316.8	1,322.1	73.9	104.5	91.1	5.7	7.9	6.9
Charleston—North Charleston	147.2	158.7	159.6	9.0	11.1	10.0	6.1	7.0	6.3
Columbia	173.8	176.9	176.7	6.5	10.1	8.8	3.8	5.7	5.0
Greenville—Spartanburg	260.5	264.1	264.1	11.5	18.2	16.0	4.4	6.9	6.1
SOUTH DAKOTA	339.6	328.4	336.5	16.7	18.2	15.0	4.9	5.5	4.5
Rapid City	41.9	41.6	40.9	2.5	2.7	1.8	5.9	6.4	4.5
Sioux Falls	63.4	63.3	64.1	3.2	3.6	3.4	5.1	5.6	5.2
TENNESSEE	2,010.2	1,985.2	1,987.2	128.3	167.2	148.0	6.4	8.4	7.4
Chattanooga ¹	189.6	186.8	186.8	11.2	14.9	13.7	5.9	8.0	7.3
Knoxville	209.2	213.0	213.1	10.2	14.6	13.4	4.9	6.8	6.3
Memphis ¹	N.A.	385.5	385.8	N.A.	27.5	25.0	N.A.	7.1	6.5
Nashville—Davidson	413.0	403.8	405.1	20.8	25.6	23.0	5.0	6.3	5.7

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		
	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P	APR. 1980	MAR. 1981	APR. 1981P
TEXAS¹	6,266.0	6,596.7	6,621.4	307.0	312.4	279.8	4.9	4.7	4.2
Amarillo.....	85.2	87.0	87.2	3.4	3.1	2.7	4.0	3.6	3.1
Austin.....	249.7	261.7	262.3	8.9	7.7	6.9	3.6	3.0	2.6
Beaumont—Port Arthur—Orange.....	165.1	169.4	171.6	11.3	10.0	11.4	6.9	5.9	6.6
Corpus Christi.....	141.2	144.4	145.9	7.9	7.7	6.7	5.6	5.4	4.6
Dallas—Fort Worth.....	1,482.1	1,585.2	1,594.5	60.5	64.8	59.2	4.1	4.1	3.7
El Paso.....	169.5	176.6	175.7	14.8	15.7	13.7	8.7	8.9	7.8
Galveston—Texas City.....	81.5	85.1	85.9	5.0	5.5	5.3	6.1	6.5	6.2
Houston.....	1,437.3	1,527.8	1,531.0	58.8	55.7	50.2	4.1	3.6	3.3
Lubbock.....	98.9	100.8	101.6	4.1	3.9	3.5	4.1	3.9	3.5
San Antonio.....	413.6	434.5	434.9	25.1	26.1	22.8	6.1	6.0	5.3
Waco.....	77.9	81.7	81.7	3.9	3.8	3.3	5.0	4.6	4.0
Wichita Falls.....	59.0	61.6	61.9	2.2	1.9	1.8	3.8	3.1	2.9
UTAH	599.2	603.9	603.9	35.4	43.7	37.8	5.9	7.2	6.3
Salt Lake City—Ogden.....	393.3	398.5	397.3	22.4	28.1	24.5	5.7	7.0	6.2
VERMONT	242.6	247.6	243.8	16.3	17.2	15.8	6.7	7.0	6.5
VIRGINIA	2,501.8	2,543.7	2,553.7	118.6	131.0	131.6	4.7	5.1	5.2
Lynchburg.....	75.9	76.7	77.0	3.3	3.5	3.7	4.4	4.6	4.8
Newport News—Hampton.....	162.8	169.7	172.4	7.9	8.7	8.5	4.8	5.1	4.9
Norfolk—Virginia Beach—Portsmouth ¹	323.3	329.1	331.1	18.7	17.9	18.5	5.8	5.4	5.6
Petersburg—Colonial Heights—Hopewell.....	60.0	59.4	59.4	3.2	3.8	3.7	5.3	6.4	6.2
Richmond.....	327.6	334.8	336.5	10.8	11.4	11.4	3.3	3.4	3.4
Roanoke.....	109.8	110.5	110.7	4.4	5.1	5.4	4.0	4.6	4.9
WASHINGTON	1,911.6	1,923.9	1,919.8	138.8	171.9	160.8	7.3	8.9	8.4
Seattle—Everett.....	839.3	849.1	843.1	46.9	62.0	58.2	5.6	7.3	6.9
Spokane.....	147.2	146.9	145.8	10.4	13.9	12.0	7.1	9.5	8.2
Tacoma.....	172.4	173.5	172.6	12.6	15.6	14.5	7.3	9.0	8.4
WEST VIRGINIA	768.6	758.2	764.0	70.3	85.6	94.2	9.1	11.3	12.3
Charleston.....	127.8	125.7	125.1	9.0	11.8	11.4	7.0	9.4	9.1
Huntington—Ashland ¹	124.2	N.A.	N.A.	11.1	N.A.	N.A.	8.9	N.A.	N.A.
Parkersburg—Marietta ¹	71.8	71.3	71.0	5.9	7.2	6.5	8.3	10.1	9.1
Wheeling ¹	82.4	80.6	81.5	7.6	8.4	8.2	9.2	10.4	10.1
WISCONSIN	2,390.6	2,385.0	2,400.9	168.5	213.1	170.2	7.0	8.9	7.1
Appleton—Oshkosh.....	150.0	147.5	148.3	9.8	12.8	10.7	6.5	8.7	7.2
Eau Claire.....	57.8	58.0	58.8	4.6	4.9	4.0	7.9	8.4	6.8
Green Bay.....	88.7	89.1	90.2	6.4	7.8	6.9	7.2	8.8	7.7
Janesville—Beloit.....	69.8	67.8	69.9	10.4	10.5	4.3	14.9	15.5	6.2
Kenosha.....	61.3	57.6	58.9	3.6	9.6	5.3	5.9	16.7	9.0
La Crosse.....	47.9	49.0	49.7	2.5	4.0	3.4	5.3	8.2	6.8
Madison.....	181.2	182.6	184.1	9.0	10.7	8.8	5.0	5.8	4.8
Milwaukee.....	724.6	728.4	729.3	41.4	55.4	48.6	5.7	7.6	6.7
Racine.....	87.9	88.8	88.0	6.0	9.4	7.5	6.8	10.6	8.6
WYOMING	220.0	225.1	232.4	8.3	12.3	11.3	3.8	5.5	4.8

¹ Includes interstate portion of area located in adjacent State.

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

becomes available. Data refer to place of residence.

p = preliminary.

N.A. = not available.

NOTE: Estimates for 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 59,000 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 in-

dustries 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 enumera-

tions 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 59,000 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 59,000 occupied units, there are 10,900 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.

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	56,500	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.

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 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 characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between two consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard errors, as described below, for levels, labor force participation rates, and percentages as pertaining to year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50 and for the 1956-66 period they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates of persons and families for use with the CPS earnings data.

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

Illustration. Assume that in a given month the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table D shows that the standard error on an estimate of 12,000,000 is about 150,000. The 68 percent confidence interval as shown by these data is from 11,850,000 to 12,150,000. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in the first column of table E the standard error on a month-to-month change of 400,000 when the monthly level is approximately 12,000,000 is about 111,000.

Standard errors for rates and percentages. The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends on both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are

not published when the monthly base is less than 75,000 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

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		
Employed	208	161
Unemployed	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

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-

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		
Part-time workers .....	.32	.40	salary workers .....	.13	.13
Unemployed 15 weeks and over .....	.06	.07	Construction .....	.59	.70
OCCUPATION			Manufacturing .....	.27	.30
White-collar workers .....	.12	.13	Durable goods .....	.37	.41
Professional and technical .....	.18	.20	Nondurable goods .....	.39	.45
Managers and administrators,			Transportation and public		
except farm .....	.20	.23	utilities .....	.38	.42
Sales workers .....	.36	.41	Wholesale and retail trade .....	.26	.29
Clerical workers .....	.23	.25	Finance and service industries .....	.17	.19
Blue-collar workers .....	.24	.26	Government workers .....	.20	.23
Craft and kindred workers .....	.33	.37	Agricultural wage and salary		
			workers	1.07	1.26

Table D. Standard errors for estimates of monthly level

(In thousands)

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

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

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

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

(In thousands)

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

¹ See footnote 1, table D.

² Part-time labor force for unemployment also includes persons

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

Table F. Standard errors for unemployment rates

Monthly base of unemployment rate (In thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.05	2.88	4.49	6.18	7.36	8.25	8.93	9.46	9.85	10.36
100	1.45	2.04	3.18	4.37	5.20	5.83	6.32	6.69	6.97	7.33
500 .....	.65	.91	1.42	1.96	2.33	2.61	2.82	2.99	3.12	3.28
1,000 .....	.46	.65	1.01	1.38	1.65	1.84	2.00	2.12	2.21	2.32
2,000 .....	.32	.46	.71	.98	1.17	1.31	1.42	1.50	1.56	1.64
4,000 .....	.23	.32	.50	.69	.83	.92	1.00	1.06	1.10	1.16
6,000 .....	.19	.26	.41	.57	.67	.75	.82	.86	.90	.94
10,000 .....	.15	.21	.32	.44	.52	.59	.63	.67	.70	.73
20,000 .....	.11	.15	.23	.31	.37	.41	.45	.47	.49	.51
60,000 .....	.06	.08	.12	.17	.20	.23	.25	.26	.27	.28
100,000 .....	.04	.06	.10	.13	.16	.18	.19	.20	.21	.22

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

Monthly base of unemployment rate (In thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.32	3.28	5.12	7.10	8.52	9.64	10.05	11.39	11.97	12.55
100	1.64	2.32	3.62	5.02	6.02	6.81	7.11	8.05	8.39	8.87
500 .....	.74	1.04	1.62	2.25	2.69	3.04	3.17	3.58	3.73	3.93
1,000 .....	.52	.73	1.15	1.59	1.90	2.15	2.24	2.52	2.62	2.74
2,000 .....	.37	.52	.81	1.12	1.34	1.51	1.57	1.76	1.83	1.89
4,000 .....	.26	.37	.57	.79	.94	1.06	1.10	1.22	1.26	1.26
6,000 .....	.21	.30	.47	.64	.76	.86	.89	.97	1.00	-
10,000 .....	.16	.13	.36	.49	.59	.65	.67	.72	-	-
20,000 .....	.11	.15	.24	.33	.39	.44	.48	.51	-	-
60,000 .....	.06	.09	.13	.18	.21	.22	.23	-	-	-
100,000 .....	.05	.07	.10	.13	.14	.14	-	-	-	-

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

Monthly base of percentages (In thousands)	Percentage of monthly level									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	30 or 70	35 or 65	50
50	2.03	2.85	4.44	6.12	7.28	8.15	8.83	9.34	9.72	10.19
100	1.43	2.02	3.14	4.32	5.15	5.77	6.24	6.61	6.88	7.21
500 .....	.64	.90	1.41	1.93	2.30	2.58	2.79	2.95	3.07	3.22
1,000 .....	.45	.64	.99	1.37	1.63	1.82	1.97	2.09	2.17	2.28
2,000 .....	.32	.45	.70	.97	1.15	1.29	1.40	1.48	1.54	1.61
4,000 .....	.23	.32	.50	.68	.81	.91	.99	1.04	1.09	1.14
6,000 .....	.19	.26	.41	.56	.66	.74	.81	.85	.89	.93
10,000 .....	.14	.20	.31	.43	.51	.58	.62	.66	.69	.73
20,000 .....	.10	.14	.22	.31	.36	.41	.44	.47	.49	.51
40,000 .....	.07	.10	.16	.22	.26	.29	.31	.33	.34	.36
60,000 .....	.06	.08	.13	.18	.21	.24	.25	.27	.28	.29
80,000 .....	.05	.07	.11	.15	.18	.20	.22	.23	.24	.25
100,000 .....	.05	.06	.10	.14	.16	.18	.20	.21	.22	.23
160,000 .....	.04	.05	.08	.11	.13	.14	.16	.17	.17	.18

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

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

Characteristic	Factor		Characteristic	Factor	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Agricultural employment:			Unemployment:		
Total or full-time labor force	1.25	1.05	Part-time labor force, duration of unemployment, left last job, reentering labor force.	1.01	1.21
Part-time labor force	1.25	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. An exception to the definitions below are the statistics on hours and earnings of Federal Government employees, reported in table C-3, which are for all Federal employees, both supervisory and nonsupervisory, for the entire calendar month. When the pay period reported is longer than 1 week, figures are reduced to a weekly basis.

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 non-

supervisory 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 Commis-

sion 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 computed by dividing the earnings averages for the current month by the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and then multiplying by 100. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in the purchasing power of the dollar since the base period (1967).

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 1967. 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 1979 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 1979 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

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 1979

Industry division	Benchmark, March 1979	Estimate, March 1979	Percent difference
Total	88,654	88,207	0.5
Mining	928	926	.2
Construction	4,093	4,226	-3.2
Manufacturing	20,972	20,887	.4
Transportation and public utilities	5,045	5,060	-.3
Wholesale and retail trade	19,809	19,690	.6
Finance, insurance, and real estate	4,876	4,870	.1
Services	16,829	16,749	.5
Government	16,102	15,799	1.9

since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percent of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by 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.

Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1979¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	166,200	34,701,000	39
Mining	2,200	366,000	39
Construction	16,300	736,000	18
Manufacturing	45,200	11,580,000	55
Transportation and public utilities:			
Railroad transportation (ICC)	40	489,000	91
Other transportation and public utilities	7,500	2,305,000	51
Wholesale and retail trade	41,800	3,408,000	17
Finance, insurance, and real estate	10,900	1,779,000	36
Services	24,500	3,257,000	19
Government:			
Federal ²	4,700	2,740,000	100
State and local	13,100	8,041,000	60

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 4,700 reports covering about 55 percent of employment in Federal establishments.

Table O. Approximate size and coverage of BLS labor turnover sample, March 1979

Industry	Employees	
	Number reported	Percent of total
Total	9,987,000	44
Manufacturing	9,093,000	43
Mining	194,000	21
Telephone communication	700,000	68

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 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 five 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.

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	1.1	.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 .....	.3	.1	.2
Wholesale .....	.9	.2	.3
Retail .....	.2	.2	.2
Finance, insurance, and real estate .....	.5	.2	.4
Services .....	.6	.4	.8
Government ³ .....	.5	-	-

¹ The average percent revision in employment for the following benchmarks: 1970, 1971, 1974, 1978, and 1979.

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.

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 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:

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

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

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

Table R. Errors of preliminary employment estimates

Category	Root-mean-square error of—	
	Monthly level	Month-to-month change
INDUSTRY DIVISIONS		
Total nonagricultural employment	69,000	63,000
Mining	5,000	5,000
Construction	21,000	19,000
Manufacturing	25,000	24,000
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	26,000
Finance, insurance, and real estate	7,000	6,000
Services	30,000	25,000
Government	43,000	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 1974 through March 1980. Detailed industry data are based on differences from August 1978 through June 1979.

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 compensation and gross national product supplied by the U.S. Department of Commerce and the Federal Reserve Board.

Definitions

Hours of wage and salary workers in nonagricultural establishments refer to hours paid for all employees—production workers, nonsupervisory workers, and salaried workers.

Output is the constant-dollar market value of final goods and services produced in a given period. Indexes of *output per hour* of labor input, or labor productivity, measure changes in the volume of goods and services produced per unit of labor.

Compensation per hour includes wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. The data also include an estimate of wages, salaries, and sup-

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

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

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

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

Notes on the data

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

Manufacturing data have been revised to reflect 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 other-

wise 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 1980. The ARIMA model options for projecting the data series for 1 year ahead have not been used in seasonally adjusting the establishment series.

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 1967 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 1967 base.

Seasonal factors were not computed for a number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. These unadjusted series are shown and used in the aggregation to broader level seasonally adjusted series.

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. 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 1980. Seasonal factors to be used for current adjustment appear in the July 1980 issue of *Employment and Earnings*.

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