

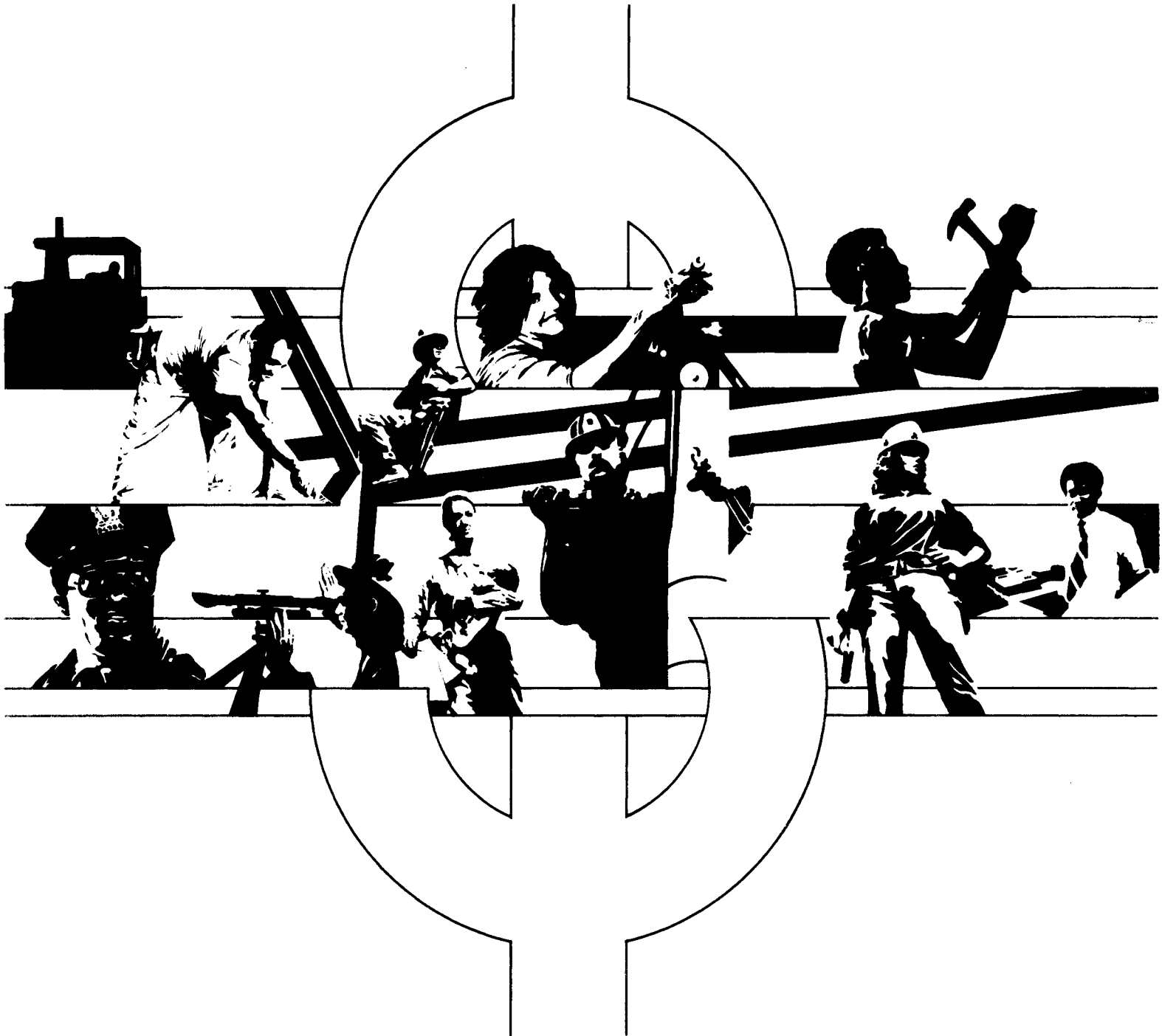
# Employment and Earnings

## May 1981



U.S. Department of Labor  
Bureau of Labor Statistics

In this issue:  
Annual averages for  
States and areas





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

BUREAU OF LABOR STATISTICS  
Janet L. Norwood, Commissioner

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## Calendar of Features

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

### Household data

Annual averages	Jan.
Revised seasonally adjusted series	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

National annual averages:	
Industry divisions (preliminary)	Jan.
Industry detail (final)	Mar.
Women employment detail (final)	Mar.
National data adjusted to new benchmarks	July <sup>1</sup>
Revised historical national data adjusted to new benchmarks	Supplement <sup>2</sup>
Revised seasonally adjusted series	July <sup>3</sup>
State and area annual averages	May
Area definitions	May

### State and area unemployment data

Annual averages	May <sup>4</sup>
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<sup>1</sup> The issue that introduces new benchmark varies. The July 1980 issue introduced March 1979 benchmarks.

<sup>2</sup> Month of publication of annual supplement varies. The latest supplement was published in September 1980.

<sup>3</sup> Issue varies. Latest revised data introduced July 1980.

<sup>4</sup> These data first introduced in the May 1981 issue.

# Employment and Earnings

Vol. 28 No. 5 May 1981

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

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# Employment and Unemployment Developments, April 1981

Unemployment remained unchanged in April, while for the second month in a row there were contrasting movements in the two major employment series. The Nation's unemployment rate was 7.3 percent, the same as it was in both February and March.

The series on total employment—derived from the monthly survey of households—showed an increase of 560,000 in April. In contrast, the series on nonfarm payroll employment—derived from the monthly survey of establishments—declined by 220,000 over the month, though most of this drop resulted from a strike in the mining industry.

## Unemployment

Unemployment declined in line with seasonal expectations in April, and, after adjustment for seasonality, both the number of unemployed workers, 7.7 million, and the unemployment rate, 7.3 percent, were unchanged from their March levels. Indeed, both have been relatively stable since December. In April, the overall jobless rate and the rates for most of the major worker groups were down somewhat from their 1980 highs but remained well above pre-recession levels. Unemployment rates for adult men (5.8 percent), adult women (6.6 percent), teenagers (19.1 percent), whites (6.5 percent), and black and other workers (13.2 percent) were all about unchanged from March to April. In contrast, joblessness among married men (3.8 percent), full-time workers (6.9 percent), Hispanics (9.1 percent), and workers in manufacturing (7.4 percent) were down over the month. The unemployment rate for factory workers has declined 2.4 percentage points since July. (See tables A-33 and A-36.)

The number of job losers (persons on layoff and those permanently separated from their jobs) was unchanged in April at 3.8 million and has hovered around that mark since the turn of the year. The number of unemployed persons who left their last job voluntarily and the number who became unemployed as a result of entry into the labor market have also been little changed since January. (See table A-39.)

Although the number of workers with very long-term unemployment (27 weeks or longer) declined in April, the average (mean) duration of unemployment was about unchanged, at 13.7 weeks. However, the median

duration of unemployment, which is little affected by changes in very long-term joblessness, increased 0.7 week to 7.7 weeks. (See table A-37.)

The number of involuntary part-time workers who usually work full time decreased by 120,000 in April. (See table A-42.) At 1.5 million, they totaled nearly half a million less than the 1980 high.

## Total employment and the labor force

Total employment grew by 560,000 over the month (after adjustment for seasonality) and numbered 99.0 million in April. As in March, adult men were the biggest job gainers, but there were also advances among adult women and teenagers. Since April 1980, total employment has advanced by 1.8 million, with over half of the increase attributable to adult women. Teenage employment declined by 240,000 over the year. (See table A-33.)

The civilian labor force rose by nearly 550,000 in April. Gains were registered by all three major worker groups. As in the case of employment, adult women have accounted for most of the labor force growth over the past year. The civilian labor force participation rate reached an all-time high of 64.3 percent in April.

## Industry payroll employment

Nonfarm payroll employment was 91.5 million in April, down 220,000 from March, after seasonal adjustment. Most of this decline, however, was accounted for by the coal miners' strike. (See table B-4.) Prior to March, total payroll employment had increased for 7 consecutive months.

Construction jobs declined by 80,000 in April but were still 100,000 above last July's recession low. Manufacturing employment edged up over the month. While the number of factory jobs has increased considerably since the July low, the April level was still below pre-recession levels. Industries showing improvement over the month included fabricated metals, electrical equipment, transportation equipment, and rubber and plastics products.

There was little employment change in the service-producing industries, as a large decline in retail trade was nearly offset by increases elsewhere in the sector, most notably in services. Since April 1980, jobs in the

service-producing industries have increased by 900,000.

### **Hours of work**

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls was unchanged from March at 35.3 hours. Hours in manufacturing were up a tenth of an hour to 40.1 hours, returning to the December level. Overtime in manufacturing, at 2.9 hours, was also up 0.1 hour. (See table C-7.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls fell 0.3 percent to 126.0 (1967 = 100) in April. The manufacturing index rose 0.6 percent over the month; it was 6.8 percent above last July's low. (See table C-8.)

### **Hourly and weekly earnings**

Both average hourly and weekly earnings of produc-

tion or nonsupervisory workers on private nonagricultural payrolls increased 0.3 percent over the month (seasonally adjusted). Before adjustment for seasonality, average hourly earnings edged up by 1 cent in April to \$7.11, 58 cents above the year-earlier level. Average weekly earnings were \$249.56, little different from March but \$21.01 higher than in April 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 269.2 (1967 = 100) in April, 0.3 percent higher than in March. The Index was 9.3 percent above April a year ago. In dollars of constant purchasing power, the Index decreased 1.0 percent during the 12-month period ended in March. (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	
<b>Annual averages</b>										
1947.....	103,418	60,941	58.9	59,350	57,048	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.....	105,697	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,708
1950.....	106,645	63,858	59.9	62,208	58,918	7,160	51,758	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,901	6,726	53,235	2,055	3.3	42,604
1952.....	108,323	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093
1953.....	110,603	66,560	60.2	63,015	61,179	6,260	54,913	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.....	113,308	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	59,123	2,859	4.3	45,336
1958.....	116,360	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	46,088
1959.....	117,879	70,721	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960
1960.....	119,758	72,142	60.2	69,623	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.....	122,940	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	74,172	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.....	137,640	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,597	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	55,666
1972.....	145,775	88,951	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973.....	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	84,188	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.....	161,358	102,537	63.7	100,420	94,373	3,342	91,031	6,047	6.0	58,521
1979.....	163,620	104,996	64.2	102,908	96,945	3,297	93,648	5,963	5.8	58,623
1980.....	166,246	106,821	64.3	104,719	97,270	3,310	93,960	7,448	7.1	59,425
<b>Monthly data, seasonally adjusted<sup>2</sup></b>										
<b>1980:</b>										
April....	165,693	106,519	64.3	104,427	97,225	3,262	93,963	7,202	6.9	59,174
May.....	165,886	107,148	64.6	105,060	97,116	3,352	93,764	7,944	7.6	58,739
June.....	166,105	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-	167,201	107,404	64.2	105,285	97,339	3,340	93,999	7,946	7.5	59,797
December-	167,396	107,191	64.0	105,067	97,282	3,394	93,888	7,785	7.4	60,205
<b>1981:</b>										
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

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

<sup>2</sup> 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 population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of popu- lation	Total	Employed			Unemployed		
					Total	Agri- culture	Nonagri- cultural indus- tries	Number	Percent of labor force	
<b>MALES</b>										
<b>Annual averages</b>										
1972 <sup>1</sup> .....	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973 <sup>1</sup> .....	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	14,904
1975.....	73,494	57,706	78.5	55,615	51,230	2,801	48,429	4,385	7.9	15,788
1976.....	74,739	58,397	78.1	56,359	52,391	2,716	49,675	3,968	7.0	16,341
1977.....	75,981	59,467	78.3	57,449	53,861	2,639	51,222	3,588	6.2	16,514
1978 <sup>1</sup> .....	77,169	60,535	78.4	58,542	55,491	2,681	52,810	3,051	5.2	16,634
1979.....	78,397	61,466	78.4	59,517	56,499	2,645	53,854	3,018	5.1	16,931
1980.....	79,642	62,088	78.0	60,145	55,988	2,664	53,324	4,157	6.9	17,554
<b>Monthly data, seasonally adjusted<sup>2</sup></b>										
<b>1980:</b>										
April....	79,382	61,983	78.1	60,048	56,054	2,623	53,431	3,994	6.7	17,399
May.....	79,472	62,388	78.5	60,457	55,914	2,669	53,245	4,543	7.5	17,084
June.....	79,575	62,028	77.9	60,093	55,597	2,605	52,992	4,496	7.5	17,548
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	60,388	55,897	2,691	53,206	4,491	7.4	17,749
December..	80,183	62,213	77.6	60,254	55,920	2,651	53,269	4,334	7.2	17,970
<b>1981:</b>										
January..	80,272	62,320	77.6	60,366	56,012	2,712	53,300	4,353	7.2	17,952
February..	80,346	62,288	77.5	60,338	56,045	2,586	53,459	4,293	7.1	18,058
March....	80,415	62,582	77.8	60,628	56,383	2,599	53,784	4,245	7.0	17,833
April....	80,492	62,848	78.1	60,893	56,688	2,785	53,903	4,205	6.9	17,644
<b>FEMALES</b>										
<b>Annual averages</b>										
1972 <sup>1</sup> .....	75,911	33,320	43.9	33,277	31,072	633	30,439	2,205	6.6	42,591
1973 <sup>1</sup> .....	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 <sup>1</sup> .....	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	41,283	646	40,637	3,291	7.4	41,871
<b>Monthly data, seasonally adjusted<sup>2</sup></b>										
<b>1980:</b>										
April....	86,311	44,536	51.6	44,379	41,171	639	40,532	3,208	7.2	41,775
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
<b>1981:</b>										
January..	87,313	45,349	51.9	45,178	41,684	691	40,993	3,493	7.7	41,964
February..	87,402	45,513	52.1	45,343	41,882	695	41,187	3,461	7.6	41,888
March....	87,487	45,723	52.3	45,549	42,029	677	41,352	3,519	7.7	41,764
April....	87,578	46,003	52.5	45,829	42,288	678	41,610	3,541	7.7	41,575

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

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

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

[Numbers in thousands]

Sex, age, and race	April 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					
<b>MALES</b>											
16 years and over .....	62,192	77.3	60,237	56,070	4,166	6.9	18,300	361	4,403	1,593	11,943
16 to 21 years .....	8,232	65.6	7,582	6,302	1,280	16.9	4,322	18	3,545	36	722
16 to 19 years .....	4,785	58.0	4,504	3,659	845	18.8	3,459	17	2,886	15	541
16 to 17 years .....	1,827	45.4	1,815	1,408	407	22.4	2,201	7	1,877	4	313
18 to 19 years .....	2,957	70.2	2,689	2,251	438	16.3	1,258	10	1,009	11	228
20 to 64 years .....	55,503	89.1	53,828	50,560	3,267	6.1	6,774	197	1,517	1,137	3,923
20 to 24 years .....	8,891	85.1	8,149	7,100	1,049	12.9	1,562	12	1,105	50	394
25 to 54 years .....	39,469	94.3	38,538	36,569	1,969	5.1	2,366	107	403	591	1,266
25 to 29 years .....	8,884	94.0	8,517	7,862	656	7.7	568	16	243	52	257
30 to 34 years .....	8,469	96.1	8,208	7,787	421	5.1	339	26	75	59	179
35 to 39 years .....	6,684	96.5	6,502	6,171	330	5.1	241	17	36	71	117
40 to 44 years .....	5,464	94.9	5,379	5,148	231	4.3	294	10	20	96	168
45 to 49 years .....	4,957	93.0	4,928	4,781	147	3.0	371	11	22	131	207
50 to 54 years .....	5,011	90.0	5,004	4,820	184	3.7	554	25	9	182	338
55 to 64 years .....	7,142	71.5	7,141	6,892	250	3.5	2,846	78	9	497	2,262
55 to 59 years .....	4,430	82.5	4,429	4,267	162	3.7	941	38	4	253	645
60 to 64 years .....	2,712	58.7	2,712	2,624	88	3.2	1,905	40	5	243	1,617
65 years and over .....	1,905	19.1	1,905	1,851	54	2.9	8,067	148	--	441	7,479
65 to 69 years .....	1,076	28.0	1,076	1,047	29	2.7	2,768	36	--	151	2,581
70 years and over .....	829	13.5	829	804	25	3.0	5,299	112	--	290	4,898
<b>White</b>											
16 years and over .....	55,225	78.2	53,717	50,394	3,323	6.2	15,416	280	3,521	1,257	10,358
16 to 21 years .....	7,211	68.0	6,721	5,720	1,001	14.9	3,393	18	2,838	24	513
16 to 19 years .....	4,225	60.9	4,010	3,349	661	16.5	2,710	17	2,300	11	383
16 to 17 years .....	1,631	48.4	1,621	1,301	320	19.7	1,737	8	1,895	3	230
18 to 19 years .....	2,593	72.7	2,389	2,048	341	14.3	974	8	805	8	153
20 to 64 years .....	49,280	90.0	47,988	45,363	2,626	5.5	5,459	133	1,221	888	3,216
20 to 24 years .....	7,730	86.4	7,181	6,350	830	11.6	1,216	8	919	37	253
25 to 54 years .....	35,028	95.2	34,286	32,706	1,580	4.6	1,761	72	295	440	956
25 to 29 years .....	15,298	95.9	14,810	13,944	866	5.8	651	32	241	78	300
30 to 34 years .....	10,823	96.5	10,600	10,146	454	4.3	388	11	33	122	221
45 to 54 years .....	8,907	92.5	8,876	8,616	260	2.9	723	29	20	240	434
55 to 64 years .....	6,523	72.4	6,521	6,305	216	3.3	2,481	53	8	411	2,008
55 to 59 years .....	4,046	83.7	4,045	3,903	142	3.5	786	26	4	201	554
60 to 64 years .....	2,477	59.4	2,477	2,403	74	3.0	1,695	27	4	210	1,454
65 years and over .....	1,720	19.2	1,720	1,683	36	2.1	7,247	131	--	358	6,759
<b>Black and other</b>											
16 years and over .....	6,967	70.7	6,520	5,676	844	12.9	2,884	81	882	336	1,584
16 to 21 years .....	1,021	52.3	861	582	279	32.4	930	1	707	12	210
16 to 19 years .....	560	42.8	495	310	185	37.3	749	--	586	4	158
16 to 17 years .....	196	29.7	194	107	87	44.9	464	--	382	1	83
18 to 19 years .....	364	56.1	301	203	97	32.4	284	2	204	3	75
20 to 64 years .....	6,221	82.5	5,839	5,198	641	11.0	1,315	64	296	250	707
20 to 24 years .....	1,161	77.1	968	750	218	22.6	345	4	186	13	142
25 to 54 years .....	4,441	88.0	4,252	3,862	389	9.1	605	34	109	151	310
25 to 29 years .....	2,055	88.9	1,916	1,705	211	11.0	256	11	77	33	136
30 to 34 years .....	1,325	90.0	1,281	1,174	107	8.4	147	15	22	45	64
45 to 54 years .....	1,060	84.0	1,056	985	71	6.7	202	8	11	73	111
55 to 64 years .....	620	62.9	620	586	34	5.4	365	25	1	85	254
55 to 59 years .....	384	71.3	384	365	20	5.1	155	13	--	52	91
60 to 64 years .....	235	52.8	235	221	14	5.9	210	12	1	34	163
65 years and over .....	186	18.5	186	168	18	9.7	820	17	--	82	720

# HOUSEHOLD DATA

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

(Numbers in thousands)

Sex, age, and race	April 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					
<b>FEMALES</b>											
16 years and over .....	45,615	52.1	45,441	42,212	3,229	7.1	41,963	30,807	4,338	1,132	5,685
16 to 21 years .....	6,781	55.2	6,713	5,695	1,018	15.2	5,505	1,242	3,531	26	706
16 to 19 years .....	3,999	49.6	3,969	3,273	696	17.5	4,058	569	2,911	15	562
16 to 17 years .....	1,582	40.6	1,582	1,265	316	20.0	2,317	128	1,823	9	357
18 to 19 years .....	2,416	58.1	2,388	2,008	380	15.9	1,741	442	1,088	6	205
20 to 64 years .....	40,428	62.0	40,284	37,802	2,482	6.2	24,816	20,715	1,420	514	2,167
20 to 24 years .....	7,168	68.7	7,084	6,367	717	10.1	3,272	1,978	955	27	312
25 to 54 years .....	28,563	65.5	28,502	26,909	1,593	5.6	15,076	13,381	452	258	984
25 to 29 years .....	6,473	67.2	6,432	5,913	518	8.1	3,163	2,721	191	31	221
30 to 34 years .....	6,020	66.6	6,006	5,669	337	5.6	3,024	2,696	113	32	183
35 to 39 years .....	4,820	66.3	4,816	4,536	281	5.8	2,452	2,205	67	25	155
40 to 44 years .....	4,117	67.4	4,116	3,928	188	4.6	1,995	1,819	29	37	111
45 to 49 years .....	3,646	64.7	3,646	3,511	134	3.7	1,985	1,776	39	57	113
50 to 54 years .....	3,487	58.7	3,487	3,352	135	3.9	2,457	2,165	14	76	201
55 to 64 years .....	4,697	42.1	4,697	4,525	172	3.7	6,469	5,356	13	229	872
55 to 59 years .....	2,910	49.2	2,910	2,806	105	3.6	3,005	2,548	11	111	336
60 to 64 years .....	1,787	34.0	1,787	1,720	67	3.7	3,464	2,808	2	118	535
65 years and over .....	1,188	8.3	1,188	1,137	51	4.3	13,089	9,523	7	603	2,956
65 to 69 years .....	732	15.3	732	705	27	3.7	4,057	3,167	5	116	769
70 years and over .....	456	4.8	456	432	24	5.2	9,032	6,355	2	487	2,188
<b>White</b>											
16 years and over .....	39,438	51.9	39,311	36,867	2,444	6.2	36,561	27,481	3,374	895	4,811
16 to 21 years .....	5,991	58.2	5,943	5,144	798	13.4	4,302	1,003	2,770	18	511
16 to 19 years .....	3,573	53.1	3,553	2,987	566	15.9	3,160	454	2,284	10	412
16 to 17 years .....	1,436	44.3	1,435	1,168	268	18.6	1,808	100	1,429	6	273
18 to 19 years .....	2,137	61.2	2,117	1,819	298	14.1	1,353	354	855	4	139
20 to 64 years .....	34,801	61.8	34,695	32,862	1,833	5.3	21,548	18,281	1,086	395	1,786
20 to 24 years .....	6,192	70.4	6,132	5,622	510	8.3	2,602	1,628	729	21	223
25 to 54 years .....	24,424	65.0	24,379	23,206	1,173	4.8	13,136	11,787	346	203	801
25 to 29 years .....	10,584	66.5	10,543	9,933	611	5.8	5,339	4,754	224	50	311
30 to 34 years .....	7,664	66.4	7,660	7,304	355	4.6	3,885	3,531	77	53	224
35 to 44 years .....	6,177	61.2	6,176	5,969	207	3.4	3,913	3,500	45	100	267
55 to 64 years .....	4,184	41.9	4,184	4,034	150	3.6	5,809	4,867	10	171	761
55 to 59 years .....	2,600	49.2	2,600	2,507	92	3.6	2,680	2,303	10	78	289
60 to 64 years .....	1,584	33.6	1,584	1,526	58	3.7	3,129	2,563	--	93	473
65 years and over .....	1,064	8.2	1,064	1,019	45	4.2	11,852	8,745	4	490	2,613
<b>Black and other</b>											
16 years and over .....	6,177	53.3	6,130	5,344	785	12.8	5,403	3,326	964	237	875
16 to 21 years .....	790	39.7	770	551	220	28.5	1,202	239	761	8	195
16 to 19 years .....	426	32.2	417	287	130	31.3	897	115	627	5	150
16 to 17 years .....	146	22.3	146	97	49	33.3	509	27	394	3	85
18 to 19 years .....	279	41.9	271	189	82	30.2	388	87	233	2	66
20 to 64 years .....	5,628	63.3	5,589	4,940	649	11.6	3,268	2,434	334	119	381
20 to 24 years .....	976	59.3	953	746	207	21.8	669	349	226	5	89
25 to 54 years .....	4,138	68.1	4,122	3,703	420	10.2	1,940	1,596	106	55	182
25 to 29 years .....	1,909	69.2	1,894	1,650	245	12.9	848	663	79	13	93
30 to 34 years .....	1,273	69.4	1,272	1,159	113	8.9	562	492	19	9	42
35 to 44 years .....	956	64.4	956	894	62	6.5	529	441	8	33	47
55 to 64 years .....	513	43.8	513	492	21	4.2	660	489	2	58	110
55 to 59 years .....	311	48.8	311	298	12	4.0	325	244	1	33	48
60 to 64 years .....	203	37.7	203	194	9	4.4	334	244	1	26	63
65 years and over .....	124	9.1	124	118	6	5.0	1,237	778	3	113	343

## 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	
	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981
<b>MALES</b>								
16 years and over	61,333	62,192	77.3	77.3	59,397	60,237	76.7	76.7
16 to 19 years	4,832	4,785	57.6	58.0	4,556	4,504	56.1	56.6
16 to 17 years	1,878	1,827	45.5	45.4	1,862	1,815	45.3	45.2
18 to 19 years	2,954	2,957	69.2	70.2	2,694	2,689	67.2	68.1
20 to 24 years	8,843	8,891	85.5	85.1	8,112	8,149	84.4	83.9
25 to 54 years	38,598	39,469	94.2	94.3	37,672	38,538	94.1	94.2
25 to 34 years	16,784	17,353	95.2	95.0	16,168	16,726	95.1	94.9
35 to 44 years	11,811	12,148	95.4	95.8	11,536	11,880	95.3	95.7
45 to 54 years	10,004	9,968	91.3	91.5	9,968	9,932	91.2	91.5
55 to 64 years	7,182	7,142	72.7	71.5	7,181	7,141	72.7	71.5
55 to 59 years	4,372	4,430	81.4	82.5	4,370	4,429	81.4	82.5
60 to 64 years	2,810	2,712	62.3	58.7	2,810	2,712	62.3	58.7
65 years and over	1,877	1,905	19.2	19.1	1,877	1,905	19.2	19.1
<b>White</b>								
16 years and over	54,570	55,225	78.2	78.2	53,070	53,717	77.7	77.7
16 to 19 years	4,322	4,225	61.0	60.9	4,115	4,010	59.8	59.7
16 to 17 years	1,720	1,631	49.6	48.4	1,706	1,621	49.4	48.3
18 to 19 years	2,602	2,593	71.8	72.7	2,409	2,389	70.2	71.0
20 to 24 years	7,656	7,730	86.3	86.4	7,111	7,181	85.4	85.5
25 to 54 years	34,300	35,028	95.0	95.2	33,554	34,286	94.9	95.1
25 to 34 years	14,811	15,298	95.9	95.9	14,327	14,810	95.8	95.8
35 to 44 years	10,545	10,823	96.3	96.5	10,315	10,600	96.2	96.5
45 to 54 years	8,944	8,907	92.1	92.5	8,912	8,876	92.1	92.5
55 to 64 years	6,594	6,523	73.9	72.4	6,593	6,521	73.9	72.4
55 to 59 years	4,018	4,046	83.0	83.7	4,017	4,045	83.0	83.7
60 to 64 years	2,576	2,477	63.1	59.4	2,576	2,477	63.1	59.4
65 years and over	1,697	1,720	19.3	19.2	1,697	1,720	19.3	19.2
<b>Black and other</b>								
16 years and over	6,762	6,967	70.6	70.7	6,327	6,520	69.2	69.3
16 to 19 years	510	560	39.1	42.8	440	495	35.7	39.8
16 to 17 years	158	196	23.9	29.7	155	194	23.6	29.5
18 to 19 years	352	364	54.7	56.1	285	301	49.4	51.4
20 to 24 years	1,186	1,161	80.7	77.1	1,001	968	77.9	73.7
25 to 54 years	4,298	4,441	88.4	88.0	4,118	4,252	87.9	87.5
25 to 34 years	1,972	2,055	90.3	88.9	1,842	1,916	89.7	88.2
35 to 44 years	1,267	1,325	88.6	90.0	1,221	1,281	88.3	89.7
45 to 54 years	1,060	1,060	84.8	84.0	1,055	1,056	84.7	83.9
55 to 64 years	588	620	61.4	62.9	588	620	61.4	62.9
55 to 59 years	354	384	66.7	71.3	354	384	66.7	71.3
60 to 64 years	234	235	54.9	52.8	234	235	54.9	52.8
65 years and over	180	186	18.3	18.5	180	186	18.3	18.5

# HOUSEHOLD DATA

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981
<b>FEMALES</b>								
16 years and over	44,172	45,615	51.2	52.1	44,015	45,441	51.1	52.0
16 to 19 years	3,932	3,999	47.9	49.6	3,904	3,969	47.8	49.4
16 to 17 years	1,519	1,582	38.1	40.6	1,518	1,582	38.1	40.6
18 to 19 years	2,413	2,416	57.3	58.1	2,386	2,388	57.0	57.8
20 to 24 years	6,955	7,168	67.3	68.7	6,879	7,084	67.1	68.4
25 to 54 years	27,469	28,563	64.3	65.5	27,416	28,502	64.2	65.4
25 to 34 years	11,944	12,493	66.3	66.9	11,896	12,438	66.2	66.8
35 to 44 years	8,592	8,937	65.7	66.8	8,588	8,932	65.7	66.8
45 to 54 years	6,932	7,133	59.5	61.6	6,931	7,132	59.4	61.6
55 to 64 years	4,660	4,697	42.2	42.1	4,660	4,697	42.2	42.1
55 to 59 years	2,924	2,910	49.5	49.2	2,924	2,910	49.5	49.2
60 to 64 years	1,736	1,787	33.8	34.0	1,736	1,787	33.8	34.0
65 years and over	1,156	1,188	8.3	8.3	1,156	1,188	8.3	8.3
<b>White</b>								
16 years and over	38,291	39,438	51.0	51.9	38,174	39,311	50.9	51.8
16 to 19 years	3,536	3,573	51.4	53.1	3,517	3,553	51.3	52.9
16 to 17 years	1,388	1,436	41.6	44.3	1,387	1,435	41.6	44.3
18 to 19 years	2,149	2,137	60.6	61.2	2,130	2,117	60.4	61.0
20 to 24 years	6,017	6,192	69.0	70.4	5,961	6,132	68.8	70.2
25 to 54 years	23,559	24,424	63.9	65.0	23,519	24,379	63.8	65.0
25 to 34 years	10,148	10,584	65.9	66.5	10,113	10,543	65.8	66.4
35 to 44 years	7,376	7,664	65.3	66.4	7,372	7,660	65.3	66.3
45 to 54 years	6,036	6,177	59.2	61.2	6,035	6,176	59.2	61.2
55 to 64 years	4,153	4,184	41.9	41.9	4,153	4,184	41.9	41.9
55 to 59 years	2,597	2,600	49.1	49.2	2,597	2,600	49.1	49.2
60 to 64 years	1,555	1,584	33.6	33.6	1,555	1,584	33.6	33.6
65 years and over	1,025	1,064	8.1	8.2	1,025	1,064	8.1	8.2
<b>Black and other</b>								
16 years and over	5,881	6,177	52.3	53.3	5,841	6,130	52.1	53.2
16 to 19 years	396	426	30.0	32.2	388	417	29.5	31.7
16 to 17 years	131	146	20.0	22.3	131	146	20.0	22.3
18 to 19 years	265	279	39.8	41.9	257	271	39.1	41.1
20 to 24 years	938	976	58.3	59.3	918	953	57.8	58.7
25 to 54 years	3,910	4,138	66.7	68.1	3,897	4,122	66.7	68.0
25 to 34 years	1,796	1,909	68.7	69.2	1,784	1,894	68.6	69.1
35 to 44 years	1,217	1,273	68.5	69.4	1,216	1,272	68.4	69.3
45 to 54 years	897	956	61.1	64.4	897	956	61.1	64.4
55 to 64 years	508	513	44.7	43.8	508	513	44.7	43.8
55 to 59 years	327	311	52.6	48.8	327	311	52.6	48.8
60 to 64 years	181	203	35.1	37.7	181	203	35.1	37.7
65 years and over	130	124	9.9	9.1	130	124	9.9	9.1

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

(Numbers in thousands)

Sex and age	April 1981						Not in labor force
	Civilian labor force					Percent of labor force	
	Total	Employed			Number		
		Total	Agri- culture	Nonagri- cultural indus- tries			
<b>TOTAL</b>							
16 years and over .....	10,678	9,180	229	8,951	1,499	14.0	7,044
16 to 19 years .....	776	479	26	453	296	38.2	1,457
16 to 17 years .....	282	155	12	144	126	44.8	869
18 to 19 years .....	494	324	14	310	170	34.5	588
20 to 24 years .....	1,661	1,259	20	1,240	402	24.2	828
25 to 54 years .....	6,996	6,261	129	6,132	735	10.5	2,078
25 to 34 years .....	3,164	2,756	41	2,715	408	12.9	872
35 to 44 years .....	2,144	1,934	46	1,889	209	9.8	591
45 to 54 years .....	1,688	1,570	42	1,528	118	7.0	615
55 to 64 years .....	979	933	28	905	46	4.7	898
65 to 69 years .....	592	567	14	553	25	4.2	416
70 to 74 years .....	388	367	14	353	21	5.4	482
75 years and over .....	266	247	26	221	19	7.2	1,783
<b>Males</b>							
16 years and over .....	5,495	4,715	197	4,518	781	14.2	2,440
16 to 19 years .....	430	252	23	228	177	41.2	650
16 to 17 years .....	166	82	12	71	83	50.0	407
18 to 19 years .....	263	170	12	158	94	35.7	243
20 to 24 years .....	833	627	15	613	206	24.7	268
25 to 54 years .....	3,553	3,196	110	3,086	358	10.1	500
25 to 34 years .....	1,581	1,388	35	1,354	192	12.1	203
35 to 44 years .....	1,080	979	37	943	101	9.4	124
45 to 54 years .....	892	827	38	789	65	7.3	173
55 to 64 years .....	526	500	27	473	26	4.9	329
65 to 69 years .....	320	307	13	294	13	4.1	141
70 to 74 years .....	207	193	14	180	13	6.3	188
75 years and over .....	153	140	23	117	13	8.5	693
<b>Females</b>							
16 years and over .....	5,183	4,465	32	4,433	718	13.8	4,604
16 to 19 years .....	346	227	3	225	119	34.4	807
16 to 17 years .....	116	73	--	73	43	36.9	462
18 to 19 years .....	231	154	2	152	76	33.1	345
20 to 24 years .....	828	632	5	627	196	23.6	560
25 to 54 years .....	3,443	3,065	19	3,046	377	10.9	1,578
25 to 34 years .....	1,583	1,368	6	1,361	216	13.6	669
35 to 44 years .....	1,064	955	9	946	108	10.2	467
45 to 54 years .....	796	743	4	739	53	6.7	442
55 to 64 years .....	453	433	1	432	20	4.4	569
65 to 69 years .....	272	260	1	259	12	4.4	275
70 to 74 years .....	181	174	--	173	8	4.3	294
75 years and over .....	113	107	3	104	6	5.3	1,090

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

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

(Numbers in thousands)

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981
<b>TOTAL</b>								
Total noninstitutional population	165,693	168,071	70,988	72,249	78,110	79,522	16,595	16,300
Total labor force	105,505	107,807	56,500	57,408	40,240	41,616	8,764	8,783
Percent of population	63.7	64.1	79.6	79.5	51.5	52.3	52.8	53.9
Civilian labor force	103,412	105,678	54,842	55,733	40,111	41,472	8,460	8,474
Employed	96,566	98,282	51,605	52,411	37,787	38,939	7,174	6,932
Agriculture	3,081	3,257	2,255	2,322	514	552	311	383
Nonagricultural industries	93,485	95,026	49,350	50,090	37,273	38,386	6,863	6,549
Unemployed	6,846	7,396	3,236	3,321	2,324	2,533	1,286	1,541
Percent of labor force	6.6	7.0	5.9	6.0	5.8	6.1	15.2	18.2
Not in labor force	60,188	60,263	14,487	14,841	37,870	37,905	7,831	7,517
<b>White</b>								
Total noninstitutional population	144,870	146,640	62,715	63,706	68,186	69,265	13,970	13,669
Total labor force	92,861	94,663	50,248	51,000	34,754	35,865	7,858	7,798
Percent of population	64.1	64.6	80.1	80.1	51.0	51.8	56.3	57.0
Civilian labor force	91,245	93,029	48,955	49,708	34,658	35,759	7,632	7,562
Employed	85,886	87,262	46,377	47,046	32,921	33,881	6,589	6,336
Agriculture	2,833	2,971	2,049	2,107	485	510	298	354
Nonagricultural industries	83,053	84,291	44,328	44,939	32,435	33,370	6,290	5,982
Unemployed	5,359	5,767	2,578	2,662	1,737	1,878	1,043	1,227
Percent of labor force	5.9	6.2	5.3	5.4	5.0	5.3	13.7	16.2
Not in labor force	52,010	51,977	12,467	12,706	33,431	33,400	6,111	5,871
<b>Black and other</b>								
Total noninstitutional population	20,822	21,431	8,273	8,542	9,924	10,257	2,625	2,632
Total labor force	12,644	13,144	6,252	6,407	5,485	5,752	906	985
Percent of population	60.7	61.3	75.6	75.0	55.3	56.1	34.5	37.4
Civilian labor force	12,168	12,649	5,886	6,025	5,453	5,713	828	911
Employed	10,680	11,020	5,228	5,366	4,867	5,058	585	597
Agriculture	248	285	206	215	29	42	13	29
Nonagricultural industries	10,432	10,735	5,022	5,151	4,838	5,016	572	568
Unemployed	1,487	1,629	658	659	586	655	243	315
Percent of labor force	12.2	12.9	11.2	10.9	10.8	11.5	29.3	34.6
Not in labor force	8,179	8,286	2,020	2,135	4,439	4,505	1,719	1,646



## 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	April 1981								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
<b>TOTAL</b>									
Total noninstitutional population .....	24,840	12,554	12,286	20,897	10,604	10,293	3,943	1,950	1,993
Total labor force .....	15,013	8,232	6,781	13,202	7,211	5,991	1,811	1,021	790
Percent of population .....	60.4	65.6	55.2	63.2	68.0	58.2	45.9	52.3	39.7
Civilian labor force .....	14,295	7,582	6,713	12,664	6,721	5,943	1,631	861	770
Employed .....	11,997	6,302	5,695	10,865	5,720	5,144	1,133	582	551
Agriculture .....	537	456	81	497	420	77	41	36	4
Nonagricultural industries .....	11,460	5,846	5,614	10,368	5,300	5,067	1,092	545	546
Unemployed .....	2,298	1,280	1,018	1,800	1,001	798	498	279	220
Looking for full-time work .....	1,465	859	606	1,125	671	454	341	189	152
Looking for part-time work .....	833	421	412	675	331	344	157	90	67
Percent of labor force .....	16.1	16.9	15.2	14.2	14.9	13.4	30.6	32.4	28.5
Not in labor force .....	9,827	4,322	5,505	7,695	3,393	4,302	2,132	930	1,202
Major activity: going to school									
Civilian labor force .....	4,068	2,112	1,957	3,634	1,883	1,751	434	229	205
Employed .....	3,297	1,693	1,604	3,045	1,569	1,476	252	124	128
Agriculture .....	169	142	27	157	131	27	11	11	--
Nonagricultural industries .....	3,128	1,551	1,577	2,888	1,438	1,450	241	113	128
Unemployed .....	771	419	352	589	314	275	182	105	77
Looking for full-time work .....	134	71	63	84	43	40	50	28	22
Looking for part-time work .....	638	348	290	506	271	235	132	77	55
Percent of labor force .....	19.0	19.8	18.0	16.2	16.7	15.7	41.9	45.8	37.6
Not in labor force .....	7,076	3,545	3,531	5,608	2,838	2,770	1,468	707	761
Major activity: other									
Civilian labor force .....	10,227	5,470	4,756	9,030	4,839	4,191	1,197	632	565
Employed .....	8,700	4,609	4,091	7,820	4,151	3,668	881	458	423
Agriculture .....	369	315	54	340	289	50	29	25	4
Nonagricultural industries .....	8,331	4,295	4,037	7,480	3,862	3,618	851	433	419
Unemployed .....	1,527	861	666	1,210	687	523	316	174	142
Looking for full-time work .....	1,332	788	543	1,041	627	414	291	161	130
Looking for part-time work .....	195	73	122	169	60	110	26	13	13
Percent of labor force .....	14.9	15.7	14.0	13.4	14.2	12.5	26.4	27.5	25.2
Not in labor force .....	2,751	777	1,974	2,087	555	1,532	664	222	442

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

(Numbers in thousands)

Sex, age, and race	April 1981								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time <sup>1</sup>	Unemployed (looking for part-time work)	
		Full-time schedules <sup>1</sup>	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
<b>TOTAL</b>									
Both sexes, 16 years and over.....	89,096	79,064	3,968	6,065	6.8	16,582	15,251	1,331	8.0
16 to 21 years.....	8,356	6,080	811	1,465	17.5	5,939	5,106	833	14.0
16 to 19 years.....	3,731	2,470	445	817	21.9	4,742	4,017	725	15.3
16 to 17 years.....	712	360	120	232	32.5	2,684	2,193	491	18.3
18 to 19 years.....	3,019	2,110	324	585	19.4	2,058	1,825	234	11.3
20 years and over.....	85,365	76,593	3,523	5,248	6.1	11,839	11,233	606	5.1
20 to 24 years.....	12,943	10,543	825	1,575	12.2	2,290	2,099	190	8.3
25 years and over.....	72,422	66,051	2,698	3,674	5.1	9,549	9,134	416	4.4
25 to 54 years.....	60,455	55,034	2,176	3,245	5.4	6,585	6,268	317	4.8
55 years and over.....	11,967	11,017	522	428	3.6	2,964	2,866	99	3.3
<b>Males, 16 years and over.....</b>	<b>54,932</b>	<b>49,388</b>	<b>1,918</b>	<b>3,627</b>	<b>6.6</b>	<b>5,305</b>	<b>4,765</b>	<b>540</b>	<b>10.2</b>
16 to 21 years.....	4,728	3,470	398	859	18.2	2,854	2,433	421	14.7
16 to 19 years.....	2,143	1,434	242	467	21.8	2,361	1,983	378	16.0
20 years and over.....	52,789	47,954	1,676	3,159	6.0	2,944	2,782	162	5.5
20 to 24 years.....	7,262	5,893	389	980	13.5	887	818	69	7.7
25 years and over.....	45,527	42,061	1,287	2,179	4.8	2,058	1,963	93	4.5
25 to 54 years.....	37,720	34,750	1,051	1,921	5.1	818	769	48	5.9
55 years and over.....	7,807	7,311	236	259	3.3	1,240	1,194	45	3.6
<b>Females, 16 years and over.....</b>	<b>34,164</b>	<b>29,676</b>	<b>2,050</b>	<b>2,438</b>	<b>7.1</b>	<b>11,277</b>	<b>10,486</b>	<b>791</b>	<b>7.0</b>
16 to 21 years.....	3,628	2,610	412	606	16.7	3,085	2,672	412	13.4
16 to 19 years.....	1,588	1,036	203	349	22.0	2,382	2,034	347	14.6
20 years and over.....	32,576	28,640	1,847	2,089	6.4	8,895	8,452	444	5.0
20 to 24 years.....	5,682	4,650	436	595	10.5	1,403	1,281	122	8.7
25 years and over.....	26,894	23,990	1,411	1,493	5.6	7,492	7,171	323	4.3
25 to 54 years.....	22,734	20,284	1,125	1,325	5.8	5,767	5,500	269	4.7
55 years and over.....	4,160	3,706	286	168	4.0	1,725	1,671	54	3.1
<b>White</b>									
<b>Males, 16 years and over.....</b>	<b>48,977</b>	<b>44,463</b>	<b>1,614</b>	<b>2,900</b>	<b>5.9</b>	<b>4,741</b>	<b>4,318</b>	<b>422</b>	<b>8.9</b>
16 to 21 years.....	4,138	3,129	338	671	16.2	2,583	2,253	331	12.8
16 to 19 years.....	1,874	1,310	205	360	19.2	2,135	1,834	301	14.1
20 years and over.....	47,102	43,152	1,409	2,541	5.4	2,605	2,484	121	4.7
20 to 24 years.....	6,383	5,275	331	777	12.2	797	744	53	6.7
25 years and over.....	40,719	37,877	1,078	1,764	4.3	1,808	1,740	69	3.8
25 to 54 years.....	33,588	31,163	884	1,540	4.6	699	659	40	5.7
55 years and over.....	7,131	6,714	193	224	3.1	1,109	1,081	29	2.6
<b>Females, 16 years and over.....</b>	<b>29,007</b>	<b>25,581</b>	<b>1,645</b>	<b>1,781</b>	<b>6.1</b>	<b>10,305</b>	<b>9,642</b>	<b>663</b>	<b>6.4</b>
16 to 21 years.....	3,153	2,345	354	454	14.4	2,790	2,445	344	12.3
16 to 19 years.....	1,389	930	184	274	19.7	2,164	1,872	292	13.5
20 years and over.....	27,618	24,651	1,460	1,507	5.5	8,141	7,770	371	4.6
20 to 24 years.....	4,883	4,115	352	416	8.5	1,249	1,155	94	7.5
25 years and over.....	22,735	20,536	1,109	1,090	4.8	6,892	6,615	277	4.0
25 to 54 years.....	19,013	17,191	880	940	4.9	5,367	5,134	233	4.3
55 years and over.....	3,723	3,344	228	150	4.0	1,525	1,481	44	2.9
<b>Black and other</b>									
<b>Males, 16 years and over.....</b>	<b>5,955</b>	<b>4,925</b>	<b>304</b>	<b>726</b>	<b>12.2</b>	<b>564</b>	<b>447</b>	<b>117</b>	<b>20.8</b>
16 to 21 years.....	590	341	60	189	32.0	270	180	90	33.3
16 to 19 years.....	269	124	37	108	40.1	226	149	77	34.0
20 years and over.....	5,687	4,802	267	618	10.9	339	298	41	12.0
20 to 24 years.....	878	618	57	203	23.1	90	74	15	17.1
25 years and over.....	4,809	4,184	209	415	8.6	249	224	26	10.4
25 to 54 years.....	4,134	3,587	166	380	9.2	119	110	9	7.6
55 years and over.....	675	597	43	35	5.2	130	114	17	13.1
<b>Females, 16 years and over.....</b>	<b>5,158</b>	<b>4,095</b>	<b>405</b>	<b>657</b>	<b>12.7</b>	<b>972</b>	<b>844</b>	<b>128</b>	<b>13.2</b>
16 to 21 years.....	475	265	58	152	32.0	295	228	67	22.9
16 to 19 years.....	199	106	18	75	37.6	217	162	55	25.4
20 years and over.....	4,958	3,989	387	582	11.7	755	682	73	9.6
20 to 24 years.....	799	535	84	179	22.4	154	126	28	18.3
25 years and over.....	4,159	3,454	303	403	9.7	601	556	44	7.3
25 to 54 years.....	3,722	3,092	245	385	10.3	400	366	35	8.7
55 years and over.....	437	362	58	18	4.1	200	190	9	4.5

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

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

[Numbers in thousands]

Family relationship	April 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					
<b>Total, 18 years and over</b> .....	105,678	63.7	98,282	7,396	7.0	60,263	31,168	8,741	2,725	17,628
Husbands .....	39,006	80.7	37,501	1,505	3.9	9,313	128	207	983	7,994
With employed wife .....	21,383	91.8	20,645	738	3.4	1,909	40	117	318	1,434
With unemployed wife .....	1,175	91.1	1,030	145	12.4	114	2	5	33	75
With wife not in labor force .....	16,448	69.3	15,826	622	3.8	7,289	86	85	632	6,485
Wives .....	24,582	50.9	23,292	1,290	5.2	23,737	21,150	341	318	1,928
With employed husband .....	21,675	57.8	20,645	1,030	4.8	15,826	14,606	273	123	824
With unemployed husband .....	883	58.7	738	145	16.4	622	564	23	4	32
With husband not in labor force .....	2,024	21.7	1,909	114	5.7	7,289	5,981	44	192	1,072
Relatives in married-couple families .....	12,737	60.4	11,018	1,718	13.5	8,338	812	5,527	306	1,693
18 to 19 years .....	5,748	53.2	4,880	869	15.1	5,050	136	4,180	21	713
20 to 24 years .....	4,692	73.4	4,094	597	12.7	1,699	124	1,245	34	295
25 years and over .....	2,297	59.1	2,044	252	11.0	1,589	552	102	251	685
Females who maintain families .....	5,509	60.9	4,991	518	9.4	3,540	2,727	134	134	546
Relatives in families maintained by females .....	4,358	54.9	3,430	928	21.3	3,578	783	1,555	224	1,015
18 to 19 years .....	1,332	45.1	906	426	32.0	1,623	103	1,220	6	295
20 to 24 years .....	1,401	70.7	1,096	305	1.8	579	115	284	15	165
25 years and over .....	1,625	54.1	1,428	197	12.1	1,376	565	51	203	555
Males who maintain families .....	1,859	76.5	1,723	137	7.4	572	28	19	68	456
Relatives in families maintained by males .....	1,431	58.1	1,238	193	13.5	1,031	418	280	73	260
18 to 19 years .....	342	58.0	273	68	20.0	247	25	196	2	24
20 to 24 years .....	389	75.6	330	59	15.2	125	32	69	4	21
25 years and over .....	700	51.5	635	66	9.4	659	361	15	67	215
Persons living alone .....	10,056	53.9	9,506	550	5.5	8,611	4,662	231	515	3,203
Males .....	5,181	71.8	4,822	359	6.9	2,031	110	138	207	1,575
Females .....	4,875	42.6	4,684	191	3.9	6,580	4,552	93	308	1,628
All others <sup>1</sup> .....	6,140	79.9	5,583	557	9.1	1,543	460	447	104	533

<sup>1</sup> 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	
	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981
<b>Total, 16 years and over</b> .....	3,939	4,166	6.6	6.9	2,907	3,229	6.6	7.1
Married, spouse present .....	1,693	1,581	4.2	4.0	1,269	1,343	5.2	5.4
Widowed, divorced, or separated .....	432	478	8.8	9.0	601	634	7.1	7.1
Single (never married) .....	1,814	2,108	12.4	14.0	1,037	1,252	9.4	10.9
<b>White, 16 years and over</b> .....	3,159	3,323	6.0	6.2	2,200	2,444	5.8	6.2
Married, spouse present .....	1,431	1,337	3.9	3.7	1,048	1,123	4.8	5.0
Widowed, divorced, or separated .....	328	376	8.1	8.6	429	434	6.2	6.0
Single (never married) .....	1,399	1,610	11.1	12.4	723	887	7.7	9.1
<b>Black and other, 16 years and over</b> .....	780	844	12.3	12.9	707	785	12.1	12.8
Married, spouse present .....	262	244	7.4	6.9	221	220	8.6	8.6
Widowed, divorced, or separated .....	104	102	12.2	10.8	173	201	10.8	11.4
Single (never married) .....	414	498	21.4	24.2	314	365	18.6	20.2
<b>Total, 20 to 64 years of age</b> .....	3,172	3,267	6.0	6.1	2,289	2,482	5.9	6.2
Married, spouse present .....	1,613	1,527	4.2	4.0	1,195	1,267	5.0	5.2
Widowed, divorced, or separated .....	417	466	9.0	9.3	567	598	7.3	7.3
Single (never married) .....	1,142	1,274	11.2	12.0	526	618	7.1	7.9
<b>White, 20 to 64 years of age</b> .....	2,534	2,626	5.4	5.5	1,705	1,833	5.1	5.3
Married, spouse present .....	1,368	1,298	3.9	3.7	982	1,061	4.6	4.9
Widowed, divorced, or separated .....	316	366	8.3	8.9	403	402	6.5	6.2
Single (never married) .....	850	961	9.8	10.6	322	370	5.3	5.8
<b>Black and other, 20 to 64 years of age</b> .....	638	641	11.2	11.0	583	649	11.0	11.6
Married, spouse present .....	246	228	7.2	6.7	213	205	8.6	8.2
Widowed, divorced, or separated .....	101	100	12.4	11.2	165	196	10.9	11.7
Single (never married) .....	291	313	19.5	20.1	205	248	15.4	17.5

# HOUSEHOLD DATA

## A-11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981
Total, 16 years and over	6,846	7,396	6.6	7.0	6.6	6.9	6.6	7.1
White-collar workers	1,727	1,924	3.3	3.6	2.4	2.6	4.0	4.4
Professional and technical	318	423	2.0	2.6	1.7	2.3	2.3	2.9
Managers and administrators, except farm	267	268	2.5	2.3	1.9	1.8	3.9	3.9
Sales workers	279	250	4.4	3.9	3.1	3.0	6.1	5.0
Clerical workers	362	983	4.5	5.1	4.6	4.9	4.5	5.1
Blue-collar workers	3,329	3,349	9.8	9.9	9.2	9.3	12.3	12.5
Craft and kindred workers	920	955	6.8	7.1	6.8	7.2	6.7	5.0
Carpenters and other construction craft workers	509	507	12.1	12.4	12.1	12.4	11.3	9.3
All other	411	448	4.4	4.8	4.3	4.8	6.2	4.6
Operatives, except transport	1,355	1,350	11.7	11.6	10.5	9.7	13.4	14.4
Transport equipment operatives	342	324	9.0	8.7	9.1	9.1	7.1	5.1
Nonfarm laborers	712	721	14.3	14.1	14.4	14.4	13.6	11.8
Construction laborers	207	238	21.2	24.1	20.7	23.3	(1)	(1)
All other	505	483	12.6	11.7	12.6	11.9	12.5	9.9
Service workers	1,023	1,146	7.3	8.0	7.7	8.7	7.0	7.5
Private household	48	62	4.4	6.0	(1)	(1)	4.4	6.2
All other	975	1,084	7.5	8.1	7.7	8.8	7.4	7.7
Farm workers	136	109	5.1	4.0	4.1	3.7	9.9	5.4
No previous work experience	631	867	--	--	--	--	--	--
16 to 19 years	432	677	--	--	--	--	--	--
20 to 24 years	124	118	--	--	--	--	--	--
25 years and over	74	72	--	--	--	--	--	--

<sup>1</sup> 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	
	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981
Total, 16 years and over	100.0	100.0	6.6	7.0	6.6	6.9	6.6	7.1
Nonagricultural private wage and salary workers	78.2	75.5	7.1	7.2	7.2	7.2	6.8	7.2
Mining	.9	.8	6.8	5.5	7.5	6.1	1.9	1.6
Construction	11.8	11.0	16.3	16.2	17.2	16.7	6.3	11.5
Manufacturing	27.4	23.4	8.1	7.6	6.9	6.2	10.6	10.6
Durable goods	17.3	13.8	8.4	7.5	7.7	6.5	10.7	10.1
Lumber and wood products	1.7	1.2	17.7	13.4	17.5	13.1	19.1	15.3
Furniture and fixtures	.7	.4	8.8	5.8	9.1	4.5	8.1	8.7
Stone, clay, and glass products	.9	.8	8.9	8.5	8.2	8.2	12.0	9.8
Primary metal industries	1.6	1.2	8.2	7.2	7.9	6.6	11.2	11.2
Fabricated metal products	2.2	1.7	9.6	8.0	8.0	6.8	15.0	11.9
Machinery, except electrical equipment	1.8	2.0	4.1	5.1	3.5	4.7	6.6	6.5
Electrical equipment	2.1	2.4	5.8	7.2	3.2	4.5	8.8	10.6
Transportation equipment	5.0	2.8	14.5	9.5	13.9	8.7	17.1	13.7
Automobiles	4.1	2.1	21.9	13.1	21.0	11.3	26.3	22.9
Other transportation equipment	.8	.7	5.2	5.2	4.9	5.5	6.5	4.0
Instruments and related products	.4	.4	4.5	5.2	1.9	3.2	7.2	8.1
Other durable goods industries	.9	.8	8.2	7.6	4.9	6.3	12.7	9.7
Nondurable goods	10.2	9.7	7.6	7.9	5.6	5.6	10.6	11.0
Food and kindred products	2.5	2.5	9.1	9.7	6.1	6.4	15.8	16.6
Textile mill products	.9	1.1	8.0	10.5	6.6	11.5	9.5	9.5
Apparel and other textile products	2.1	1.8	10.2	9.9	9.3	5.3	10.4	11.2
Paper and allied products	.9	.6	8.0	5.4	5.9	3.4	13.5	11.1
Printing and publishing	1.2	1.2	5.6	5.6	4.5	4.4	7.1	7.3
Chemicals and allied products	.9	.9	4.4	4.8	2.7	3.4	9.2	8.4
Rubber and plastics products	1.0	.9	8.8	9.2	8.5	8.0	9.4	11.2
Other nondurable goods industries	.6	.7	7.0	9.2	4.9	6.4	9.7	12.6
Transportation and public utilities	3.5	3.9	4.3	5.2	4.4	5.4	4.1	4.6
Railroads and railway express	.3	.4	3.6	5.9	3.8	6.1	(1)	(1)
Other transportation	2.5	2.6	6.7	7.3	6.7	7.3	6.5	7.2
Communication and other public utilities	.6	.9	1.8	2.8	1.3	2.7	2.8	3.1
Wholesale and retail trade	18.6	18.8	6.9	7.2	5.7	6.7	8.2	7.8
Finance, insurance, and real estate	2.5	2.3	3.2	3.1	3.3	2.6	3.2	3.3
Service industries	13.4	15.3	5.3	6.2	6.3	6.8	4.7	5.9
Professional services	4.7	6.0	3.1	4.2	2.9	3.5	3.2	4.5
All other service industries	8.7	9.2	8.4	9.2	9.5	9.8	7.5	8.6
Agricultural wage and salary workers	2.6	2.0	12.0	9.4	10.6	9.4	17.6	9.5
All other classes of workers	10.0	10.8	2.7	3.1	2.5	2.9	2.9	3.3
No previous work experience	9.2	11.7	--	--	--	--	--	--

<sup>1</sup> Percent not shown where base is less than 75,000.

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

Reason for unemployment	Total unemployed		Males, 20 years and over		Females, 20 years and over		Both sexes, 16 to 19 years		White		Black and other	
	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed, in thousands.....	6,846	7,396	3,236	3,321	2,324	2,533	1,286	1,541	5,359	5,767	1,487	1,629
Job losers.....	3,687	3,945	2,361	2,378	1,003	1,219	323	348	2,949	3,154	738	792
On layoff.....	1,415	1,285	973	804	363	406	79	75	1,191	1,112	224	173
Other job losers.....	2,272	2,660	1,388	1,574	640	813	244	273	1,758	2,042	514	619
Job leavers.....	823	780	329	335	360	338	135	107	663	629	160	151
Reentrants.....	1,705	1,805	473	525	836	869	396	411	1,289	1,360	416	445
New entrants.....	631	865	74	83	124	107	432	676	458	624	173	241
<b>PERCENT DISTRIBUTION</b>												
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.....	53.9	53.4	73.0	71.6	43.1	48.1	25.1	22.6	55.0	54.7	49.7	48.6
On layoff.....	20.7	17.4	30.1	24.2	15.6	16.0	6.2	4.9	22.2	19.3	15.1	10.6
Other job losers.....	33.2	36.0	42.9	47.4	27.5	32.1	18.9	17.7	32.8	35.4	34.6	38.0
Job leavers.....	12.0	10.5	10.2	10.1	15.5	13.3	10.5	6.9	12.4	10.9	10.8	9.3
Reentrants.....	24.9	24.4	14.6	15.8	36.0	34.3	30.8	26.7	24.1	23.6	28.0	27.3
New entrants.....	9.2	11.7	2.3	2.5	5.3	4.2	33.6	43.8	8.5	10.8	11.6	14.8
<b>UNEMPLOYMENT RATE</b>												
Total unemployment rate.....	6.6	7.0	5.9	6.0	5.8	6.1	15.2	18.2	5.9	6.2	12.2	12.9
Job loser rate <sup>1</sup> .....	3.6	3.7	4.3	4.2	2.5	3.0	3.8	4.1	3.2	3.4	6.0	6.3
Job leaver rate <sup>1</sup> .....	.8	.7	.6	.6	.9	.8	1.6	1.3	.7	.7	1.3	1.2
Reentrant rate <sup>1</sup> .....	1.6	1.7	.9	.9	2.1	2.1	4.7	4.9	1.4	1.5	3.4	3.5
New entrant rate <sup>1</sup> .....	.6	.8	.1	.1	.3	.3	5.1	8.0	.5	.7	1.4	1.9

<sup>1</sup> 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	April 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
<b>Total, 16 years and over.....</b>	<b>7,396</b>	<b>100.0</b>	<b>36.7</b>	<b>28.2</b>	<b>35.1</b>	<b>18.5</b>	<b>16.6</b>
Job losers.....	3,945	100.0	29.4	27.3	43.4	23.1	20.3
On layoff.....	1,285	100.0	37.9	22.9	39.2	22.3	16.9
Other job losers.....	2,660	100.0	25.2	29.4	45.4	23.5	21.9
Job leavers.....	780	100.0	39.4	32.7	28.0	16.9	11.1
Reentrants.....	1,805	100.0	45.3	30.6	24.1	12.6	11.5
New entrants.....	865	100.0	50.2	23.1	26.7	11.3	15.3
<b>Males, 20 years and over.....</b>	<b>3,321</b>	<b>100.0</b>	<b>29.2</b>	<b>26.5</b>	<b>44.3</b>	<b>23.0</b>	<b>21.3</b>
Job losers.....	2,378	100.0	26.1	26.5	47.4	24.9	22.5
On layoff.....	804	100.0	31.4	23.5	45.1	27.1	18.0
Other job losers.....	1,574	100.0	23.4	28.0	48.6	23.8	24.8
Job leavers.....	335	100.0	37.4	28.1	34.5	19.7	14.8
Reentrants.....	525	100.0	36.4	27.0	36.6	18.1	18.5
New entrants.....	83	100.0	38.6	17.3	44.1	11.2	32.9
<b>Females, 20 years and over.....</b>	<b>2,533</b>	<b>100.0</b>	<b>39.3</b>	<b>31.8</b>	<b>28.9</b>	<b>15.4</b>	<b>13.5</b>
Job losers.....	1,219	100.0	31.3	30.5	38.3	19.9	18.3
On layoff.....	406	100.0	44.8	24.7	30.5	13.5	17.0
Other job losers.....	813	100.0	24.5	33.4	42.1	23.1	19.0
Job leavers.....	338	100.0	35.7	36.9	27.4	16.6	10.8
Reentrants.....	869	100.0	50.8	32.2	17.0	9.5	7.6
New entrants.....	107	100.0	50.0	26.8	23.2	7.4	15.9
<b>Both sexes, 16 to 19 years.....</b>	<b>1,541</b>	<b>100.0</b>	<b>48.0</b>	<b>25.8</b>	<b>25.4</b>	<b>14.0</b>	<b>11.4</b>
Job losers.....	348	100.0	44.8	21.3	33.9	21.7	12.2
On layoff.....	75	100.0	69.8	6.4	23.8	18.1	5.7
Other job losers.....	273	100.0	37.9	25.4	36.7	22.7	14.0
Job leavers.....	107	100.0	57.5	33.4	9.1	8.8	.2
Reentrants.....	411	100.0	44.9	32.0	23.1	12.2	10.9
New entrants.....	676	100.0	51.7	23.2	25.1	12.0	13.1

# HOUSEHOLD DATA

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

Sex, age, and race	April 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	
<b>Total, 16 years and over</b> .....	7,396	6,007	27.5	6.4	72.7	30.3	13.5	6.5	1.57
16 to 19 years .....	1,541	1,453	18.4	3.2	80.0	25.1	10.7	4.5	1.42
20 to 24 years .....	1,766	1,488	31.5	5.9	75.3	31.9	14.7	4.1	1.63
25 to 34 years .....	1,933	1,477	30.7	7.5	70.1	33.5	14.6	6.2	1.63
35 to 44 years .....	1,029	771	26.8	9.7	69.6	33.1	13.1	12.5	1.65
45 to 54 years .....	600	437	35.7	8.9	60.9	31.1	14.9	7.3	1.59
55 to 64 years .....	421	294	29.6	7.5	65.3	27.9	14.6	10.9	1.56
65 years and over .....	105	88	18.2	6.8	62.5	17.0	11.4	17.0	1.33
<b>Males, 16 years and over</b> .....	4,166	3,250	29.0	6.5	73.3	27.9	15.9	8.2	1.61
16 to 19 years .....	845	793	19.9	4.2	79.1	20.7	14.0	5.9	1.44
20 to 24 years .....	1,049	844	31.0	6.6	75.1	33.3	17.5	4.5	1.68
25 to 34 years .....	1,077	772	35.0	7.9	73.1	33.2	15.0	8.0	1.72
35 to 44 years .....	561	388	30.7	8.0	71.6	28.4	17.8	15.7	1.72
45 to 54 years .....	331	231	35.1	7.4	64.5	22.9	18.6	10.8	1.59
55 to 64 years .....	250	171	28.1	7.6	57.3	21.6	13.5	14.6	1.43
65 years and over .....	54	52	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>Females, 16 years and over</b> .....	3,229	2,757	25.8	6.4	72.1	33.2	10.6	4.4	1.52
16 to 19 years .....	696	660	16.5	2.0	81.1	30.5	6.8	2.7	1.40
20 to 24 years .....	717	643	32.0	4.8	75.7	30.2	10.9	3.6	1.57
25 to 34 years .....	856	705	26.1	7.1	67.0	33.9	14.2	4.1	1.52
35 to 44 years .....	468	383	23.0	11.5	67.6	37.6	8.4	9.4	1.57
45 to 54 years .....	269	206	36.4	10.7	57.3	40.3	10.7	3.4	1.59
55 to 64 years .....	172	123	31.7	8.1	75.6	35.8	15.4	5.7	1.72
65 years and over .....	51	37	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>White, 16 years and over</b> .....	5,767	4,561	25.1	6.5	73.7	32.0	12.7	6.4	1.56
Males .....	3,323	2,513	27.1	6.3	73.8	29.6	15.4	8.0	1.60
Females .....	2,444	2,048	22.8	6.8	73.6	35.0	9.4	4.3	1.52
<b>Black and other, 16 years and over</b> .....	1,629	1,446	35.1	6.1	69.6	25.1	15.9	7.0	1.59
Males .....	844	737	35.5	7.2	71.4	22.0	17.9	9.1	1.63
Females .....	785	709	34.6	5.1	67.7	28.2	13.8	4.7	1.54

<sup>1</sup> 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	April 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	
<b>Total, 16 years and over</b> .....	7,396	6,007	27.5	6.4	72.7	30.3	13.5	6.5	1.57
Job losers .....	3,945	2,649	34.7	7.3	73.7	31.9	15.8	6.5	1.70
Job leavers .....	780	789	23.7	6.6	73.6	40.9	13.4	2.7	1.61
Reentrants .....	1,805	1,707	25.0	6.1	67.1	27.8	11.7	8.2	1.46
New entrants .....	865	862	13.9	4.2	80.3	21.0	9.7	6.7	1.36
<b>Males, 16 years and over</b> .....	4,166	3,250	29.0	6.5	73.3	27.9	15.9	8.2	1.61
Job losers .....	2,610	1,739	34.4	7.0	74.2	29.4	17.3	8.1	1.71
Job leavers .....	391	400	23.7	7.0	76.7	38.5	13.7	2.2	1.62
Reentrants .....	741	686	27.6	5.4	66.2	25.5	15.9	12.0	1.52
New entrants .....	424	425	14.1	5.4	77.6	15.5	12.5	8.5	1.34
<b>Females, 16 years and over</b> .....	3,229	2,757	25.8	6.4	72.1	33.2	10.6	4.4	1.52
Job losers .....	1,335	909	35.2	7.7	72.6	36.5	13.0	3.3	1.68
Job leavers .....	388	388	24.0	6.2	70.9	43.6	13.4	3.1	1.61
Reentrants .....	1,064	1,023	23.3	6.6	67.6	29.3	8.9	5.9	1.42
New entrants .....	442	437	13.7	3.0	82.8	26.1	7.1	4.8	1.38

NOTE: See note, table A-15.

## A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981
<b>Total, 16 years and over</b> .....	6,846	7,396	100.0	100.0	5,594	6,065	100.0	100.0
Less than 5 weeks .....	2,872	2,717	42.0	36.7	2,129	2,007	38.1	33.1
5 to 14 weeks .....	2,004	2,083	29.3	28.2	1,665	1,682	29.8	27.7
5 to 10 weeks .....	1,404	1,493	20.5	20.1	1,165	1,195	20.8	19.7
11 to 14 weeks .....	600	592	8.8	8.0	500	487	8.9	8.0
15 weeks and over .....	1,970	2,596	28.8	35.1	1,800	2,376	32.2	39.2
15 to 26 weeks .....	1,228	1,368	17.9	18.5	1,134	1,251	20.3	20.6
27 weeks and over .....	742	1,228	10.8	16.6	665	1,125	11.9	19.5
27 to 51 weeks .....	429	672	6.3	9.1	380	605	6.8	10.0
52 weeks and over .....	314	556	4.6	7.5	285	520	5.1	8.6
Average (mean) duration, in weeks .....	12.7	15.5	--	--	13.7	16.9	--	--
Median duration, in weeks .....	6.8	8.9	--	--	8.1	10.1	--	--

## 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			Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981
	April 1981										
<b>Total, 16 years and over</b> .....	7,396	2,717	2,083	1,368	1,228	15.5	8.9	42.0	36.7	28.8	35.1
16 to 21 years .....	2,298	1,030	622	362	284	12.4	6.5	46.8	44.8	21.8	28.1
16 to 19 years .....	1,541	751	398	216	176	11.3	5.4	52.2	48.8	18.8	25.4
20 to 24 years .....	1,766	625	526	346	270	15.1	8.8	38.3	35.4	27.6	34.9
25 to 34 years .....	1,933	677	541	389	325	16.3	9.4	41.1	35.1	31.1	37.0
35 to 44 years .....	1,029	315	311	216	188	17.6	10.6	38.9	30.6	33.2	39.3
45 to 54 years .....	600	200	159	97	144	18.8	11.4	41.7	33.3	34.3	40.2
55 to 64 years .....	421	113	121	89	98	18.6	11.8	33.2	26.8	36.7	44.5
65 years and over .....	105	36	28	15	25	18.9	10.0	49.9	33.8	24.4	35.3
<b>Males, 16 years and over</b> .....	4,166	1,331	1,125	885	825	17.6	10.6	37.4	31.9	33.3	41.1
16 to 21 years .....	1,280	511	353	222	194	13.9	7.5	43.3	39.9	26.0	32.4
16 to 19 years .....	845	362	245	122	116	12.7	6.8	49.2	42.8	22.6	28.2
20 to 24 years .....	1,049	332	280	246	191	17.2	10.6	33.3	31.7	32.0	41.7
25 to 34 years .....	1,077	322	284	244	227	18.5	12.0	35.0	29.9	35.7	43.7
35 to 44 years .....	561	148	150	144	119	19.5	13.4	34.5	26.4	36.6	46.8
45 to 54 years .....	331	90	88	60	93	22.3	13.7	38.0	27.2	41.1	46.1
55 to 64 years .....	250	60	66	63	61	19.8	14.6	31.8	24.1	42.0	49.6
65 years and over .....	54	17	12	9	18	23.9	14.0	(1)	(1)	(1)	(1)
<b>Females, 16 years and over</b> .....	3,229	1,386	958	483	402	12.9	7.1	48.1	42.9	22.7	27.4
16 to 21 years .....	1,018	519	268	141	90	10.4	4.9	51.4	51.0	16.2	22.7
16 to 19 years .....	696	390	153	94	60	9.6	4.5	55.8	55.9	14.2	22.1
20 to 24 years .....	717	293	246	100	79	12.1	7.4	45.9	40.8	21.0	24.9
25 to 34 years .....	856	355	257	145	99	13.5	6.9	49.7	41.5	24.5	28.5
35 to 44 years .....	468	166	160	72	69	15.3	8.9	43.9	35.5	29.4	30.2
45 to 54 years .....	269	110	70	37	51	14.5	8.6	46.2	40.9	26.1	32.9
55 to 64 years .....	172	53	55	27	37	16.9	10.1	35.4	30.8	28.0	37.2
65 years and over .....	51	19	15	9	7	13.5	7.6	(1)	(1)	(1)	(1)
<b>White, 16 years and over</b> .....	5,767	2,155	1,669	1,073	870	14.6	8.5	41.4	37.4	28.6	33.7
Males .....	3,323	1,073	913	740	597	16.6	10.4	36.7	32.3	33.2	40.2
Females .....	2,444	1,082	756	333	274	11.8	6.5	48.0	44.3	21.9	24.8
<b>Black and other, 16 years and over</b> .....	1,629	562	414	295	357	18.8	10.4	44.0	34.5	29.5	40.1
Males .....	844	258	212	145	229	21.1	11.9	40.1	30.6	33.5	44.3
Females .....	785	304	202	150	129	16.2	9.2	48.4	38.8	25.0	35.5
<b>Males, 16 years and over:</b>											
Married, spouse present .....	1,581	406	393	426	356	19.8	14.7	33.9	25.7	36.7	49.5
Widowed, divorced, or separated .....	478	162	144	75	97	17.9	10.1	41.7	33.9	34.2	36.0
Single (never married) .....	2,108	763	588	384	373	15.8	8.8	39.7	36.2	29.8	35.9
<b>Females, 16 years and over:</b>											
Married, spouse present .....	1,343	538	459	175	171	12.9	7.4	50.6	40.1	21.9	25.8
Widowed, divorced, or separated .....	634	242	194	114	94	15.0	8.6	41.7	38.2	28.6	32.8
Single (never married) .....	1,252	606	314	194	137	11.8	5.6	48.8	48.4	20.2	26.5

<sup>1</sup> Percent not shown where base is less than 75,000.

# HOUSEHOLD DATA

## 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			Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981
	April 1981										
<b>OCCUPATION</b>											
White-collar workers .....	1,924	704	614	345	262	14.1	8.4	44.5	36.6	23.8	31.5
Professional and managerial .....	691	249	224	123	95	14.3	8.0	44.1	36.0	29.2	31.7
Sales workers .....	250	87	72	66	26	12.7	9.7	45.3	34.7	25.1	36.7
Clerical workers .....	983	369	318	155	141	14.2	8.3	44.5	37.5	19.9	30.2
Blue-collar workers .....	3,349	1,056	869	732	691	18.0	11.1	36.9	31.5	34.7	42.5
Craft and kindred workers .....	955	276	264	226	189	17.7	11.5	35.6	28.9	33.1	43.5
Operatives, except transport .....	1,350	444	358	244	304	18.1	10.5	40.7	32.9	31.3	40.6
Transport equipment operatives .....	324	89	68	95	72	21.4	15.7	30.9	27.5	46.2	51.6
Nonfarm laborers .....	721	247	180	167	126	16.7	10.6	34.3	34.3	37.6	40.7
Service workers .....	1,146	478	369	171	128	12.6	7.0	46.2	41.7	22.2	26.1
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	149	67	35	31	15	11.3	7.6	46.4	45.1	25.7	31.3
Construction .....	827	234	235	249	109	15.9	11.6	29.5	28.3	38.2	43.3
Manufacturing .....	1,746	541	461	303	440	19.4	10.9	41.3	31.0	32.1	42.6
Durable goods .....	1,031	267	288	169	306	21.8	13.0	42.9	25.9	32.3	46.1
Nondurable goods .....	715	274	173	134	134	16.1	8.7	38.7	38.3	31.6	37.5
Transportation and public utilities .....	326	127	75	60	64	18.0	8.2	32.9	38.9	39.6	38.1
Wholesale and retail trade .....	1,396	500	462	273	161	13.5	8.5	41.5	35.8	22.7	31.1
Finance and service industries .....	1,629	647	497	260	228	14.0	8.2	47.8	39.7	23.2	29.9
Public administration .....	246	84	58	48	55	17.6	11.3	34.2	34.3	38.3	42.0
No previous work experience .....	867	436	198	99	133	13.4	5.0	52.7	50.4	23.0	26.7

<sup>1</sup> Includes wage and salary workers only.

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

[In thousands]

Industry and age	Total		Males		Females	
	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981
<b>All industries .....</b>	<b>96,566</b>	<b>98,282</b>	<b>55,458</b>	<b>56,070</b>	<b>41,108</b>	<b>42,212</b>
16 to 19 years .....	7,174	6,932	3,853	3,659	3,321	3,273
16 to 17 years .....	2,773	2,673	1,524	1,408	1,249	1,265
18 to 19 years .....	4,401	4,259	2,329	2,251	2,073	2,008
20 to 24 years .....	13,375	13,467	7,141	7,100	6,234	6,367
25 to 64 years .....	61,660	63,478	35,732	36,569	25,929	26,909
25 to 34 years .....	26,149	27,231	15,041	15,649	11,108	11,582
35 to 44 years .....	19,252	19,782	11,072	11,319	8,179	8,463
45 to 54 years .....	16,259	16,465	9,617	9,601	6,642	6,864
55 to 64 years .....	11,423	11,417	6,920	6,892	4,503	4,525
65 to 69 years .....	7,040	7,073	4,209	4,267	2,830	2,806
70 to 84 years .....	4,384	4,344	2,711	2,624	1,673	1,720
85 years and over .....	2,934	2,988	1,813	1,851	1,121	1,137
<b>Nonagricultural industries .....</b>	<b>93,485</b>	<b>95,026</b>	<b>52,951</b>	<b>53,423</b>	<b>40,535</b>	<b>41,603</b>
16 to 19 years .....	6,863	6,549	3,601	3,333	3,262	3,216
16 to 17 years .....	2,607	2,486	1,396	1,246	1,211	1,240
18 to 19 years .....	4,256	4,063	2,205	2,087	2,050	1,976
20 to 24 years .....	13,023	13,087	6,853	6,779	6,171	6,308
25 to 64 years .....	60,050	61,788	34,469	35,252	25,581	26,536
25 to 34 years .....	25,555	26,588	14,560	15,135	10,995	11,453
35 to 44 years .....	18,710	19,241	10,666	10,918	8,044	8,323
45 to 54 years .....	15,785	15,959	9,243	9,199	6,541	6,760
55 to 64 years .....	10,905	10,939	6,484	6,491	4,421	4,448
65 to 69 years .....	6,757	6,814	3,977	4,055	2,780	2,759
70 to 84 years .....	4,148	4,125	2,507	2,436	1,640	1,689
85 years and over .....	2,645	2,663	1,544	1,569	1,101	1,094
<b>Agriculture .....</b>	<b>3,081</b>	<b>3,257</b>	<b>2,507</b>	<b>2,648</b>	<b>574</b>	<b>609</b>
16 to 19 years .....	311	383	252	326	60	57
16 to 17 years .....	166	187	128	162	37	25
18 to 19 years .....	146	196	123	164	22	32
20 to 24 years .....	352	380	288	321	64	59
25 to 64 years .....	1,611	1,690	1,263	1,318	349	373
25 to 34 years .....	595	643	482	514	113	129
35 to 44 years .....	542	542	407	401	135	140
45 to 54 years .....	475	506	374	402	101	103
55 to 64 years .....	518	478	436	401	83	77
65 to 69 years .....	282	259	232	212	50	47
70 to 84 years .....	236	219	203	189	33	31
85 years and over .....	289	325	269	282	19	43



**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	
	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981
<b>TOTAL</b> .....	96,566	98,282	51,605	52,411	37,787	38,939	3,853	3,659	3,321	3,273
White-collar workers .....	50,474	51,784	22,781	23,279	25,298	26,184	652	628	1,744	1,693
Professional and technical .....	15,775	16,022	8,675	8,752	6,941	7,095	78	91	81	84
Health workers .....	2,962	3,015	933	947	2,006	2,044	7	6	16	17
Teachers, except college .....	3,291	3,240	952	968	2,320	2,258	7	5	12	9
Other professional and technical .....	9,522	9,767	6,790	6,837	2,615	2,793	64	80	53	58
Managers and administrators, except farm .....	10,552	11,204	7,690	8,137	2,764	2,983	50	49	48	35
Salaried workers .....	8,707	9,293	6,331	6,700	2,285	2,511	48	48	42	33
Self-employed workers in retail trade .....	897	845	569	541	323	302	--	1	4	2
Self-employed workers, except retail trade .....	948	1,065	789	896	155	170	2	--	2	--
Sales workers .....	6,036	6,120	3,159	3,169	2,262	2,381	235	206	379	363
Retail trade .....	3,063	3,053	1,004	973	1,553	1,616	161	137	344	326
Other industries .....	2,973	3,067	2,155	2,196	709	765	74	69	35	37
Clerical workers .....	18,111	18,439	3,256	3,222	13,330	13,725	289	281	1,236	1,211
Stenographers, typists, and secretaries .....	4,955	5,090	62	93	4,588	4,729	12	4	293	265
Other clerical workers .....	13,156	13,349	3,194	3,129	8,742	8,996	277	277	943	946
Blue-collar workers .....	30,550	30,572	22,964	23,043	5,269	5,351	1,989	1,876	328	302
Craft and kindred workers .....	12,581	12,498	11,425	11,350	666	750	433	373	37	25
Carpenters .....	1,115	1,124	1,055	1,052	11	26	48	45	2	2
Construction craft workers, except carpenters .....	2,578	2,459	2,441	2,360	48	38	87	60	2	2
Mechanics and repairers .....	3,462	3,376	3,229	3,159	65	61	158	153	9	2
Metal craft workers .....	1,330	1,355	1,239	1,264	48	60	41	32	1	--
Blue-collar worker supervisors, not elsewhere classified .....	1,663	1,755	1,484	1,561	167	176	10	13	3	4
All other .....	2,434	2,429	1,977	1,953	347	388	89	70	20	17
Operatives, except transport .....	10,221	10,282	5,556	5,690	3,867	3,894	585	536	213	163
Durable goods manufacturing .....	4,681	4,544	2,911	2,829	1,513	1,515	178	140	79	60
Nondurable goods manufacturing .....	3,207	3,262	1,200	1,336	1,797	1,764	115	101	94	67
Other industries .....	2,334	2,475	1,444	1,530	557	614	292	295	40	36
Transport equipment operatives .....	3,469	3,384	3,032	2,932	269	289	159	150	8	14
Drivers, motor vehicles .....	2,965	2,892	2,564	2,475	254	268	139	135	8	14
All other .....	504	492	468	457	15	21	20	15	1	--
Nonfarm laborers .....	4,280	4,408	2,950	3,072	448	419	812	817	69	100
Construction .....	771	749	637	676	12	5	121	71	1	2
Manufacturing .....	937	914	714	692	148	143	70	72	6	6
Other industries .....	2,572	2,745	1,599	1,710	289	270	621	673	63	92
Service workers .....	13,015	13,268	3,966	4,127	6,836	7,000	1,010	902	1,203	1,239
Private household workers .....	1,038	977	14	32	842	750	11	8	172	186
Service workers, except private household .....	11,977	12,291	3,952	4,095	5,994	6,250	999	894	1,032	1,053
Food service workers .....	4,484	4,635	880	932	2,248	2,350	638	622	718	732
Protective service workers .....	1,395	1,471	1,253	1,296	123	155	12	12	7	8
All other .....	6,098	6,185	1,819	1,867	3,623	3,745	349	260	307	313
Farm workers .....	2,527	2,658	1,895	1,962	384	404	202	253	46	39
Farmers and farm managers .....	1,423	1,425	1,262	1,271	147	136	12	16	1	--
Farm laborers and supervisors .....	1,104	1,234	632	691	237	267	190	237	45	39
Paid workers .....	860	988	603	654	101	127	131	181	25	26
Unpaid family workers .....	244	246	30	37	136	140	59	57	20	13

# HOUSEHOLD DATA

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

[Percent distribution]

Occupation and race	Total		Males		Females	
	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981
<b>TOTAL</b>						
Total, 16 years and over (thousands)	96,566	98,282	55,458	56,070	41,108	42,212
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.3	52.7	42.3	42.6	65.8	66.0
Professional and technical	16.3	16.3	15.8	15.8	17.1	17.0
Managers and administrators, except farm	10.9	11.4	14.0	14.6	6.8	7.1
Sales workers	6.3	6.2	6.1	6.0	6.4	6.5
Clerical workers	18.8	18.8	6.4	6.2	35.4	35.4
Blue-collar workers	31.6	31.1	45.0	44.4	13.6	13.4
Craft and kindred workers	13.0	12.7	21.4	20.9	1.8	1.8
Operatives, except transport	10.6	10.5	11.1	11.1	9.9	9.6
Transport equipment operatives	3.6	3.4	5.8	5.5	.7	.7
Nonfarm laborers	4.4	4.5	6.8	6.9	1.3	1.2
Service workers	13.5	13.5	9.0	9.0	19.6	19.5
Private household workers	1.1	1.0	(1)	.1	2.5	2.2
Other service workers	12.4	12.5	8.9	8.9	17.1	17.3
Farm workers	2.6	2.7	3.8	4.0	1.0	1.0
Farmers and farm managers	1.5	1.4	2.3	2.3	.4	.3
Farm laborers and supervisors	1.1	1.3	1.5	1.7	.7	.7
<b>White</b>						
Total, 16 years and over (thousands)	85,886	87,262	49,911	50,394	35,975	36,867
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	53.9	54.3	43.9	44.2	67.9	68.0
Professional and technical	16.8	16.7	16.3	16.3	17.4	17.4
Managers and administrators, except farm	11.7	12.2	14.8	15.5	7.3	7.6
Sales workers	6.7	6.7	6.5	6.4	6.9	7.0
Clerical workers	18.8	18.7	6.2	6.1	36.2	36.0
Blue-collar workers	31.2	30.7	44.1	43.6	13.2	13.0
Craft and kindred workers	13.4	13.1	21.8	21.3	1.8	1.9
Operatives, except transport	10.1	10.1	10.7	10.7	9.4	9.2
Transport equipment operatives	3.4	3.2	5.4	5.1	.7	.7
Nonfarm laborers	4.2	4.3	6.2	6.5	1.3	1.2
Service workers	12.2	12.3	8.2	8.1	17.8	17.9
Private household workers	.8	.7	(1)	.1	1.9	1.7
Other service workers	11.4	11.5	8.1	8.1	16.0	16.2
Farm workers	2.7	2.8	3.9	4.0	1.1	1.1
Farmers and farm managers	1.6	1.6	2.5	2.5	.4	.4
Farm laborers and supervisors	1.1	1.2	1.4	1.5	.7	.7
<b>Black and other</b>						
Total, 16 years and over (thousands)	10,680	11,020	5,547	5,676	5,134	5,344
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	39.1	40.1	27.7	28.5	51.3	52.5
Professional and technical	12.8	13.0	11.0	11.5	14.9	14.6
Managers and administrators, except farm	4.8	5.2	6.0	6.6	3.5	3.8
Sales workers	2.8	2.8	2.7	2.5	2.9	3.1
Clerical workers	18.6	19.1	8.1	8.0	30.0	31.0
Blue-collar workers	35.5	34.6	53.0	51.9	16.6	16.2
Craft and kindred workers	9.7	9.5	17.3	17.0	1.5	1.5
Operatives, except transport	14.1	13.7	14.8	14.7	13.4	12.6
Transport equipment operatives	5.0	5.2	9.1	9.3	.6	.8
Nonfarm laborers	6.7	6.2	11.8	10.9	1.1	1.3
Service workers	23.6	23.3	16.2	16.4	31.6	30.6
Private household workers	3.3	3.0	.1	.2	6.7	6.0
Other service workers	20.3	20.3	16.1	16.2	24.9	24.7
Farm workers	1.8	2.0	3.1	3.2	.5	.7
Farmers and farm managers	.3	.3	.5	.6	.1	(1)
Farm laborers and supervisors	1.5	1.7	2.5	2.6	.4	.7

<sup>1</sup> 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	April 1981								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	87,739	1,176	15,831	70,732	6,965	322	1,431	1,569	257
16 to 19 years	6,438	282	429	5,728	86	26	282	31	69
16 to 17 years	2,417	183	132	2,102	52	16	128	14	45
18 to 19 years	4,021	99	297	3,625	33	9	155	17	24
20 to 24 years	12,757	98	1,409	11,251	314	16	250	100	30
25 to 34 years	24,911	157	4,557	20,197	1,602	74	356	257	30
35 to 44 years	17,442	129	3,782	13,530	1,726	74	211	286	45
45 to 54 years	14,321	170	3,199	10,952	1,562	75	140	320	46
55 to 64 years	9,776	205	2,115	7,456	1,126	37	130	322	25
65 to 69 years	6,129	114	1,345	4,669	664	21	60	181	18
70 to 74 years	3,647	91	770	2,786	461	17	71	141	7
75 years and over	2,093	135	339	1,619	550	20	61	252	12
Males, 16 years and over	48,579	216	7,648	40,715	4,806	38	1,151	1,404	93
16 to 19 years	3,261	89	171	3,001	54	18	238	31	56
16 to 17 years	1,195	65	57	1,073	35	15	112	14	37
18 to 19 years	2,066	24	113	1,928	19	3	127	17	20
20 to 24 years	6,553	23	588	5,943	218	7	207	91	23
25 to 34 years	14,075	15	2,116	11,944	1,059	--	274	232	7
35 to 44 years	9,706	22	1,795	7,888	1,208	4	152	246	4
45 to 54 years	8,108	10	1,662	6,436	1,088	3	118	284	--
55 to 64 years	5,696	22	1,116	4,558	793	1	106	294	--
65 to 69 years	3,593	14	707	2,872	462	--	52	160	--
70 to 74 years	2,103	7	409	1,687	331	1	54	134	--
75 years and over	1,179	34	200	945	385	4	55	225	2
Females, 16 years and over	39,160	960	8,184	30,017	2,159	284	280	165	164
16 to 19 years	3,177	193	258	2,726	32	7	44	--	13
16 to 17 years	1,222	118	75	1,029	17	1	16	--	8
18 to 19 years	1,955	74	183	1,697	14	6	28	--	4
20 to 24 years	6,204	75	821	5,308	96	8	42	9	7
25 to 34 years	10,836	142	2,442	8,253	543	74	82	25	23
35 to 44 years	7,736	107	1,987	5,642	517	70	59	40	41
45 to 54 years	6,213	160	1,537	4,516	474	73	22	36	45
55 to 64 years	4,080	183	1,000	2,897	332	36	24	28	25
65 to 69 years	2,536	100	639	1,798	202	21	8	21	18
70 to 74 years	1,544	83	361	1,100	130	15	17	7	7
75 years and over	914	101	139	674	165	16	7	27	10

A-24. Employed persons by industry and occupation

[In thousands]

Industry	April 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	3,257	77	33	14	82	55	17	15	287	--	17	2,658
Mining	1,071	143	86	8	142	245	359	57	25	--	6	--
Construction	5,809	204	756	30	495	3,172	217	147	749	--	39	--
Manufacturing	21,507	2,466	1,718	522	2,662	4,168	7,807	776	914	--	474	--
Durable goods	12,979	1,699	975	161	1,545	2,833	4,544	392	543	--	287	--
Nondurable goods	8,528	767	744	361	1,118	1,335	3,262	384	370	--	187	--
Transportation and public utilities	6,349	594	689	71	1,525	1,392	154	1,391	387	--	146	--
Wholesale and retail trade	20,023	421	3,823	4,016	3,547	1,473	966	733	1,290	--	3,754	--
Wholesale trade	3,989	176	794	964	790	375	199	371	298	--	23	--
Retail trade	16,033	245	3,028	3,053	2,757	1,098	767	362	993	--	3,731	--
Finance, insurance, and real estate	5,965	340	1,142	1,278	2,807	88	8	14	68	--	219	--
Services	29,074	10,748	2,250	179	5,331	1,616	719	207	545	977	6,504	--
Private households	1,235	21	--	--	19	7	5	3	168	977	36	--
Other service industries	27,839	10,727	2,250	179	5,312	1,609	714	204	377	--	6,468	--
Public administration	5,228	1,027	706	1	1,848	289	36	44	144	--	1,134	--

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

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
			Total		Wage and salary workers <sup>1</sup>			
	Apr. 1980				Apr. 1981		Paid absence <sup>2</sup>	
			Apr. 1980	Apr. 1981			Apr. 1980	Apr. 1981
Total, 16 years and over	5,357	5,798	5,243	5,726	2,554	3,059	2,127	2,112
Vacation	2,761	3,268	2,739	3,237	1,833	2,214	728	827
Illness	1,445	1,380	1,411	1,354	544	600	739	635
Bad weather	141	61	110	55	--	--	--	--
Industrial dispute	146	140	146	140	--	--	--	--
All other reasons	863	950	837	940	176	245	660	649
Males, 16 years and over	2,729	2,757	2,636	2,693	1,355	1,486	928	884
Vacation	1,286	1,458	1,268	1,432	964	1,072	203	243
Illness	775	705	747	682	305	314	359	308
All other reasons <sup>3</sup>	667	594	621	579	86	99	365	333
Females, 16 years and over	2,628	3,041	2,607	3,033	1,199	1,572	1,199	1,228
Vacation	1,475	1,810	1,470	1,806	869	1,141	525	584
Illness	669	674	664	672	239	285	379	328
All other reasons <sup>3</sup>	484	556	473	555	90	146	295	316

<sup>1</sup> Excludes private household workers.

<sup>3</sup> Includes bad weather and industrial dispute, not shown separately.

<sup>2</sup> 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	April 1981					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total, 16 years and over	92,484	89,300	3,184	100.0	100.0	100.0
1-34 hours	30,961	29,975	985	33.5	33.6	30.9
1-4 hours	818	781	37	.9	.9	1.2
5-14 hours	4,529	4,305	224	4.9	4.8	7.0
15-29 hours	12,646	12,162	484	13.7	13.6	15.2
30-34 hours	12,968	12,727	240	14.0	14.3	7.5
35 hours and over	61,523	59,325	2,199	66.5	66.4	69.1
35-39 hours	6,766	6,600	167	7.3	7.4	5.2
40 hours	34,704	34,209	495	37.5	38.3	15.5
41 hours and over	20,053	18,516	1,537	21.7	20.7	48.3
41 to 48 hours	7,502	7,234	268	8.1	8.1	8.4
49 to 59 hours	6,917	6,511	406	7.5	7.3	12.8
60 hours and over	5,634	4,771	863	6.1	5.3	27.1
Average hours, total at work	37.2	36.9	44.2	--	--	--
Average hours, workers on full-time schedules	41.4	41.1	52.6	--	--	--

**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	April 1981					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
<b>Total, 16 years and over</b> . . . . .	30,961	14,814	16,147	29,975	14,508	15,467
<b>Economic reasons</b> . . . . .	3,968	1,622	2,346	3,748	1,509	2,239
Slack work . . . . .	2,080	1,317	763	1,918	1,215	703
Material shortages or repairs to plant and equipment . . . . .	53	53	--	49	49	--
New job started during week . . . . .	169	169	--	163	163	--
Job terminated during week . . . . .	83	83	--	81	81	--
Could find only part-time work . . . . .	1,582	--	1,582	1,535	--	1,535
<b>Other reasons</b> . . . . .	26,992	13,191	13,801	26,229	13,001	13,228
Does not want, or unavailable for, full-time work . . . . .	11,781	--	11,781	11,330	--	11,330
Vacation . . . . .	1,529	1,529	--	1,522	1,522	--
Illness . . . . .	1,414	1,260	154	1,359	1,226	133
Bad weather . . . . .	297	297	--	227	227	--
Industrial dispute . . . . .	23	23	--	23	23	--
Legal or religious holiday . . . . .	8,750	8,750	--	8,713	8,713	--
Full time for this job . . . . .	1,336	--	1,336	1,289	--	1,289
All other reasons . . . . .	1,863	1,332	531	1,763	1,287	476
<b>Average hours:</b>						
Economic reasons . . . . .	21.6	24.0	20.0	21.6	24.0	20.0
Other reasons . . . . .	23.5	28.8	18.5	23.6	28.8	18.5
<b>Worked 30 to 34 hours:</b>						
Economic reasons . . . . .	1,182	662	520	1,113	611	502
Other reasons . . . . .	11,786	9,572	2,214	11,614	9,492	2,122

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

[Numbers in thousands]

Industry	April 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				
<b>Total, 16 years and over</b> <sup>1</sup> . . . . .	89,300	3,748	13,228	72,324	53,808	7,234	11,282	36.9	41.1	
<b>Wage and salary workers</b> . . . . .	82,525	3,225	12,005	67,295	51,481	6,737	9,077	36.6	40.5	
Construction . . . . .	4,490	306	203	3,981	3,080	366	535	38.5	40.9	
Manufacturing . . . . .	20,062	568	759	18,735	15,223	1,750	1,762	37.9	39.0	
Durable goods . . . . .	12,107	237	321	11,549	9,467	1,018	1,064	38.2	39.0	
Nondurable goods . . . . .	7,955	331	438	7,186	5,756	732	698	37.5	39.2	
Transportation and public utilities . . . . .	5,691	144	377	5,170	3,832	520	818	39.4	41.3	
Wholesale and retail trade . . . . .	17,270	1,053	4,634	11,583	7,722	1,702	2,159	35.1	42.5	
Finance, insurance, and real estate . . . . .	5,309	98	528	4,683	3,782	385	516	37.6	39.9	
Service industries . . . . .	23,878	978	5,213	17,687	13,639	1,501	2,547	34.7	40.5	
Private households . . . . .	1,132	196	585	351	243	31	77	22.9	43.8	
All other industries . . . . .	22,746	782	4,628	17,336	13,396	1,470	2,470	35.3	40.4	
Public administration . . . . .	4,944	64	277	4,603	3,686	435	482	38.9	40.5	
<b>Self-employed workers</b> . . . . .	6,453	514	1,110	4,829	2,221	481	2,127	40.4	48.0	
<b>Unpaid family workers</b> . . . . .	322	9	113	200	107	15	78	38.1	47.4	

<sup>1</sup> Includes mining, not shown separately.

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

(Numbers in thousands)

Sex, age, race, and marital status	April 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		
<b>TOTAL</b>								
Both sexes, 16 years and over .....	89,300	3,748	13,228	72,324	53,808	18,516	36.9	41.1
16 to 21 years .....	10,958	761	4,609	5,588	4,548	1,040	28.8	39.9
16 to 19 years .....	6,245	418	3,612	2,215	1,804	411	24.8	39.7
16 to 17 years .....	2,373	112	1,965	296	249	47	18.2	38.0
18 to 19 years .....	3,872	306	1,646	1,920	1,556	364	28.9	40.0
20 years and over .....	83,055	3,330	9,617	70,108	52,003	18,105	37.8	41.1
20 to 24 years .....	12,507	781	1,907	9,819	7,757	2,062	35.9	40.3
25 years and over .....	70,548	2,550	7,710	60,288	44,245	16,043	38.1	41.3
25 to 44 years .....	43,134	1,509	4,043	37,582	27,281	10,301	38.7	41.4
45 to 64 years .....	24,990	961	2,471	21,558	16,116	5,442	38.2	41.0
65 years and over .....	2,424	81	1,195	1,148	849	299	28.3	40.9
<b>Males, 16 years and over .....</b>	<b>50,730</b>	<b>1,764</b>	<b>4,033</b>	<b>44,933</b>	<b>30,674</b>	<b>14,259</b>	<b>39.7</b>	<b>42.4</b>
16 to 21 years .....	5,611	360	2,155	3,096	2,346	750	30.5	41.0
16 to 19 years .....	3,193	222	1,741	1,230	941	289	26.2	40.8
16 to 17 years .....	1,209	55	960	194	156	38	19.6	39.7
18 to 19 years .....	1,983	167	781	1,035	784	251	30.3	41.0
20 years and over .....	47,537	1,541	2,292	43,704	29,734	13,970	40.6	42.4
20 to 24 years .....	6,534	352	748	5,434	3,966	1,468	37.8	41.5
25 years and over .....	41,003	1,189	1,544	33,270	25,767	12,503	41.1	42.6
25 to 44 years .....	24,839	730	513	23,596	15,532	8,064	41.8	42.9
45 to 64 years .....	14,727	416	392	13,919	9,684	4,235	41.0	42.1
65 years and over .....	1,437	42	639	756	551	205	29.6	41.3
<b>Females, 16 years and over .....</b>	<b>38,570</b>	<b>1,984</b>	<b>9,195</b>	<b>27,391</b>	<b>23,135</b>	<b>4,256</b>	<b>33.2</b>	<b>38.9</b>
16 to 21 years .....	5,347	401	2,454	2,492	2,202	290	27.1	38.6
16 to 19 years .....	3,052	196	1,870	986	863	123	23.4	38.4
16 to 17 years .....	1,163	57	1,005	101	91	10	16.9	34.9
18 to 19 years .....	1,889	139	865	885	772	113	27.4	38.8
20 years and over .....	35,518	1,789	7,325	26,404	22,270	4,134	34.0	38.9
20 to 24 years .....	5,973	427	1,159	4,387	3,793	594	33.8	38.9
25 years and over .....	29,545	1,362	6,166	22,017	18,477	3,540	34.1	39.0
25 to 44 years .....	18,296	778	3,531	13,987	11,750	2,237	34.4	38.8
45 to 64 years .....	10,263	544	2,079	7,640	6,434	1,206	34.2	39.0
65 years and over .....	987	40	556	391	297	94	26.4	40.3
<b>RACE</b>								
<b>White .....</b>	<b>79,306</b>	<b>3,095</b>	<b>12,152</b>	<b>64,059</b>	<b>46,828</b>	<b>17,231</b>	<b>37.0</b>	<b>41.2</b>
Males .....	45,596	1,502	3,671	40,423	27,056	13,367	39.9	42.6
Females .....	33,709	1,593	8,481	23,635	19,771	3,864	33.0	38.9
<b>Black and other .....</b>	<b>9,994</b>	<b>652</b>	<b>1,076</b>	<b>8,266</b>	<b>6,980</b>	<b>1,286</b>	<b>36.4</b>	<b>39.8</b>
Males .....	5,134	261	362	4,511	3,619	892	38.2	40.7
Females .....	4,860	390	714	3,756	3,363	393	34.5	36.8
<b>MARITAL STATUS</b>								
<b>Males, 16 years and over:</b>								
Married, spouse present .....	34,674	943	1,169	32,562	21,744	10,818	41.2	42.6
Widowed, divorced, or separated .....	4,375	184	215	3,976	2,735	1,241	40.8	42.9
Single (never married) .....	11,681	637	2,650	8,394	6,193	2,201	34.9	41.4
<b>Females, 16 years and over:</b>								
Married, spouse present .....	21,307	969	5,284	15,054	12,893	2,161	33.1	38.6
Widowed, divorced, or separated .....	7,671	485	1,087	6,099	4,990	1,109	35.6	39.5
Single (never married) .....	9,592	530	2,824	6,238	5,252	986	31.5	39.0

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

[Numbers in thousands]

Occupation and sex	April 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 40 hours	40 hours or more		
<b>Total, 18 years and over</b> .....	89,886	3,803	13,349	72,734	54,041	7,308	11,385	36.9	41.1
<b>White-collar workers</b> .....	48,545	1,154	7,133	40,258	29,219	3,270	7,169	37.6	41.4
Professional and technical .....	14,655	231	1,763	12,651	9,205	1,160	2,296	38.0	41.1
Managers and administrators, except farm .....	10,679	156	527	9,996	5,587	1,237	3,172	43.5	45.0
Sales workers .....	5,796	245	1,440	4,111	2,642	443	1,026	35.7	43.0
Clerical workers .....	17,415	521	3,403	13,491	11,788	1,029	674	34.2	38.4
<b>Blue-collar workers</b> .....	28,909	1,611	2,161	25,137	19,137	2,766	3,234	37.9	40.6
Craft and kindred workers .....	11,864	519	450	10,895	8,050	1,328	1,517	39.3	41.0
Operatives, except transport .....	9,699	525	581	8,593	7,074	744	775	37.3	39.2
Transport equipment operatives .....	3,144	185	298	2,661	1,594	379	688	40.3	44.1
Nonfarm laborers .....	4,202	383	832	2,987	2,418	315	254	33.7	40.0
<b>Service workers</b> .....	12,432	1,038	4,055	7,339	5,685	672	982	31.9	41.2
Private household .....	935	158	466	311	224	24	63	24.2	43.6
Other service workers .....	11,497	880	3,589	7,028	5,461	648	919	32.5	41.1
<b>Males, 18 years and over</b> .....	51,154	1,806	4,094	45,254	30,842	5,196	9,216	39.7	42.5
<b>White-collar workers</b> .....	22,753	342	1,455	20,956	13,000	2,349	5,607	41.7	43.7
Professional and technical .....	8,317	86	492	7,739	5,198	712	1,829	41.0	42.7
Managers and administrators, except farm .....	7,843	110	223	7,510	3,915	941	2,654	44.8	45.9
Sales workers .....	3,249	64	322	2,863	1,661	335	867	41.0	44.1
Clerical workers .....	3,345	81	417	2,847	2,230	360	257	36.8	39.9
<b>Blue-collar workers</b> .....	23,624	1,244	1,520	20,860	15,362	2,484	3,014	38.6	41.2
Craft and kindred workers .....	11,140	494	351	10,295	7,570	1,275	1,450	39.5	41.1
Operatives, except transport .....	5,882	240	288	5,354	4,124	558	672	38.7	40.4
Transport equipment operatives .....	2,887	172	171	2,544	1,511	366	667	41.5	44.3
Nonfarm laborers .....	3,716	338	710	2,668	2,159	285	224	33.8	40.1
<b>Service workers</b> .....	4,777	220	1,119	3,438	2,480	363	595	35.9	42.5
Private household .....	38	7	16	15	12	--	3	28.6	46.6
Other service workers .....	4,739	214	1,103	3,422	2,467	363	592	35.9	42.4
<b>Females, 18 years and over</b> .....	38,732	1,996	9,257	27,479	23,196	2,113	2,170	33.1	38.9
<b>White-collar workers</b> .....	25,792	811	5,679	19,302	16,218	1,521	1,563	33.9	38.9
Professional and technical .....	6,338	145	1,271	4,922	4,007	448	467	34.2	38.7
Managers and administrators, except farm .....	2,836	45	304	2,487	1,672	296	519	39.8	42.3
Sales workers .....	2,547	181	1,118	1,248	980	108	160	29.1	40.5
Clerical workers .....	14,070	440	2,986	10,644	9,558	669	417	33.6	38.0
<b>Blue-collar workers</b> .....	5,285	367	641	4,277	3,775	282	220	34.8	37.8
Craft and kindred workers .....	724	24	99	601	481	53	67	36.6	39.7
Operatives, except transport .....	3,817	286	293	3,238	2,949	186	103	35.1	37.3
Transport equipment operatives .....	258	13	127	118	82	14	22	27.8	39.5
Nonfarm laborers .....	486	45	122	319	260	30	29	33.3	39.6
<b>Service workers</b> .....	7,655	818	2,937	3,900	3,203	310	387	29.4	40.0
Private household .....	897	151	450	296	211	24	61	24.0	43.4
Other service workers .....	6,758	666	2,486	3,606	2,992	286	328	30.1	39.8

# HOUSEHOLD DATA

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

(Numbers in thousands)

Employment status	April 1981								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,328	3,727	3,601	6,071	3,096	2,975	1,257	531	626
Civilian labor force	1,146	684	462	1,037	614	423	109	69	39
Employed	931	535	396	881	504	378	50	32	18
Agriculture	98	87	11	91	80	11	7	7	--
Nonagricultural industries	834	448	385	791	424	367	43	24	18
Unemployed	214	148	66	156	110	45	59	38	21
Unemployment rate	18.7	21.6	14.3	15.0	17.9	10.6	54.1	(1)	(1)
Not in labor force	6,182	3,044	3,139	5,034	2,482	2,552	1,148	562	586
Keeping house	32	6	26	27	7	21	5	--	5
Going to school	5,325	2,660	2,664	4,355	2,188	2,167	970	472	498
Unable to work	2	3	--	1	2	--	1	1	--
All other reasons	823	374	449	651	285	365	173	89	84

<sup>1</sup> 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	April 1981					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
<b>CLASS OF WORKER</b>						
<b>Total</b>	931	535	396	100.0	100.0	100.0
Nonagricultural industries	834	448	385	89.5	83.6	97.2
Wage and salary workers	756	384	372	81.1	71.6	93.9
Private household workers	282	80	202	30.3	14.9	51.0
Government workers	25	15	9	2.7	2.8	2.3
Other wage and salary workers	449	289	161	48.2	53.9	40.7
Self-employed workers	74	60	14	7.9	11.2	3.5
Unpaid family workers	4	4	--	.4	.7	--
Agriculture	98	87	11	10.5	16.2	2.8
Wage and salary workers	43	39	4	4.6	7.3	1.0
Self-employed workers	23	21	2	2.5	3.9	.5
Unpaid family workers	32	28	4	3.4	5.2	1.0
<b>OCCUPATION</b>						
<b>Total</b>	931	535	396	100.0	100.0	100.0
White-collar workers	246	172	74	26.4	32.1	18.8
Professional and technical	9	8	1	1.0	1.5	.3
Managers and administrators, except farm	3	1	1	.3	.2	.3
Sales workers	175	144	31	18.8	26.9	7.9
Clerical workers	59	19	40	6.3	3.5	10.2
Blue-collar workers	211	192	19	22.7	35.8	4.8
Craft and kindred workers	15	12	3	1.6	2.2	.8
Operatives, except transport	28	25	4	3.0	4.7	1.0
Transport equipment operatives	8	5	3	.9	.9	.8
Nonfarm laborers	160	150	10	17.2	28.0	2.5
Service workers	400	108	292	43.0	20.1	74.1
Private household workers	212	15	197	22.8	2.8	50.0
Other service workers	188	94	94	20.2	17.5	23.9
Farm workers	74	63	11	7.9	11.8	2.8
Farmers and farm managers	5	2	2	.5	.4	.5
Farm laborers and supervisors	69	61	8	7.4	11.4	2.0



**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	1980									1981			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
<b>TOTAL</b>													
Total noninstitutional population <sup>1</sup> .....	165,693	165,886	166,105	166,391	166,578	166,789	167,005	167,201	167,396	167,585	167,747	167,902	168,071
Armed Forces <sup>1</sup> .....	2,092	2,088	2,092	2,099	2,114	2,121	2,121	2,119	2,124	2,125	2,121	2,128	2,129
Civilian noninstitutional population <sup>1</sup> .....	163,601	163,799	164,013	164,293	164,464	164,667	164,884	165,082	165,272	165,460	165,627	165,774	165,941
Civilian labor force .....	104,427	105,060	104,591	105,020	104,945	104,980	105,167	105,285	105,067	105,543	105,681	106,177	106,722
Percent of civilian population .....	63.8	64.1	63.8	63.9	63.8	63.8	63.8	63.8	63.6	63.8	63.8	64.0	64.3
Employed .....	97,425	97,116	96,780	96,999	97,003	97,180	97,206	97,339	97,282	97,696	97,927	98,412	98,976
Percent of total population .....	58.7	58.5	58.3	58.3	58.2	58.3	58.2	58.2	58.1	58.3	58.4	58.6	58.9
Agriculture .....	3,462	3,352	3,232	3,267	3,210	3,399	3,319	3,340	3,394	3,403	3,281	3,276	3,463
Nonagricultural industries .....	93,963	93,764	93,548	93,732	93,793	93,781	93,887	93,999	93,888	94,294	94,646	95,136	95,513
Unemployed .....	7,402	7,944	7,811	8,021	7,942	7,800	7,961	7,946	7,785	7,847	7,754	7,764	7,746
Unemployment rate .....	8.9	7.6	7.5	7.6	7.6	7.4	7.6	7.5	7.4	7.4	7.3	7.3	7.3
Not in labor force .....	59,174	58,739	59,422	59,273	59,519	59,687	59,717	59,797	60,205	59,917	59,946	59,598	59,219
<b>Males, 20 years and over</b>													
Total noninstitutional population <sup>1</sup> .....	70,988	71,083	71,190	71,326	71,430	71,544	71,661	71,768	71,875	71,980	72,070	72,155	72,249
Civilian noninstitutional population <sup>1</sup> .....	69,329	69,428	69,532	69,664	69,756	69,864	69,987	70,095	70,198	70,320	70,413	70,481	70,574
Civilian labor force .....	55,127	55,440	55,182	55,344	55,403	55,475	55,495	55,539	55,470	55,470	55,443	55,816	56,013
Percent of civilian population .....	79.5	79.9	79.4	79.4	79.4	79.4	79.3	79.2	79.0	78.8	78.7	79.2	79.4
Employed .....	51,935	51,871	51,624	51,714	51,791	51,823	51,963	52,007	52,045	52,091	52,134	52,511	52,750
Percent of total population .....	73.2	73.0	72.5	72.5	72.5	72.4	72.5	72.5	72.4	72.4	72.3	72.8	73.0
Agriculture .....	2,334	2,377	2,301	2,306	2,301	2,389	2,351	2,372	2,331	2,378	2,289	2,296	2,409
Nonagricultural industries .....	49,601	49,494	49,323	49,408	49,490	49,434	49,612	49,635	49,714	49,713	49,844	50,215	50,342
Unemployed .....	3,192	3,569	3,558	3,630	3,612	3,652	3,532	3,532	3,425	3,352	3,312	3,305	3,262
Unemployment rate .....	8.8	6.4	6.4	6.6	6.5	6.6	6.4	6.4	6.2	6.0	6.0	5.9	5.8
Not in labor force .....	14,202	13,988	14,350	14,320	14,353	14,389	14,492	14,556	14,728	14,877	14,968	14,665	14,561
<b>Females, 20 years and over</b>													
Total noninstitutional population <sup>1</sup> .....	78,110	78,219	78,340	78,493	78,607	78,732	78,860	78,979	79,097	79,212	79,315	79,415	79,522
Civilian noninstitutional population <sup>1</sup> .....	77,981	78,090	78,211	78,360	78,473	78,598	78,723	78,842	78,959	79,071	79,175	79,271	79,377
Civilian labor force .....	40,193	40,193	40,182	40,383	40,523	40,317	40,486	40,629	40,570	40,942	41,090	41,293	41,481
Percent of civilian population .....	51.4	51.5	51.4	51.5	51.6	51.3	51.4	51.5	51.4	51.8	51.9	52.1	52.3
Employed .....	37,597	37,600	37,613	37,728	37,890	37,804	37,754	37,909	37,820	38,191	38,410	38,567	38,760
Percent of total population .....	48.1	48.1	48.0	48.1	48.2	48.0	47.9	48.0	47.8	48.2	48.4	48.6	48.7
Agriculture .....	560	598	550	564	555	592	576	574	665	621	615	606	603
Nonagricultural industries .....	37,037	37,002	37,063	37,164	37,335	37,212	37,178	37,335	37,155	37,570	37,794	37,961	38,157
Unemployed .....	2,501	2,593	2,569	2,655	2,633	2,513	2,732	2,720	2,750	2,750	2,680	2,725	2,721
Unemployment rate .....	6.2	6.5	6.4	6.6	6.5	6.2	6.7	6.7	6.8	6.7	6.5	6.6	6.6
Not in labor force .....	37,883	37,897	38,029	37,977	37,950	38,281	38,237	38,213	38,389	38,129	38,085	37,978	37,896
<b>Both sexes, 16-19 years</b>													
Total noninstitutional population <sup>1</sup> .....	16,595	16,584	16,575	16,572	16,541	16,512	16,484	16,454	16,424	16,393	16,362	16,331	16,300
Civilian noninstitutional population <sup>1</sup> .....	16,491	16,281	16,271	16,268	16,235	16,205	16,174	16,145	16,114	16,069	16,039	16,022	15,991
Civilian labor force .....	9,402	9,427	9,227	9,293	9,019	9,188	9,186	9,117	9,027	9,158	9,146	9,068	9,228
Percent of civilian population .....	56.5	57.9	56.7	57.1	55.5	56.7	56.8	56.5	56.0	57.0	57.0	56.6	57.7
Employed .....	7,093	7,645	7,543	7,557	7,322	7,553	7,489	7,423	7,417	7,414	7,384	7,334	7,465
Percent of total population .....	42.4	46.1	45.5	45.6	44.3	45.7	45.4	45.1	45.2	45.2	45.1	44.9	45.8
Agriculture .....	368	377	381	397	354	418	392	394	398	404	376	374	451
Nonagricultural industries .....	7,325	7,268	7,162	7,160	6,968	7,135	7,097	7,029	7,019	7,010	7,008	6,960	7,014
Unemployed .....	1,509	1,782	1,684	1,736	1,697	1,635	1,697	1,694	1,610	1,744	1,762	1,734	1,763
Unemployment rate .....	16.4	18.9	18.3	18.7	18.8	17.8	18.5	18.6	17.8	19.0	19.3	19.1	19.1
Not in labor force .....	7,089	6,854	7,044	6,975	7,216	7,017	6,988	7,028	7,087	6,911	6,893	6,954	6,763

<sup>1</sup> 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			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
<b>FULL TIME</b>													
Total, 16 years and over:													
Civilian labor force	89,096	89,739	89,226	89,384	89,345	89,862	89,896	90,043	90,040	90,393	90,239	90,556	90,938
Employed	83,271	83,153	82,796	82,753	82,792	83,346	83,337	83,411	83,491	83,933	83,844	84,149	84,645
Unemployed	5,825	6,586	6,430	6,631	6,553	6,516	6,559	6,632	6,549	6,460	6,396	6,407	6,293
Unemployment rate	6.5	7.3	7.2	7.4	7.3	7.3	7.3	7.4	7.3	7.1	7.1	7.1	6.9
<b>PART TIME</b>													
Total, 16 years and over:													
Civilian labor force	15,361	15,329	15,473	15,716	15,560	15,105	15,284	15,250	15,023	15,166	15,410	15,504	15,805
Employed	14,009	13,942	14,110	14,340	14,211	13,794	13,893	13,938	13,798	13,775	14,005	14,108	14,376
Unemployed	1,352	1,387	1,363	1,376	1,349	1,311	1,391	1,312	1,225	1,390	1,405	1,396	1,429
Unemployment rate	8.8	9.0	8.8	8.8	8.7	8.7	9.1	8.6	8.2	9.2	9.1	9.0	9.0

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			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
<b>WHITE</b>													
Total, 16 years and over:													
Civilian labor force	92,044	92,501	92,134	92,335	92,288	92,317	92,516	92,562	92,383	92,832	93,035	93,313	93,860
Employed	86,389	86,251	86,007	86,075	86,067	86,307	86,371	86,409	86,377	86,620	86,940	87,291	87,791
Unemployed	5,655	6,250	6,127	6,260	6,221	6,010	6,145	6,153	6,006	6,213	6,095	6,022	6,069
Unemployment rate	6.1	6.8	6.7	6.8	6.7	6.5	6.6	6.6	6.5	6.7	6.6	6.5	6.5
Males, 20 years and over:													
Civilian labor force	49,192	49,483	49,268	49,321	49,356	49,415	49,461	49,481	49,449	49,426	49,420	49,695	49,947
Employed	46,651	46,627	46,442	46,442	46,500	46,556	46,660	46,684	46,728	46,704	46,757	47,030	47,330
Unemployed	2,541	2,856	2,826	2,879	2,856	2,859	2,801	2,797	2,721	2,722	2,664	2,664	2,618
Unemployment rate	5.2	5.8	5.7	5.8	5.8	5.8	5.7	5.7	5.7	5.5	5.4	5.4	5.2
Females, 20 years and over:													
Civilian labor force	34,606	34,641	34,657	34,749	34,846	34,765	34,883	34,972	34,910	35,313	35,423	35,529	35,727
Employed	32,710	32,679	32,681	32,732	32,823	32,841	32,845	32,944	32,858	33,180	33,421	33,539	33,679
Unemployed	1,896	1,962	1,976	2,017	2,023	1,924	2,038	2,028	2,052	2,133	2,002	1,990	2,048
Unemployment rate	5.5	5.7	5.7	5.8	5.8	5.5	5.8	5.8	5.9	6.0	5.7	5.6	5.7
Both sexes, 16 to 19 years:													
Civilian labor force	8,246	8,377	8,209	8,265	8,086	8,137	8,172	8,109	8,024	8,093	8,191	8,089	8,186
Employed	7,028	6,945	6,884	6,901	6,744	6,910	6,866	6,781	6,791	6,735	6,762	6,721	6,782
Unemployed	1,218	1,432	1,325	1,364	1,342	1,227	1,306	1,328	1,233	1,358	1,429	1,368	1,404
Unemployment rate	14.8	17.1	16.1	16.5	16.6	15.1	16.0	16.4	15.4	16.8	17.4	16.9	17.2
<b>BLACK AND OTHER</b>													
Total, 16 years and over:													
Civilian labor force	12,401	12,546	12,491	12,661	12,630	12,677	12,695	12,706	12,668	12,684	12,598	12,765	12,899
Employed	10,838	10,842	10,809	10,902	10,902	10,894	10,884	10,922	10,895	11,051	10,942	11,020	11,193
Unemployed	1,563	1,704	1,682	1,759	1,728	1,783	1,802	1,784	1,773	1,634	1,655	1,745	1,706
Unemployment rate	12.6	13.6	13.5	13.9	13.7	14.1	14.2	14.0	14.0	12.9	13.1	13.7	13.2
Males, 20 years and over:													
Civilian labor force	5,934	5,944	5,965	6,029	6,049	6,064	6,030	6,042	6,015	5,996	6,007	6,072	6,081
Employed	5,291	5,249	5,235	5,275	5,291	5,266	5,300	5,315	5,315	5,367	5,355	5,414	5,437
Unemployed	643	695	730	754	758	798	730	727	700	628	651	658	644
Unemployment rate	10.8	11.7	12.2	12.5	12.5	13.2	12.1	12.0	11.6	10.5	10.8	10.8	10.6
Females, 20 years and over:													
Civilian labor force	5,495	5,570	5,523	5,600	5,629	5,568	5,648	5,652	5,654	5,638	5,645	5,708	5,764
Employed	4,884	4,925	4,920	4,966	5,017	4,978	4,953	4,965	4,956	5,016	4,976	4,988	5,083
Unemployed	611	645	603	634	612	590	695	687	698	621	669	720	681
Unemployment rate	11.1	11.6	10.9	11.3	10.9	10.6	12.3	12.2	12.3	11.0	11.9	12.6	11.8
Both sexes, 16 to 19 years:													
Civilian labor force	972	1,032	1,003	1,032	952	1,045	1,008	1,012	999	1,051	946	985	1,054
Employed	663	668	654	661	594	650	631	642	624	667	611	618	673
Unemployed	309	364	349	371	358	395	377	370	375	384	335	367	381
Unemployment rate	31.8	35.3	34.8	35.9	37.6	37.8	37.4	36.6	37.5	36.5	35.4	37.3	36.1

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-36. Major unemployment indicators, seasonally adjusted**

[Unemployment rates]

Category	1980										1981			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
<b>CHARACTERISTIC</b>														
Total (all civilian workers)	6.9	7.6	7.5	7.6	7.6	7.4	7.6	7.5	7.4	7.4	7.3	7.3	7.3	
Males, 20 years and over	5.8	6.4	6.4	6.6	6.5	6.6	6.4	6.4	6.2	6.0	6.0	5.9	5.8	
Females, 20 years and over	6.2	6.5	6.4	6.6	6.5	6.2	6.7	6.7	6.8	6.7	6.5	6.6	6.6	
Both sexes, 18-19 years	16.4	18.9	18.3	18.7	18.8	17.8	18.5	18.6	17.8	19.0	19.3	19.1	19.1	
White	6.1	6.8	6.7	6.8	6.7	6.5	6.6	6.6	6.5	6.7	6.6	6.5	6.5	
Black and other	12.6	13.6	13.5	13.9	13.7	14.1	14.2	14.0	14.0	12.9	13.1	13.7	13.2	
Married men, spouse present	4.0	4.6	4.6	4.9	4.8	4.7	4.6	4.4	4.3	4.2	4.1	4.1	3.8	
Married women, spouse present	5.7	6.1	6.0	6.1	6.0	5.7	6.0	5.9	5.8	6.2	5.8	6.0	5.9	
Women who maintain families	9.0	8.3	8.5	8.8	9.0	9.0	10.2	9.9	10.4	10.5	9.6	9.4	9.8	
Full-time workers	6.5	7.3	7.2	7.4	7.3	7.3	7.3	7.4	7.3	7.1	7.1	7.1	6.9	
Part-time workers	8.8	9.0	8.8	8.8	8.7	8.7	9.1	8.6	8.2	9.2	9.1	9.0	9.0	
Unemployed 15 weeks and over <sup>1</sup>	1.5	1.6	1.7	1.8	2.0	2.2	2.2	2.2	2.3	2.2	2.1	2.1	2.0	
Labor force time lost <sup>2</sup>	7.6	8.6	8.1	8.4	8.3	8.2	8.4	8.3	8.2	8.2	8.1	8.1	8.2	
<b>OCCUPATION</b>														
White-collar workers	3.7	3.8	3.7	3.7	3.7	3.8	3.9	3.9	4.0	3.9	3.7	3.9	4.0	
Professional and technical	2.4	2.6	2.5	2.4	2.4	2.5	2.6	2.5	2.6	2.8	2.6	2.7	3.2	
Managers and administrators, except farm	2.6	2.6	2.5	2.6	2.5	2.4	2.5	2.4	2.5	2.4	2.4	2.6	2.4	
Sales workers	4.5	4.4	4.4	4.2	4.2	4.3	4.6	4.8	4.7	4.4	4.0	3.8	4.0	
Clerical workers	5.1	5.3	5.2	5.4	5.4	5.4	5.6	5.6	5.8	5.7	5.3	5.9	5.6	
Blue-collar workers	9.6	10.9	11.1	11.3	11.1	10.8	10.8	10.7	10.5	10.2	10.1	9.8	9.6	
Craft and kindred workers	6.5	7.5	7.5	7.2	7.6	7.4	7.1	7.1	7.1	6.8	7.2	7.1	6.8	
Operatives, except transport	11.6	13.7	13.4	14.4	13.3	13.0	13.2	13.0	12.9	12.1	11.9	11.3	11.5	
Transport equipment operatives	8.4	8.7	10.0	10.0	9.8	10.4	10.6	10.6	8.8	9.1	8.3	9.3	8.1	
Nonfarm laborers	14.1	14.9	15.7	15.8	16.1	15.2	15.3	15.0	14.8	15.0	14.9	14.1	13.8	
Service workers	7.8	8.2	8.1	8.3	8.5	8.1	8.3	8.3	7.8	8.0	8.7	8.1	8.5	
Farm workers	4.8	4.7	4.5	4.6	5.5	4.3	4.4	4.0	4.0	5.0	4.7	5.1	3.7	
<b>INDUSTRY</b>														
Nonagricultural private wage and salary workers <sup>3</sup>	7.0	8.0	8.0	8.0	8.0	7.8	7.8	7.8	7.7	7.5	7.5	7.3	7.2	
Construction	14.5	16.6	15.6	15.8	17.3	15.9	14.6	14.8	13.8	13.3	13.2	14.7	14.4	
Manufacturing	7.9	9.7	9.7	9.8	9.3	9.2	9.2	8.9	8.8	8.4	8.4	8.0	7.4	
Durable goods	8.3	10.4	10.9	10.7	10.1	10.0	9.5	9.0	9.0	8.3	8.5	7.9	7.3	
Nondurable goods	7.3	8.6	7.9	8.5	8.0	7.9	8.9	8.6	8.5	8.5	8.2	8.3	7.6	
Transportation	4.7	5.0	5.1	5.6	5.6	5.3	5.3	4.9	4.9	5.8	5.5	6.4	5.7	
Wholesale and retail trade	7.0	7.5	7.7	7.6	7.7	7.7	7.8	8.2	8.3	7.6	7.6	7.3	7.3	
Finance and service industries	5.1	5.6	5.6	5.6	5.5	5.4	5.6	5.5	5.5	5.8	6.0	5.6	5.9	
Government workers	4.3	4.2	3.5	4.1	4.0	4.1	4.4	4.2	4.1	4.4	4.3	4.6	4.9	
Agricultural wage and salary workers	11.7	11.4	10.4	10.8	13.2	10.7	11.1	10.1	10.6	11.5	12.1	11.9	9.1	

<sup>1</sup> Unemployment as a percent of the civilian labor force.

as a percent of potentially available labor force hours.

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

<sup>3</sup> Includes mining, not shown separately.

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

[Numbers in thousands]

Weeks of unemployment	1980										1981			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
<b>DURATION</b>														
Less than 5 weeks	3,258	3,714	3,281	3,317	3,255	3,042	3,186	3,108	3,115	3,259	3,203	3,209	3,074	
5 to 14 weeks	2,373	2,589	2,812	2,649	2,533	2,586	2,500	2,524	2,217	2,264	2,324	2,356	2,462	
15 weeks and over	1,599	1,686	1,777	1,935	2,150	2,295	2,292	2,329	2,378	2,358	2,250	2,192	2,105	
15 to 26 weeks	931	980	1,024	1,093	1,239	1,366	1,256	1,213	1,231	1,079	992	1,013	1,001	
27 weeks and over	668	706	753	842	911	929	1,036	1,116	1,147	1,279	1,257	1,179	1,104	
Average (mean) duration, in weeks	11.2	10.6	11.7	11.8	12.5	13.0	13.3	13.6	13.5	14.4	14.4	14.0	13.7	
Median duration, in weeks	5.9	5.8	6.4	7.1	7.4	8.0	7.5	7.7	7.3	7.4	6.9	7.0	7.7	
<b>PERCENT DISTRIBUTION</b>														
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Less than 5 weeks	45.1	46.5	41.7	42.0	41.0	38.4	39.9	39.0	40.4	41.3	41.2	41.4	40.2	
5 to 14 weeks	32.8	32.4	35.7	33.5	31.9	32.6	31.3	31.7	28.8	28.7	29.9	30.4	32.2	
15 weeks and over	22.1	21.1	22.6	24.5	27.1	29.0	28.7	29.3	30.8	29.9	28.9	28.3	27.6	
15 to 26 weeks	12.9	12.3	13.0	13.8	15.6	17.2	15.7	15.2	16.0	13.7	12.8	13.1	13.1	
27 weeks and over	9.2	8.8	9.6	10.7	11.5	11.7	13.0	14.0	14.9	16.2	16.2	15.2	14.5	

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

Sex and age	1980									1981			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
<b>Total, 16 years and over</b> .....	6.9	7.6	7.5	7.6	7.6	7.4	7.6	7.5	7.4	7.4	7.3	7.3	7.3
16 to 19 years .....	16.4	18.9	18.3	18.7	18.8	17.8	18.5	18.6	17.8	19.0	19.3	19.1	19.1
16 to 17 years .....	19.0	21.2	20.0	20.5	22.1	20.1	20.9	21.4	19.9	21.0	21.4	21.3	22.0
18 to 19 years .....	14.5	17.4	17.6	17.4	16.5	16.0	16.7	16.5	16.4	17.5	17.9	17.7	17.2
20 to 24 years .....	11.3	12.5	12.1	12.1	12.0	12.0	12.3	12.1	11.7	11.9	11.8	11.7	12.1
25 years and over .....	5.0	5.3	5.4	5.5	5.4	5.4	5.4	5.4	5.3	5.3	5.1	5.2	5.0
25 to 54 years .....	5.3	5.6	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.7	5.5	5.5	5.4
55 years and over .....	3.3	3.4	3.3	3.4	3.4	3.4	3.4	3.3	3.5	3.5	3.6	3.7	3.3
<b>Males, 16 years and over</b> .....	6.7	7.5	7.5	7.6	7.6	7.6	7.4	7.4	7.2	7.2	7.1	7.0	6.9
16 to 19 years .....	16.3	19.4	19.1	19.5	19.9	18.9	19.8	19.8	19.0	20.3	20.1	19.5	19.3
16 to 17 years .....	18.8	21.5	21.5	20.9	23.7	21.2	21.8	22.3	20.5	23.0	22.1	21.1	22.7
18 to 19 years .....	14.4	17.6	18.8	18.4	17.1	16.9	18.1	17.8	17.8	18.5	18.7	18.6	17.0
20 to 24 years .....	12.3	13.5	13.4	13.2	13.6	13.5	13.8	13.2	12.5	12.8	12.7	13.0	13.2
25 years and over .....	4.7	5.1	5.2	5.4	5.3	5.4	5.1	5.1	4.9	4.9	4.8	4.7	4.6
25 to 54 years .....	4.9	5.4	5.6	5.8	5.7	6.0	5.6	5.6	5.4	5.2	5.2	5.1	4.9
55 years and over .....	3.3	3.4	3.6	3.6	3.6	3.5	3.3	3.3	3.3	3.4	3.4	3.2	3.1
<b>Females, 16 years and over</b> .....	7.2	7.6	7.4	7.7	7.6	7.2	7.7	7.7	7.7	7.7	7.6	7.7	7.7
16 to 19 years .....	16.5	18.3	17.3	17.7	17.6	16.6	17.0	17.2	16.5	17.5	18.4	18.7	18.9
16 to 17 years .....	19.3	20.9	18.3	20.1	20.2	18.8	19.8	20.3	19.3	18.7	20.5	21.6	21.1
18 to 19 years .....	14.8	17.2	16.3	16.2	15.9	15.1	15.1	15.1	14.8	16.4	17.0	16.5	17.4
20 to 24 years .....	10.1	11.3	10.6	10.9	10.2	10.2	10.6	10.8	10.8	10.8	10.8	10.1	10.9
25 years and over .....	5.4	5.5	5.5	5.7	5.7	5.4	5.9	5.8	5.9	5.8	5.6	5.9	5.6
25 to 54 years .....	5.8	6.0	6.0	6.1	6.2	5.9	6.4	6.2	6.3	6.3	5.9	6.2	6.0
55 years and over .....	3.3	3.3	2.9	3.1	3.1	3.3	3.4	3.4	3.9	3.6	3.9	4.5	3.7

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

(Numbers in thousands)

Reason for unemployment	1980									1981			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
<b>NUMBER OF UNEMPLOYED</b>													
<b>Both sexes, 16 years and over:</b>													
Job losers .....	3,581	4,164	4,468	4,364	4,319	4,387	4,240	4,229	4,226	3,847	3,896	3,846	3,819
On layoff .....	1,422	1,771	1,954	1,832	1,699	1,744	1,692	1,453	1,470	1,258	1,267	1,299	1,280
Other job losers .....	2,159	2,393	2,514	2,532	2,620	2,643	2,548	2,776	2,756	2,590	2,629	2,547	2,539
Job leavers .....	905	930	887	866	890	855	870	897	813	907	884	863	854
Reentrants .....	1,909	1,975	1,834	1,868	1,883	1,844	2,013	1,896	1,869	2,039	1,970	2,040	2,017
New entrants .....	752	871	872	893	870	862	880	890	868	1,000	928	986	987
<b>PERCENT DISTRIBUTION</b>													
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 .....	50.1	52.4	55.4	54.6	54.2	55.2	53.0	53.5	54.3	49.4	50.7	49.7	49.7
On layoff .....	19.9	22.3	24.2	22.9	21.3	21.9	21.1	18.4	18.9	16.1	16.5	16.8	16.7
Other job losers .....	30.2	30.1	31.2	31.7	32.9	33.3	31.8	35.1	35.4	33.2	34.2	32.9	33.1
Job leavers .....	12.7	11.7	11.0	10.8	11.2	10.8	10.9	11.3	10.5	11.6	11.5	11.2	11.1
Reentrants .....	26.7	24.9	22.8	23.4	23.6	23.2	25.2	24.0	24.0	26.2	25.7	26.4	26.3
New entrants .....	10.5	11.0	10.8	11.2	10.9	10.8	11.0	11.2	11.2	12.8	12.1	12.7	12.9
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	3.4	4.0	4.3	4.2	4.1	4.2	4.0	4.0	4.0	3.6	3.7	3.6	3.6
Job leavers .....	.9	.9	.8	.8	.8	.8	.8	.9	.8	.9	.8	.8	.8
Reentrants .....	1.8	1.9	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.9	1.9	1.9	1.9
New entrants .....	.7	.8	.8	.9	.8	.8	.8	.8	.8	.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			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
<b>Total, 16 years and over</b> .....	97,225	97,116	96,780	96,999	97,003	97,180	97,206	97,339	97,282	97,696	97,927	98,412	98,976	
16 to 19 years .....	7,693	7,645	7,543	7,557	7,322	7,553	7,489	7,423	7,417	7,414	7,384	7,334	7,465	
16 to 17 years .....	3,060	3,049	3,039	3,056	2,837	3,003	2,963	2,916	2,906	2,937	2,927	2,908	2,964	
18 to 19 years .....	4,629	4,576	4,473	4,510	4,477	4,598	4,535	4,525	4,506	4,467	4,441	4,411	4,487	
20 to 24 years .....	13,020	13,572	13,442	13,547	13,541	13,543	13,594	13,593	13,633	13,725	13,661	13,684	13,711	
25 years and over .....	75,472	75,891	75,852	75,965	76,119	76,096	76,150	76,231	76,242	76,611	76,847	77,367	77,735	
25 to 54 years .....	61,589	61,530	61,520	61,594	61,729	61,845	61,915	62,110	62,142	62,482	62,676	63,019	63,423	
55 years and over .....	14,306	14,333	14,293	14,331	14,415	14,263	14,216	14,159	14,095	14,108	14,186	14,314	14,360	
<b>Males, 16 years and over</b> .....	56,054	55,914	55,597	55,678	55,589	55,754	55,881	55,897	55,920	56,012	56,045	56,383	56,688	
16 to 19 years .....	4,119	4,043	3,973	3,964	3,798	3,931	3,918	3,890	3,875	3,921	3,912	3,872	3,937	
16 to 17 years .....	1,666	1,643	1,616	1,640	1,489	1,579	1,588	1,564	1,555	1,562	1,581	1,545	1,551	
18 to 19 years .....	2,451	2,397	2,326	2,338	2,305	2,396	2,339	2,330	2,317	2,347	2,323	2,321	2,373	
20 to 24 years .....	7,284	7,271	7,140	7,185	7,149	7,175	7,174	7,190	7,245	7,253	7,223	7,239	7,238	
25 years and over .....	44,672	44,586	44,509	44,555	44,671	44,649	44,803	44,791	44,806	44,862	44,896	45,266	45,464	
25 to 54 years .....	35,651	35,820	35,785	35,820	35,894	35,977	36,076	36,128	36,131	36,204	36,206	36,488	36,707	
55 years and over .....	8,765	8,772	8,734	8,732	8,768	8,691	8,677	8,670	8,682	8,645	8,693	8,758	8,780	
<b>Females, 16 years and over</b> .....	41,171	41,202	41,183	41,321	41,414	41,426	41,325	41,442	41,362	41,684	41,882	42,029	42,288	
16 to 19 years .....	3,574	3,602	3,570	3,593	3,524	3,622	3,571	3,533	3,542	3,493	3,472	3,462	3,528	
16 to 17 years .....	1,394	1,406	1,423	1,416	1,348	1,424	1,375	1,352	1,351	1,375	1,346	1,363	1,413	
18 to 19 years .....	2,178	2,179	2,147	2,172	2,172	2,202	2,196	2,195	2,189	2,120	2,118	2,090	2,114	
20 to 24 years .....	6,336	6,301	6,302	6,362	6,392	6,368	6,420	6,403	6,388	6,472	6,438	6,444	6,473	
25 years and over .....	31,260	31,305	31,343	31,410	31,448	31,447	31,347	31,440	31,436	31,749	31,950	32,101	32,271	
25 to 54 years .....	25,738	25,710	25,735	25,774	25,835	25,868	25,840	25,982	26,011	26,278	26,471	26,532	26,715	
55 years and over .....	5,541	5,561	5,559	5,599	5,647	5,572	5,539	5,489	5,413	5,463	5,493	5,556	5,580	

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

(In thousands)

Sex and age	1980										1981			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
<b>Total, 16 years and over</b> .....	7,202	7,944	7,811	8,021	7,942	7,800	7,961	7,946	7,785	7,847	7,754	7,764	7,746	
16 to 19 years .....	1,509	1,782	1,684	1,736	1,697	1,635	1,697	1,694	1,610	1,744	1,762	1,734	1,763	
16 to 17 years .....	718	822	760	790	804	755	781	794	723	783	796	789	834	
18 to 19 years .....	788	965	957	949	886	878	909	893	881	949	967	946	929	
20 to 24 years .....	1,731	1,936	1,856	1,873	1,854	1,843	1,913	1,873	1,809	1,845	1,831	1,810	1,890	
25 years and over .....	3,961	4,216	4,298	4,435	4,385	4,344	4,368	4,342	4,302	4,269	4,171	4,233	4,101	
25 to 54 years .....	3,456	3,684	3,763	3,895	3,865	3,905	3,885	3,874	3,835	3,766	3,647	3,683	3,587	
55 years and over .....	487	502	493	509	512	507	494	489	512	507	528	552	496	
<b>Males, 16 years and over</b> .....	3,994	4,543	4,496	4,593	4,558	4,566	4,498	4,491	4,334	4,353	4,293	4,245	4,205	
16 to 19 years .....	802	974	938	963	946	914	966	959	909	1,001	981	940	943	
16 to 17 years .....	385	450	442	433	463	425	442	450	400	466	449	414	455	
18 to 19 years .....	411	513	538	528	475	487	518	504	501	533	534	532	485	
20 to 24 years .....	1,017	1,134	1,108	1,095	1,129	1,117	1,150	1,095	1,032	1,051	1,052	1,085	1,097	
25 years and over .....	2,178	2,397	2,466	2,551	2,497	2,557	2,398	2,406	2,324	2,306	2,283	2,235	2,175	
25 to 54 years .....	1,857	2,045	2,108	2,215	2,159	2,292	2,121	2,149	2,073	1,992	1,977	1,942	1,874	
55 years and over .....	300	310	325	329	332	319	300	293	292	306	303	293	280	
<b>Females, 16 years and over</b> .....	3,208	3,401	3,315	3,428	3,384	3,234	3,463	3,455	3,451	3,493	3,461	3,519	3,541	
16 to 19 years .....	707	808	746	773	751	721	731	735	701	743	781	794	820	
16 to 17 years .....	333	372	318	357	341	330	339	344	323	317	347	375	379	
18 to 19 years .....	377	452	419	421	411	391	391	389	380	416	433	414	444	
20 to 24 years .....	714	802	748	778	725	726	763	778	777	785	779	726	793	
25 years and over .....	1,783	1,819	1,832	1,884	1,888	1,787	1,970	1,936	1,978	1,962	1,887	1,998	1,926	
25 to 54 years .....	1,599	1,639	1,655	1,680	1,706	1,613	1,764	1,725	1,762	1,774	1,670	1,741	1,712	
55 years and over .....	187	192	168	180	180	188	194	196	220	201	225	259	216	

# HOUSEHOLD DATA SEASONALLY ADJUSTED

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

(In thousands)

Category	1980									1981			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
<b>CHARACTERISTIC</b>													
Total, 16 years and over .....	97,225	97,116	96,780	96,999	97,003	97,180	97,206	97,339	97,282	97,696	97,927	98,412	98,976
Married men, spouse present .....	38,373	38,197	38,220	38,049	37,987	38,027	38,142	38,167	38,231	38,182	38,113	38,365	38,510
Married women, spouse present .....	23,094	23,145	23,131	23,118	23,126	23,027	22,993	23,065	23,063	23,352	23,356	23,513	23,529
<b>OCCUPATION</b>													
White-collar workers .....	50,465	50,627	50,836	51,023	51,307	51,074	51,101	51,148	51,065	51,594	51,698	51,746	51,801
Professional and technical .....	15,528	15,540	15,682	15,717	15,751	15,540	15,780	15,863	15,810	15,965	15,813	15,827	15,754
Managers and administrators, except farm .....	10,773	10,877	10,901	10,999	11,109	11,007	10,979	11,016	11,009	11,363	11,488	11,565	11,444
Sales workers .....	6,048	6,072	6,046	6,130	6,140	6,316	6,277	6,155	6,175	6,265	6,271	6,220	6,145
Clerical workers .....	18,116	18,138	18,207	18,177	18,307	18,211	18,065	18,114	18,071	18,001	18,125	18,135	18,457
Blue-collar workers .....	31,120	30,800	30,443	30,276	30,232	30,436	30,521	30,550	30,373	30,338	30,446	30,594	31,156
Craft and kindred workers .....	12,713	12,551	12,357	12,403	12,346	12,490	12,485	12,424	12,337	12,306	12,386	12,605	12,624
Operatives, except transport Transport equipment operatives .....	10,450	10,379	10,233	10,189	10,147	10,202	10,210	10,247	10,194	10,331	10,390	10,189	10,524
Nonfarm laborers .....	3,495	3,458	3,429	3,354	3,478	3,434	3,443	3,429	3,402	3,322	3,361	3,363	3,411
Service workers .....	4,462	4,412	4,424	4,330	4,261	4,310	4,383	4,450	4,440	4,380	4,309	4,437	4,596
Farm workers .....	13,009	12,947	12,941	13,017	12,928	12,943	12,891	12,888	12,982	12,946	13,070	13,279	13,255
Farm workers .....	2,682	2,730	2,625	2,694	2,620	2,757	2,735	2,729	2,804	2,737	2,662	2,679	2,834
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
<b>Agriculture:</b>													
Wage and salary workers .....	1,377	1,396	1,369	1,360	1,282	1,417	1,363	1,417	1,411	1,465	1,336	1,338	1,524
Self-employed workers .....	1,602	1,642	1,606	1,631	1,640	1,688	1,640	1,612	1,655	1,615	1,610	1,615	1,648
Unpaid family workers .....	287	292	278	295	280	309	325	324	305	284	325	312	290
<b>Nonagricultural industries:</b>													
Wage and salary workers .....	86,789	86,722	86,370	86,432	86,490	86,395	86,587	86,643	86,513	87,125	87,236	87,870	88,195
Government .....	15,635	15,720	15,817	15,718	15,531	15,575	15,597	15,651	15,653	15,738	15,589	15,685	15,628
Private industries .....	71,154	71,002	70,553	70,714	70,959	70,820	70,990	70,992	70,860	71,387	71,647	72,185	72,567
Private households .....	1,151	1,197	1,204	1,230	1,196	1,125	1,144	1,148	1,110	1,197	1,176	1,235	1,241
Other industries .....	70,003	69,805	69,349	69,484	69,763	69,695	69,846	69,844	69,750	70,190	70,471	70,949	71,327
Self-employed workers .....	6,804	6,698	6,728	6,801	6,881	6,977	7,005	6,943	6,973	6,839	6,923	6,896	7,021
Unpaid family workers .....	363	406	445	426	403	416	417	405	396	422	371	354	306
<b>PERSONS AT WORK<sup>1</sup></b>													
Nonagricultural industries .....	88,041	87,974	87,994	87,431	88,195	88,246	88,488	88,694	88,468	89,499	89,441	89,583	89,202
Full-time schedules .....	71,986	71,501	71,454	70,825	71,526	71,929	72,071	72,265	72,131	72,807	72,945	72,875	72,761
Part-time for economic reasons .....	3,803	4,276	3,969	4,086	4,143	4,183	4,220	4,176	4,218	4,474	4,145	4,227	4,044
Usually work full-time .....	1,680	1,998	1,734	1,794	1,709	1,701	1,685	1,620	1,647	1,698	1,622	1,638	1,517
Usually work part-time .....	2,123	2,278	2,235	2,292	2,434	2,482	2,535	2,556	2,571	2,776	2,523	2,589	2,527
Part time for noneconomic reasons .....	12,252	12,197	12,571	12,520	12,526	12,134	12,197	12,253	12,119	12,218	12,351	12,481	12,397

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

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

(Numbers in thousands)

Veteran status and age	Not seasonally adjusted									
	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
							Number		Percent of labor force	
Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	Apr. 1980	Apr. 1981	
<b>VETERANS</b>										
Total, 25 years and over .....	8,206	8,507	7,783	8,071	7,353	7,607	430	464	5.5	5.7
25 to 29 years .....	7,243	7,325	6,952	7,041	6,543	6,608	409	433	5.9	6.1
30 to 34 years .....	1,763	1,535	1,646	1,417	1,493	1,285	153	132	9.3	9.3
35 to 39 years .....	3,595	3,396	3,481	3,282	3,303	3,095	178	187	5.1	5.7
40 years and over .....	1,885	2,394	1,825	2,342	1,747	2,228	78	114	4.3	4.9
40 years and over .....	963	1,182	831	1,030	810	999	21	31	2.5	3.0
<b>NONVETERANS</b>										
Total, 25 to 39 years .....	15,288	16,159	14,496	15,335	13,579	14,420	917	915	6.3	6.0
25 to 29 years .....	7,000	7,332	6,601	6,897	6,061	6,393	540	504	8.2	7.3
30 to 34 years .....	4,487	5,113	4,287	4,890	4,044	4,657	243	233	5.7	4.8
35 to 39 years .....	3,801	3,714	3,608	3,548	3,474	3,370	134	178	3.7	5.0

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

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





# ESTABLISHMENT DATA EMPLOYMENT

## B-2. Employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Mar. 1990	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
-	<b>TOTAL</b> .....	90,316	90,761	90,245	90,828	91,365	-	-	-	-	-
-	<b>PRIVATE SECTOR</b> .....	73,871	74,110	73,872	74,426	74,964	60,106	60,311	59,781	60,300	60,827
-	<b>MINING</b> .....	996	1,006	1,073	1,088	944	740	750	795	809	689
10	<b>METAL MINING</b> .....	103.9	103.3	102.2	101.5	-	78.5	78.4	77.5	76.8	-
101	Iron ores .....	23.3	22.3	20.9	20.9	-	18.5	17.3	16.3	16.4	-
102	Copper ores .....	34.7	35.0	36.0	35.7	-	26.2	27.2	28.0	27.6	-
11, 12	<b>COAL MINING</b> .....	262.3	263.3	266.7	270.6	-	217.7	219.2	220.3	223.5	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	259.1	260.1	263.3	267.3	-	214.9	216.3	217.3	220.6	-
13	<b>OIL AND GAS EXTRACTION</b> .....	513.6	520.2	599.9	608.5	-	353.2	359.2	418.9	426.6	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	207.1	209.9	232.5	234.0	-	93.6	96.8	101.8	102.6	-
138	Oil and gas field services .....	306.5	310.3	367.4	374.5	-	259.6	262.4	317.1	324.0	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	176.1	119.4	104.4	107.8	-	90.9	93.5	78.7	81.8	-
142	Crushed and broken stone .....	17.6	39.6	31.1	32.2	-	31.2	32.8	24.9	25.9	-
144	Sand and gravel .....	34.0	35.1	29.1	30.9	-	-	-	-	-	-
147	Chemical and fertilizer minerals .....	25.2	25.2	25.4	25.4	-	-	-	-	-	-
-	<b>CONSTRUCTION</b> .....	4,150	4,311	3,985	4,129	4,271	3,213	3,369	3,027	3,168	3,299
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	1,134.9	1,172.3	1,082.3	1,117.2	-	856.2	891.7	791.8	827.0	-
152	Residential building construction .....	515.4	537.4	508.4	522.1	-	367.4	388.4	355.6	369.9	-
153	Operative builders .....	75.1	71.7	65.6	66.7	-	46.1	43.1	35.3	36.1	-
154	Nonresidential building construction .....	544.4	563.2	508.3	528.4	-	442.7	460.2	400.9	421.0	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	786.1	848.4	703.4	753.2	-	614.6	677.9	545.1	593.7	-
161	Highway and street construction .....	203.9	241.4	169.5	187.1	-	163.9	201.4	132.7	149.6	-
162	Heavy construction, except highway .....	582.2	607.0	533.9	566.1	-	450.7	476.5	412.4	444.1	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	2,229.4	2,290.0	2,199.2	2,259.0	-	1,741.8	1,799.4	1,690.4	1,747.2	-
171	Plumbing, heating, air conditioning .....	560.1	555.9	572.2	572.6	-	420.6	415.8	424.0	423.2	-
172	Painting, paper hanging, decorating .....	138.3	150.8	129.2	134.3	-	113.1	125.6	103.7	108.6	-
173	Electrical work .....	415.9	410.7	424.0	420.5	-	322.2	315.9	323.7	320.2	-
174	Masonry, stonework, and plastering .....	357.1	374.0	355.8	371.7	-	304.0	322.2	300.2	316.2	-
175	Carpentering and flooring .....	118.4	116.0	115.2	116.6	-	88.2	86.4	83.9	85.7	-
176	Roofing and sheet metal work .....	153.1	169.0	143.4	155.2	-	120.8	136.2	110.8	121.9	-
-	<b>MANUFACTURING</b> .....	20,793	20,533	20,149	20,254	20,345	14,727	14,466	14,046	14,138	14,228
24, 25, 32-39	<b>DURABLE GOODS</b> .....	12,647	12,414	12,082	12,165	12,234	8,909	8,672	8,317	8,389	8,461
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	8,146	8,119	8,067	8,089	8,111	5,818	5,794	5,729	5,749	5,767
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	716.9	678.4	667.8	670.2	676.2	603.0	567.0	556.0	557.6	563.2
241	Logging camps and logging contractors .....	80.8	77.2	78.9	76.1	-	65.7	62.6	62.3	59.7	-
242	Sawmills and planing mills .....	225.6	212.0	204.8	204.3	-	201.0	187.5	180.3	180.2	-
2421	Sawmills and planing mills, general .....	186.9	174.4	170.8	170.3	-	166.8	154.4	150.9	150.8	-
2426	Hardwood dimension and flooring .....	31.6	30.6	28.5	28.7	-	27.6	26.6	24.6	24.7	-
243	Millwork, plywood, and structural members .....	207.0	194.7	199.3	200.9	-	170.6	159.3	165.0	165.8	-
2431	Millwork .....	72.7	67.3	68.0	68.3	-	58.5	53.4	54.5	54.7	-
2434	Wood kitchen cabinets .....	47.5	47.0	45.5	45.9	-	39.3	38.9	36.7	36.6	-
2435	Hardwood veneer and plywood .....	27.4	26.9	27.2	27.7	-	24.3	23.7	23.8	24.3	-
2436	Softwood veneer and plywood .....	44.3	39.2	44.7	44.3	-	37.7	33.2	39.8	39.5	-
244	Wooden containers .....	45.1	44.4	42.1	42.7	-	39.2	38.5	36.2	36.8	-
245	Wood buildings and mobile homes .....	73.8	67.2	62.8	65.7	-	56.3	50.3	45.6	48.0	-
2451	Mobile homes .....	53.0	48.3	45.0	47.6	-	42.2	37.8	33.9	36.1	-
249	Miscellaneous wood products .....	84.6	82.9	79.9	80.5	-	70.2	68.8	66.6	67.1	-
25	<b>FURNITURE AND FIXTURES</b> .....	494.1	488.7	476.9	477.4	481.2	401.9	396.8	385.3	385.1	388.2
251	Household furniture .....	324.5	320.5	314.1	314.3	-	274.1	270.4	263.9	263.2	-
2511	Wood household furniture .....	145.8	144.5	144.8	145.3	-	128.1	125.7	125.7	125.9	-
2512	Upholstered household furniture .....	93.8	99.0	96.8	97.0	-	83.1	82.3	79.4	79.3	-
2514	Metal household furniture .....	32.0	31.7	30.5	29.7	-	26.2	26.0	25.2	24.3	-
2515	Mattresses and bedsprings .....	30.5	29.8	28.4	28.4	-	23.2	22.8	21.8	21.7	-
252	Office furniture .....	50.7	50.8	50.8	50.9	-	40.1	39.9	39.7	39.8	-
253	Public building and related furniture .....	26.1	25.9	24.8	25.0	-	19.3	19.2	18.5	18.7	-
254	Partitions and fixtures .....	63.9	63.7	59.1	59.1	-	48.3	48.0	43.9	44.1	-
259	Miscellaneous furniture and fixtures .....	28.9	27.8	28.1	28.1	-	20.1	19.3	19.3	19.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	679.0	675.5	632.9	642.2	654.6	529.5	526.3	484.4	492.3	504.6
321	Flat glass	19.0	17.6	19.1	18.9	-	14.9	13.5	14.5	14.3	-
322	Glass and glassware, pressed or blown	130.1	128.4	123.3	123.7	-	110.9	109.4	103.5	104.0	-
3221	Glass containers	71.2	69.4	66.7	66.7	-	62.5	60.8	58.0	58.1	-
3229	Pressed and blown glass, nec	58.9	59.0	56.6	57.0	-	48.4	48.6	45.5	45.9	-
323	Products of purchased glass	46.4	45.9	46.4	46.7	-	34.5	33.9	32.3	32.2	-
324	Cement, hydraulic	32.2	31.8	30.4	30.8	-	25.8	25.4	23.7	24.1	-
325	Structural clay products	48.1	46.8	41.3	41.8	-	36.5	35.2	30.9	31.3	-
326	Pottery and related products	47.8	47.1	43.3	43.2	-	39.8	39.1	35.7	35.5	-
327	Concrete, gypsum, and plaster products	195.5	199.6	176.1	182.7	-	148.8	152.8	132.2	138.1	-
3271	Concrete block and brick	21.1	21.4	18.4	19.4	-	14.5	14.7	12.3	13.2	-
3272	Concrete products, nec	65.8	65.7	59.5	59.8	-	49.6	49.4	43.9	43.9	-
3273	Ready-mixed concrete	87.2	91.4	78.0	83.5	-	67.3	71.6	59.6	64.7	-
329	Misc. nonmetallic mineral products	147.4	145.8	141.1	142.2	-	108.3	106.8	102.1	103.0	-
3291	Abrasive products	30.0	30.0	28.4	28.6	-	20.4	20.4	19.2	19.5	-
3292	Asbestos products	20.8	20.5	19.3	19.4	-	16.0	15.7	15.0	15.0	-
3296	Mineral wool	33.0	32.4	32.1	32.1	-	-	-	-	-	-
33	<b>PRIMARY METAL INDUSTRIES</b>	1,203.7	1,193.8	1,125.7	1,129.5	1,133.7	936.5	926.3	867.1	870.1	875.8
331	Blast furnace and basic steel products	541.3	538.6	506.2	508.5	-	423.3	420.6	393.4	395.6	-
3312	Blast furnaces and steel mills	453.6	451.0	424.2	426.0	-	355.9	353.4	331.1	332.8	-
3317	Steel pipe and tubes	29.1	29.1	29.2	29.6	-	22.5	22.4	22.5	23.0	-
332	Iron and steel foundries	221.7	217.4	200.4	202.0	-	179.5	175.4	160.4	161.7	-
3321	Gray iron foundries	130.6	127.5	118.4	119.8	-	107.4	104.6	96.4	97.8	-
3322	Malleable iron foundries	18.9	17.9	15.7	15.8	-	14.9	13.9	12.2	12.1	-
3325	Steel foundries, nec	59.3	59.1	53.6	53.6	-	47.3	47.0	42.5	42.4	-
333	Primary nonferrous metals	70.9	71.4	69.1	69.2	-	54.2	54.4	52.2	52.0	-
3334	Primary aluminum	36.1	36.3	35.1	34.9	-	28.4	28.6	27.1	27.0	-
335	Nonferrous rolling and drawing	219.9	218.2	208.6	208.4	-	160.0	158.3	149.2	148.9	-
3361	Copper rolling and drawing	33.0	32.5	29.0	28.2	-	25.3	24.8	21.7	21.3	-
3353	Aluminum sheet, plate, and foil	37.0	37.0	36.7	36.8	-	28.1	28.3	28.2	28.1	-
3357	Nonferrous wire drawing and insulating	91.8	90.8	87.1	88.0	-	67.6	66.4	62.4	63.3	-
336	Nonferrous foundries	97.1	95.6	89.2	89.2	-	78.8	77.3	72.1	72.2	-
3361	Aluminum foundries	57.0	56.0	52.5	51.9	-	47.2	46.2	43.5	42.9	-
34	<b>FABRICATED METAL PRODUCTS</b>	1,703.8	1,671.4	1,596.8	1,605.2	1,614.1	1,279.2	1,246.5	1,180.0	1,187.4	1,195.4
341	Metal cans and shipping containers	79.4	78.5	75.1	74.7	-	67.1	66.3	63.4	62.5	-
3411	Metal cans	64.9	64.1	61.0	60.4	-	55.2	54.4	52.0	51.0	-
342	Cutlery, hand tools, and hardware	180.8	174.9	170.6	171.7	-	139.7	133.9	131.3	132.0	-
3423,5	Hand and edge tools, and hand saws and blades	63.8	62.2	59.3	59.4	-	49.9	48.4	45.6	45.5	-
3429	Hardware, nec	101.1	97.1	96.8	97.9	-	78.3	74.0	74.2	75.2	-
343	Plumbing and heating, except electric	75.6	74.0	66.8	66.7	-	55.7	53.8	48.2	48.1	-
3432	Plumbing fittings and brass goods	28.6	27.5	25.1	25.5	-	23.6	22.4	20.1	20.5	-
3433	Heating equipment, except electric	35.7	35.4	30.3	29.8	-	24.3	23.8	20.1	19.6	-
344	Fabricated structural metal products	527.3	519.0	506.9	505.7	-	368.3	359.4	346.4	345.0	-
3441	Fabricated structural metal	108.9	108.2	101.7	101.4	-	79.1	77.9	73.2	73.0	-
3442	Metal doors, sash, and trim	84.5	81.2	81.1	80.7	-	61.9	59.0	58.7	58.3	-
3443	Fabricated plate work (boiler shops)	149.3	148.6	147.9	148.2	-	94.7	93.6	90.3	90.0	-
3444	Sheet metal work	113.0	111.3	107.7	107.5	-	83.1	81.2	78.1	78.0	-
3446	Architectural metal work	32.6	32.3	33.6	33.1	-	23.5	23.2	23.6	23.3	-
345	Screw machine products, bolts, etc.	116.5	114.9	105.0	105.2	-	91.3	90.0	81.2	80.9	-
3451	Screw machine products	55.2	54.0	50.0	50.3	-	45.5	44.5	40.6	40.7	-
3452	Bolts, nuts, rivets, and washers	61.3	60.9	55.0	54.9	-	45.8	45.5	40.6	40.2	-
346	Metal forgings and stampings	286.7	275.4	254.2	259.7	-	228.7	217.6	199.1	205.4	-
3462	Iron and steel forgings	56.0	55.3	51.0	51.2	-	44.0	43.2	39.4	39.7	-
3465	Automotive stampings	99.3	90.0	80.6	85.5	-	81.5	72.6	65.4	70.6	-
3469	Metal stampings, nec	119.9	118.6	111.3	111.8	-	98.2	92.8	85.6	86.3	-
347	Metal services, nec	111.5	111.1	108.9	109.8	-	90.6	90.2	87.4	88.2	-
3471	Plating and polishing	74.7	74.0	72.2	73.0	-	61.2	60.5	58.7	59.6	-
3479	Metal coating and allied services	36.8	37.1	36.7	36.8	-	29.4	29.7	28.7	28.6	-
348	Ordnance and accessories, nec	62.0	61.8	59.2	59.2	-	41.7	41.6	38.7	39.2	-
3483	Ammunition, exc. for small arms, nec	27.6	27.6	27.9	27.7	-	18.7	18.7	18.7	18.7	-
349	Misc. fabricated metal products	264.0	261.8	250.1	252.5	-	196.1	193.7	184.3	186.1	-
3494	Valves and pipe fittings	107.9	107.0	102.9	103.4	-	74.7	73.8	70.5	70.9	-
3496	Misc. fabricated wire products	56.1	55.3	52.7	53.6	-	44.2	43.7	41.0	41.7	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	2,539.9	2,523.5	2,498.2	2,505.1	2,506.1	1,657.3	1,638.6	1,595.2	1,600.2	1,600.7
351	Engines and turbines	139.5	137.7	131.2	130.1	-	91.6	90.1	85.9	84.7	-
3511	Turbines and turbine generator sets	39.7	39.5	39.3	39.3	-	20.1	20.2	21.0	21.1	-
3519	Internal combustion engines, nec	99.8	98.2	91.9	90.8	-	71.5	69.9	64.9	63.6	-
352	Farm and garden machinery	175.5	170.6	174.9	176.9	-	122.6	117.5	122.2	123.6	-
3523	Farm machinery and equipment	152.4	148.5	152.9	154.9	-	106.2	102.0	106.2	107.6	-
353	Construction and related machinery	402.2	400.5	396.4	399.4	-	266.0	264.3	260.3	263.6	-
3531	Construction machinery	164.6	162.8	151.1	151.5	-	111.5	109.8	101.4	101.8	-

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3532	Mining machinery.....	35.4	35.3	34.8	35.3	-	22.2	22.1	21.5	22.0	-
3533	Oil field machinery.....	92.1	93.0	105.2	107.1	-	63.0	63.8	72.5	74.4	-
3535	Conveyers and conveying equipment.....	33.2	33.2	32.3	32.1	-	18.9	18.8	18.2	18.3	-
3537	Industrial trucks and tractors.....	40.9	40.2	38.1	38.3	-	27.8	27.2	25.3	25.5	-
354	Metalworking machinery.....	381.5	380.6	363.7	361.5	-	281.7	280.7	263.6	262.2	-
3541	Machine tools, metal cutting types.....	80.4	81.0	78.7	78.6	-	54.5	54.6	51.5	51.5	-
3542	Machine tools, metal forming types.....	28.1	28.2	26.5	26.6	-	18.4	18.5	16.8	16.8	-
3544	Special dies, tools, jigs, and fixtures.....	137.8	136.2	132.6	132.5	-	110.5	109.4	105.8	105.9	-
3545	Machine tool accessories.....	72.7	72.9	69.7	69.1	-	52.3	52.5	49.1	48.8	-
3546	Power driven hand tools.....	37.0	36.7	32.8	32.6	-	29.0	28.6	25.2	25.1	-
355	Special industry machinery.....	212.2	211.5	205.5	206.1	-	137.0	135.9	130.1	130.5	-
3551	Food products machinery.....	48.3	47.8	45.7	46.1	-	31.2	30.7	29.3	29.6	-
3552	Textile machinery.....	28.2	28.2	26.2	25.8	-	20.3	20.1	18.4	18.1	-
3555	Printing trades machinery.....	39.2	39.6	42.0	42.0	-	24.5	24.6	26.0	26.0	-
356	General industrial machinery.....	333.4	329.9	319.0	318.8	-	220.7	216.9	206.3	206.8	-
3561	Pumps and pumping equipment.....	63.9	63.3	61.6	61.5	-	38.5	37.9	35.7	35.7	-
3562	Ball and roller bearings.....	50.9	59.6	59.3	58.7	-	48.3	46.9	46.1	45.8	-
3563	Air and gas compressors.....	31.7	31.5	30.2	30.3	-	18.9	18.7	18.0	18.2	-
3564	Blowers and fans.....	43.9	43.0	41.8	41.7	-	27.0	26.1	25.9	26.0	-
3566	Speed changers, drives, and gears.....	27.3	26.8	25.8	26.1	-	18.7	18.6	17.0	17.2	-
3568	Power transmission equipment, nec.....	24.4	24.3	21.6	21.8	-	17.5	17.4	15.1	15.4	-
357	Office and computing machines.....	422.2	423.8	444.1	447.0	-	185.1	185.0	184.1	183.9	-
3573	Electronic computing equipment.....	344.6	346.5	366.0	368.6	-	139.6	140.3	142.1	141.9	-
358	Refrigeration and service machinery.....	133.2	179.1	176.2	176.4	-	128.2	124.4	122.2	122.6	-
3585	Refrigeration and heating equipment.....	124.4	120.6	119.5	120.0	-	87.5	84.1	83.8	84.3	-
359	Misc. machinery, except electrical.....	290.2	289.8	287.2	288.9	-	224.4	223.8	220.5	222.3	-
3592	Carburetors, pistons, rings, valves.....	42.1	41.7	40.5	40.9	-	33.6	33.2	32.8	33.5	-
3599	Machinery, except electrical, nec.....	248.1	248.1	246.7	248.0	-	190.8	190.6	187.7	188.8	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT.....</b>	<b>2,167.7</b>	<b>2,156.2</b>	<b>2,138.5</b>	<b>2,148.1</b>	<b>2,160.3</b>	<b>1,406.5</b>	<b>1,392.7</b>	<b>1,350.2</b>	<b>1,357.9</b>	<b>1,368.3</b>
361	Electric distributing equipment.....	123.6	122.7	117.4	117.3	-	87.3	86.2	82.3	82.8	-
3612	Transformers.....	55.1	54.7	50.7	50.9	-	38.9	38.4	35.3	35.9	-
3613	Switchgear and switchboard apparatus.....	68.5	68.0	66.7	66.4	-	48.4	47.8	47.0	46.9	-
362	Electrical industrial apparatus.....	249.4	249.9	235.9	238.0	-	178.0	179.0	167.4	169.4	-
3621	Motors and generators.....	127.7	128.4	120.0	121.0	-	96.4	97.5	92.2	93.2	-
3622	Industrial controls.....	72.0	71.8	68.7	68.7	-	45.7	45.6	42.3	42.2	-
363	Household appliances.....	178.3	172.9	174.3	176.2	-	141.6	137.1	140.2	142.0	-
3632	Household refrigerators and freezers.....	38.4	36.0	40.7	42.8	-	31.1	29.2	33.7	35.7	-
3633	Household laundry equipment.....	23.5	21.5	22.2	22.3	-	18.6	16.7	17.5	17.6	-
3634	Electric housewares and fans.....	53.0	53.1	50.9	51.1	-	42.8	43.0	41.2	41.4	-
364	Electric lighting and wiring equipment.....	224.2	222.8	208.5	211.3	-	168.5	167.2	154.6	156.7	-
3641	Electric lamps.....	36.9	36.6	33.9	33.8	-	32.5	32.3	30.0	29.8	-
3643	Current-carrying wiring devices.....	94.4	95.3	90.7	91.5	-	66.3	67.0	62.5	62.8	-
3644	Noncurrent-carrying wiring devices.....	25.4	25.2	24.5	24.8	-	18.5	18.3	17.6	18.1	-
3645	Residential lighting fixtures.....	25.9	25.1	23.2	24.1	-	19.8	19.2	17.6	18.4	-
365	Radio and TV receiving equipment.....	110.4	109.4	106.7	107.1	-	80.5	79.6	75.7	76.0	-
3651	Radio and TV receiving sets.....	85.8	85.4	84.5	84.7	-	60.7	60.2	58.6	58.6	-
366	Communication equipment.....	549.7	551.3	555.5	556.1	-	277.5	277.8	271.8	271.6	-
3661	Telephone and telegraph apparatus.....	178.2	178.4	168.9	168.1	-	124.7	125.0	112.7	112.3	-
3662	Radio and TV communication equipment.....	371.5	372.9	386.6	388.0	-	152.8	152.8	159.1	159.3	-
367	Electronic components and accessories.....	559.1	560.5	564.1	566.2	-	347.4	345.6	330.4	332.1	-
3671-3	Electronic tubes.....	44.9	45.2	46.4	46.5	-	28.3	28.5	28.7	29.0	-
3674	Semiconductors and related devices.....	216.7	218.7	229.5	230.0	-	100.0	100.3	95.5	95.9	-
3679	Electronic components, nec.....	218.3	217.8	216.4	217.0	-	155.1	153.7	150.8	151.2	-
369	Misc. electrical equipment and supplies.....	173.0	166.7	176.1	175.9	-	125.7	120.2	127.8	127.3	-
3691	Storage batteries.....	31.8	31.1	34.3	33.3	-	24.3	24.1	27.0	25.8	-
3694	Engine electrical equipment.....	81.3	76.2	82.5	83.1	-	62.0	57.2	62.9	63.5	-
37	<b>TRANSPORTATION EQUIPMENT.....</b>	<b>2,005.6</b>	<b>1,891.1</b>	<b>1,840.8</b>	<b>1,878.5</b>	<b>1,897.4</b>	<b>1,341.1</b>	<b>1,227.2</b>	<b>1,185.3</b>	<b>1,221.7</b>	<b>1,245.0</b>
371	Motor vehicles and equipment.....	877.4	778.8	712.0	746.1	-	660.0	562.7	524.4	559.0	-
3711	Motor vehicles and car bodies.....	414.1	346.9	301.2	325.7	-	297.9	232.0	206.7	231.4	-
3713	Truck and bus bodies.....	41.4	40.3	34.3	33.1	-	32.3	31.2	25.4	24.6	-
3714	Motor vehicle parts and accessories.....	386.1	357.5	344.0	354.9	-	302.8	274.1	267.9	278.7	-
3715,8	Truck trailers and motor homes.....	35.8	34.1	32.5	32.4	-	27.0	25.4	24.4	24.3	-
372	Aircraft and parts.....	653.4	649.0	664.5	665.6	-	360.8	355.7	360.3	360.3	-
3721	Aircraft.....	353.7	349.6	362.0	364.3	-	178.5	174.3	179.8	181.0	-
3724	Aircraft engines and engine parts.....	162.3	161.0	164.1	163.5	-	94.3	92.8	93.9	93.5	-
3728	Aircraft equipment, nec.....	137.4	138.4	138.4	137.8	-	88.0	88.6	86.6	85.8	-
373	Ship and boat building and repairing.....	219.5	215.9	220.0	223.9	-	174.8	171.7	175.1	178.4	-
3731	Ship building and repairing.....	172.8	171.9	174.2	176.4	-	136.7	135.7	137.0	138.6	-
3732	Boat building and repairing.....	46.7	44.0	45.8	47.5	-	38.1	36.0	38.1	39.8	-
374	Railroad equipment.....	73.6	73.1	55.5	52.2	-	56.5	55.9	40.2	36.8	-
376	Guided missiles, space vehicles, parts.....	109.9	109.7	118.2	118.2	-	35.3	35.5	36.0	36.0	-
3761	Guided missiles and space vehicles.....	85.4	86.9	94.4	94.5	-	26.3	26.4	27.2	27.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
<b>TRANSPORTATION EQUIPMENT—Continued</b>											
379	Miscellaneous transportation equipment .....	51.0	43.1	49.5	50.7	-	36.0	28.2	34.1	35.3	-
3792	Travel trailers and campers .....	28.9	21.5	28.7	29.9	-	22.0	14.8	22.2	23.4	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b> .....	703.6	702.2	697.9	699.6	698.3	425.7	422.6	413.0	413.5	413.4
381	Engineering and scientific instruments .....	77.3	77.3	79.4	79.7	-	38.2	38.1	38.7	38.8	-
382	Measuring and controlling devices .....	241.0	239.6	236.0	236.8	-	153.8	151.1	147.9	147.9	-
3822	Environmental controls .....	49.2	47.6	45.3	45.6	-	34.8	33.0	31.1	31.6	-
3823	Process control instruments .....	52.4	52.4	54.1	54.4	-	27.4	27.3	28.8	29.0	-
3825	Instruments to measure electricity .....	97.9	98.4	99.5	99.8	-	61.4	60.8	62.1	61.7	-
383	Optical instruments and lenses .....	34.5	34.8	35.3	35.4	-	19.3	19.2	19.1	19.0	-
384	Medical instruments and supplies .....	145.7	146.2	147.9	148.4	-	95.5	96.0	94.1	94.9	-
3841	Surgical and medical instruments .....	63.5	63.9	64.8	65.4	-	42.0	42.1	40.4	40.8	-
3842	Surgical appliances and supplies .....	65.4	65.6	66.3	66.3	-	42.9	43.3	43.2	43.6	-
385	Ophthalmic goods .....	47.7	47.8	45.7	45.9	-	34.5	34.7	32.0	32.1	-
386	Photographic equipment and supplies .....	132.4	132.0	133.1	133.3	-	65.5	65.1	66.2	66.1	-
387	Watches, clocks, and watchcases .....	25.0	24.5	20.5	20.1	-	18.9	18.4	15.0	14.7	-
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> .....	432.9	433.0	406.3	409.1	412.5	328.6	328.0	300.2	303.1	306.7
391	Jewelry, silverware, and plated ware .....	55.9	56.1	55.1	55.0	-	39.5	39.4	39.4	39.4	-
3911	Jewelry, precious metal .....	35.8	36.2	35.2	34.9	-	24.9	25.4	24.6	24.6	-
393	Musical instruments .....	21.9	22.2	21.1	21.3	-	18.2	18.1	17.1	17.2	-
394	Toys and sporting goods .....	118.6	119.5	106.4	109.5	-	91.0	91.5	78.5	81.6	-
3942, 4	Dolls, games, toys, and children's vehicles .....	54.2	55.0	50.9	52.8	-	40.0	40.6	36.1	37.9	-
3949	Sporting and athletic goods, nec .....	64.4	64.5	55.5	56.7	-	51.0	50.9	42.4	43.7	-
395	Pens, pencils, office and art supplies .....	40.6	40.8	40.2	40.3	-	28.9	29.0	28.3	28.5	-
396	Costume jewelry and notions .....	55.3	54.8	49.1	48.9	-	44.1	43.8	38.2	38.0	-
3961	Costume jewelry .....	29.5	28.6	26.4	25.7	-	23.3	22.4	20.4	19.6	-
399	Miscellaneous manufactures .....	140.6	139.6	134.4	134.1	-	106.9	106.2	98.7	98.4	-
3993	Signs and advertising displays .....	46.9	46.6	46.9	46.6	-	33.9	33.8	34.0	33.8	-
<b>NONDURABLE GOODS</b>											
20	<b>FOOD AND KINDRED PRODUCTS</b> .....	1,641.1	1,626.2	1,617.3	1,609.0	1,605.7	1,111.3	1,096.6	1,091.1	1,084.7	1,080.9
201	Meat products .....	356.0	356.3	353.4	351.0	-	295.2	295.6	293.6	292.1	-
2011	Meat packing plants .....	161.8	161.0	159.3	158.3	-	131.6	131.1	130.2	129.7	-
2013	Sausages and other prepared meats .....	67.9	67.2	67.1	66.7	-	49.9	49.0	49.4	49.3	-
2016	Poultry dressing plants .....	110.1	112.3	112.1	111.8	-	99.7	101.8	101.1	100.9	-
202	Dairy products .....	175.3	176.3	171.7	173.5	-	94.2	95.0	91.9	93.1	-
2022	Cheese, natural and processed .....	32.2	32.5	32.5	33.0	-	24.7	25.0	24.9	25.4	-
2026	Fluid milk .....	107.8	107.8	105.1	105.5	-	47.6	47.6	46.4	47.1	-
203	Preserved fruits and vegetables .....	203.8	198.7	190.9	191.0	-	163.7	158.9	152.4	152.1	-
2032	Canned specialties .....	23.7	23.4	23.9	23.4	-	17.2	16.9	17.5	16.9	-
2033	Canned fruits and vegetables .....	70.7	70.6	67.3	67.0	-	56.4	56.3	52.9	52.3	-
2037	Frozen fruits and vegetables .....	41.6	38.8	35.2	36.3	-	36.0	33.1	30.2	31.0	-
204	Grain mill products .....	141.8	139.6	140.6	138.0	-	97.6	95.3	96.7	95.5	-
2041	Flour and other grain mill products .....	24.8	24.5	25.3	25.2	-	15.2	15.1	15.6	15.7	-
2048	Prepared feeds, nec .....	58.5	57.3	57.4	56.5	-	38.0	36.8	37.2	36.9	-
205	Bakery products .....	229.6	229.8	225.8	226.3	-	133.5	133.7	130.7	130.5	-
2051	Bread, cake, and related products .....	185.7	185.5	182.0	183.0	-	99.3	99.2	96.3	96.5	-
2052	Cookies and crackers .....	43.9	44.3	43.8	43.3	-	34.2	34.5	34.4	34.0	-
206	Sugar and confectionery products .....	100.1	93.5	102.9	95.6	-	73.9	68.2	77.8	70.9	-
2061-3	Cane and beet sugar .....	25.0	21.4	27.4	23.7	-	17.2	14.4	20.1	16.5	-
2065	Confectionery products .....	55.1	52.3	55.1	51.5	-	43.0	40.3	44.0	40.7	-
207	Fats and oils .....	43.4	43.2	42.2	41.8	-	31.7	31.4	31.4	31.0	-
208	Beverages .....	230.9	231.7	231.9	232.0	-	103.2	103.2	101.1	101.3	-
2082	Malt beverages .....	51.0	50.9	51.5	51.6	-	33.5	33.2	33.4	33.6	-
2086	Bottled and canned soft drinks .....	138.6	140.4	140.1	140.3	-	46.4	47.3	45.7	45.9	-
209	Misc. foods and kindred products .....	160.2	157.1	157.9	159.8	-	118.3	115.3	115.5	117.5	-
21	<b>TOBACCO MANUFACTURES</b> .....	64.4	62.9	70.4	68.0	66.3	49.6	47.9	54.3	52.1	50.4
211	Cigarettes .....	43.9	44.3	46.3	46.0	-	33.6	33.8	34.9	34.8	-
22	<b>TEXTILE MILL PRODUCTS</b> .....	886.9	882.1	853.0	853.5	856.0	773.6	769.4	739.8	740.7	743.2
221	Weaving mills, cotton .....	152.7	152.8	147.3	145.2	-	137.6	137.7	131.8	129.8	-
222	Weaving mills, synthetics .....	121.2	120.6	117.1	118.6	-	108.8	108.3	105.0	106.3	-
223	Weaving and finishing mills, wool .....	19.9	19.9	18.5	18.6	-	16.4	16.5	15.2	15.3	-
224	Narrow fabric mills .....	25.3	25.0	25.0	25.1	-	22.4	22.1	22.0	21.9	-
225	Knitting mills .....	232.5	232.6	225.4	226.0	-	202.2	202.4	194.6	195.6	-
2251	Women's hosiery, except socks .....	31.7	31.4	29.6	29.1	-	28.7	28.4	26.5	26.1	-
2252	Hosiery, nec .....	33.5	33.7	33.5	34.0	-	30.6	30.8	30.5	30.9	-
2253	Knit outerwear mills .....	75.7	75.8	74.7	75.2	-	65.1	65.3	63.4	63.8	-
2254	Knit underwear mills .....	32.0	31.8	32.4	32.3	-	27.6	27.4	28.0	28.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
<b>TEXTILE MILL PRODUCTS—Continued</b>											
2257	Circular knit fabric mills	33.6	33.6	30.3	30.7	-	28.5	28.5	25.6	26.1	-
226	Textile finishing, except wool	76.7	76.7	72.3	72.5	-	64.7	64.7	60.3	60.9	-
2261	Finishing plants, cotton	30.3	30.0	27.8	27.6	-	25.4	25.0	22.8	22.9	-
2262	Finishing plants, synthetics	29.7	30.2	29.7	30.0	-	24.9	25.5	25.0	25.3	-
227	Floor covering mills	56.7	55.2	51.7	51.8	-	46.1	44.8	41.7	41.7	-
228	Yarn and thread mills	34.7	133.8	130.8	130.9	-	122.0	121.1	117.9	118.1	-
2281	Yarn mills, except wool	89.1	88.4	88.0	87.9	-	82.3	81.5	80.7	80.7	-
2282	Throwing and winding mills	25.4	25.4	23.5	23.7	-	22.3	22.3	20.7	21.0	-
229	Miscellaneous textile goods	67.2	65.5	64.9	64.8	-	53.4	51.8	51.3	51.1	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	<b>1,318.4</b>	<b>1,304.2</b>	<b>1,284.6</b>	<b>1,299.6</b>	<b>1,306.9</b>	<b>1,128.9</b>	<b>1,114.8</b>	<b>1,096.1</b>	<b>1,109.3</b>	<b>1,113.7</b>
231	Men's and boys' suits and coats	76.9	77.5	77.7	77.0	-	66.5	67.0	68.4	67.5	-
232	Men's and boys' furnishings	375.4	377.1	356.7	356.5	-	322.2	323.2	304.6	304.8	-
2321	Men's and boys' shirts and nightwear	103.1	103.5	98.3	99.2	-	89.4	89.9	84.2	85.0	-
2327	Men's and boys' separate trousers	79.6	79.9	77.3	77.1	-	69.6	70.0	67.8	67.4	-
2328	Men's and boys' work clothing	108.5	109.3	103.2	101.4	-	90.9	91.2	86.6	85.2	-
233	Women's and misses' outerwear	445.3	441.0	441.7	451.6	-	386.0	381.7	379.9	389.2	-
2331	Women's and misses' blouses and waists	62.6	62.8	63.1	64.3	-	54.4	54.7	55.1	56.3	-
2335	Women's and misses' dresses	165.4	159.4	155.2	162.1	-	147.6	141.5	137.6	144.1	-
2337	Women's and misses' suits and coats	59.4	61.1	59.2	59.8	-	51.3	52.6	50.7	51.0	-
2339	Women's and misses' outerwear, nec.	157.9	157.7	164.2	165.4	-	132.7	132.9	136.5	137.8	-
234	Women's and children's undergarments	91.0	90.5	87.9	88.0	-	77.6	77.0	75.1	75.0	-
2341	Women's and children's underwear	72.8	72.4	70.4	70.3	-	63.2	62.7	61.4	61.1	-
2342	Brassieres and allied garments	18.2	18.1	17.5	17.7	-	14.4	14.3	13.7	13.9	-
236	Children's outerwear	64.5	63.5	62.9	63.2	-	55.0	54.5	53.5	53.5	-
2361	Children's dresses and blouses	25.4	25.0	25.6	25.4	-	22.8	22.6	23.0	22.8	-
238	Misc. apparel and accessories	57.4	57.0	56.2	57.2	-	49.3	49.0	47.9	48.9	-
239	Misc. fabricated textile products	187.7	178.0	181.8	186.8	-	154.9	145.5	149.6	153.6	-
2391	Curtains and draperies	29.3	28.9	27.4	27.7	-	25.1	24.5	22.8	23.0	-
2392	House furnishings, nec.	53.4	52.0	49.6	50.9	-	44.1	42.9	41.2	41.8	-
2396	Automotive and apparel trimmings	33.2	27.1	35.2	37.3	-	27.3	21.3	29.1	31.2	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	<b>701.8</b>	<b>698.8</b>	<b>687.9</b>	<b>689.0</b>	<b>690.7</b>	<b>531.9</b>	<b>528.5</b>	<b>517.6</b>	<b>519.4</b>	<b>520.7</b>
261, 26	Paper and pulp mills	205.2	204.3	203.5	204.5	-	154.0	153.0	152.9	153.7	-
262	Paper mills, except building paper	176.4	176.7	176.0	177.1	-	131.0	131.1	131.0	131.9	-
263	Paperboard mills	65.1	64.5	63.5	63.6	-	50.9	50.5	49.6	49.8	-
264	Misc. converted paper products	219.7	218.9	214.3	215.2	-	163.8	162.9	157.4	158.2	-
2641	Paper coating and glazing	57.8	57.6	56.9	56.8	-	37.8	37.5	36.2	36.3	-
2642	Envelopes	25.5	25.4	25.5	25.6	-	20.0	20.0	20.0	20.1	-
2643	Bags, except textile bags	50.9	50.3	49.9	49.7	-	39.9	39.3	39.2	38.8	-
265	Paperboard containers and boxes	211.8	211.1	206.6	205.7	-	163.2	162.1	157.7	157.7	-
2651	Folding paperboard boxes	44.7	44.5	44.3	44.0	-	35.4	35.2	34.8	34.6	-
2653	Corrugated and solid fiber boxes	109.3	108.6	106.0	105.3	-	80.8	80.0	77.7	77.5	-
2654	Sanitary food containers	26.9	26.7	26.3	26.4	-	22.3	21.9	21.5	21.6	-
27	<b>PRINTING AND PUBLISHING</b>	<b>1,272.1</b>	<b>1,270.4</b>	<b>1,286.8</b>	<b>1,291.9</b>	<b>1,292.5</b>	<b>717.5</b>	<b>716.8</b>	<b>721.6</b>	<b>725.2</b>	<b>723.3</b>
271	Newspapers	431.2	430.9	436.3	436.9	-	169.6	169.3	169.2	168.8	-
272	Periodicals	82.2	81.8	84.8	85.3	-	14.5	14.8	16.6	16.7	-
273	Books	107.8	107.8	107.1	107.4	-	57.6	57.3	57.4	57.7	-
2731	Book publishing	73.9	74.0	73.6	74.0	-	29.0	28.8	29.3	29.7	-
2732	Book printing	33.9	33.8	33.5	33.4	-	28.6	28.5	28.1	28.0	-
274	Miscellaneous publishing	46.0	46.1	49.7	49.3	-	26.6	26.3	26.8	26.6	-
275	Commercial printing	423.9	424.0	431.5	435.8	-	314.7	315.1	320.4	323.9	-
2751	Commercial printing, letterpress	168.3	168.6	170.5	172.2	-	123.9	125.0	126.4	127.6	-
2752	Commercial printing, lithographic	231.6	231.2	236.5	239.0	-	171.2	170.3	173.8	176.0	-
276	Manifold business forms	48.0	47.7	46.6	46.4	-	33.6	33.6	33.0	32.8	-
278	Blankbooks and bookbinding	55.0	64.3	62.9	63.6	-	53.6	52.8	51.1	51.7	-
279	Printing trade services	45.5	45.0	45.8	45.9	-	33.8	33.5	34.0	33.9	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	<b>1,118.1</b>	<b>1,120.6</b>	<b>1,108.8</b>	<b>1,113.1</b>	<b>1,114.9</b>	<b>634.7</b>	<b>636.7</b>	<b>625.1</b>	<b>629.5</b>	<b>632.4</b>
281	Industrial inorganic chemicals	166.3	166.1	166.5	166.8	-	90.4	90.5	90.1	90.3	-
2819	Industrial inorganic chemicals, nec.	108.8	108.8	109.2	109.4	-	60.5	60.6	59.5	59.5	-
282	Plastics materials and synthetics	208.8	209.4	198.0	198.7	-	140.3	140.7	129.8	130.6	-
2821	Plastics materials and resins	36.5	86.4	82.5	82.8	-	52.4	52.1	47.9	48.0	-
2824	Organic fibers, noncellulosic	94.9	94.8	89.6	89.7	-	68.4	68.2	63.1	63.4	-
283	Drugs	198.1	198.5	201.9	201.9	-	98.9	98.5	100.5	100.6	-
2834	Pharmaceutical preparations	158.2	158.4	161.4	161.2	-	76.4	76.1	78.7	78.9	-
284	Soap, cleaners, and toilet goods	136.7	137.1	139.3	140.2	-	82.8	82.8	86.6	87.4	-
2841	Soap and other detergents	40.1	40.8	40.5	40.4	-	25.6	26.3	26.6	26.4	-
2844	Toilet preparations	57.2	56.6	58.8	60.0	-	35.4	34.7	38.3	39.6	-
2842, 3	Polishing, sanitation, and finishing preparations	39.4	39.7	40.0	39.8	-	21.8	21.8	21.7	21.4	-
285	Paints and allied products	67.4	67.2	65.7	66.1	-	34.6	34.6	32.5	32.7	-
286	Industrial organic chemicals	173.4	173.7	170.7	170.8	-	87.8	88.4	86.1	86.8	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
2865	Cyclic crudes and intermediates . . . . .	38.4	38.1	36.2	36.2	-	23.7	23.5	21.8	21.9	-
2861,9	Gum, wood, and industrial organic chemicals, nec . . . . .	135.0	135.6	134.5	134.6	-	64.1	64.9	64.3	64.9	-
287	Agricultural chemicals . . . . .	72.9	74.1	71.4	72.7	-	46.6	47.5	44.6	45.9	-
289	Miscellaneous chemical products . . . . .	94.5	94.5	95.3	95.9	-	53.3	53.7	54.9	55.2	-
29	<b>PETROLEUM AND COAL PRODUCTS . . . . .</b>	153.1	173.6	206.6	208.5	209.9	84.5	107.7	130.3	131.8	133.7
291	Petroleum refining . . . . .	109.9	130.3	168.0	168.7	-	53.0	76.1	102.9	103.4	-
295	Paving and roofing materials . . . . .	30.3	30.3	26.0	27.0	-	23.2	23.3	19.3	20.2	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS . . . . .</b>	746.5	737.2	711.2	714.5	722.8	580.1	570.3	550.3	552.8	560.8
301	Tires and inner tubes . . . . .	107.5	107.4	101.1	101.0	-	75.5	75.4	71.9	71.6	-
302	Rubber and plastics footwear . . . . .	22.8	23.0	21.0	20.9	-	20.1	20.4	18.7	18.5	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting . . . . .	22.8	22.7	21.0	21.3	-	16.3	16.0	14.5	14.9	-
306	Fabricated rubber products, nec . . . . .	111.6	109.8	105.8	105.7	-	86.6	84.9	81.9	81.9	-
307	Miscellaneous plastics products . . . . .	481.8	474.3	462.3	465.6	-	381.6	373.6	363.3	365.9	-
31	<b>LEATHER AND LEATHER PRODUCTS . . . . .</b>	243.4	243.3	239.9	241.4	244.9	205.8	205.3	202.9	203.9	207.8
311	Leather tanning and finishing . . . . .	18.9	18.9	19.3	19.6	-	15.8	15.6	16.1	16.3	-
314	Footwear, except rubber . . . . .	151.6	154.1	152.7	153.0	-	129.2	131.4	130.8	130.7	-
3143	Men's footwear, except athletic . . . . .	56.6	57.7	60.0	60.3	-	48.7	49.8	51.4	51.4	-
3144	Women's footwear, except athletic . . . . .	61.7	62.6	57.6	57.0	-	51.9	52.4	49.2	48.6	-
316	Luggage . . . . .	15.2	14.9	13.5	13.8	-	11.6	11.3	10.1	10.5	-
317	Handbags and personal leather goods . . . . .	32.5	31.0	29.7	30.5	-	27.9	26.5	25.2	25.8	-
-	<b>TRANSPORTATION AND PUBLIC UTILITIES . . . . .</b>	5,143	5,147	5,089	5,101	5,114	4,296	4,299	4,225	4,232	4,249
40	<b>RAILROAD TRANSPORTATION . . . . .</b>	533.9	539.4	508.5	510.8	-	-	-	-	-	-
4011	Class I railroads <sup>2</sup> . . . . .	481.6	466.6	459.2	461.2	-	-	-	-	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT . . . . .</b>	281.2	275.6	282.4	282.4	-	259.5	254.3	262.0	261.7	-
411	Local and suburban transportation . . . . .	80.5	79.2	84.6	85.7	-	73.4	72.2	77.6	78.6	-
412	Taxicabs . . . . .	60.6	59.3	57.7	57.4	-	-	-	-	-	-
413	Intercity highway transportation . . . . .	37.9	39.4	40.4	39.7	-	34.9	36.4	37.0	36.3	-
415	School buses . . . . .	87.3	83.0	85.8	85.9	-	-	-	-	-	-
42	<b>TRUCKING AND WAREHOUSING . . . . .</b>	1,295.0	1,285.4	1,222.9	1,227.7	-	1,135.9	1,126.0	1,064.3	1,068.8	-
421,3	Trucking and trucking terminals . . . . .	1,203.5	1,196.3	1,139.2	1,145.8	-	1,057.7	1,050.1	994.1	1,000.0	-
422	Public warehousing . . . . .	91.5	89.1	83.7	81.9	-	78.2	75.9	70.2	68.8	-
44	<b>WATER TRANSPORTATION . . . . .</b>	205.0	212.3	198.5	200.7	-	-	-	-	-	-
45	<b>TRANSPORTATION BY AIR . . . . .</b>	452.7	452.9	450.9	452.8	-	-	-	-	-	-
451,2	Air transportation . . . . .	403.7	404.1	402.2	403.4	-	-	-	-	-	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS . . . . .</b>	19.1	19.4	19.6	19.5	-	13.5	13.8	13.7	13.8	-
47	<b>TRANSPORTATION SERVICES . . . . .</b>	195.6	193.4	193.0	196.6	-	-	-	-	-	-
48	<b>COMMUNICATION . . . . .</b>	1,342.1	1,346.0	1,358.0	1,355.0	-	1,004.2	1,005.2	1,014.0	1,011.9	-
481	Telephone communication . . . . .	1,068.9	1,072.4	1,073.8	1,070.1	-	779.2	780.5	783.1	780.0	-
483	Radio and television broadcasting . . . . .	199.1	199.5	204.2	204.2	-	160.2	160.2	163.7	164.2	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES . . . . .</b>	818.4	822.4	855.0	855.6	-	669.8	673.3	696.5	696.6	-
491	Electric services . . . . .	384.4	386.7	404.1	403.2	-	310.2	312.2	327.6	326.7	-
492	Gas production and distribution . . . . .	165.7	165.9	171.5	172.3	-	135.1	135.4	139.9	140.2	-
493	Combination utility services . . . . .	196.3	197.2	206.0	206.2	-	162.2	162.9	166.0	166.1	-
495	Sanitary services . . . . .	49.4	49.8	50.8	51.1	-	43.7	43.9	44.4	44.8	-
-	<b>WHOLESALE AND RETAIL TRADE . . . . .</b>	20,226	20,373	20,396	20,494	20,710	17,737	17,870	17,809	17,909	18,107
50,51	<b>WHOLESALE TRADE . . . . .</b>	5,269	5,265	5,275	5,295	5,321	4,316	4,312	4,288	4,305	4,328
50	<b>WHOLESALE TRADE - DURABLE GOODS . . . . .</b>	3,148	3,143	3,135	3,150	-	2,581	2,575	2,548	2,560	-
501	Motor vehicles and automotive equipment . . . . .	433.9	429.8	421.8	422.1	-	351.7	348.1	338.6	339.0	-
502	Furniture and home furnishing . . . . .	116.0	115.5	118.3	119.4	-	94.5	94.4	96.3	97.4	-
503	Lumber and construction materials . . . . .	193.6	189.9	188.8	190.2	-	159.8	155.7	155.1	156.2	-
504	Sporting goods, toys, and hobby goods . . . . .	71.3	71.9	75.9	77.3	-	58.5	59.0	60.6	61.7	-
505	Metals and minerals, except petroleum . . . . .	155.9	155.6	153.6	154.7	-	127.1	126.4	123.1	124.0	-
506	Electrical goods . . . . .	412.5	411.5	407.4	406.9	-	337.3	335.9	329.8	327.8	-
507	Hardware, plumbing, and heating equipment . . . . .	247.7	244.9	244.1	244.0	-	204.7	201.7	199.6	199.7	-

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
	<b>WHOLESALE TRADE-DURABLE GOODS—</b>										
	Continued										
508	Machinery, equipment, and supplies .....	1,303.3	1,310.4	1,315.0	1,323.3	-	1,065.6	1,072.5	1,066.8	1,075.0	-
509	Miscellaneous durable goods .....	214.0	213.4	210.0	211.6	-	181.8	181.5	177.7	179.1	-
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> ..	2,121	2,122	2,140	2,145	-	1,735	1,737	1,740	1,745	-
511	Paper and paper products .....	147.6	148.0	150.3	150.4	-	120.4	120.7	122.0	121.7	-
512	Drugs, proprietaries, and sundries .....	152.0	152.6	156.2	155.1	-	128.9	129.4	132.5	131.1	-
513	Apparel, piece goods, and notions .....	175.6	174.6	178.5	179.6	-	139.5	138.6	140.4	141.5	-
514	Groceries and related products .....	631.2	636.0	649.4	649.9	-	543.5	548.4	555.6	556.7	-
516	Chemicals and allied products .....	126.7	125.9	127.9	128.7	-	94.0	93.2	92.3	92.6	-
517	Petroleum and petroleum products .....	228.2	230.3	235.3	235.5	-	165.9	168.5	170.9	172.4	-
518	Beer, wine, and distilled beverages .....	135.1	133.9	136.9	137.2	-	113.5	112.6	114.1	114.4	-
519	Miscellaneous nondurable goods .....	388.3	390.8	380.8	384.8	-	318.0	319.4	309.5	313.6	-
52-59	<b>RETAIL TRADE</b> .....	14,957	15,108	15,121	15,199	15,389	13,421	13,558	13,521	13,604	13,779
52	<b>BUILDING MATERIALS AND GARDEN</b>										
	SUPPLIES .....	617.6	623.5	598.8	610.6	-	521.8	527.3	502.2	514.5	-
521	Lumber and other building materials .....	326.9	325.0	317.4	319.2	-	275.9	274.3	266.4	268.3	-
525	Hardware stores .....	152.9	153.8	150.9	152.3	-	130.9	131.5	128.2	129.6	-
53	<b>GENERAL MERCHANDISE STORES</b> .....	2,167.7	2,157.5	2,150.2	2,134.9	-	2,012.7	2,004.1	1,967.6	1,954.7	-
531	Department stores .....	1,772.0	1,757.1	1,758.3	1,739.0	-	1,657.0	1,644.7	1,618.5	1,603.3	-
533	Variety stores .....	259.7	263.3	258.7	261.0	-	239.1	242.9	236.1	237.7	-
539	Misc. general merchandise stores .....	136.0	137.1	133.2	134.9	-	116.6	116.5	113.0	113.7	-
54	<b>FOOD STORES</b> .....	2,349.9	2,351.8	2,432.5	2,431.5	-	2,171.3	2,170.8	2,253.8	2,252.3	-
541	Grocery stores .....	2,058.5	2,059.8	2,137.6	2,133.4	-	1,905.5	1,905.1	1,985.5	1,980.9	-
542	Meat markets and freezer provisioners .....	52.8	52.2	53.3	54.1	-	-	-	-	-	-
546	Retail bakeries .....	127.5	127.8	125.2	126.0	-	117.7	117.7	115.0	115.8	-
55	<b>AUTOMOTIVE DEALERS AND SERVICE</b>										
	STATIONS .....	1,762.8	1,756.5	1,711.1	1,710.8	-	1,497.1	1,490.7	1,447.4	1,448.2	-
551,2	New and used car dealers .....	841.4	826.9	786.9	787.4	-	694.4	680.6	645.1	646.0	-
553	Auto and home supply stores .....	261.4	264.9	269.4	266.6	-	226.6	230.0	231.9	229.4	-
554	Gasoline service stations .....	564.2	568.5	566.3	564.7	-	490.7	494.3	494.1	493.2	-
56	<b>APPAREL AND ACCESSORY STORES</b> .....	938.0	942.7	955.6	958.7	-	802.7	806.3	815.4	818.9	-
561	Men's and boys' clothing and furnishings .....	135.8	136.0	138.6	135.4	-	114.5	115.0	117.1	114.3	-
562	Women's ready-to-wear stores .....	350.7	351.8	352.6	356.1	-	303.3	303.3	304.3	307.8	-
565	Family clothing stores .....	176.9	178.1	186.0	186.8	-	153.9	154.9	161.9	163.1	-
566	Shoe stores .....	177.6	180.7	177.4	178.6	-	147.3	150.7	146.0	146.8	-
57	<b>FURNITURE AND HOME FURNISHINGS</b>										
	STORES .....	609.4	605.3	595.6	595.6	-	503.6	500.8	493.0	493.3	-
571	Furniture and home furnishings .....	376.0	374.4	367.6	369.4	-	312.9	312.0	304.9	306.9	-
572	Household appliance stores .....	82.2	81.6	81.8	81.9	-	70.7	70.2	70.1	69.7	-
573	Radio, television, and music stores .....	151.2	149.3	146.2	144.3	-	120.0	118.6	118.0	116.7	-
58	<b>EATING AND DRINKING PLACES</b> .....	4,604.1	4,779.1	4,731.0	4,830.0	-	4,234.3	4,398.0	4,344.8	4,446.1	-
59	<b>MISCELLANEOUS RETAIL</b> .....	1,907.8	1,891.5	1,946.2	1,926.4	-	1,677.5	1,660.4	1,696.9	1,676.0	-
591	Drug stores and proprietary stores .....	507.0	503.9	501.1	496.6	-	462.9	459.4	453.0	448.1	-
592	Liquor stores .....	131.6	129.5	130.8	129.1	-	-	-	-	-	-
594	Miscellaneous shopping goods stores .....	585.0	579.0	618.2	620.5	-	498.6	494.2	525.7	525.7	-
596	Nonstore retailers .....	272.9	266.1	271.0	269.4	-	255.3	247.9	250.8	248.4	-
598	Fuel and ice dealers .....	110.6	105.6	112.2	108.9	-	93.2	88.4	94.8	91.4	-
599	Retail stores, nec. ....	242.0	249.2	256.2	245.8	-	205.1	210.6	214.1	206.0	-
-	<b>FINANCE, INSURANCE, AND REAL</b>										
	ESTATE ? .....	5,085	5,104	5,235	5,253	5,284	3,844	3,861	3,939	3,954	3,986
60	<b>BANKING</b> .....	1,532.8	1,535.2	1,574.3	1,578.3	-	1,182.4	1,183.7	1,204.3	1,206.6	-
602	Commercial and stock savings banks .....	1,395.8	1,401.4	1,434.6	1,438.3	-	1,074.2	1,074.6	1,091.1	1,093.2	-
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	561.6	558.4	568.6	568.5	-	427.9	423.1	429.1	428.3	-
612	Savings and loan associations .....	240.9	238.9	258.2	258.5	-	184.3	182.4	196.5	196.2	-
614	Personal credit institutions .....	214.1	212.1	203.4	203.0	-	161.7	160.1	152.9	152.6	-
62	<b>SECURITY, COMMODITY BROKERS, AND</b>										
	SERVICES .....	207.9	209.3	224.8	226.0	-	-	-	-	-	-
621	Security brokers and dealers .....	165.0	166.2	179.3	180.3	-	-	-	-	-	-
63	<b>INSURANCE CARRIERS</b> .....	1,233.4	1,233.2	1,250.2	1,251.1	-	860.5	861.9	869.7	868.9	-
631	Life insurance .....	535.2	535.4	543.9	544.1	-	321.0	323.8	336.7	335.6	-

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 <sup>1</sup>				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
	<b>INSURANCE CARRIERS—Continued</b>										
632	Medical service and health insurance .....	139.3	139.7	142.7	142.7	-	111.2	111.7	114.1	114.0	-
633	Fire, marine, and casualty insurance .....	487.1	487.9	493.9	494.6	-	371.2	370.7	364.4	364.8	-
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b> .....	448.3	450.3	464.3	465.6	-	-	-	-	-	-
65	<b>REAL ESTATE</b> .....	956.9	975.7	1,001.5	1,011.4	-	-	-	-	-	-
651	Real estate operators and lessors .....	451.7	458.7	473.8	479.3	-	-	-	-	-	-
653	Real estate agents and managers .....	360.7	364.8	380.2	381.8	-	-	-	-	-	-
655	Subdividers and developers .....	122.1	130.0	125.7	128.6	-	-	-	-	-	-
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC.</b> .....	23.5	23.3	23.6	23.5	-	-	-	-	-	-
67	<b>HOLDING AND OTHER INVESTMENT OFFICES.</b> .....	118.1	118.6	127.4	128.7	-	-	-	-	-	-
-	<b>SERVICES</b> .....	17,478	17,636	17,945	18,107	18,296	15,549	15,696	15,940	16,090	16,269
70	<b>HOTELS AND OTHER LODGING PLACES</b> .....	1,013.9	1,059.8	972.3	995.2	-	-	-	-	-	-
701	Hotels, motels, and tourist courts .....	979.9	1,024.7	941.6	964.0	-	900.9	941.2	862.3	883.4	-
72	<b>PERSONAL SERVICES</b> .....	951.9	950.9	939.2	940.7	-	-	-	-	-	-
721	Laundry, cleaning, and garment services .....	354.6	353.8	351.1	351.1	-	316.2	315.9	313.7	313.4	-
723	Beauty shops .....	293.2	293.3	292.4	291.1	-	272.7	272.8	271.5	270.2	-
726	Funeral service and crematories .....	69.3	69.8	73.0	72.8	-	-	-	-	-	-
73	<b>BUSINESS SERVICES</b> .....	2,942.7	2,955.1	3,075.2	3,088.9	-	2,565.4	2,571.8	2,680.9	2,694.3	-
731	Advertising .....	148.8	147.3	149.5	149.0	-	112.8	111.5	113.7	113.9	-
732	Credit reporting and collection .....	73.4	72.7	69.2	69.0	-	-	-	-	-	-
733	Mailing, reproduction, stenographic .....	119.6	120.8	127.7	130.5	-	-	-	-	-	-
734	Services to buildings .....	505.2	508.4	510.3	513.7	-	457.7	460.7	460.7	465.1	-
736	Personnel supply services .....	512.7	506.8	517.1	531.8	-	-	-	-	-	-
737	Computer and data processing services .....	281.9	286.6	316.3	317.4	-	233.6	237.7	265.7	266.3	-
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	589.7	587.5	582.7	584.5	-	503.9	503.4	496.1	497.5	-
753	Automotive repair shops .....	358.1	356.9	353.8	354.1	-	304.0	303.5	300.1	299.9	-
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	305.6	302.9	311.2	311.8	-	262.5	259.4	259.1	260.5	-
78	<b>MOTION PICTURES</b> .....	219.8	219.3	203.8	208.6	-	192.6	192.3	177.5	182.5	-
781	Motion picture production and services .....	90.9	81.1	76.8	76.4	-	76.4	67.2	62.3	62.6	-
783	Motion picture theaters .....	118.7	127.9	116.7	121.8	-	-	-	-	-	-
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	677.7	724.7	663.7	708.3	-	612.9	659.4	594.4	636.4	-
80	<b>HEALTH SERVICES</b> .....	5,138.7	5,150.1	5,378.6	5,402.7	-	4,582.4	4,592.8	4,800.5	4,820.5	-
801	Offices of physicians .....	745.6	746.8	773.5	775.7	-	611.4	611.0	632.9	635.1	-
802	Offices of dentists .....	337.5	336.7	347.9	351.7	-	293.0	293.4	304.5	307.6	-
805	Nursing and personal care facilities .....	973.8	978.9	1,021.1	1,025.8	-	874.7	879.0	921.0	925.7	-
806	Hospitals .....	2,674.5	2,680.5	2,804.8	2,816.3	-	2,451.7	2,458.7	2,568.3	2,577.7	-
81	<b>LEGAL SERVICES</b> .....	467.3	469.2	497.6	499.9	-	400.8	403.0	424.9	427.8	-
82	<b>EDUCATIONAL SERVICES</b> .....	1,173.3	1,168.1	1,196.4	1,206.6	-	-	-	-	-	-
821	Elementary and secondary schools .....	272.7	269.7	278.7	279.5	-	-	-	-	-	-
822	Colleges and universities .....	778.6	775.5	790.8	799.5	-	-	-	-	-	-
83	<b>SOCIAL SERVICES</b> .....	1,123.0	1,129.0	1,186.2	1,196.0	-	-	-	-	-	-
86	<b>MEMBERSHIP ORGANIZATIONS</b> .....	1,554.0	1,560.5	1,594.5	1,600.1	-	-	-	-	-	-
89	<b>MISCELLANEOUS SERVICES</b> .....	1,002.4	1,003.5	1,040.1	1,048.1	-	838.4	840.3	868.5	877.5	-
891	Engineering and architectural services .....	545.8	548.0	566.2	570.1	-	463.4	465.5	479.2	482.7	-
893	Accounting, auditing, and bookkeeping .....	320.4	319.4	336.7	339.8	-	261.7	261.6	274.7	278.9	-
-	<b>GOVERNMENT</b> .....	16,445	16,651	16,373	16,402	16,401	-	-	-	-	-
-	<b>FEDERAL GOVERNMENT</b> .....	2,869	3,103	2,774	2,772	2,776	-	-	-	-	-
-	Executive, by agency <sup>4</sup> .....	2,815.1	3,049.2	2,720.1	2,717.6	-	-	-	-	-	-
-	Department of Defense .....	886.6	888.5	891.6	894.2	-	-	-	-	-	-
-	Postal Service .....	655.7	658.2	654.9	653.9	-	-	-	-	-	-
-	Other executive agencies .....	1,272.8	1,502.5	1,173.6	1,169.5	-	-	-	-	-	-
-	Legislative .....	39.7	39.6	38.6	39.2	-	-	-	-	-	-
-	Judicial .....	14.2	14.2	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 <sup>1</sup>				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
	<b>FEDERAL GOVERNMENT—Continued</b>										
	Federal Government, by industry										
—	Manufacturing activities	123.0	123.4	122.2	122.2	—	—	—	—	—	—
3731	Shipbuilding and repairing	72.7	72.6	73.2	73.2	—	—	—	—	—	—
—	Transportation and public utilities, except										
—	Postal Service	44.4	44.3	44.8	45.9	—	—	—	—	—	—
—	Services	389.4	393.3	387.1	385.0	—	—	—	—	—	—
806	Federal government hospitals	235.2	236.6	232.9	232.4	—	—	—	—	—	—
	<b>STATE AND LOCAL GOVERNMENT</b>	13,576	13,548	13,599	13,630	13,625	—	—	—	—	—
—	State government	3,673.6	3,670.5	3,646.4	3,649.6	—	—	—	—	—	—
806	State government hospitals	546.7	545.6	549.9	550.3	—	—	—	—	—	—
82	State education	1,499.6	1,497.2	1,471.0	1,474.2	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	1,004.9	1,006.1	1,009.1	1,009.5	—	—	—	—	—	—
—	Local government	9,902.7	9,877.3	9,952.9	9,980.5	—	—	—	—	—	—
—	Transportation and public utilities	604.2	589.8	631.7	634.5	—	—	—	—	—	—
806	Local government hospitals	578.8	580.0	602.1	604.2	—	—	—	—	—	—
82	Local education	5,397.1	5,371.8	5,364.0	5,383.0	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	2,946.4	2,955.8	2,979.4	2,982.1	—	—	—	—	—	—

<sup>1</sup> 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.

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

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

<sup>4</sup> 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.

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls by industry**

[In thousands]

1972 SIC Code	Industry	Jan. 1980	Feb. 1980	Dec. 1980	Jan. 1981	Feb. 1981
-	<b>TOTAL</b> .....	37,684	37,889	39,336	38,579	38,712
-	<b>PRIVATE SECTOR</b> .....	30,003	30,054	31,421	30,769	30,772
-	<b>MINING</b> .....	95	97	111	112	114
10	<b>METAL MINING</b> .....	9.0	9.0	9.4	9.5	9.4
11, 12	<b>COAL MINING</b> .....	10.1	10.6	11.9	12.1	12.1
13	<b>OIL AND GAS EXTRACTION</b> .....	67.2	68.6	80.3	81.4	84.0
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	43.0	43.8	51.8	52.4	53.6
138	Oil and gas field services .....	24.2	24.8	28.5	29.0	30.4
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	9.1	9.0	9.0	9.0	8.8
142	Crushed and broken stone .....	2.6	2.5	2.3	2.4	2.4
144	Sand and gravel .....	3.0	3.0	3.0	2.9	2.7
-	<b>CONSTRUCTION</b> .....	368	368	395	392	391
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	130.8	129.8	138.6	137.1	136.1
152	Residential building construction .....	73.3	72.7	79.1	78.0	76.8
153	Operative builders .....	17.1	16.9	15.7	15.7	16.1
154	Nonresidential building construction .....	40.4	40.2	43.8	43.4	43.2
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	52.8	53.0	57.6	53.9	53.0
161	Highway and street construction .....	13.9	14.1	15.5	14.0	13.7
162	Heavy construction, except highway .....	38.9	38.9	42.1	39.9	39.3
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	184.0	185.3	199.1	200.8	201.6
171	Plumbing, heating, air conditioning .....	52.2	52.3	56.4	56.6	56.5
172	Painting, paper hanging, decorating .....	12.2	12.1	12.9	12.8	13.1
173	Electrical work .....	33.5	34.0	37.8	38.2	38.5
174	Masonry, stonework, and plastering .....	21.1	21.7	22.9	23.7	23.9
175	Carpentering and flooring .....	13.7	14.0	14.7	15.2	15.2
176	Roofing and sheet metal work .....	12.5	12.9	13.5	13.4	13.5
-	<b>MANUFACTURING</b> .....	6,445	6,459	6,359	6,299	6,321
24, 25, 32-39	<b>DURABLE GOODS</b> .....	3,114	3,111	3,032	3,015	3,019
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	3,331	3,348	3,327	3,284	3,302
	<b>DURABLE GOODS</b>					
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	108.5	109.2	102.0	101.2	101.0
241	Logging camps and logging contractors .....	4.9	4.7	4.6	4.8	4.7
242	Sawmills and planing mills .....	22.4	22.4	19.9	19.7	19.5
2421	Sawmills and planing mills, general .....	15.7	15.8	14.4	14.2	14.0
243	Millwork, plywood, and structural members .....	43.6	44.2	40.5	41.0	41.1
244	Wooden containers .....	7.0	7.3	7.5	7.1	7.0
245	Wood buildings and mobile homes .....	9.8	9.7	8.3	8.0	8.0
249	Miscellaneous wood products .....	20.8	20.9	21.2	20.6	20.7
25	<b>FURNITURE AND FIXTURES</b> .....	147.9	146.1	143.7	142.8	144.1
251	Household furniture .....	108.4	106.9	104.4	103.3	104.0
2511	Wood household furniture .....	46.4	45.6	45.9	45.3	45.4
2512	Upholstered household furniture .....	35.7	35.7	34.4	34.1	34.0
2515	Mattresses and bedsprings .....	8.4	8.2	7.5	7.6	7.9
252	Office furniture .....	12.5	12.3	12.7	13.0	13.1
253	Public building and related furniture .....	5.5	5.4	5.2	5.3	5.3
254	Partitions and fixtures .....	10.5	10.5	10.3	10.4	10.4
259	Miscellaneous furniture and fixtures .....	11.0	11.0	11.1	10.8	11.3
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	132.5	131.7	126.2	125.9	126.2
322	Glass and glassware, pressed or blown .....	43.7	43.0	41.1	40.9	41.0
3221	Glass containers .....	24.2	23.7	22.2	22.3	22.3
3229	Pressed and blown glass, nec .....	19.5	19.3	18.9	18.6	18.7
323	Products of purchased glass .....	13.6	13.6	13.2	13.3	13.3
324	Cement, hydraulic .....	1.7	1.7	1.7	1.8	1.8
325	Structural clay products .....	7.0	7.0	6.4	6.2	6.2
326	Pottery and related products .....	16.2	16.4	14.8	14.6	14.7
327	Concrete, gypsum, and plaster products .....	15.3	15.0	14.8	14.8	14.5
329	Misc. nonmetallic mineral products .....	32.5	32.4	31.4	31.5	31.8
33	<b>PRIMARY METAL INDUSTRIES</b> .....	131.5	131.5	124.2	124.6	124.0
331	Blast furnace and basic steel products .....	42.0	42.2	39.0	39.3	40.1
3312	Blast furnaces and steel mills .....	31.8	32.0	29.0	29.4	29.9
332	Iron and steel foundries .....	19.0	19.1	18.2	18.2	18.0

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Jan. 1980	Feb. 1980	Dec. 1980	Jan. 1981	Feb. 1981
<b>PRIMARY METAL INDUSTRIES—Continued</b>						
3321	Gray iron foundries .....	8.5	8.4	8.5	8.5	8.4
3322	Malleable iron foundries .....	1.3	1.3	1.0	1.0	1.1
3325	Steel foundries, nec .....	5.3	5.4	4.8	4.8	4.7
333	Primary nonferrous metals .....	4.9	4.9	4.8	4.9	4.9
3334	Primary aluminum .....	2.0	2.0	2.1	2.1	2.1
335	Nonferrous rolling and drawing .....	43.2	43.0	42.2	42.2	40.5
3351	Copper rolling and drawing .....	3.6	3.6	3.1	3.2	3.3
3353	Aluminum sheet, plate, and foil .....	4.4	4.5	4.2	4.2	4.1
3357	Nonferrous wire drawing and insulating .....	26.3	26.0	26.7	26.7	25.0
336	Nonferrous foundries .....	16.7	16.5	14.3	14.4	14.7
3361	Aluminum foundries .....	8.7	8.7	7.2	7.4	7.6
34	<b>FABRICATED METAL PRODUCTS</b> .....	359.5	357.4	338.9	335.1	335.2
341	Metal cans and shipping containers .....	14.0	14.2	12.6	12.9	13.1
3411	Metal cans .....	12.1	12.2	10.7	11.0	11.1
342	Cutlery, hand tools, and hardware .....	62.0	61.3	58.3	57.2	57.5
3423, 5	Hand and edge tools, and hand saws and blades .....	17.9	17.6	16.4	16.3	16.5
3429	Hardware, nec .....	37.0	36.6	35.0	34.1	34.3
343	Plumbing and heating, except electric .....	19.4	19.3	16.1	15.9	16.0
344	Fabricated structural metal products .....	76.1	75.2	72.9	72.0	71.8
3441	Fabricated structural metal .....	8.2	8.2	7.7	7.7	7.7
3442	Metal doors, sash, and trim .....	22.9	22.3	22.0	21.0	20.5
3443	Fabricated plate work (boiler shops) .....	17.8	17.8	18.4	18.4	18.3
3444	Sheet metal work .....	16.8	16.6	15.3	15.4	15.6
345	Screw machine products, bolts, etc. ....	26.3	26.3	23.7	23.4	23.6
3451	Screw machine products .....	13.5	13.6	12.3	12.2	12.3
3452	Bolts, nuts, rivets, and washers .....	12.8	12.7	11.4	11.2	11.3
346	Metal forgings and stampings .....	54.2	54.1	53.2	52.0	51.5
3462	Iron and steel forgings .....	4.6	4.7	4.9	4.8	4.8
3465	Automotive stampings .....	11.9	12.0	12.6	11.5	10.8
3469	Metal stampings, nec .....	35.6	35.3	33.5	33.4	33.7
347	Metal services, nec .....	26.6	26.7	25.8	25.7	25.4
3471	Plating and polishing .....	18.1	18.1	17.9	17.8	17.7
3479	Metal coating and allied services .....	8.5	8.6	7.9	7.9	7.7
348	Ordinance and accessories, nec .....	18.1	17.9	17.5	17.4	17.3
349	Misc. fabricated metal products .....	62.8	62.4	58.8	58.6	59.0
3494	Valves and pipe fittings .....	24.2	24.1	22.1	22.3	22.4
3496	Misc. fabricated wire products .....	14.7	14.7	14.1	13.7	13.8
35	<b>MACHINERY, EXCEPT ELECTRICAL</b> .....	499.6	500.7	501.5	501.8	502.6
351	Engines and turbines .....	27.7	26.8	24.7	24.6	24.3
3511	Turbines and turbine generator sets .....	5.8	5.8	5.8	5.6	5.7
3519	Internal combustion engines, nec .....	21.9	21.0	18.9	19.0	18.6
352	Farm and garden machinery .....	28.6	28.8	28.0	28.5	28.2
3523	Farm machinery and equipment .....	21.7	21.8	21.8	22.0	21.7
353	Construction and related machinery .....	48.9	48.8	50.9	51.0	51.4
3531	Construction machinery .....	16.5	16.1	15.1	15.3	15.4
3533	Oil field machinery .....	12.7	12.8	15.0	15.1	15.2
354	Metalworking machinery .....	58.6	59.6	57.8	57.4	57.7
3541	Machine tools, metal cutting types .....	10.3	10.5	10.4	10.5	10.6
3544	Special dies, tools, jigs, and fixtures .....	15.1	15.4	15.3	14.8	15.0
3545	Machine tool accessories .....	14.0	14.2	13.5	13.4	13.4
355	Special industry machinery .....	30.6	30.9	31.0	30.9	30.7
3551	Food products machinery .....	6.6	6.6	6.2	6.1	6.0
3552	Textile machinery .....	5.3	5.4	5.1	5.1	5.1
3555	Printing trades machinery .....	6.3	6.4	7.3	7.3	7.2
356	General industrial machinery .....	64.6	65.1	63.0	63.1	63.5
3561	Pumps and pumping equipment .....	11.5	11.6	11.2	11.3	11.4
3562	Ball and roller bearings .....	14.6	14.6	14.4	14.5	14.7
357	Office and computing machines .....	150.1	150.4	160.8	160.2	160.0
3573	Electronic computing equipment .....	121.8	122.1	132.9	132.5	132.6
358	Refrigeration and service machinery .....	40.3	40.1	38.0	38.5	38.7
3585	Refrigeration and heating equipment .....	27.1	26.8	25.6	26.0	26.1
359	Misc. machinery, except electrical .....	50.2	50.2	47.3	47.6	48.1
3599	Machinery, except electrical, nec .....	39.2	39.4	37.5	37.5	37.5
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b> .....	925.5	924.8	910.7	907.3	907.7
361	Electric distributing equipment .....	45.9	45.4	44.1	43.7	44.6
3612	Transformers .....	20.3	19.7	17.5	17.5	18.1
3613	Switchgear and switchboard apparatus .....	25.6	25.7	26.6	26.2	26.5
362	Electrical industrial apparatus .....	94.9	95.3	87.7	89.1	89.5
3621	Motors and generators .....	51.7	51.8	47.2	48.6	48.8
3622	Industrial controls .....	29.3	29.5	27.7	27.7	27.7
363	Household appliances .....	62.8	62.3	62.4	61.2	61.7
3632	Household refrigerators and freezers .....	10.8	10.8	10.1	10.7	11.3
3633	Household laundry equipment .....	5.2	5.1	4.7	4.7	4.4
3634	Electric housewares and fans .....	27.8	27.2	28.6	27.6	28.3
364	Electric lighting and wiring equipment .....	103.3	102.6	95.6	95.0	95.2
3641	Electric lamps .....	23.7	23.2	21.7	21.4	21.2

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Jan. 1980	Feb. 1980	Dec. 1980	Jan. 1981	Feb. 1981
<b>ELECTRIC AND ELECTRONIC EQUIPMENT—Continued</b>						
3643	Current-carrying wiring devices .....	46.9	46.5	43.5	43.2	43.6
365	Radio and TV receiving equipment .....	58.9	58.1	59.4	58.1	57.5
3651	Radio and TV receiving sets .....	44.3	43.6	44.3	44.2	43.9
366	Communication equipment .....	210.1	211.5	212.1	212.7	212.8
3661	Telephone and telegraph apparatus .....	86.2	87.2	80.6	81.3	81.3
3662	Radio and TV communication equipment .....	123.9	124.3	131.5	131.4	131.5
367	Electronic components and accessories .....	291.5	291.7	287.8	286.4	285.2
3671-3	Electronic tubes .....	17.0	17.1	17.3	17.4	17.5
3674	Semiconductors and related devices .....	103.2	102.6	107.6	106.3	105.4
3679	Electronic components, nec .....	116.6	117.3	115.3	115.0	114.7
369	Misc. electrical equipment and supplies .....	58.1	57.9	61.6	61.1	61.2
3694	Engine electrical equipment .....	26.6	26.2	30.0	29.5	29.3
<b>TRANSPORTATION EQUIPMENT</b>						
37	Motor vehicles and equipment .....	310.9	309.9	296.1	293.9	293.7
371	Motor vehicles and equipment .....	120.3	119.0	105.7	102.1	98.7
3711	Motor vehicles and car bodies .....	45.7	45.3	39.1	37.1	34.9
3713	Truck and bus bodies .....	5.0	5.2	4.1	3.9	3.8
3714	Motor vehicle parts and accessories .....	66.6	65.6	59.2	57.8	56.6
372	Aircraft and parts .....	119.4	118.7	121.8	123.7	123.6
3721	Aircraft .....	65.9	64.9	65.4	66.9	67.4
3724	Aircraft engines and engine parts .....	27.8	27.7	29.1	29.4	29.0
3728	Aircraft equipment, nec .....	25.7	26.1	27.3	27.4	27.2
373	Ship and boat building and repairing .....	23.3	23.5	21.6	21.5	22.1
3731	Ship building and repairing .....	16.2	16.3	15.5	15.6	15.9
374	Railroad equipment .....	7.0	7.0	6.0	5.7	5.6
376	Guided missiles, space vehicles, parts .....	23.0	23.3	26.2	26.3	26.5
3761	Guided missiles and space vehicles .....	19.1	19.4	21.8	21.8	22.0
379	Miscellaneous transportation equipment .....	10.3	10.5	9.5	9.1	9.0
<b>INSTRUMENTS AND RELATED PRODUCTS</b>						
38	Engineering and scientific instruments .....	296.9	298.3	298.2	296.4	295.9
381	Engineering and scientific instruments .....	23.9	24.0	24.8	24.9	24.9
382	Measuring and controlling devices .....	104.2	104.2	103.3	103.1	102.5
3822	Environmental controls .....	24.8	24.8	23.1	22.7	22.6
3823	Process control instruments .....	17.4	17.6	18.6	18.7	18.8
3825	Instruments to measure electricity .....	44.6	44.6	45.6	45.9	46.2
383	Optical instruments and lenses .....	12.0	12.2	11.8	11.7	11.9
384	Medical instruments and supplies .....	77.3	77.8	79.8	79.3	80.0
3841	Surgical and medical instruments .....	35.9	36.2	37.2	36.9	37.0
3842	Surgical appliances and supplies .....	33.8	34.0	34.7	34.5	35.0
385	Ophthalmic goods .....	27.5	27.6	27.2	26.6	26.6
386	Photographic equipment and supplies .....	36.9	36.9	38.6	38.3	38.0
387	Watches, clocks, and watchcases .....	15.1	15.6	12.7	12.5	12.0
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>						
39	Jewelry, silverware, and plated ware .....	200.7	201.7	190.9	185.5	188.3
391	Jewelry, silverware, and plated ware .....	26.2	25.1	27.5	25.4	25.4
393	Musical instruments .....	10.0	9.7	9.8	9.8	9.6
394	Toys and sporting goods .....	60.1	62.1	53.2	52.6	55.0
3942, 4	Dolls, games, toys, and children's vehicles .....	29.0	30.2	26.1	26.1	28.5
3949	Sporting and athletic goods, nec .....	31.1	31.9	27.1	26.5	26.5
395	Pens, pencils, office and art supplies .....	21.9	22.2	22.0	21.5	21.3
396	Costume jewelry and notions .....	31.8	31.9	30.2	28.6	28.2
399	Miscellaneous manufactures .....	50.7	50.7	48.2	47.6	48.8
<b>NONDURABLE GOODS</b>						
<b>FOOD AND KINDRED PRODUCTS</b>						
20	Meat products .....	478.7	474.2	488.4	468.6	463.5
201	Meat products .....	115.6	115.8	118.5	114.8	114.1
2011	Meat packing plants .....	29.3	29.3	29.5	28.6	28.5
2013	Sausages and other prepared meats .....	20.3	20.1	20.1	19.7	19.6
2016	Poultry dressing plants .....	57.7	57.7	61.2	58.7	58.3
202	Dairy products .....	36.0	35.9	37.4	36.4	35.9
2026	Fluid milk .....	17.9	18.0	18.0	18.0	18.0
203	Preserved fruits and vegetables .....	82.7	81.4	83.5	76.6	75.8
2032	Canned specialties .....	9.0	8.4	8.7	8.5	8.3
2033	Canned fruits and vegetables .....	25.7	25.6	28.7	24.8	24.2
2037	Frozen fruits and vegetables .....	17.3	17.2	15.7	14.3	14.9
204	Grain mill products .....	28.3	28.7	29.3	29.2	28.6
205	Bakery products .....	61.1	60.0	59.2	58.4	58.2
2051	Bread, cake, and related products .....	40.2	39.8	39.4	38.4	38.5
2052	Cookies and crackers .....	20.9	20.2	19.8	20.0	19.7
206	Sugar and confectionery products .....	44.1	42.8	44.6	42.3	41.6
207	Fats and oils .....	5.9	5.8	5.9	5.8	5.8
208	Beverages .....	38.0	38.2	40.7	40.3	40.0
2082	Malt beverages .....	6.8	7.0	7.8	7.7	7.6
2088	Bottled and canned soft drinks .....	17.7	17.8	18.9	18.9	18.9
209	Misc. foods and kindred products .....	67.0	65.6	69.3	64.8	63.5
<b>TOBACCO MANUFACTURES</b>						
21	Cigarettes .....	24.6	24.0	27.0	25.9	25.6
211	Cigarettes .....	13.8	13.7	14.8	14.6	14.7

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Jan. 1980	Feb. 1980	Dec. 1980	Jan. 1981	Feb. 1981
22	<b>TEXTILE MILL PRODUCTS</b>	418.6	421.1	407.1	404.1	404.5
221	Weaving mills, cotton	67.4	67.1	64.9	64.4	63.7
222	Weaving mills, synthetics	50.1	50.1	48.5	48.7	48.2
223	Weaving and finishing mills, wool	7.8	7.8	7.0	7.1	7.1
224	Narrow fabric mills	15.0	15.2	14.6	14.8	14.9
225	Knitting mills	144.7	148.0	145.7	142.6	143.8
2251	Women's hosiery, except socks	24.9	25.1	23.5	23.2	23.1
2252	Hosiery, nec	23.8	23.9	24.1	23.8	23.9
2253	Knit outerwear mills	48.5	51.0	52.5	50.7	51.8
2254	Knit underwear mills	24.3	24.7	24.4	24.3	24.4
2257	Circular knit fabric mills	13.1	13.4	11.8	11.6	11.5
226	Textile finishing, except wool	23.0	23.1	21.1	21.7	21.7
2261	Finishing plants, cotton	9.5	9.5	8.7	9.3	9.3
2262	Finishing plants, synthetic	6.7	6.7	6.5	6.4	6.5
227	Floor covering mills	23.3	23.1	21.7	21.4	21.6
228	Yarn and thread mills	66.4	65.9	64.5	64.5	64.2
2281	Yarn mills, except wool	41.3	40.7	40.6	40.5	40.6
2282	Throwing and winding mills	14.4	14.5	14.1	14.2	13.8
229	Miscellaneous textile goods	20.9	20.8	19.1	18.9	19.3
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	1,039.6	1,060.0	1,033.3	1,022.4	1,038.4
231	Men's and boys' suits and coats	60.3	60.9	61.6	61.0	60.7
232	Men's and boys' furnishings	310.1	314.5	306.5	300.1	299.9
2321	Men's and boys' shirts and nightwear	88.9	89.6	87.2	85.5	85.2
2327	Men's and boys' separate trousers	65.7	66.5	66.0	64.6	64.9
2328	Men's and boys' work clothing	89.8	90.3	88.3	86.5	85.4
233	Women's and misses' outerwear	361.6	373.2	362.5	363.0	376.2
2331	Women's and misses' blouses and waists	53.3	54.4	55.5	55.3	56.1
2335	Women's and misses' dresses	136.5	142.0	128.9	129.0	135.0
2337	Women's and misses' suits and coats	45.4	47.0	51.6	47.5	48.2
2339	Women's and misses' outerwear, nec	126.4	129.8	126.5	131.2	136.9
234	Women's and children's undergarments	78.5	79.1	75.5	75.3	76.2
2341	Women's and children's underwear	63.2	63.7	61.2	61.1	61.8
2342	Brassieres and allied garments	15.3	15.4	14.3	14.2	14.4
236	Children's outerwear	55.3	56.8	52.3	53.0	53.9
2361	Children's dresses and blouses	23.1	23.6	21.9	22.2	22.4
238	Misc. apparel and accessories	42.7	43.5	43.3	42.0	43.4
239	Misc. fabricated textile products	117.7	118.4	117.8	114.3	114.6
2391	Curtains and draperies	23.4	23.2	22.2	21.9	21.6
2392	House furnishings, nec	34.1	33.9	33.0	31.3	31.2
2396	Automotive and apparel trimmings	15.4	15.9	18.8	17.5	17.8
26	<b>PAPER AND ALLIED PRODUCTS</b>	159.6	159.0	158.2	157.1	157.7
261, 2,6	Paper and pulp mills	27.6	27.5	28.4	27.8	27.6
262	Paper mills, except building paper	24.5	24.4	25.4	24.9	24.8
263	Paperboard mills	5.9	5.9	5.8	5.8	5.8
264	Misc. converted paper products	75.2	75.0	73.7	74.0	74.9
265	Paperboard containers and boxes	50.9	50.6	50.3	49.5	49.4
27	<b>PRINTING AND PUBLISHING</b>	498.1	500.2	511.6	506.9	508.3
271	Newspapers	160.0	160.5	165.9	164.2	164.5
272	Periodicals	51.5	50.8	50.4	51.4	50.7
273	Books	56.9	57.2	56.8	57.2	57.7
274	Miscellaneous publishing	25.1	25.1	26.5	27.0	27.2
275	Commercial printing	130.5	132.1	137.4	135.0	135.6
2751	Commercial printing, letterpress	54.9	56.1	57.8	56.4	56.3
2752	Commercial printing, lithographic	69.7	69.8	73.4	72.3	72.7
276	Manifold business forms	15.5	15.4	15.1	14.8	14.7
278	Blankbooks and bookbinding	34.4	34.9	33.5	32.6	33.4
279	Printing trade services	10.5	10.5	11.2	11.1	11.1
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	274.2	276.6	280.9	280.4	282.4
281	Industrial inorganic chemicals	24.4	24.4	25.1	25.0	25.2
2819	Industrial inorganic chemicals, nec	16.1	16.1	16.9	16.8	16.8
282	Plastics materials and synthetics	44.1	44.1	42.2	42.1	42.1
2821	Plastics materials and resins	11.4	11.5	12.0	12.0	11.9
2824	Organic fibers, noncellulosic	26.1	25.9	24.1	23.9	24.0
283	Drugs	81.4	82.0	85.1	85.8	86.2
2834	Pharmaceutical preparations	69.4	69.9	72.1	72.7	73.1
284	Soap, cleaners, and toilet goods	55.2	56.2	57.8	56.5	57.7
2841	Soap and other detergents	8.8	8.7	9.3	9.5	9.3
2844	Toilet preparations	33.7	34.8	35.5	34.1	35.2
285	Paints and allied products	12.7	12.9	12.6	12.7	12.7
286	Industrial organic chemicals	25.5	25.5	25.9	26.2	26.2
2861,9	Gum, wood, and industrial organic chemicals, nec	20.5	20.5	21.3	21.5	21.6
287	Agricultural chemicals	10.3	10.5	10.6	10.4	10.6
289	Miscellaneous chemical products	20.6	21.0	21.6	21.7	21.7

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Jan. 1980	Feb. 1980	Dec. 1980	Jan. 1981	Feb. 1981
29	<b>PETROLEUM AND COAL PRODUCTS</b>	27.7	23.2	28.9	29.2	29.1
291	Petroleum refining	22.5	17.8	23.7	24.0	24.1
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	264.7	262.7	248.6	247.4	248.3
301	Tires and inner tubes	11.0	10.9	9.7	9.6	9.7
302	Rubber and plastics footwear	14.1	13.7	13.5	12.9	13.1
303,4	Reclaimed rubber, and rubber and plastics hose and belting	6.1	5.9	5.4	5.2	5.2
306	Fabricated rubber products, nec	38.9	38.2	36.0	35.9	35.6
307	Miscellaneous plastics products	194.6	194.0	184.0	183.8	184.7
31	<b>LEATHER AND LEATHER PRODUCTS</b>	145.5	147.4	143.1	141.5	143.8
311	Leather tanning and finishing	2.7	2.7	2.8	2.7	2.7
314	Footwear, except rubber	97.8	99.0	98.7	98.8	100.1
3143	Men's footwear, except athletic	35.5	35.1	37.4	37.3	37.5
3144	Women's footwear, except athletic	42.4	42.1	37.9	38.5	38.8
316	Luggage	8.3	8.6	7.1	6.5	7.1
317	Handbags and personal leather goods	22.2	23.0	20.8	20.1	20.5
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	1,271	1,277	1,319	1,309	1,313
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>	67.3	68.3	71.7	71.1	71.7
411	Local and suburban transportation	12.9	13.1	15.3	15.4	15.7
412	Taxicabs	7.2	7.2	7.7	7.9	7.9
413	Intercity highway transportation	5.2	5.1	5.6	5.3	5.4
415	School buses	39.5	40.3	40.7	40.1	40.3
42	<b>TRUCKING AND WAREHOUSING</b>	153.8	152.6	155.4	150.4	149.4
421,3	Trucking and trucking terminals	136.8	135.8	139.5	134.8	134.1
422	Public warehousing	17.0	16.8	15.9	15.6	15.3
44	<b>WATER TRANSPORTATION</b>	20.0	19.7	19.4	19.4	19.5
45	<b>TRANSPORTATION BY AIR</b>	145.4	145.1	146.5	146.0	147.8
451,2	Air transportation	137.6	137.0	138.0	137.4	139.3
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b>	2.2	2.1	2.7	2.7	2.7
47	<b>TRANSPORTATION SERVICES</b>	91.9	91.9	90.7	91.7	93.2
48	<b>COMMUNICATION</b>	620.1	624.6	642.3	637.5	636.6
481	Telephone communication	540.0	543.6	555.1	550.8	551.4
483	Radio and television broadcasting	62.1	62.5	67.3	67.0	64.9
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	146.2	147.6	158.4	158.9	161.8
491	Electric services	67.3	67.9	74.6	75.0	75.7
492	Gas production and distribution	34.8	35.0	37.4	37.4	37.6
493	Combination utility services	34.1	34.7	35.3	35.2	37.3
495	Sanitary services	5.4	5.4	6.2	6.4	6.3
-	<b>WHOLESALE AND RETAIL TRADE</b>	8,844	8,725	9,538	9,030	8,901
50,51	<b>WHOLESALE TRADE</b>	1,344	1,349	1,395	1,375	1,376
50	<b>WHOLESALE TRADE-DURABLE GOODS</b>	752	753	765	759	762
501	Motor vehicles and automotive equipment	95.5	94.1	91.1	90.1	90.2
502	Furniture and home furnishings	42.9	43.8	45.2	44.8	45.2
503	Lumber and construction materials	34.4	34.5	35.3	35.0	35.4
504	Sporting goods, toys, and hobby goods	24.4	23.9	25.2	25.5	25.5
505	Metals and minerals, except petroleum	28.5	28.5	29.5	29.5	29.6
506	Electrical goods	116.8	116.5	119.5	117.8	118.7
507	Hardware, plumbing, and heating equipment	69.2	69.3	66.0	65.8	65.8
508	Machinery, equipment, and supplies	290.8	292.9	303.5	302.0	302.8
509	Miscellaneous durable goods	49.1	49.7	49.5	48.8	48.7
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b>	592	596	630	616	614
511	Paper and paper products	43.3	43.4	46.8	47.1	47.0
512	Drugs, proprietaries, and sundries	67.8	67.2	69.0	69.0	68.8
513	Apparel, piece goods, and notions	84.1	85.2	88.2	85.7	86.6
514	Groceries and related products	141.2	141.7	158.8	150.9	150.2
516	Chemicals and allied products	31.8	32.1	34.9	35.4	35.1
517	Petroleum and petroleum products	51.5	52.5	57.0	57.1	57.1
518	Beer, wine, and distilled beverages	20.9	20.8	21.8	21.6	21.5
519	Miscellaneous nondurable goods	115.5	116.7	116.2	113.4	114.9

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Jan. 1980	Feb. 1980	Dec. 1980	Jan. 1981	Feb. 1981
52-59	<b>RETAIL TRADE</b> .....	7,500	7,376	8,143	7,655	7,525
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	157.3	158.6	166.2	158.4	159.1
521	Lumber and other building materials .....	64.7	64.2	66.8	65.1	65.1
525	Hardware stores .....	56.5	56.0	59.7	57.2	55.7
53	<b>GENERAL MERCHANDISE STORES</b> .....	1,580.5	1,478.1	1,723.9	1,529.9	1,430.8
531	Department stores .....	1,276.1	1,189.2	1,386.2	1,235.2	1,147.3
533	Variety stores .....	212.3	199.6	229.4	203.1	195.2
539	Misc. general merchandise stores .....	92.1	89.3	108.3	91.6	88.3
54	<b>FOOD STORES</b> .....	989.8	994.3	1,066.7	1,039.4	1,036.4
541	Grocery stores .....	827.7	827.5	888.6	874.5	869.4
542	Meat markets and freezer provisioners .....	18.2	17.9	17.0	16.2	15.8
546	Retail bakeries .....	77.2	77.7	81.7	79.8	79.5
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	318.3	317.1	324.9	322.6	319.9
551.2	New and used car dealers .....	122.5	122.3	115.9	115.2	115.1
553	Auto and home supply stores .....	50.3	48.1	52.6	52.2	51.4
554	Gasoline service stations .....	128.0	128.4	138.7	137.9	136.1
56	<b>APPAREL AND ACCESSORY STORES</b> .....	679.9	651.7	771.4	688.1	666.1
561	Men's and boys' clothing and furnishings .....	65.5	60.4	72.7	64.2	60.7
562	Women's ready-to-wear stores .....	319.7	308.2	361.0	322.0	313.6
566	Family clothing stores .....	139.5	133.3	168.1	146.7	139.8
568	Shoe stores .....	77.6	75.5	82.6	75.3	74.8
57	<b>FURNITURE AND HOME FURNISHING STORES</b> .....	205.4	203.6	212.2	207.2	204.5
571	Furniture and home furnishings .....	134.5	133.7	139.6	136.0	135.2
572	Household appliance stores .....	23.1	22.5	24.5	23.5	23.3
573	Radio, television, and music stores .....	47.8	47.4	48.1	47.7	46.0
58	<b>EATING AND DRINKING PLACES</b> .....	2,548.4	2,551.1	2,737.7	2,650.8	2,655.1
59	<b>MISCELLANEOUS RETAIL</b> .....	1,020.6	1,021.4	1,139.7	1,058.4	1,052.9
591	Drug stores and proprietary stores .....	317.2	314.8	326.2	321.0	315.2
592	Liquor stores .....	32.9	31.8	34.3	33.6	33.1
594	Miscellaneous shopping goods stores .....	351.2	348.9	429.1	381.8	376.1
596	Nonstore retailers .....	160.3	157.8	176.9	159.5	157.4
598	Fuel and ice dealers .....	24.4	24.4	24.9	25.1	24.6
599	Retail stores, nec .....	113.5	122.5	128.7	117.8	126.6
-	<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	2,966	2,988	3,092	3,095	3,107
60	<b>BANKING</b> .....	1,078.3	1,082.8	1,115.1	1,118.8	1,120.1
602	Commercial and stock savings banks .....	993.4	997.6	1,025.8	1,029.5	1,030.6
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	371.0	372.2	380.4	381.0	381.8
612	Savings and loan associations .....	176.6	176.3	188.0	190.2	191.7
614	Personal credit institutions .....	126.5	127.1	125.0	124.1	123.5
62	<b>SECURITY, COMMODITY BROKERS, AND SERVICES</b> .....	81.3	82.0	92.5	93.6	94.9
621	Security brokers and dealers .....	64.2	64.5	72.9	73.8	75.1
63	<b>INSURANCE CARRIERS</b> .....	731.6	744.2	761.2	758.4	759.9
631	Life insurance .....	277.3	288.0	300.3	299.0	300.3
632	Medical service and health insurance .....	100.0	100.1	103.4	103.3	103.7
633	Fire, marine, and casualty insurance .....	304.5	306.6	310.0	308.9	309.0
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b> .....	274.4	275.1	289.0	290.5	291.3
65	<b>REAL ESTATE</b> .....	354.1	356.7	373.4	372.1	377.3
651	Real estate operators and lessors .....	137.4	139.1	146.1	145.6	149.0
653	Real estate agents and managers .....	168.4	169.6	177.0	175.9	177.4
655	Subdividers and developers .....	32.0	32.2	35.2	35.5	36.0
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC</b> .....	15.3	15.2	14.9	14.6	14.5
67	<b>HOLDING AND OTHER INVESTMENT OFFICES</b> .....	59.7	60.1	65.0	66.1	67.4
-	<b>SERVICES</b> .....	10,014	10,140	10,607	10,532	10,625
70	<b>HOTELS AND OTHER LODGING PLACES</b> .....	524.2	531.7	539.1	522.0	527.3
701	Hotels, motels, and tourist courts .....	505.7	512.5	521.2	504.8	510.2

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Jan. 1980	Feb. 1980	Dec. 1980	Jan. 1981	Feb. 1981
72	<b>PERSONAL SERVICES</b> .....	634.6	649.8	640.5	637.8	646.9
721	Laundry, cleaning, and garment services .....	224.9	222.8	225.0	222.7	221.6
723	Beauty shops .....	261.5	257.6	265.0	257.9	260.0
726	Funeral service and crematories .....	19.0	18.4	19.6	19.8	19.5
73	<b>BUSINESS SERVICES</b> .....	1,260.5	1,258.4	1,344.7	1,337.1	1,325.2
731	Advertising .....	69.1	68.9	70.0	70.2	70.8
732	Credit reporting and collection .....	53.4	53.6	50.7	49.9	49.1
733	Mailing, reproduction, stenographic .....	57.5	58.5	63.9	62.6	63.0
734	Services to buildings .....	185.2	184.9	191.5	189.6	193.0
736	Personnel supply services .....	305.4	302.9	341.5	339.2	320.6
737	Computer and data processing services .....	133.4	134.8	142.9	145.1	150.2
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	96.8	97.8	99.0	100.0	98.6
753	Automotive repair shops .....	42.1	41.8	43.0	43.3	42.8
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	61.4	62.1	65.0	64.6	63.7
78	<b>MOTION PICTURES</b> .....	79.3	77.5	77.4	75.5	76.3
781	Motion picture production and services .....	26.2	25.9	23.2	22.5	23.0
783	Motion picture theaters .....	47.5	46.0	48.4	47.4	47.7
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	231.4	238.6	260.9	248.8	256.5
80	<b>HEALTH SERVICES</b> .....	4,153.0	4,174.6	4,350.2	4,362.0	4,375.3
801	Offices of physicians .....	577.7	579.1	600.5	601.9	600.5
802	Offices of dentists .....	287.6	289.1	299.2	297.7	297.9
805	Nursing and personal care facilities .....	867.6	867.1	904.8	906.7	907.9
806	Hospitals .....	2,142.8	2,157.3	2,244.4	2,255.2	2,266.0
81	<b>LEGAL SERVICES</b> .....	329.7	331.6	352.7	353.3	353.2
82	<b>EDUCATIONAL SERVICES</b> .....	560.6	596.4	629.3	592.7	631.2
821	Elementary and secondary schools .....	166.4	165.5	183.5	177.6	183.2
822	Colleges and universities .....	326.3	361.8	374.7	345.0	376.3
83	<b>SOCIAL SERVICES</b> .....	825.2	839.0	890.7	888.1	897.4
89	<b>MISCELLANEOUS SERVICES</b> .....	306.3	316.3	330.3	337.2	344.6
891	Engineering and architectural services .....	110.6	112.6	120.7	122.8	123.4
893	Accounting, auditing, and bookkeeping .....	138.2	144.2	149.1	153.6	159.5
	<b>GOVERNMENT</b> .....	7,681	7,835	7,915	7,810	7,940
	<b>FEDERAL GOVERNMENT</b> .....	863	880	877	878	879
	<b>STATE AND LOCAL GOVERNMENT</b> .....	6,818	6,955	7,038	6,932	7,061
	State government .....	1,616.8	1,669.0	1,672.8	1,626.3	1,676.3
	Hospitals .....	339.0	345.4	346.0	344.5	344.6
	State education .....	656.3	703.6	704.0	655.6	702.4
	General administration including executive, legislative, and judicial functions .....	417.8	416.3	414.8	417.0	420.0
	Local government .....	5,201.0	5,286.2	5,364.8	5,306.0	5,385.1
	Transportation and public utilities .....	93.1	93.8	99.8	99.7	100.1
	Hospitals .....	465.1	468.0	484.8	487.0	490.0
	Local education .....	3,444.1	3,507.5	3,545.2	3,488.4	3,556.7
	General administration including executive, legislative, and judicial functions .....	979.7	993.1	1,003.9	1,003.8	1,011.4



# 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			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. p	Apr. p	
<b>TOTAL</b> .....	90,951	90,468	90,047	89,867	90,142	90,384	90,710	90,961	91,125	91,481	91,652	91,714	91,494	
<b>GOODS-PRODUCING</b> .....	26,121	25,745	25,422	25,163	25,312	25,476	25,636	25,811	25,892	26,041	25,987	26,010	25,831	
<b>MINING</b> .....	1,012	1,023	1,029	1,013	1,013	1,028	1,037	1,054	1,072	1,086	1,095	1,102	950	
<b>CONSTRUCTION</b> .....	4,467	4,436	4,379	4,322	4,359	4,404	4,442	4,475	4,508	4,610	4,518	4,508	4,426	
<b>MANUFACTURING</b> .....	20,642	20,286	20,014	19,828	19,940	20,044	20,157	20,282	20,312	20,345	20,374	20,400	20,455	
<b>DURABLE GOODS</b> .....	12,442	12,140	11,947	11,819	11,860	11,955	12,043	12,146	12,160	12,188	12,196	12,226	12,264	
Lumber and wood products .....	689	654	648	650	662	674	677	683	688	693	692	690	687	
Furniture and fixtures .....	491	472	461	449	456	464	466	469	472	475	477	477	483	
Stone, clay, and glass products .....	680	663	647	641	648	655	656	661	660	663	661	663	659	
Primary metal industries .....	1,193	1,144	1,096	1,049	1,059	1,074	1,096	1,119	1,133	1,133	1,134	1,135	1,133	
Fabricated metal products .....	1,678	1,620	1,584	1,551	1,569	1,587	1,595	1,606	1,608	1,608	1,610	1,612	1,621	
Machinery, except electrical .....	2,518	2,517	2,476	2,448	2,437	2,452	2,469	2,475	2,480	2,484	2,491	2,495	2,501	
Electric and electronic equipment .....	2,167	2,127	2,094	2,079	2,083	2,091	2,107	2,120	2,135	2,147	2,149	2,157	2,171	
Transportation equipment .....	1,885	1,819	1,831	1,839	1,840	1,851	1,873	1,901	1,868	1,866	1,865	1,880	1,892	
Instruments and related products .....	703	700	696	698	697	697	697	701	701	702	700	702	699	
Miscellaneous manufacturing ind. ....	438	424	414	415	409	410	407	411	415	417	417	415	418	
<b>NONDURABLE GOODS</b> .....	8,200	8,146	8,067	8,009	8,080	8,089	8,114	8,136	8,152	8,157	8,178	8,174	8,191	
Food and kindred products .....	1,690	1,691	1,677	1,683	1,690	1,672	1,682	1,686	1,684	1,680	1,685	1,671	1,669	
Tobacco manufactures .....	69	70	71	69	67	68	69	71	70	70	71	72	73	
Textile mill products .....	884	869	843	833	851	851	856	856	857	858	856	855	858	
Apparel and other textile products .....	1,302	1,291	1,287	1,276	1,296	1,299	1,292	1,291	1,291	1,289	1,292	1,297	1,304	
Paper and allied products .....	702	692	685	680	682	686	690	692	693	694	696	695	694	
Printing and publishing .....	1,272	1,268	1,269	1,266	1,266	1,269	1,272	1,278	1,284	1,284	1,289	1,294	1,294	
Chemicals and allied products .....	1,123	1,120	1,112	1,103	1,100	1,104	1,105	1,108	1,112	1,115	1,118	1,118	1,117	
Petroleum and coal products .....	175	203	205	207	208	208	209	209	210	213	213	213	212	
Rubber and misc. plastic products .....	740	703	681	663	680	692	699	705	711	713	716	717	726	
Leather and leather products .....	243	239	237	229	240	240	240	240	240	241	242	242	244	
<b>SERVICE-PRODUCING</b> .....	64,830	64,723	64,625	64,704	64,830	64,908	65,074	65,150	65,233	65,440	65,665	65,704	65,663	
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	5,178	5,167	5,134	5,114	5,129	5,124	5,147	5,132	5,137	5,142	5,156	5,158	5,145	
<b>WHOLESALE AND RETAIL TRADE</b> .....	20,531	20,487	20,459	20,506	20,589	20,620	20,641	20,660	20,638	20,762	20,885	20,932	20,808	
<b>WHOLESALE TRADE</b> .....	5,286	5,268	5,245	5,247	5,263	5,280	5,292	5,297	5,302	5,315	5,328	5,327	5,342	
<b>RETAIL TRADE</b> .....	15,245	15,219	15,214	15,259	15,326	15,340	15,349	15,363	15,336	15,447	15,557	15,605	15,466	
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	5,119	5,137	5,150	5,167	5,180	5,194	5,214	5,225	5,245	5,268	5,277	5,285	5,300	
<b>SERVICES</b> .....	17,618	17,659	17,652	17,760	17,788	17,861	17,913	17,969	18,068	18,133	18,181	18,216	18,278	
<b>GOVERNMENT</b> .....	16,384	16,273	16,230	16,157	16,144	16,109	16,159	16,164	16,145	16,135	16,166	16,113	16,132	
<b>FEDERAL</b> .....	3,115	2,960	2,951	2,893	2,828	2,765	2,788	2,790	2,789	2,801	2,794	2,789	2,787	
<b>STATE AND LOCAL</b> .....	13,269	13,313	13,279	13,264	13,316	13,344	13,371	13,374	13,356	13,334	13,372	13,324	13,345	

p=preliminary.

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED EMPLOYMENT**

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

[In thousands]

Industry division and group	1980											1981	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
<b>TOTAL</b> .....	38,139	38,157	38,213	38,059	37,997	38,069	38,235	38,397	38,469	38,585	38,645	38,837	38,969
<b>GOODS-PRODUCING</b> .....	7,017	7,025	6,965	6,832	6,742	6,699	6,728	6,761	6,797	6,834	6,880	6,904	6,918
<b>MINING</b> .....	97	99	100	102	105	106	107	107	107	109	111	112	114
<b>CONSTRUCTION</b> .....	377	380	382	382	380	381	384	387	390	395	397	400	400
<b>MANUFACTURING</b> .....	6,543	6,546	6,483	6,348	6,257	6,212	6,237	6,267	6,300	6,330	6,372	6,392	6,404
<b>DURABLE GOODS</b> .....	3,141	3,148	3,103	3,008	2,954	2,930	2,922	2,955	2,982	3,004	3,028	3,041	3,047
Lumber and wood products .....	112	112	104	98	95	95	99	101	101	101	103	104	104
Furnitures and fixtures .....	146	146	146	140	136	133	135	137	138	139	141	142	144
Stone, clay, and glass products .....	135	135	132	127	124	122	123	125	126	126	127	128	129
Primary metal industries .....	132	132	131	123	121	116	116	120	122	123	124	125	124
Fabricated metal products .....	362	361	352	334	323	320	326	330	333	336	338	338	339
Machinery, except electrical .....	501	503	500	495	492	487	482	488	493	497	502	502	503
Electric and electronic equipment .....	933	937	931	906	888	880	876	879	887	895	905	914	917
Transportation equipment .....	310	311	298	286	286	286	280	290	297	301	296	294	294
Instruments and related products .....	300	302	301	298	294	296	294	294	295	296	298	298	297
Miscellaneous manufacturing ind. ....	210	209	208	201	195	195	191	191	190	190	194	196	196
<b>NONDURABLE GOODS</b> .....	3,402	3,396	3,380	3,340	3,303	3,282	3,315	3,312	3,318	3,326	3,344	3,351	3,357
Food and kindred products .....	509	503	500	499	491	492	499	488	498	497	498	500	498
Tobacco manufactures .....	24	24	25	25	25	25	24	25	25	26	25	25	26
Textile mill products .....	424	424	422	415	401	397	405	404	405	406	408	408	407
Apparel and other textile products .....	1,064	1,066	1,056	1,047	1,042	1,039	1,046	1,046	1,040	1,037	1,041	1,042	1,043
Paper and allied products .....	162	162	162	159	156	155	156	156	157	158	159	160	161
Printing and publishing .....	502	503	502	501	502	500	500	502	502	506	509	509	510
Chemicals and allied products .....	280	280	280	278	278	277	276	277	278	280	283	284	286
Petroleum and coal products .....	23	23	24	27	28	29	29	28	28	28	29	29	29
Rubber and misc. plastics products .....	265	264	261	244	236	231	237	241	242	244	248	249	251
Leather and leather products .....	149	149	148	145	144	137	144	145	143	144	144	145	146
<b>SERVICE-PRODUCING</b> .....	31,122	31,132	31,248	31,227	31,255	31,370	31,507	31,636	31,672	31,751	31,765	31,933	32,051
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	1,280	1,283	1,286	1,290	1,286	1,286	1,291	1,294	1,315	1,313	1,314	1,310	1,317
<b>WHOLESALE AND RETAIL TRADE</b> .....	8,995	8,973	8,947	8,943	8,981	8,976	9,008	9,034	9,032	9,045	8,993	9,114	9,178
<b>WHOLESALE TRADE</b> .....	1,361	1,365	1,363	1,365	1,361	1,367	1,363	1,371	1,378	1,373	1,383	1,382	1,388
<b>RETAIL TRADE</b> .....	7,634	7,608	7,584	7,578	7,620	7,609	7,645	7,663	7,654	7,672	7,610	7,732	7,790
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,001	3,008	3,018	3,023	3,018	3,035	3,038	3,048	3,064	3,073	3,092	3,114	3,119
<b>SERVICES</b> .....	10,225	10,217	10,261	10,303	10,306	10,412	10,435	10,499	10,522	10,581	10,639	10,671	10,711
<b>GOVERNMENT</b> .....	7,621	7,651	7,736	7,668	7,664	7,661	7,735	7,761	7,739	7,739	7,727	7,724	7,726
<b>FEDERAL</b> .....	885	912	1,000	941	936	914	895	879	884	886	887	888	884
<b>STATE AND LOCAL</b> .....	6,736	6,739	6,736	6,727	6,728	6,747	6,840	6,882	6,855	6,853	6,840	6,836	6,842

<sup>1</sup> 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 nonegricultural payrolls by industry division and major manufacturing group, seasonally adjusted**

[In thousands]

Industry division and group	1980									1981			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. P	Apr. P
<b>TOTAL PRIVATE</b> .....	60,725	60,325	59,964	59,888	60,136	60,363	60,567	60,785	60,901	61,204	61,288	61,371	61,183
<b>GOODS-PRODUCING</b> .....	18,814	18,438	18,144	17,901	18,035	18,181	18,313	18,461	18,521	18,655	18,595	18,618	18,441
<b>MINING</b> .....	755	764	770	757	753	766	772	783	796	806	811	820	694
<b>CONSTRUCTION</b> .....	3,509	3,488	3,443	3,385	3,410	3,443	3,476	3,499	3,530	3,630	3,544	3,532	3,436
<b>MANUFACTURING</b> .....	14,550	14,186	13,931	13,759	13,872	13,972	14,065	14,179	14,195	14,219	14,240	14,266	14,311
<b>DURABLE GOODS</b> .....	8,686	8,386	8,205	8,084	8,123	8,212	8,288	8,381	8,386	8,408	8,411	8,441	8,476
Lumber and wood products .....	577	544	538	542	553	563	566	571	577	580	577	575	574
Furniture and fixtures .....	398	380	369	359	366	374	376	378	381	383	386	385	390
Stone, clay, and glass products .....	530	513	498	492	498	505	506	511	510	512	511	511	508
Primary metal industries .....	924	877	832	793	802	817	838	860	873	874	874	874	873
Fabricated metal products .....	1,252	1,195	1,166	1,136	1,152	1,170	1,178	1,189	1,191	1,190	1,191	1,195	1,200
Machinery, except electrical .....	1,630	1,622	1,586	1,561	1,551	1,568	1,578	1,578	1,575	1,581	1,586	1,592	1,593
Electric and electronic equipment .....	1,400	1,358	1,320	1,305	1,309	1,315	1,323	1,335	1,347	1,355	1,358	1,365	1,375
Transportation equipment .....	1,220	1,159	1,172	1,172	1,171	1,181	1,207	1,238	1,206	1,206	1,205	1,220	1,238
Instruments and related products .....	423	419	415	414	415	414	414	416	417	416	413	415	414
Miscellaneous manufacturing ind. ....	332	319	309	310	306	305	302	305	309	311	310	309	311
<b>NONDURABLE GOODS</b> .....	5,864	5,800	5,726	5,675	5,749	5,760	5,777	5,798	5,809	5,811	5,829	5,825	5,835
Food and kindred products .....	1,157	1,157	1,143	1,149	1,157	1,140	1,149	1,154	1,152	1,149	1,153	1,143	1,140
Tobacco manufactures .....	54	55	55	54	52	54	54	55	54	54	55	55	57
Textile mill products .....	771	756	731	721	739	740	743	744	745	744	744	742	745
Apparel and other textile products .....	1,111	1,100	1,097	1,093	1,107	1,108	1,104	1,104	1,103	1,101	1,103	1,107	1,110
Paper and allied products .....	532	522	515	509	512	515	519	521	523	524	524	525	524
Printing and publishing .....	715	709	711	708	710	714	712	716	721	720	723	725	722
Chemicals and allied products .....	637	632	625	616	615	619	619	623	624	627	630	631	632
Petroleum and coal products .....	109	131	131	132	133	133	133	133	134	136	137	137	135
Rubber and misc. plastics products .....	573	537	518	502	521	533	540	544	550	552	555	555	563
Leather and leather products .....	205	201	200	191	203	204	204	204	203	204	205	205	207
<b>SERVICE-PRODUCING</b> .....	41,911	41,887	41,820	41,987	42,101	42,182	42,254	42,324	42,380	42,549	42,693	42,753	42,742
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,329	4,314	4,282	4,260	4,272	4,276	4,296	4,281	4,286	4,277	4,289	4,283	4,279
<b>WHOLESALE AND RETAIL TRADE</b> .....	18,029	17,975	17,936	17,984	18,046	18,074	18,099	18,106	18,077	18,186	18,275	18,317	18,212
<b>WHOLESALE TRADE</b> .....	4,334	4,308	4,284	4,288	4,297	4,307	4,317	4,318	4,325	4,330	4,336	4,335	4,350
<b>RETAIL TRADE</b> .....	13,695	13,667	13,652	13,696	13,749	13,767	13,782	13,788	13,752	13,856	13,939	13,982	13,862
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,873	3,893	3,898	3,917	3,926	3,930	3,940	3,947	3,961	3,975	3,979	3,982	3,998
<b>SERVICES</b> .....	15,680	15,705	15,704	15,826	15,857	15,902	15,919	15,990	16,056	16,111	16,150	16,171	16,253

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

p=preliminary.

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED EMPLOYMENT**

**B-7. Indexes of diffusion: Percent of industries in which employment<sup>1</sup> increased**

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
<b>1978</b>				
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
<b>1979</b>				
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
<b>1980</b>				
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	36.3p
October.....	64.0	74.1	78.8	44.5p
November.....	66.9	71.2	76.7	
December.....	64.0	73.0	75.0p	
<b>1981</b>				
January.....	64.5	67.4	70.6p	
February.....	56.7	64.0p		
March.....	54.4p	61.3p		
April.....	56.7p			
May.....				
June.....				
July.....				
August.....				
September.....				
October.....				
November.....				
December.....				

<sup>1</sup> 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		
	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P
1 ALABAMA	1,361.9	1,353.3	1,349.9	16.7	17.0	16.9	70.5	70.4	70.6	371.3	356.0	354.1
2 Birmingham	356.5	349.3	349.1	9.9	9.5	9.4	19.8	18.5	18.6	68.5	62.0	61.9
3 Huntsville	118.7	117.6	117.3	(1)	(1)	(1)	3.8	3.6	3.7	36.7	34.8	34.2
4 Mobile	150.1	150.9	151.4	(1)	(1)	(1)	11.3	11.4	11.0	29.8	29.1	29.3
5 Montgomery	109.9	106.7	107.0	(1)	(1)	(1)	9.2	6.2	6.3	16.8	15.8	16.0
6 Tuscaloosa	49.8	49.8	49.7	2.0	2.3	2.3	2.2	2.0	2.1	8.7	7.9	8.0
7 ALASKA	159.3	162.8	164.9	6.0	7.1	7.5	7.8	8.2	8.1	10.8	8.7	9.4
8 ARIZONA	1,017.4	1,018.4	1,020.8	23.5	24.0	24.6	78.1	70.2	70.4	152.7	154.9	155.3
9 Phoenix	836.3	838.7	840.1	.3	.4	.4	51.6	47.9	47.8	113.2	114.1	114.5
10 Tucson	185.9	187.9	188.5	7.4	7.6	7.6	14.9	13.5	13.6	20.3	22.0	22.1
11 ARKANSAS	746.7	740.6	745.5	4.9	5.3	5.3	36.5	32.5	33.4	215.0	209.1	211.4
12 Fayetteville—Springdale	63.8	64.7	65.5	(1)	(1)	(1)	2.9	2.5	2.6	19.0	19.5	20.1
13 Fort Smith	67.7	66.0	66.2	1.0	1.1	1.1	2.7	2.6	2.7	22.9	20.9	21.1
14 Little Rock—North Little Rock	180.9	177.6	178.8	(1)	(1)	(1)	9.2	7.9	8.4	31.7	29.6	29.7
15 Pine Bluff	33.0	32.1	32.3	(1)	(1)	(1)	3.0	2.3	2.5	6.3	6.3	6.3
16 CALIFORNIA	9,853.3	9,825.2	9,870.6	41.0	44.4	43.8	443.1	381.0	384.0	2,014.8	1,973.9	1,978.1
17 Anaheim—Santa Ana—Garden Grove	834.2	848.9	855.4	2.0	2.3	2.3	50.2	47.9	48.6	223.7	221.8	222.7
18 Bakersfield	126.7	132.8	133.2	10.7	11.4	11.5	7.4	7.5	7.7	8.8	9.5	9.5
19 Fresno	183.1	183.0	185.1	.9	1.0	1.0	11.2	10.3	10.4	22.7	21.1	21.7
20 Los Angeles—Long Beach	3,643.0	3,645.8	3,656.4	12.2	13.6	13.7	119.1	108.6	108.8	928.5	919.8	920.9
21 Modesto	86.8	85.5	86.5	.1	.1	.1	6.2	4.8	4.8	17.3	17.5	18.0
22 Oxnard—Simi Valley—Ventura	153.6	154.8	155.7	2.5	2.6	2.6	8.9	8.5	8.5	24.0	23.7	23.7
23 Riverside—San Bernardino—Ontario	440.3	438.8	440.3	2.7	2.4	2.4	28.1	25.3	25.4	66.7	63.3	63.1
24 Sacramento	396.3	401.9	403.2	.4	.5	.5	20.0	17.5	17.7	26.5	26.2	26.2
25 Salinas—Seaside—Monterey	87.6	87.0	88.1	.4	.4	.4	3.4	3.0	2.9	8.9	7.6	8.6
26 San Diego	649.7	656.4	659.1	.6	.6	.6	38.6	36.8	37.3	106.7	107.4	107.2
27 San Francisco—Oakland	1,560.0	1,563.3	1,570.9	3.0	3.4	3.5	74.3	70.1	70.8	203.5	201.9	202.7
28 San Jose	669.0	680.7	683.6	.2	.2	.2	25.0	22.2	23.1	237.0	237.5	238.2
29 Santa Barbara—Santa Maria—Lompoc	121.3	122.2	122.5	1.4	1.5	1.5	5.1	4.9	4.9	16.5	15.9	16.0
30 Santa Rosa	91.4	91.6	91.8	.4	.4	.4	5.6	4.8	4.9	14.6	14.5	14.6
31 Stockton	115.2	116.8	117.4	.1	.1	.1	5.8	4.9	5.0	19.0	18.8	18.9
32 Vallejo—Fairfield—Napa	99.0	100.3	101.7	.4	.5	.5	4.7	4.6	4.7	10.4	10.7	10.8
33 COLORADO	1,240.8	1,256.6	1,260.5	33.0	35.7	36.0	73.9	71.8	72.1	180.6	181.8	181.6
34 Denver—Boulder	790.5	801.2	803.6	18.0	19.5	19.7	45.6	43.7	43.7	124.3	126.0	126.3
35 CONNECTICUT	1,418.1	1,420.6	1,428.6	(2)	(2)	(2)	43.5	42.1	42.9	449.6	439.9	440.1
36 Bridgeport	169.1	168.7	170.1	(2)	(2)	(2)	3.9	4.0	4.0	67.0	65.7	66.3
37 Hartford	392.6	398.1	400.9	(2)	(2)	(2)	10.7	11.3	11.4	101.4	98.8	98.6
38 New Britain	65.8	64.8	65.3	(2)	(2)	(2)	1.8	1.6	1.8	31.3	30.1	29.9
39 New Haven—West Haven	191.6	190.1	191.4	(2)	(2)	(2)	6.2	6.3	6.5	45.0	41.2	40.9
40 Stamford	107.5	108.1	109.1	(2)	(2)	(2)	5.0	5.0	5.1	31.8	31.8	31.8
41 Waterbury	90.2	87.2	87.9	(2)	(2)	(2)	2.3	2.1	2.2	35.4	32.8	32.9
42 DELAWARE	255.5	250.2	254.5	(1)	(1)	(1)	13.3	12.4	12.6	71.1	68.3	70.9
43 Wilmington	230.2	223.1	227.9	(1)	(1)	(1)	14.3	13.4	13.6	65.7	61.8	65.0
44 DISTRICT OF COLUMBIA	610.0	609.9	611.7	(1)	(1)	(1)	13.4	12.9	13.1	15.3	15.4	15.4
45 Washington SMSA	1,554.5	1,566.7	1,576.3	(1)	(1)	(1)	74.5	69.4	71.6	56.2	56.0	56.2
46 FLORIDA	3,574.0	3,734.9	3,750.5	10.6	10.6	10.7	259.3	280.8	282.4	463.1	474.7	472.1
47 Bradenton	44.1	44.1	44.4	-	-	-	4.0	3.3	3.4	7.5	7.7	7.5
48 Daytona Beach	78.6	80.2	79.8	(1)	(1)	(1)	4.5	4.8	4.8	8.3	8.4	8.2
49 Fort Lauderdale—Hollywood	356.1	357.7	359.2	(1)	(1)	(1)	32.1	33.4	32.9	42.1	41.1	41.0
50 Fort Myers—Cape Coral	67.4	66.1	66.3	(1)	(1)	(1)	8.4	8.2	8.3	3.9	3.7	3.7
51 Gainesville	65.5	66.0	66.8	(1)	(1)	(1)	3.5	3.8	3.8	4.5	4.5	4.7
52 Jacksonville	291.0	297.0	297.4	(1)	(1)	(1)	15.6	16.0	16.0	34.3	34.3	34.2
53 Lakeland—Winter Haven	120.0	121.2	120.6	5.8	5.9	5.8	7.8	8.9	9.2	23.5	24.5	23.3
54 Melbourne—Titusville—Cocoa	101.5	102.3	101.9	(1)	(1)	(1)	6.2	6.4	6.6	22.2	22.7	22.9
55 Miami	729.1	736.0	736.9	(1)	(1)	(1)	33.3	38.3	38.2	102.7	102.6	102.7
56 Orlando	286.8	292.1	291.2	(1)	(1)	(1)	19.3	21.3	21.4	36.7	36.5	35.9
57 Panama City	32.5	31.8	32.3	(1)	(1)	(1)	2.0	1.8	1.9	3.5	3.6	3.7
58 Pensacola	97.2	99.5	100.1	(1)	(1)	(1)	7.0	7.1	7.4	12.9	12.8	12.8
59 Sarasota	72.3	72.2	73.5	(1)	(1)	(1)	7.9	7.3	7.3	6.4	6.3	6.3
60 Tallahassee	72.9	75.4	75.7	(1)	(1)	(1)	3.6	3.8	3.9	2.8	2.8	2.8
61 Tampa—St. Petersburg	549.4	556.9	557.9	(1)	(1)	(1)	40.1	40.4	40.6	76.3	77.1	77.1
62 West Palm Beach—Boca Raton	210.4	218.3	217.7	(1)	(1)	(1)	21.2	21.4	21.3	28.8	28.7	28.3

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	
71.4	71.3	71.5	272.2	267.9	267.6	58.2	58.8	58.9	202.0	207.9	207.7	299.6	304.0	302.6	1
25.1	29.0	29.0	83.2	81.9	82.3	22.9	22.7	22.7	66.1	67.7	68.0	57.0	58.0	57.2	2
7.6	2.6	2.6	21.4	21.2	21.3	3.5	3.5	3.5	17.2	17.6	17.7	32.5	34.3	34.3	3
10.7	10.7	10.9	36.3	36.4	36.6	7.0	7.4	7.4	28.1	28.8	29.1	26.9	27.1	27.1	4
4.8	4.8	4.7	22.5	23.8	23.9	6.1	6.2	6.2	15.8	20.5	20.4	25.7	25.4	25.5	5
1.8	1.8	1.8	9.2	9.6	9.5	1.7	1.6	1.6	6.3	6.1	6.1	17.9	18.5	18.3	6
16.4	16.4	16.6	26.9	28.8	28.9	8.1	7.9	8.0	28.3	29.1	29.5	55.0	56.6	56.5	7
50.9	50.4	50.4	242.0	244.0	244.4	57.7	58.1	58.1	206.3	207.9	208.4	206.2	208.5	205.2	8
30.4	30.6	30.6	161.5	161.9	162.6	44.7	45.3	45.4	132.0	133.4	133.9	102.6	105.1	104.9	9
8.8	8.6	8.6	40.9	41.1	41.1	8.2	8.2	8.2	39.5	41.1	41.1	45.9	45.8	46.2	10
42.0	42.5	42.3	159.2	157.3	158.9	30.9	30.9	31.2	112.9	117.2	118.2	144.3	145.8	144.8	11
3.9	3.9	3.8	15.2	15.3	15.5	2.2	2.3	2.3	8.9	9.4	9.5	11.7	11.8	11.7	12
3.7	3.6	3.6	14.4	13.7	13.7	2.5	2.5	2.5	11.7	12.2	12.1	8.8	9.4	9.4	13
14.2	13.8	13.8	41.3	41.5	41.9	12.3	12.5	12.5	33.4	34.0	34.0	38.8	38.3	38.5	14
4.1	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
538.0	536.0	537.7	2,243.4	2,260.7	2,265.9	618.3	625.4	628.1	2,161.6	2,208.9	2,228.6	1,793.1	1,794.5	1,804.4	16
27.1	28.4	28.8	195.1	203.4	204.2	56.4	58.5	58.9	171.8	178.1	179.3	107.9	108.5	110.6	17
7.5	7.9	7.8	32.2	33.7	33.6	4.7	4.9	4.9	23.0	24.3	24.5	32.4	33.6	33.7	18
10.4	10.6	10.6	47.7	49.0	49.4	11.0	11.2	11.2	36.2	37.2	37.5	43.0	42.6	43.3	19
159.3	156.2	156.8	815.3	818.5	818.6	233.0	234.2	234.9	841.8	852.4	857.7	493.8	502.5	505.0	20
3.7	3.6	3.6	21.5	21.2	21.6	3.4	3.4	3.4	16.7	17.1	17.1	17.9	17.8	17.9	21
6.5	6.3	6.2	35.7	36.0	36.3	7.5	7.5	7.6	30.5	31.8	32.1	38.0	38.4	38.7	22
25.1	25.8	25.8	105.8	107.7	108.3	18.8	18.6	18.6	91.2	93.0	93.3	101.9	102.7	103.4	23
21.4	21.6	21.6	92.4	95.2	95.5	21.8	22.9	22.9	72.1	74.3	74.5	141.7	143.7	143.9	24
4.8	4.9	4.9	22.1	22.6	22.7	4.4	4.4	4.4	19.3	19.6	19.7	24.3	24.5	24.5	25
28.8	28.4	29.6	146.1	147.2	147.4	38.8	39.1	39.3	147.2	152.0	153.2	142.9	144.9	145.5	26
129.2	129.6	130.3	360.3	360.4	361.2	144.7	147.2	147.9	349.3	354.1	357.1	295.7	296.6	297.4	27
20.9	21.4	21.4	125.0	130.0	129.9	27.2	28.2	28.2	152.3	157.8	159.5	81.4	83.4	83.1	28
4.8	5.0	5.0	29.2	29.7	29.8	5.7	5.7	5.7	33.7	34.4	34.4	24.9	25.1	25.2	29
4.3	4.4	4.4	22.1	22.8	22.8	5.7	5.7	5.7	18.1	18.3	18.3	20.6	20.7	20.7	30
7.9	7.7	7.9	26.7	27.6	27.5	5.1	5.1	5.1	23.3	24.7	24.8	27.3	27.9	28.1	31
4.4	4.6	4.6	20.9	21.1	21.9	3.3	3.3	3.3	19.5	19.5	19.8	35.4	36.0	36.1	32
78.5	80.9	81.2	300.7	304.9	305.3	76.0	77.5	78.0	250.1	257.9	259.5	247.8	246.1	247.0	33
55.1	57.1	57.3	190.0	193.2	193.1	53.2	54.7	55.1	164.3	168.4	169.2	139.9	138.8	135.3	34
60.6	61.1	61.0	294.0	294.9	296.8	102.3	106.8	107.7	281.4	290.7	293.8	186.7	185.1	186.3	35
6.2	6.3	6.3	34.8	35.4	35.4	7.2	7.3	7.3	32.3	32.6	33.3	17.7	17.4	17.5	36
13.6	13.7	13.7	79.5	81.6	82.4	58.8	62.7	63.4	73.5	75.0	76.2	55.1	55.0	55.2	37
3.2	3.2	3.2	10.6	10.9	10.9	1.8	1.8	1.8	10.3	10.8	10.8	6.8	6.4	6.5	38
15.9	15.9	15.9	40.3	41.2	41.6	10.8	10.8	10.8	47.3	49.0	49.6	26.1	25.7	26.1	39
4.0	4.2	4.2	23.2	23.3	23.5	7.4	7.5	7.6	25.6	26.0	26.5	10.5	10.3	10.4	40
3.1	3.1	3.1	15.6	15.4	15.7	3.4	3.5	3.5	19.0	19.2	19.4	11.4	11.1	11.1	41
12.1	12.1	12.0	54.5	53.8	53.9	11.8	12.0	12.0	46.5	47.1	47.5	46.2	44.5	45.5	42
11.7	11.6	11.6	47.1	46.6	46.7	11.0	11.2	11.3	42.2	41.9	42.4	38.1	36.5	37.5	43
25.8	25.5	25.5	62.7	63.7	63.5	34.7	35.0	35.1	180.5	184.5	185.6	277.6	272.9	273.5	44
67.2	67.3	67.4	292.6	298.5	300.1	88.5	91.1	91.7	416.6	432.4	436.3	558.9	552.0	553.0	45
219.2	224.2	226.9	937.6	976.7	977.8	248.3	265.9	266.9	814.4	865.5	873.6	621.5	636.5	640.1	46
1.5	1.5	1.5	12.0	11.8	12.0	2.9	2.9	2.9	8.1	8.4	8.5	8.1	8.5	8.6	47
3.2	3.3	3.2	22.4	22.3	22.8	4.2	4.5	4.5	21.7	22.3	21.8	14.3	14.6	14.5	48
16.8	17.2	17.1	104.6	103.0	103.9	28.6	28.8	28.8	86.0	86.4	87.4	45.9	47.8	48.1	49
3.7	3.9	4.0	20.4	18.9	19.0	5.8	6.1	6.1	14.2	14.1	14.1	11.0	11.2	11.1	50
1.6	1.6	1.6	13.8	13.8	14.0	2.7	2.7	2.8	10.5	11.4	11.5	28.9	28.2	28.4	51
23.9	24.3	24.4	74.4	75.6	75.9	27.1	27.4	27.3	61.1	64.3	64.9	54.6	55.1	54.7	52
5.3	5.0	4.9	30.4	29.9	29.8	6.6	6.6	6.7	23.1	23.2	23.4	17.5	17.2	17.5	53
4.7	4.5	4.6	21.4	21.4	21.3	4.0	3.9	3.9	24.3	24.4	23.6	18.7	19.0	19.0	54
71.4	73.0	72.7	189.4	189.5	189.4	52.2	53.8	54.2	178.3	180.7	180.8	96.8	98.1	98.9	55
15.2	14.7	14.6	77.8	77.2	75.8	19.2	20.2	20.3	77.2	79.6	80.6	41.4	42.6	42.6	56
2.0	1.8	1.9	8.7	8.3	8.4	1.6	1.8	1.8	6.1	6.0	6.1	8.6	8.5	8.5	57
5.2	5.0	5.2	22.1	21.8	21.7	4.3	4.3	4.3	20.3	22.0	22.1	25.4	26.5	26.6	58
3.0	3.0	3.0	21.7	21.3	21.3	6.0	6.4	6.4	17.4	18.7	18.9	9.9	10.2	10.3	59
2.3	2.4	2.4	14.7	14.0	14.0	3.4	3.5	3.5	12.5	13.1	13.2	33.6	35.8	35.9	60
30.3	30.8	31.1	151.2	149.3	149.2	38.5	39.5	39.2	131.4	134.3	135.1	81.6	85.5	85.6	61
8.2	8.6	8.6	54.2	55.7	55.5	17.5	18.0	17.5	50.3	53.9	54.3	30.2	32.0	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		
	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P
1 GEORGIA .....	2,146.4	2,150.7	2,162.9	7.8	7.6	7.6	101.3	97.8	99.0	525.1	513.2	517.6
2 Albany .....	43.5	44.5	44.6	(1)	(1)	(1)	2.6	2.9	2.9	11.2	10.6	10.7
3 Atlanta .....	960.5	967.7	968.3	(1)	(1)	(1)	44.8	40.3	41.8	144.1	140.7	145.6
4 Augusta .....	122.5	123.0	123.5	(1)	(1)	(1)	5.4	5.1	5.2	36.6	35.8	35.8
5 Columbus .....	80.7	78.7	79.0	(1)	(1)	(1)	3.7	3.5	3.7	21.1	21.2	21.1
6 Macon .....	97.3	96.6	96.8	(1)	(1)	(1)	4.9	4.9	5.0	16.1	15.2	15.2
7 Savannah .....	85.5	86.4	85.9	(1)	(1)	(1)	5.2	6.1	6.0	16.5	16.7	16.7
8 HAWAII .....	407.9	404.6	406.4	(1)	(1)	(1)	25.0	24.4	24.4	23.3	22.2	22.5
9 Honolulu .....	336.6	334.2	335.9	(1)	(1)	(1)	20.2	20.2	20.4	16.5	15.6	16.2
10 IDAHO .....	329.0	325.8	325.5	4.8	4.8	4.8	15.4	14.9	15.4	53.7	53.9	52.4
11 Boise City .....	80.2	78.8	79.3	(1)	(1)	(1)	5.4	5.9	6.0	9.0	8.1	8.2
12 ILLINOIS .....	4,884.9	4,762.4	4,786.4	31.7	30.8	31.8	170.4	153.0	163.5	1,248.3	1,176.8	1,177.9
13 Bloomington—Normal .....	51.4	50.5	50.7	(2)	(2)	(2)	1.5	1.3	1.5	7.4	6.9	7.0
14 Champaign—Urbana—Rantoul .....	78.6	76.7	76.6	(2)	(2)	(2)	1.6	1.3	1.4	8.0	7.7	7.7
15 Chicago—Gary .....	3,523.1	(*)	(*)	5.1	(*)	(*)	132.5	(*)	(*)	929.6	(*)	(*)
16 Chicago SMSA <sup>3</sup> .....	3,266.4	3,186.8	3,191.5	5.0	4.8	4.9	117.4	97.0	101.7	832.7	803.7	804.2
17 Davenport—Rock Island—Moline .....	160.4	161.5	161.8	(2)	(2)	(2)	6.9	6.4	6.7	45.6	49.2	48.9
18 Decatur .....	53.8	54.7	54.5	(2)	(2)	(2)	2.0	1.7	1.9	19.7	19.2	19.0
19 Kankakee .....	35.2	33.4	33.4	(2)	(2)	(2)	1.7	1.4	1.4	9.7	9.4	9.3
20 Peoria .....	153.2	145.7	146.3	(2)	(2)	(2)	6.9	5.7	6.0	53.2	47.3	47.2
21 Rockford .....	121.2	114.2	114.6	(2)	(2)	(2)	3.1	3.1	3.2	53.6	48.5	48.7
22 Springfield .....	86.0	85.0	85.2	(2)	(2)	(2)	3.5	3.1	3.3	6.6	6.5	6.6
23 INDIANA .....	2,143.4	2,100.2	2,110.9	9.9	9.1	9.5	84.0	74.0	78.1	677.2	657.8	661.2
24 Anderson .....	49.3	46.1	46.1	(1)	(1)	(1)	1.1	.9	.9	21.4	19.9	20.1
25 Elkhart .....	69.9	66.3	67.3	-	-	-	2.1	1.5	2.0	36.0	33.8	34.1
26 Evansville .....	127.9	125.4	126.2	2.9	2.8	2.8	6.8	5.8	6.0	37.7	36.3	37.1
27 Fort Wayne .....	167.1	170.0	169.5	(1)	(1)	(1)	7.1	6.7	6.7	49.7	53.7	53.4
28 Gary Hammond—East Chicago <sup>3</sup> .....	256.7	250.1	251.2	(1)	(1)	(1)	15.1	13.8	14.2	96.9	93.0	93.1
29 Indianapolis .....	528.6	526.3	528.2	(1)	(1)	(1)	21.1	19.5	20.2	125.3	122.6	122.7
30 Lafayette—West Lafayette .....	57.5	58.0	57.5	(1)	(1)	(1)	1.7	2.0	2.1	11.9	11.0	11.1
31 Muncie .....	49.0	49.0	49.4	(1)	(1)	(1)	1.4	1.1	1.1	12.7	12.8	13.0
32 South Bend .....	112.6	106.9	107.0	(1)	(1)	(1)	4.6	4.3	4.4	32.4	30.2	30.3
33 Terre Haute .....	66.0	62.6	62.2	1.4	1.3	1.3	3.4	2.9	3.0	16.6	15.3	15.1
34 IOWA .....	1,116.1	1,069.9	1,076.2	2.1	1.6	1.8	43.9	34.8	36.5	257.8	236.0	235.8
35 Cedar Rapids .....	87.1	82.0	82.3	(1)	(1)	(1)	3.7	3.1	3.3	29.8	26.7	26.4
36 Des Moines .....	181.4	178.6	178.2	(1)	(1)	(1)	6.6	6.1	6.1	26.3	25.2	25.0
37 Dubuque .....	45.1	41.8	42.0	(1)	(1)	(1)	1.3	1.1	1.1	17.1	14.1	14.2
38 Sioux City .....	49.1	47.1	46.9	(1)	(1)	(1)	1.9	1.6	1.8	9.0	8.9	8.8
39 Waterloo—Cedar Falls .....	68.2	64.9	64.9	(1)	(1)	(1)	2.4	1.8	1.8	24.9	22.4	22.7
40 KANSAS .....	952.3	942.6	950.2	14.6	15.9	16.0	43.2	38.4	40.8	200.1	185.1	185.6
41 Lawrence .....	29.1	28.7	28.8	(2)	(2)	(2)	1.1	.7	.7	5.0	4.7	4.8
42 Topeka .....	85.8	84.8	85.4	.2	.1	.1	3.3	3.0	3.1	11.2	9.7	9.9
43 Wichita .....	206.3	204.7	206.6	2.6	3.2	3.2	9.6	8.6	9.2	66.9	63.7	63.8
44 KENTUCKY .....	1,198.7	1,194.0	1,195.6	52.0	55.5	55.6	49.5	48.0	49.5	285.8	274.0	273.8
45 Lexington—Fayette .....	142.3	140.4	139.6	(1)	(1)	(1)	5.8	3.4	3.8	30.8	29.2	29.2
46 Louisville .....	392.1	384.1	385.0	(1)	(1)	(1)	15.8	13.7	14.6	103.8	101.7	100.6
47 Owensboro .....	31.0	30.7	30.7	.9	.9	.9	1.7	1.9	2.0	7.0	6.9	7.0
48 LOUISIANA .....	1,550.0	1,610.5	1,616.7	85.0	91.7	92.0	132.9	146.9	151.8	209.5	214.7	214.0
49 Alexandria .....	51.5	52.6	52.6	(1)	(1)	(1)	3.9	4.0	4.1	5.6	5.8	5.7
50 Baton Rouge .....	202.4	207.3	208.6	1.2	1.5	1.5	24.2	23.9	23.9	25.8	26.3	26.4
51 Lafayette .....	75.0	83.3	84.7	13.8	17.2	17.4	5.0	5.5	5.6	3.8	4.3	4.4
52 Lake Charles .....	64.8	66.3	66.8	1.9	2.3	2.3	9.5	8.5	8.8	13.1	13.8	13.9
53 Monroe .....	50.2	50.3	50.2	.5	.5	.5	3.8	3.0	3.2	8.2	7.7	7.7
54 New Orleans .....	499.4	500.4	499.3	17.0	18.2	18.4	30.3	30.7	31.0	53.2	53.7	53.4
55 Shreveport .....	147.4	148.7	150.7	5.6	5.3	5.4	10.0	10.3	10.6	27.8	26.9	26.9
56 MAINE .....	406.2	409.1	408.7	(1)	(1)	(1)	15.8	14.8	15.8	113.2	113.0	112.1
57 Lewiston—Auburn .....	34.5	34.6	34.6	(1)	(1)	(1)	1.1	1.0	1.0	11.7	11.7	11.5
58 Portland .....	89.1	91.8	92.3	(1)	(1)	(1)	3.3	3.3	3.4	18.6	18.6	18.5
59 MARYLAND .....	1,685.8	1,665.2	1,666.0	(1)	(1)	(1)	101.0	90.0	95.9	243.3	233.8	234.8
60 Baltimore .....	951.6	942.7	950.6	(1)	(1)	(1)	48.0	46.5	48.8	164.6	158.5	159.2

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	
137.8	135.4	135.3	492.9	485.0	486.7	110.4	113.2	113.6	340.7	351.8	354.3	430.4	442.7	444.7	1
2.1	2.2	2.1	9.4	10.0	10.0	1.9	1.9	2.0	6.1	6.4	6.5	10.2	10.4	10.4	2
64.1	65.8	66.5	262.7	260.2	261.2	66.2	69.0	69.4	156.8	200.9	200.4	161.8	163.7	163.4	3
4.2	4.4	4.4	22.4	22.5	22.7	4.6	4.5	4.5	17.4	18.6	18.5	31.9	32.2	32.4	4
3.4	3.4	3.4	16.7	15.3	15.3	5.4	5.5	5.5	11.0	10.9	10.9	19.5	19.0	19.1	5
4.8	4.4	4.5	19.8	19.0	19.1	5.7	5.8	5.9	16.8	16.6	16.7	29.2	30.5	30.4	6
5.4	8.9	6.5	19.7	19.4	19.4	4.0	4.1	4.2	15.0	15.1	15.2	15.7	16.0	15.9	7
30.9	31.0	30.8	104.9	103.4	103.7	33.4	33.9	34.3	98.4	100.4	100.1	92.0	89.3	89.6	8
25.7	25.8	25.6	87.3	85.8	86.0	29.1	29.6	30.0	79.7	81.3	80.6	76.1	75.9	77.1	9
20.4	20.2	20.2	81.2	80.5	80.7	23.4	23.2	23.2	60.1	59.5	59.9	70.0	68.8	68.9	10
5.3	5.2	5.2	21.2	19.9	20.1	8.1	7.8	7.8	14.3	14.9	14.9	16.4	17.0	17.1	11
288.7	283.7	283.8	1,139.1	1,106.5	1,113.4	309.5	308.1	308.2	932.6	946.1	950.5	764.6	757.4	757.3	12
3.0	3.1	3.1	12.1	12.1	12.1	7.7	7.7	7.6	8.6	8.2	8.3	11.1	11.2	11.1	13
2.6	2.6	2.6	19.8	19.2	19.4	2.6	2.5	2.5	11.8	11.2	11.3	32.2	32.2	31.7	14
208.0	(*)	(*)	818.7	(*)	(*)	228.5	(*)	(*)	688.1	(*)	(*)	512.7	(*)	(*)	15
192.8	196.6	196.5	767.3	735.6	737.1	219.1	218.5	217.6	651.8	645.2	646.2	480.3	481.4	483.3	16
7.0	6.7	6.9	41.0	40.2	40.1	7.1	7.2	7.2	25.5	24.7	24.9	27.3	27.1	27.1	17
5.2	5.3	5.2	10.5	11.6	11.6	2.8	2.7	2.7	8.4	8.7	8.6	5.1	5.4	5.4	18
1.4	1.4	1.4	8.0	8.7	8.8	1.1	1.1	1.1	6.2	6.3	6.3	7.1	7.1	7.1	19
7.9	7.9	7.9	35.4	34.4	34.7	7.1	7.2	7.1	25.4	25.7	25.9	17.3	17.5	17.5	20
5.1	4.4	4.5	24.9	24.0	24.1	4.2	4.2	4.1	17.7	17.3	17.4	12.6	12.7	12.6	21
5.1	4.6	4.7	19.0	18.5	18.5	6.6	6.7	6.7	17.0	17.3	17.3	28.1	28.2	28.0	22
106.1	103.9	104.1	474.2	459.9	462.3	101.1	100.8	100.8	333.2	335.1	337.0	355.7	356.6	357.9	23
1.4	1.3	1.3	9.7	9.1	9.1	1.6	1.6	1.6	7.3	7.2	7.2	5.8	6.1	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	8.8	5.2	5.1	5.2	25
7.2	7.1	7.1	30.4	30.4	30.5	4.6	4.6	4.6	25.0	25.3	25.1	13.3	13.1	13.0	26
11.1	10.8	10.7	41.6	41.2	41.0	10.6	10.5	10.6	28.5	28.7	28.7	18.5	18.4	18.4	27
15.2	14.3	14.4	51.4	50.3	50.6	9.4	9.2	9.2	36.3	37.2	37.3	32.4	32.3	32.4	28
31.2	30.7	30.9	129.8	129.7	130.2	37.8	38.3	38.4	93.3	95.4	96.0	90.1	90.1	89.8	29
1.5	1.5	1.5	11.0	10.9	10.9	2.6	2.5	2.5	9.2	9.3	9.3	19.6	20.8	20.1	30
2.0	2.0	2.0	12.0	11.9	12.1	1.6	1.5	1.5	7.8	8.1	8.1	11.5	11.6	11.6	31
5.0	4.6	4.6	27.9	25.9	25.8	5.5	5.3	5.3	24.3	23.7	23.7	12.9	12.9	12.9	32
3.7	3.5	3.5	16.6	15.5	15.3	2.2	2.1	2.2	9.5	9.4	9.4	12.6	12.6	12.4	33
56.1	53.3	53.4	279.7	270.2	272.9	57.1	57.2	57.4	207.6	208.1	209.2	211.8	208.6	208.2	34
5.9	3.8	3.8	19.6	18.3	18.3	4.5	4.3	4.3	15.7	15.7	15.8	9.9	10.2	10.3	35
11.6	11.3	11.4	47.7	46.7	46.7	20.8	20.7	20.7	39.2	39.4	39.2	29.3	29.2	29.1	36
1.7	1.6	1.6	9.4	9.0	9.0	1.3	1.3	1.3	10.3	10.5	10.6	4.1	4.2	4.2	37
3.9	3.7	3.7	13.2	12.2	12.1	2.9	2.9	2.8	11.8	11.7	11.7	6.3	6.2	6.1	38
2.6	2.5	2.5	14.1	13.9	13.9	2.1	2.1	2.1	10.7	10.5	10.6	11.5	11.6	11.4	39
64.4	64.0	64.4	223.3	224.5	226.1	46.6	46.8	47.0	168.5	174.0	175.3	191.6	193.9	194.7	40
1.4	1.3	1.3	5.5	5.7	5.7	.8	.9	.9	4.0	4.3	4.2	11.3	11.1	11.2	41
7.4	7.4	7.5	18.5	18.8	18.8	6.0	6.3	6.3	16.9	17.4	17.6	22.3	22.1	22.1	42
10.8	10.8	10.9	44.2	44.9	45.4	9.3	9.1	9.1	38.3	39.1	39.5	24.6	25.3	25.5	43
68.4	67.4	67.3	252.9	254.2	252.1	51.1	52.1	52.0	204.8	206.2	208.8	233.2	236.6	236.5	44
7.1	7.5	7.5	31.1	32.3	31.6	7.1	7.6	7.6	26.2	26.7	26.5	34.2	33.4	33.4	45
24.6	22.9	23.1	87.9	85.0	86.0	23.1	23.0	22.9	75.5	77.0	77.7	61.5	60.8	60.0	46
2.3	2.4	2.5	6.9	6.7	6.6	1.2	1.3	1.3	6.1	5.8	5.6	4.9	4.8	4.8	47
122.3	125.9	125.7	352.1	357.9	360.0	74.1	75.5	75.4	266.0	277.3	277.7	308.1	320.6	320.1	48
2.5	2.4	2.4	10.9	11.3	11.4	2.8	2.9	2.9	10.3	10.9	10.9	15.5	15.3	15.2	49
10.7	11.3	11.4	43.1	45.1	45.5	11.2	11.2	11.3	33.2	34.7	34.9	52.9	53.2	53.7	50
5.4	6.1	6.1	19.7	20.9	21.5	2.5	2.7	2.8	14.6	15.2	15.4	10.2	11.4	11.5	51
3.2	3.8	3.6	14.0	14.4	14.6	2.7	2.7	2.7	9.6	9.8	9.5	10.8	11.0	11.0	52
2.6	2.9	2.8	13.0	12.9	13.0	3.6	4.0	3.9	7.8	8.0	8.0	10.7	11.3	11.1	53
51.8	52.0	52.0	125.9	125.0	124.7	30.1	30.3	30.4	110.4	111.2	110.5	80.7	79.3	78.9	54
10.0	10.7	10.8	34.8	36.0	36.3	7.1	7.1	7.2	27.4	27.5	28.4	24.7	24.9	25.1	55
18.2	18.6	18.6	83.1	83.8	83.9	16.1	16.5	16.5	74.2	77.2	77.3	85.6	85.2	84.5	56
1.2	1.2	1.2	8.0	8.2	8.2	1.5	1.6	1.6	7.6	7.5	7.7	3.4	3.4	3.4	57
5.1	5.3	5.3	23.0	24.4	24.7	7.1	7.6	7.6	18.6	19.3	19.5	13.4	13.3	13.3	58
87.1	84.7	85.9	396.5	399.5	403.5	89.7	92.3	92.9	353.2	359.5	367.0	415.0	405.4	406.0	59
55.6	57.5	58.6	211.9	209.5	210.9	56.5	58.2	58.5	191.4	202.4	204.8	219.6	210.1	209.8	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		
		MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P
1	<b>MASSACHUSETTES</b> <sup>4</sup>	2,633.2	2,629.1	2,652.3	(1)	(1)	(1)	66.7	61.6	63.5	683.1	666.8	667.3
2	Boston <sup>4</sup>	1,469.1	1,464.5	(*)	(1)	(1)	(*)	37.4	35.2	(*)	297.1	289.4	(*)
3	Brockton <sup>4</sup>	57.1	56.6	57.3	(1)	(1)	(1)	1.4	1.2	1.2	12.5	12.3	12.5
4	Fall River <sup>4</sup>	54.3	53.6	53.4	(1)	(1)	(1)	1.1	1.0	1.0	20.6	19.9	19.5
5	Lawrence—Haverhill <sup>4</sup>	110.8	112.9	114.5	(1)	(1)	(1)	2.5	2.4	2.5	43.3	44.8	44.8
6	Lowell <sup>4</sup>	77.2	75.5	(*)	(1)	(1)	(*)	2.3	2.2	(*)	28.4	28.1	(*)
7	New Bedford <sup>4</sup>	64.1	63.2	63.7	(1)	(1)	(1)	1.3	1.2	1.3	25.6	25.4	25.6
8	Springfield—Chicopee—Holyoke <sup>4</sup>	234.6	230.0	230.8	(1)	(1)	(1)	5.2	5.6	5.6	69.0	64.4	64.3
9	Worcester <sup>4</sup>	166.9	164.4	164.9	(1)	(1)	(1)	4.9	5.4	5.5	50.6	48.3	48.2
10	<b>MICHIGAN</b> <sup>4</sup>	3,491.2	3,420.9	3,440.7	12.5	12.0	12.1	107.0	97.4	98.8	1,057.4	1,010.7	1,024.9
11	Ann Arbor <sup>4</sup>	(*)	141.9	142.1	(*)	(1)	(1)	(*)	2.6	2.7	(*)	43.8	44.0
12	Battle Creek <sup>4</sup>	(*)	62.8	63.0	(*)	(1)	(1)	(*)	1.4	1.5	(*)	21.3	21.3
13	Bay City <sup>4</sup>	(*)	34.6	34.1	(*)	(1)	(1)	(*)	.8	.8	(*)	9.5	9.2
14	Detroit <sup>4</sup>	1,708.8	1,657.1	1,670.6	1.3	1.1	1.2	48.9	44.4	44.9	521.3	482.0	490.5
15	Flint <sup>4</sup>	(*)	195.6	196.5	(*)	(1)	(1)	(*)	6.3	6.8	(*)	76.5	76.7
16	Grand Rapids <sup>4</sup>	(*)	268.5	270.4	(*)	(1)	(1)	(*)	9.7	10.0	(*)	92.3	92.7
17	Jackson <sup>4</sup>	(*)	51.1	51.4	(*)	(1)	(1)	(*)	1.0	1.0	(*)	14.4	14.5
18	Kalamazoo—Portage <sup>4</sup>	(*)	106.8	107.8	(*)	(1)	(1)	(*)	3.7	3.9	(*)	32.3	32.6
19	Lansing—East Lansing <sup>4</sup>	(*)	191.9	193.7	(*)	(1)	(1)	(*)	5.1	5.0	(*)	39.7	41.0
20	Muskegon—Norton Shores—Musk. Hts. <sup>4</sup>	(*)	59.7	59.7	(*)	(1)	(1)	(*)	1.7	1.7	(*)	20.7	20.4
21	Saginaw <sup>4</sup>	(*)	85.5	85.6	(*)	(1)	(1)	(*)	2.0	1.9	(*)	30.9	31.0
22	<b>MINNESOTA</b>	1,753.2	1,722.2	1,732.5	15.9	14.8	15.3	64.9	56.8	58.7	377.7	358.2	362.2
23	Duluth—Superior	59.9	57.9	57.4	(1)	(1)	(1)	2.0	1.5	1.6	7.9	7.9	8.0
24	Minneapolis—St. Paul	1,084.6	1,064.4	1,091.8	(1)	(1)	(1)	40.1	34.7	35.5	251.1	240.8	243.5
25	Rochester	49.5	49.6	49.7	(2)	(2)	(2)	1.7	1.3	1.3	10.1	10.0	10.1
26	St. Cloud	54.5	54.7	54.5	(1)	(1)	(1)	2.2	2.3	2.2	12.3	12.1	12.2
27	<b>MISSISSIPPI</b>	834.1	825.6	826.0	10.2	11.0	11.1	40.9	38.7	40.2	227.5	218.1	215.9
28	Jackson	148.3	145.9	145.9	1.3	1.5	1.6	7.4	6.7	6.8	19.5	18.8	18.7
29	<b>MISSOURI</b>	1,974.0	1,920.7	1,943.9	7.7	7.1	7.2	76.6	61.3	67.4	452.6	421.5	428.8
30	Kansas City	629.0	602.8	616.4	.5	.5	.5	23.8	21.4	22.2	126.6	111.5	119.2
31	St. Joseph	37.2	37.2	37.3	(2)	(2)	(2)	1.8	1.7	1.8	9.3	9.2	9.3
32	St. Louis	995.0	965.9	964.4	2.7	2.6	2.6	40.5	37.7	39.8	247.8	232.9	231.3
33	Springfield	86.4	83.7	84.4	(2)	(2)	(2)	3.8	2.8	3.1	19.3	18.1	18.5
34	<b>MONTANA</b>	274.6	275.2	276.4	8.4	7.7	7.7	11.5	11.4	12.0	24.2	22.6	22.6
35	Billings	45.9	46.9	47.5	(1)	(1)	(1)	2.0	2.1	2.5	4.0	4.1	4.1
36	Great Falls	29.0	28.8	29.2	(1)	(1)	(1)	1.3	1.2	1.4	1.7	1.3	1.3
37	<b>NEBRASKA</b>	629.5	618.9	621.0	1.7	1.4	1.5	25.7	24.5	25.4	95.0	95.1	95.0
38	Lincoln	100.7	99.5	97.6	(2)	(2)	(2)	3.6	3.5	3.6	13.9	13.3	13.2
39	Omaha	265.0	259.4	261.1	(2)	(2)	(2)	9.4	8.8	9.3	36.6	35.0	34.8
40	<b>NEVADA</b>	394.7	402.8	407.9	5.2	7.6	7.8	26.0	24.8	25.4	19.5	19.8	19.9
41	Las Vegas	221.4	223.2	226.2	.4	.6	.6	14.9	12.8	13.0	6.8	7.1	7.2
42	Reno	112.8	113.5	114.8	.9	1.1	1.1	7.2	7.2	7.5	8.4	8.4	8.4
43	<b>NEW HAMPSHIRE</b>	378.9	382.0	384.0	.3	.3	.3	18.6	17.5	17.6	118.7	117.5	117.6
44	Manchester	73.5	73.3	73.5	(2)	(2)	(2)	2.9	3.0	3.0	18.0	16.6	16.7
45	Nashua	63.1	64.3	64.7	(2)	(2)	(2)	2.2	2.4	2.5	30.1	30.3	30.4
46	<b>NEW JERSEY</b>	3,022.1	3,015.1	3,034.5	2.4	2.2	2.3	100.2	99.0	103.9	797.9	771.1	772.7
47	Atlantic City	83.3	92.2	96.2	-	-	-	5.2	4.6	4.6	8.8	8.3	8.3
48	Camden <sup>5</sup>	327.5	324.0	326.0	.1	.1	.1	12.6	11.1	12.0	70.1	69.1	69.4
49	Hackensack <sup>6</sup>	398.5	390.4	393.9	(1)	(1)	(1)	12.6	12.5	12.8	115.9	108.9	109.5
50	Jersey City <sup>6</sup>	231.0	223.1	224.5	-	-	-	4.2	4.0	4.3	68.1	66.3	66.4
51	Long Branch—Asbury Park	154.6	160.3	161.9	(1)	(1)	(1)	5.7	6.6	6.8	24.2	25.3	25.7
52	New Bruns.—Perth Amboy—Sayreville <sup>6</sup>	289.0	288.8	291.2	(1)	(1)	(1)	9.1	10.3	10.6	91.1	90.5	91.1
53	Newark <sup>6</sup>	932.7	935.2	936.7	.7	.8	.8	28.9	30.3	30.2	254.9	243.9	244.3
54	Paterson—Clifton—Passaic <sup>6</sup>	188.4	186.4	187.2	(1)	(1)	(1)	5.7	6.4	6.6	69.1	65.5	65.5
55	Trenton	162.3	161.8	162.9	(1)	(1)	(1)	2.9	2.6	2.7	35.5	34.5	34.9
56	Vineland—Millville—Bridgeton	55.6	54.0	54.6	(1)	(1)	(1)	1.6	1.8	1.9	18.6	17.1	17.6
57	<b>NEW MEXICO</b>	463.5	456.6	461.2	29.2	30.7	30.8	31.4	26.4	27.1	34.7	33.0	33.1
58	Albuquerque	187.6	184.0	184.8	(1)	(1)	(1)	13.4	10.6	10.8	18.3	17.5	17.5
59	Las Cruces	29.7	29.9	29.9	-	-	-	1.8	1.7	1.7	2.6	2.5	2.4
60	<b>NEW YORK</b>	7,155.7	7,116.3	7,160.9	5.4	5.7	5.8	183.1	172.5	177.6	1,471.5	1,428.0	1,434.6
61	Albany—Schenectady—Troy	338.5	334.9	337.3	(1)	(1)	(1)	9.1	9.2	9.2	59.0	57.1	57.3
62	Binghamton	117.5	117.1	117.3	(1)	(1)	(1)	3.1	3.3	3.4	42.5	42.1	42.2

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	
121.7	123.6	124.1	558.4	560.1	564.3	156.6	160.4	161.7	628.1	650.7	663.2	418.6	405.9	408.2	1
72.8	74.2	(*)	315.9	312.7	(*)	108.5	111.4	(*)	419.8	431.8	(*)	217.6	209.8	(*)	2
3.7	3.7	3.7	15.1	15.0	15.0	2.0	2.0	2.0	10.1	10.4	10.6	12.3	12.0	12.3	3
1.9	1.9	1.8	11.0	11.0	11.1	2.7	2.7	2.8	9.0	9.3	9.4	8.0	7.8	7.8	4
4.6	4.7	4.7	21.0	21.3	21.5	4.0	4.2	4.2	17.7	18.3	18.6	17.7	17.2	18.2	5
3.3	3.2	(*)	15.7	15.7	(*)	2.1	2.1	(*)	12.6	12.0	(*)	12.8	12.2	(*)	6
2.5	2.6	2.6	12.0	11.6	11.6	2.0	2.1	2.0	9.5	9.3	9.5	11.2	11.0	11.1	7
5.4	5.4	9.4	47.2	46.4	47.0	12.9	13.2	13.2	45.0	45.8	45.9	45.9	45.2	45.4	8
7.2	7.4	7.3	34.8	34.0	34.2	9.0	9.2	9.3	33.5	33.7	33.8	26.9	26.4	26.6	9
152.3	148.8	148.1	726.0	714.7	718.4	155.2	156.5	156.6	638.4	651.3	655.4	642.4	629.6	626.5	10
(*)	3.2	3.2	(*)	18.3	18.4	(*)	4.2	4.2	(*)	23.1	23.0	(*)	46.7	46.6	11
(*)	2.7	2.3	(*)	10.6	10.6	(*)	3.8	3.8	(*)	11.1	11.2	(*)	12.3	12.3	12
(*)	1.7	1.7	(*)	8.2	8.2	(*)	1.3	1.3	(*)	7.4	7.3	(*)	5.7	5.7	13
62.1	75.2	80.0	362.7	359.2	361.1	88.6	90.7	90.6	347.5	351.0	354.1	256.4	249.4	248.1	14
(*)	6.3	6.3	(*)	40.9	41.1	(*)	6.5	6.5	(*)	29.8	29.9	(*)	29.3	29.2	15
(*)	11.4	11.4	(*)	60.8	61.5	(*)	10.8	10.8	(*)	49.3	49.8	(*)	34.2	34.2	16
(*)	5.1	5.2	(*)	10.2	10.2	(*)	1.7	1.7	(*)	9.4	9.4	(*)	9.3	9.4	17
(*)	3.5	3.6	(*)	21.0	21.1	(*)	3.6	3.7	(*)	21.9	21.8	(*)	20.8	21.1	18
(*)	5.6	5.6	(*)	34.6	34.8	(*)	9.4	9.4	(*)	28.9	29.1	(*)	68.7	68.8	19
(*)	3.1	3.1	(*)	11.4	11.6	(*)	1.8	1.8	(*)	9.6	9.7	(*)	11.4	11.4	20
(*)	4.9	4.9	(*)	17.6	17.6	(*)	4.1	4.0	(*)	14.1	14.3	(*)	12.0	11.9	21
55.0	57.3	57.7	436.6	421.2	424.0	92.9	95.1	95.1	360.3	368.7	370.9	305.9	311.0	309.7	22
6.0	5.6	5.7	16.0	15.6	15.4	2.3	2.2	2.2	12.8	12.7	12.5	12.8	12.2	12.0	23
64.7	64.0	63.9	266.6	264.3	266.4	68.7	70.9	70.9	222.8	244.2	246.4	160.5	165.5	165.3	24
2.0	1.9	1.9	9.8	10.2	10.2	1.4	1.4	1.4	18.4	19.0	19.1	6.2	5.8	5.8	25
3.5	3.4	3.4	13.3	13.6	13.4	1.9	1.9	1.9	9.4	9.8	9.7	12.0	11.6	11.6	26
40.3	40.6	40.7	162.9	164.4	165.0	32.8	32.9	33.0	121.7	122.2	122.9	197.7	197.7	197.3	27
9.9	9.8	9.8	35.3	34.2	34.3	11.2	11.1	11.2	28.4	28.8	28.9	35.3	34.9	34.7	28
140.3	136.9	136.6	457.6	448.7	454.6	106.8	108.9	109.4	386.0	395.0	399.2	346.4	341.3	340.7	29
53.6	50.8	50.8	158.7	152.9	155.0	43.5	43.8	43.9	127.7	129.1	131.2	94.6	93.8	93.6	30
2.2	2.1	2.1	9.1	9.0	9.0	1.9	1.9	1.9	6.8	6.9	6.9	6.1	6.4	6.3	31
71.6	69.5	69.3	227.2	218.5	220.6	56.6	55.3	55.5	208.8	211.2	212.6	139.8	138.2	137.7	32
6.4	6.5	6.4	22.7	22.1	22.3	3.3	3.4	3.4	18.8	18.5	18.5	12.1	12.3	12.2	33
22.5	23.3	23.4	70.3	70.1	70.6	12.7	12.6	12.7	54.5	56.3	56.4	70.6	71.1	71.0	34
4.5	4.8	4.8	15.6	15.5	15.5	2.2	2.2	2.3	9.7	10.2	10.2	7.8	8.1	8.1	35
1.8	1.9	1.9	9.3	9.4	9.5	2.1	2.0	2.0	7.0	6.9	7.0	5.9	6.0	6.1	36
47.0	46.6	46.9	163.8	159.7	160.7	41.6	42.6	43.0	116.2	116.7	118.1	134.5	132.1	130.4	37
7.2	7.2	7.2	22.2	21.4	21.6	7.0	6.9	7.0	17.3	17.6	17.7	29.5	29.6	27.3	38
24.3	23.6	23.8	68.3	66.5	66.9	24.7	25.1	25.3	58.4	58.4	58.8	43.3	42.0	42.2	39
23.8	25.0	25.1	78.3	82.7	83.6	18.2	18.1	18.1	166.4	166.2	169.1	57.3	58.6	58.9	40
13.1	13.6	13.7	44.7	48.4	49.2	10.7	10.5	10.4	104.7	103.2	105.0	26.1	27.0	27.1	41
8.0	8.4	8.4	24.3	24.8	24.9	6.1	6.2	6.2	41.6	40.5	41.3	16.3	16.9	17.0	42
13.8	13.8	13.8	80.9	83.4	83.6	19.2	19.9	19.9	68.9	72.4	72.9	58.5	58.2	58.3	43
4.6	4.6	4.6	18.4	18.8	18.9	6.2	6.2	6.2	14.7	15.5	15.6	8.7	8.6	8.5	44
2.0	2.0	2.0	12.0	12.4	12.5	1.9	1.9	1.9	9.0	9.4	9.5	5.9	5.5	5.9	45
154.4	187.8	188.7	661.7	659.3	661.5	154.9	155.8	156.0	586.5	616.4	623.9	524.1	523.5	525.5	46
3.9	3.8	3.8	17.9	17.7	18.1	4.7	4.6	4.6	28.1	37.9	41.5	14.7	15.3	15.3	47
15.9	14.7	14.8	85.1	85.0	84.9	16.4	16.5	16.4	66.0	66.6	67.3	61.3	60.9	61.1	48
20.8	20.3	20.6	114.5	111.7	111.7	16.2	17.3	17.3	73.9	75.0	76.4	44.6	44.7	45.6	49
27.8	24.0	24.2	44.6	43.2	43.3	8.8	8.7	8.7	31.8	32.2	32.5	45.6	44.7	45.1	50
6.0	6.0	6.0	38.4	39.0	39.4	8.0	8.0	8.0	38.9	41.5	41.9	33.5	33.9	34.1	51
22.6	24.2	24.5	66.6	65.2	65.6	9.8	10.0	10.0	40.1	41.7	42.4	49.6	46.5	47.0	52
74.2	74.7	75.1	176.7	173.9	174.1	63.6	63.7	64.0	186.5	197.5	197.4	147.2	150.4	150.8	53
6.7	6.7	6.9	39.5	38.9	39.5	9.0	9.1	8.9	32.6	33.0	33.1	25.8	26.8	26.7	54
5.6	5.3	5.3	24.8	25.4	25.3	7.3	7.4	7.5	42.2	42.1	42.6	43.9	44.5	44.6	55
3.0	2.8	2.8	8.8	8.8	8.5	2.4	2.4	2.4	8.5	8.5	8.8	12.7	12.6	12.6	56
28.1	28.8	28.9	101.1	100.0	100.5	20.9	20.7	20.9	91.1	91.3	91.8	127.0	127.7	128.1	57
11.6	11.8	11.9	46.1	45.3	45.4	10.8	10.8	10.9	43.5	44.2	44.3	43.9	43.8	44.0	58
1.2	1.2	1.2	5.3	5.3	5.3	1.1	1.2	1.2	4.1	4.0	4.1	13.6	14.0	14.0	59
425.6	429.1	428.9	1,446.3	1,427.4	1,436.3	616.1	627.5	629.4	1,674.8	1,717.1	1,728.0	1,328.9	1,309.2	1,320.3	80
15.7	15.7	15.7	67.9	66.9	67.0	15.5	15.6	15.6	70.7	71.2	71.8	100.5	99.2	100.7	81
4.6	4.5	4.5	21.5	21.3	21.4	4.1	3.9	3.9	17.9	18.6	18.5	23.8	23.4	23.4	82

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P
<b>NEW YORK—Continued</b>												
1 Buffalo	502.7	494.2	498.0	(1)	(1)	(1)	13.3	13.3	13.7	139.7	132.6	134.4
2 Elmira	36.5	36.8	36.7	(1)	(1)	(1)	.8	.8	.9	11.5	11.1	10.7
3 Monroe County <sup>7</sup>	333.5	337.9	338.5	(1)	(1)	(1)	7.9	7.9	8.1	133.9	135.8	136.2
4 Nassau—Suffolk <sup>8</sup>	903.5	899.9	909.4	(1)	(1)	(1)	33.1	32.1	32.7	168.6	166.1	166.4
5 New York—NortheasternNew Jersey <sup>9</sup>	(*)	6,645.5	(*)	(*)	2.7	(*)	(*)	183.4	(*)	(*)	1,321.4	(*)
6 New York and Nassau—Suffolk <sup>6</sup>	4,634.1	4,628.8	4,665.2	1.7	1.8	1.8	121.5	118.9	122.9	765.8	746.5	752.4
7 New York SMSA <sup>8</sup>	3,730.6	3,728.9	3,755.8	1.4	1.6	1.6	88.5	86.8	89.2	601.2	580.4	586.0
8 New York City <sup>9</sup>	3,291.5	3,288.9	3,312.9	1.1	1.2	1.2	72.1	71.1	72.8	509.1	488.7	494.1
9 Poughkeepsie	96.6	96.6	96.8	(1)	(1)	(1)	2.3	2.2	2.3	31.5	31.8	31.6
10 Rochester	409.5	412.4	413.6	(1)	(1)	(1)	9.3	9.7	10.0	155.0	156.0	156.1
11 Rockland County <sup>9</sup>	80.3	81.2	81.4	(1)	(1)	(1)	2.4	2.2	2.2	15.8	15.8	15.7
12 Syracuse	257.2	257.3	256.8	(1)	(1)	(1)	7.7	8.4	8.5	59.9	58.8	58.7
13 Utica—Rome	113.5	112.3	112.6	(1)	(1)	(1)	2.0	2.1	2.2	31.8	29.7	29.4
14 Westchester County <sup>9</sup>	346.7	346.9	349.4	(1)	(1)	(1)	13.3	13.1	13.6	75.0	74.6	74.9
<b>NORTH CAROLINA</b>												
15 Asheville	69.8	68.5	68.7	(1)	(1)	(1)	3.1	2.8	2.9	22.2	21.3	21.3
17 Charlotte—Gastonia	337.5	334.5	334.9	(1)	(1)	(1)	18.0	17.1	17.1	95.4	93.0	93.0
18 Greensboro—Winston-Salem—HighPt.	385.3	384.7	387.5	(1)	(1)	(1)	16.4	15.7	16.4	150.0	149.9	150.1
19 Raleigh—Durham	272.1	270.4	271.3	(1)	(1)	(1)	14.0	11.7	12.3	44.5	43.7	43.8
<b>NORTH DAKOTA</b>												
20 Fargo—Moorhead	61.8	61.7	61.5	(2)	(2)	(2)	3.2	2.8	2.7	5.0	4.7	4.4
<b>OHIO</b>												
22 Akron	264.9	256.4	258.6	(*)	(*)	(*)	7.4	6.2	6.5	82.4	76.9	77.6
24 Canton	158.2	153.0	153.5	(*)	(*)	(*)	4.9	4.4	4.7	58.1	54.7	54.0
25 Cincinnati	601.6	596.9	600.1	(*)	(*)	(*)	24.4	22.7	23.6	167.9	162.7	162.0
26 Cleveland	910.9	881.2	887.8	(*)	(*)	(*)	30.6	27.1	28.8	268.6	250.2	249.8
27 Columbus	511.5	509.8	514.0	(*)	(*)	(*)	18.8	16.9	18.0	99.7	94.6	94.8
28 Dayton	358.9	352.4	355.5	(*)	(*)	(*)	12.1	10.8	11.3	103.3	99.3	100.2
29 Toledo	294.2	287.4	292.0	(*)	(*)	(*)	11.0	11.1	11.6	77.7	72.8	75.7
30 Youngstown—Warren	206.8	192.8	195.1	(*)	(*)	(*)	6.1	5.9	6.1	75.5	63.7	66.7
<b>OKLAHOMA</b>												
31 Enid	25.2	25.8	25.8	1.8	2.1	2.1	1.6	1.7	1.7	2.9	3.0	3.0
33 Lawton	29.3	28.8	29.0	(1)	(1)	(1)	1.6	1.5	1.6	2.9	2.7	2.8
34 Oklahoma City	395.3	405.1	410.9	16.7	19.3	19.4	19.6	19.5	21.7	55.9	54.9	55.3
35 Tulsa	301.2	310.5	313.3	20.7	22.6	22.6	16.9	16.8	17.7	62.1	63.6	64.4
<b>OREGON</b>												
36 Eugene—Springfield	104.3	100.6	100.6	(1)	(1)	(1)	4.5	4.0	4.0	20.0	18.7	18.6
38 Jackson County										7.4	6.8	6.8
39 Portland	563.5	531.6	542.5	(1)	(1)	(1)	25.6	20.4	21.1	117.2	100.9	110.1
40 Salem	88.0	84.6	84.7	(1)	(1)	(1)	4.3	3.8	3.8	12.4	11.3	11.2
<b>PENNSYLVANIA</b>												
42 Allentown—Bethlehem—Easton	265.5	260.0	261.6	(1)	(1)	(1)	8.0	7.9	8.1	109.6	105.3	105.9
43 Altoona	50.6	48.5	49.0	(1)	(1)	(1)	2.0	2.2	2.2	12.8	11.9	12.3
44 Delaware Valley <sup>10</sup>	1,581.5	1,567.0	1,574.3	(1)	(1)	(1)	56.6	57.2	58.4	374.6	361.4	362.1
45 Erie	113.2	111.0	111.2	(1)	(1)	(1)	2.6	2.6	2.8	43.4	41.1	40.9
46 Harrisburg	220.3	220.0	220.3	(1)	(1)	(1)	8.0	6.3	6.5	43.2	42.3	42.2
47 Johnstown	86.5	82.0	82.1	8.8	8.0	7.9	2.3	2.0	2.0	15.3	17.3	17.4
48 Lancaster	152.9	151.2	152.2	(1)	(1)	(1)	6.9	6.4	6.6	59.7	58.2	58.6
49 Northeast Pennsylvania	238.6	237.3	238.2	1.1	1.2	1.2	9.5	9.9	10.2	72.7	71.0	71.5
50 Philadelphia SMSA	1,905.1	1,891.2	1,900.1	(1)	(1)	(1)	69.1	68.3	70.5	444.8	430.5	431.0
51 Philadelphia City <sup>11</sup>	783.5	779.0	782.6	(1)	(1)	(1)	18.0	19.9	20.0	137.4	131.6	132.8
52 Pittsburgh	950.1	934.2	940.5	10.5	10.1	10.2	42.4	37.2	40.6	248.2	240.2	238.7
53 Reading	138.4	140.0	140.1	(1)	(1)	(1)	4.6	4.6	4.9	53.5	54.2	53.8
54 Scranton <sup>12</sup>	85.7	85.4	85.6	(1)	(1)	(1)	1.7	1.9	2.0	28.3	28.1	28.5
55 Wilkes-Barre—Hazleton <sup>13</sup>	124.0	122.8	123.6	1.0	1.1	1.1	6.8	7.0	7.1	39.5	38.0	38.6
56 Williamsport	47.2	46.3	46.4	(1)	(1)	(1)	1.3	1.1	1.2	17.1	15.9	16.0
57 York	156.3	153.1	154.4	(1)	(1)	(1)	6.3	6.0	6.1	66.5	63.8	64.8
<b>RHODE ISLAND</b>												
58 Providence—Warwick—Pawtucket	393.1	391.7	392.9	(1)	(1)	(1)	10.8	11.1	11.3	129.6	125.7	125.0
59	402.2	399.0	400.2	(1)	(1)	(1)	11.0	11.3	11.5	144.1	138.6	137.8
<b>SOUTH CAROLINA</b>												
60 Charleston—North Charleston	147.7	149.5	150.0	(1)	(1)	(1)	12.5	10.9	11.0	19.8	20.3	20.7
62 Columbia	179.3	180.2	179.9	(1)	(1)	(1)	8.1	8.4	8.4	28.0	27.5	27.1
63 Greenville—Spartanburg	266.0	264.3	264.5	(1)	(1)	(1)	16.3	16.8	17.1	107.2	103.3	102.8

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government				
MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P		
24.7	25.8	25.8	112.3	111.1	111.5	22.0	22.3	22.4	99.1	102.0	102.5	89.6	87.2	87.8	1	
1.4	1.3	1.3	8.1	8.8	8.7	1.0	1.1	1.1	6.9	7.3	7.4	6.8	6.5	6.5	2	
10.2	10.1	10.1	59.1	58.5	58.8	14.1	14.3	14.2	66.2	65.4	69.8	42.1	41.9	41.6	3	
25.0	39.1	35.3	231.9	235.4	237.3	51.4	51.6	51.8	198.4	199.7	203.5	181.2	175.9	177.4	4	
(*)	469.5	(*)	(*)	1,374.8	(*)	(*)	622.4	(*)	(*)	1,586.6	(*)	(*)	1,074.6	(*)	(*)	5
315.5	319.5	319.7	946.3	941.0	946.5	512.7	523.4	524.8	1,185.7	1,211.4	1,222.4	777.1	765.8	774.6	6	
280.4	280.4	280.5	714.4	708.2	709.2	461.3	471.7	473.0	987.5	1,011.5	1,019.2	595.9	589.9	597.2	7	
257.2	257.1	257.1	613.5	603.8	606.4	440.5	450.4	451.6	882.0	905.4	911.3	516.0	511.3	518.4	8	
7.9	2.8	2.9	16.0	16.0	16.0	2.7	2.7	2.7	17.4	17.7	17.6	23.7	23.4	23.7	9	
12.7	12.6	12.6	75.7	74.7	75.2	15.7	15.9	15.8	77.5	80.3	80.8	63.5	63.3	63.0	10	
3.5	3.5	3.5	17.3	17.8	18.0	2.6	2.5	2.5	17.6	18.1	18.1	21.1	21.4	21.4	11	
14.7	14.6	14.6	55.8	55.1	55.2	15.8	16.4	16.5	52.0	53.6	53.2	51.1	50.4	50.2	12	
3.9	3.9	3.9	21.0	21.3	21.3	5.4	5.4	5.4	20.3	21.0	21.2	29.2	29.0	29.1	13	
15.1	19.2	19.3	80.5	81.7	81.9	17.8	18.3	18.4	85.4	86.0	87.2	55.6	54.0	54.1	14	
117.6	116.4	116.5	464.0	466.0	467.3	94.0	95.4	95.6	334.2	344.9	346.5	418.9	423.7	425.4	15	
3.6	3.7	3.6	14.3	14.5	14.5	2.1	2.1	2.1	12.5	12.3	12.3	12.0	11.8	12.0	16	
31.3	31.0	31.1	82.2	82.3	82.3	20.9	21.0	21.0	51.3	52.6	52.8	37.4	37.5	37.6	17	
21.7	21.0	21.1	76.6	75.4	75.8	17.8	18.1	18.1	55.8	57.4	57.9	47.0	47.2	48.1	18	
13.3	13.7	13.8	52.4	51.5	51.1	15.4	15.6	15.6	57.1	57.8	57.9	75.4	76.4	76.8	19	
16.3	17.4	17.1	66.1	65.1	66.3	11.3	11.6	11.6	43.5	43.5	49.9	61.6	61.7	61.6	20	
3.8	4.0	4.0	18.9	18.4	18.8	3.8	3.8	3.8	13.7	14.2	14.2	13.4	13.8	13.6	21	
222.6	216.9	217.7	956.5	936.3	943.4	203.9	206.1	206.3	815.8	827.4	835.7	699.8	696.7	698.4	22	
14.5	13.6	13.7	56.4	54.9	55.2	9.3	9.2	9.2	49.1	50.1	50.3	45.3	45.2	45.7	23	
7.3	6.9	6.9	32.0	31.8	32.1	6.1	6.3	6.3	28.4	28.9	29.3	19.3	19.0	18.5	24	
34.0	33.1	33.4	139.1	137.6	138.6	32.2	32.9	33.0	118.0	120.7	122.1	85.7	86.0	87.1	25	
45.5	43.8	44.0	208.1	202.6	203.7	48.7	48.5	48.5	185.7	186.8	189.9	122.2	120.9	121.6	26	
24.6	24.4	24.5	120.5	120.5	121.3	37.4	39.1	39.2	103.5	107.2	108.6	106.2	106.4	106.9	27	
13.1	13.0	13.1	73.9	70.8	71.2	13.4	13.6	13.6	72.1	74.2	74.9	70.7	70.3	70.7	28	
15.8	19.3	19.5	66.9	64.5	65.3	10.6	10.9	10.9	59.1	60.1	60.3	48.6	48.2	48.3	29	
5.6	9.0	9.1	44.4	43.0	43.3	7.1	7.2	7.2	37.2	37.5	38.0	26.4	26.1	24.4	30	
68.3	68.0	68.0	259.9	271.1	273.7	55.6	56.6	57.2	192.4	205.5	208.7	227.6	228.8	229.5	31	
2.7	2.8	2.8	7.0	6.9	6.9	1.1	1.1	1.1	4.4	4.5	4.5	3.7	3.7	3.7	32	
1.2	1.3	1.3	7.3	7.1	7.0	1.2	1.3	1.4	4.4	4.4	4.4	10.7	10.5	10.5	33	
23.4	23.9	24.0	95.2	100.1	101.5	24.3	24.9	25.1	71.7	75.8	77.2	88.5	86.7	86.7	34	
22.9	24.0	24.1	70.1	71.5	72.2	15.3	15.6	15.5	58.9	63.0	63.7	33.3	33.4	33.1	35	
60.1	59.1	59.1	255.2	245.2	246.0	69.7	67.1	67.7	192.4	188.1	188.8	210.5	203.0	203.0	36	
5.1	5.2	5.2	25.5	24.9	24.8	5.4	5.2	5.2	20.1	19.7	20.0	23.7	22.9	22.8	37	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	
36.6	35.6	35.5	142.8	137.9	138.1	45.4	45.1	45.5	111.9	110.6	111.2	84.0	81.1	81.0	39	
2.7	2.8	2.8	15.4	18.9	18.9	5.5	5.4	5.4	15.0	14.9	14.9	28.7	27.5	27.6	40	
267.0	256.0	255.6	978.4	964.9	968.5	233.5	237.6	237.8	955.8	965.1	974.9	736.7	735.3	735.3	41	
14.1	13.7	13.7	51.4	48.8	49.0	9.2	9.7	9.7	43.4	44.8	45.4	29.8	29.8	29.8	42	
7.0	6.5	6.4	11.0	10.5	10.6	1.5	1.5	1.5	8.7	8.4	8.3	7.6	7.5	7.7	43	
82.0	81.9	81.4	329.0	323.1	323.5	107.8	109.6	109.8	389.0	397.1	401.1	241.3	236.7	238.0	44	
5.2	5.3	5.3	21.8	21.8	21.8	4.8	4.9	4.9	21.4	22.7	22.8	14.0	12.6	12.7	45	
17.1	15.8	15.8	45.0	45.0	45.0	12.7	13.2	13.1	37.2	35.5	39.7	57.1	57.9	58.0	46	
5.3	4.6	4.5	16.4	15.9	15.8	3.9	4.0	4.0	15.9	15.5	15.6	14.6	14.7	14.9	47	
6.3	6.0	6.1	33.5	32.7	32.8	5.3	5.7	5.7	25.3	26.8	26.8	15.9	15.4	15.6	48	
15.3	13.2	13.2	49.0	49.3	49.0	9.6	9.7	9.8	43.0	43.3	43.3	40.4	39.7	40.0	49	
55.1	96.6	96.2	414.1	408.2	408.6	124.3	126.2	126.2	455.1	463.7	468.4	302.6	297.7	299.2	50	
52.9	50.6	50.3	144.5	143.2	143.0	66.9	66.5	66.7	215.4	220.5	222.2	148.4	146.7	147.6	51	
61.0	57.3	57.7	207.1	206.1	207.9	45.3	45.0	45.1	211.1	214.4	215.9	124.5	123.9	124.4	52	
6.5	6.3	6.2	27.3	27.7	27.9	6.1	6.2	6.2	22.8	23.5	23.5	17.2	17.5	17.6	53	
4.2	4.3	4.3	18.8	18.7	18.3	3.5	3.6	3.6	17.1	16.8	16.8	12.1	12.0	12.1	54	
7.1	7.1	7.0	25.1	25.7	25.6	5.1	5.0	5.1	19.1	19.0	19.2	20.3	19.5	19.9	55	
2.3	2.4	2.4	9.8	10.0	9.0	2.1	2.2	2.2	7.7	8.0	8.0	6.9	6.7	6.7	56	
7.3	7.1	7.2	32.8	33.1	33.2	3.7	3.7	3.7	21.3	21.6	21.6	18.4	17.8	17.8	57	
13.0	13.1	13.2	78.6	79.4	79.5	20.8	20.7	20.8	80.5	82.3	83.4	59.8	59.4	59.7	58	
13.0	13.1	13.2	79.4	79.9	80.0	20.8	20.7	20.9	77.8	79.6	80.8	56.1	55.8	56.0	59	
52.3	53.7	53.6	219.6	219.1	221.1	46.5	47.5	47.8	156.4	157.4	160.2	240.7	244.1	244.2	60	
8.6	9.3	9.2	30.9	31.3	31.4	6.2	6.3	6.4	23.5	24.8	24.8	46.2	46.6	46.5	61	
5.4	5.6	5.7	37.4	37.2	37.3	13.8	14.2	14.2	27.2	27.0	27.2	55.4	56.3	56.0	62	
10.3	10.0	10.0	50.8	51.8	51.8	9.1	9.4	9.4	36.6	37.1	37.4	35.7	35.9	36.0	63	

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P
1 SOUTH DAKOTA .....	235.6	229.0	229.8	2.8	2.7	2.7	9.0	7.4	7.6	27.3	25.0	25.3
2 Rapid City .....	31.5	30.7	31.1	(2)	(2)	(2)	2.0	1.6	1.7	3.2	3.1	3.1
3 Sioux Falls .....	54.1	53.6	52.9	(2)	(2)	(2)	2.4	1.8	1.8	7.8	7.8	7.8
4 TENNESSEE .....	1,752.6	1,705.2	1,715.4	9.8	9.7	10.0	76.4	63.7	66.2	517.6	502.9	507.1
5 Chattanooga .....	170.8	166.0	166.2	1.1	1.2	1.2	6.2	6.1	6.2	52.3	49.1	49.2
6 Knoxville .....	(*)	159.2	(*)	(*)	1.6	(*)	(*)	10.1	(*)	(*)	52.5	(*)
7 Memphis .....	358.6	355.4	356.6	.2	.1	.1	15.5	14.8	15.1	59.9	58.7	59.0
8 Nashville—Davidson .....	360.9	354.2	355.4	(1)	(1)	(1)	17.9	16.1	16.2	82.2	79.5	80.0
9 TEXAS .....	5,761.5	6,014.7	6,048.6	224.2	257.2	260.8	425.2	420.8	427.9	1,029.1	1,070.4	1,074.3
10 Abilene .....	55.0	56.3	56.7	3.8	4.3	4.4	3.1	2.8	2.9	5.7	5.6	5.6
11 Amarillo .....	75.4	74.8	75.6	(1)	(1)	(1)	4.3	3.8	3.9	10.0	9.6	10.2
12 Austin .....	242.0	245.5	247.1	(1)	(1)	(1)	13.9	13.9	14.5	30.1	30.5	30.7
13 Beaumont—Port Arthur Orange .....	138.5	152.4	152.1	(1)	(1)	(1)	12.2	11.1	10.7	28.8	43.5	43.3
14 Corpus Christi .....	126.1	124.0	125.5	6.6	6.2	6.1	14.5	12.7	12.7	16.0	15.9	16.6
15 Dallas—Fort Worth .....	1,443.9	1,488.5	1,502.7	23.7	26.5	26.9	85.9	86.2	88.8	320.4	322.2	322.9
16 El Paso .....	162.1	161.8	162.7	(1)	(1)	(1)	8.5	7.8	7.8	36.4	35.9	36.2
17 Galveston—Texas City .....	67.8	71.2	71.8	(1)	(1)	(1)	4.9	4.3	4.5	10.1	12.3	12.4
18 Houston .....	1,424.9	1,468.3	1,475.8	79.5	83.9	84.5	143.5	143.8	145.3	233.2	249.6	250.4
19 Longview—Marshall .....	64.9	65.3	65.5	(1)	(1)	(1)	4.7	4.7	4.8	18.9	19.4	19.3
20 Lubbock .....	89.6	89.3	89.3	(1)	(1)	(1)	4.2	4.1	4.2	13.7	12.1	12.0
21 Midland .....	40.6	42.3	44.1	10.0	11.5	11.7	3.1	2.9	2.7	3.8	3.7	3.7
22 Odessa .....	51.4	54.3	55.4	7.7	8.4	8.5	4.3	4.6	4.5	7.0	7.6	7.8
23 San Angelo .....	34.9	35.9	35.9	.8	.9	.9	2.1	2.2	2.3	6.5	6.3	6.3
24 San Antonio .....	395.2	403.0	403.7	2.4	2.8	2.8	27.6	28.1	28.4	50.8	52.4	52.3
25 Sherman—Denison .....	36.6	37.0	(*)	.2	.2	(*)	1.8	1.9	(*)	13.9	13.3	(*)
26 Waco .....	71.5	72.7	72.9	(1)	(1)	(1)	3.8	3.6	3.6	16.6	16.9	17.0
27 Wichita Falls .....	52.4	53.0	53.3	3.2	3.4	3.3	2.7	2.4	2.4	9.4	9.7	9.8
28 UTAH .....	549.9	552.6	556.1	18.3	19.8	19.7	29.3	26.2	27.3	88.6	89.1	89.2
29 Salt Lake City—Ogden .....	389.9	391.4	393.4	7.6	7.9	7.8	20.3	18.0	18.4	60.9	61.1	61.3
30 VERMONT .....	198.6	204.6	204.2	.7	.7	.7	7.9	8.1	8.0	51.4	50.3	50.2
31 Burlington <sup>14</sup> .....	56.3	58.2	58.1	-	-	-	-	-	-	14.3	15.2	15.1
32 Springfield <sup>14</sup> .....	14.5	14.5	14.3	-	-	-	-	-	-	6.2	6.4	6.3
33 VIRGINIA .....	2,097.5	2,106.7	2,117.5	23.7	23.6	23.8	120.2	106.9	110.7	414.4	406.4	408.8
34 Bristol .....	28.1	28.3	28.1	(1)	(1)	(1)	1.2	1.1	1.3	9.4	9.3	8.8
35 Lynchburg .....	72.4	71.2	71.2	(1)	(1)	(1)	3.4	3.2	3.1	29.5	28.8	29.0
36 Newport News—Hampton .....	147.1	152.3	153.1	(1)	(1)	(1)	6.9	6.5	6.9	33.8	36.1	35.9
37 Norfolk—Virginia Beach—Portsmouth .....	283.1	281.2	284.2	(1)	(1)	(1)	15.7	14.8	15.2	29.8	27.3	28.7
38 Northern Virginia <sup>15</sup> .....	423.4	422.9	434.2	.4	.4	.4	26.2	25.6	26.6	17.1	17.5	17.7
39 Petersburg—Colonial Hghts—Holyoke .....	47.7	46.2	46.1	(1)	(1)	(1)	3.0	2.0	2.1	12.1	11.7	11.5
40 Richmond .....	324.8	326.7	327.9	.4	.4	.4	16.5	15.3	15.9	55.9	55.9	55.9
41 Roanoke .....	104.4	102.6	103.0	.1	.1	.1	5.7	4.8	5.1	21.0	20.9	20.9
42 WASHINGTON .....	1,602.4	1,582.0	1,589.9	3.0	2.7	2.7	92.9	85.0	88.5	309.6	299.1	297.9
43 Seattle—Everett .....	781.9	(*)	(*)	(1)	(*)	(*)	40.5	(*)	(*)	174.5	(*)	(*)
44 Spokane .....	127.1	(*)	(*)	(1)	(*)	(*)	6.4	(*)	(*)	17.3	(*)	(*)
45 Tacoma .....	141.1	(*)	(*)	(1)	(*)	(*)	7.3	(*)	(*)	22.2	(*)	(*)
46 WEST VIRGINIA .....	639.9	634.1	637.4	65.9	66.6	66.7	31.5	25.8	28.8	119.5	115.7	114.4
47 Charleston .....	115.9	113.6	113.8	7.2	6.9	6.9	5.9	5.1	5.5	18.5	17.3	17.1
48 Huntington—Ashland .....	103.2	103.1	102.6	1.1	1.1	1.1	4.7	3.6	4.0	27.0	26.0	24.9
49 Parkersburg—Marietta .....	58.8	57.2	57.5	.9	.9	.9	3.2	2.6	2.9	17.6	16.7	16.8
50 Wheeling .....	65.8	63.8	64.2	5.9	5.2	5.2	2.7	2.0	2.3	17.3	11.9	12.0
51 WISCONSIN .....	1,932.4	1,910.1	1,905.6	2.2	1.7	1.9	60.7	58.2	60.3	572.4	539.2	533.0
52 Appleton—Oshkosh .....	126.2	123.3	123.5	(1)	(1)	(1)	5.3	5.6	5.5	48.6	45.7	45.2
53 Eau Claire .....	45.4	48.4	48.2	(1)	(1)	(1)	1.4	1.7	1.9	7.3	8.6	8.7
54 Green Bay .....	76.3	77.0	77.3	(1)	(1)	(1)	2.8	2.5	2.6	21.2	20.9	20.9
55 Janesville—Beloit .....	49.1	51.5	46.2	(1)	(1)	(1)	1.6	1.7	1.8	17.6	20.6	15.0
56 Kenosha .....	44.8	38.5	37.8	(1)	(1)	(1)	2.7	1.9	1.9	18.2	12.5	12.3
57 La Crosse .....	44.2	45.5	45.5	(1)	(1)	(1)	1.4	1.3	1.3	11.0	10.6	10.7
58 Madison .....	167.3	169.0	169.5	(1)	(1)	(1)	5.9	5.6	5.8	20.1	19.7	19.7
59 Milwaukee .....	676.7	668.8	669.6	(1)	(1)	(1)	18.7	18.5	19.4	214.9	200.8	199.4
60 Racine .....	71.2	67.8	68.5	(1)	(1)	(1)	1.6	1.3	1.6	32.1	29.8	30.0
61 WYOMING .....	200.8	200.7	200.8	33.6	35.9	36.0	17.5	16.5	16.5	9.2	10.8	10.8
62 Casper .....	37.7	38.8	39.0	6.6	6.8	7.0	3.2	3.1	3.3	1.6	1.8	1.7
63 Cheyenne .....	25.8	28.7	28.3	(1)	(1)	(1)	1.9	2.2	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			
MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	
13.2	13.5	13.5	64.8	61.4	61.7	10.9	10.9	10.9	48.8	49.2	48.9	58.8	58.9	59.2	1
1.9	1.9	1.9	9.0	8.6	8.7	1.5	1.5	1.5	6.6	6.6	6.8	7.3	7.4	7.4	2
4.9	4.9	4.7	16.3	15.9	15.5	3.2	3.4	3.4	12.6	13.0	13.2	6.9	6.8	6.5	3
88.5	81.4	81.1	379.0	366.9	366.9	77.9	77.0	76.5	283.4	282.8	283.6	322.2	320.8	321.0	4
7.2	7.1	7.1	33.0	32.3	32.2	9.4	9.4	9.3	27.5	27.3	27.4	34.2	33.5	33.6	5
(*)	8.1	(*)	(*)	41.1	(*)	(*)	8.1	(*)	(*)	31.4	(*)	(*)	46.3	(*)	6
27.6	26.3	26.4	56.2	96.5	96.5	19.2	19.2	19.2	72.5	72.7	73.0	67.5	67.1	67.3	7
15.4	15.0	18.9	81.6	78.3	79.6	24.3	24.3	24.2	70.4	72.7	72.2	65.1	64.3	64.3	8
361.7	373.0	373.7	1,412.4	1,431.0	1,441.0	328.0	347.0	348.5	995.8	1,053.6	1,061.9	985.1	1,061.7	1,060.5	9
3.1	3.2	3.2	14.5	15.5	15.6	2.5	2.7	2.7	12.6	12.6	12.8	9.7	9.6	9.5	10
7.2	7.2	7.2	22.6	22.2	22.4	3.8	3.6	3.6	14.8	15.4	15.4	12.7	13.0	12.9	11
7.2	7.2	7.2	51.0	51.5	51.7	14.4	14.9	15.1	44.1	44.0	44.4	81.3	83.6	83.5	12
11.7	12.1	12.1	33.9	32.9	33.2	5.4	5.6	5.6	26.0	27.2	27.1	20.5	20.0	20.1	13
7.3	7.5	7.5	28.9	28.6	29.2	5.7	5.5	5.6	20.7	21.3	21.5	26.4	26.3	26.3	14
53.2	94.8	95.6	380.3	393.6	397.6	107.6	113.0	113.5	251.5	264.9	270.2	181.3	187.4	187.2	15
11.0	11.1	11.1	39.3	38.9	38.9	7.3	7.4	7.4	25.4	24.7	25.0	34.2	36.0	36.3	16
6.6	7.0	6.8	13.3	13.7	14.0	4.5	4.7	4.6	10.8	11.1	11.2	17.6	18.1	18.2	17
101.2	104.6	104.7	346.0	345.1	346.8	86.5	90.4	90.8	272.1	284.2	286.3	162.9	166.7	167.0	18
3.4	3.6	3.6	15.2	14.7	14.8	2.3	2.4	2.4	13.0	13.0	13.1	7.4	7.5	7.5	19
5.1	5.0	5.0	26.2	26.5	26.6	4.7	4.8	4.8	16.3	17.4	17.3	19.4	19.4	19.4	20
2.4	2.4	2.4	8.9	9.6	9.7	2.1	2.4	2.4	5.8	6.6	6.8	4.5	4.7	4.7	21
2.4	2.4	2.4	15.2	16.3	16.4	1.8	2.0	2.0	6.5	7.0	6.8	6.5	6.5	6.6	22
3.2	3.4	3.4	8.1	8.4	8.3	1.5	1.6	1.6	6.4	6.7	6.7	6.3	6.4	6.4	23
18.1	18.3	18.4	97.7	97.9	98.0	26.2	27.8	27.8	78.4	81.3	81.7	94.0	94.4	94.3	24
2.3	2.4	(*)	7.0	7.1	(*)	1.2	1.3	(*)	5.5	5.8	(*)	4.8	5.0	(*)	25
3.3	3.5	3.5	17.3	17.0	17.0	4.0	4.3	4.3	14.9	15.6	15.7	11.6	11.8	11.8	26
2.6	2.7	2.7	13.1	13.3	13.3	2.3	2.3	2.4	8.1	8.2	8.3	11.0	11.0	11.1	27
34.4	34.5	34.9	127.4	127.2	128.0	26.0	26.0	26.1	59.3	100.6	101.3	126.5	129.3	129.6	28
27.3	27.2	27.4	54.7	95.0	95.5	20.8	20.8	20.9	68.2	65.1	69.6	90.1	92.3	92.5	29
8.7	8.5	8.5	39.8	41.0	41.1	7.9	8.3	8.4	43.8	49.0	48.5	38.4	38.7	38.8	30
2.3	2.3	2.3	11.8	11.9	11.9	-	-	-	11.6	12.5	12.4	-	-	-	31
.7	.7	.7	2.0	2.0	2.0	-	-	-	2.8	2.7	2.6	-	-	-	32
113.8	114.2	114.0	436.6	444.9	446.9	104.3	105.7	106.5	379.0	389.7	391.8	505.5	515.3	515.0	33
1.1	1.2	1.2	6.5	6.6	6.7	1.0	1.0	1.0	3.7	3.7	3.7	5.2	5.4	5.4	34
2.8	2.6	2.6	11.8	11.4	11.3	3.5	3.6	3.6	11.0	11.0	11.0	10.4	10.6	10.6	35
4.9	5.1	5.2	27.8	28.7	28.6	5.0	5.0	5.0	26.7	28.0	28.4	42.0	42.9	43.1	36
15.0	19.0	18.9	68.2	68.9	69.7	14.5	14.5	14.6	53.5	55.9	56.3	82.4	80.8	80.8	37
28.8	28.9	28.9	96.8	98.5	98.6	26.5	27.3	27.4	109.6	114.0	113.9	118.0	120.7	120.7	38
1.6	1.5	1.5	8.1	8.1	8.1	1.3	1.2	1.2	6.0	6.4	6.5	15.6	15.3	15.2	39
15.5	15.9	20.0	72.5	73.4	73.9	26.8	26.7	26.8	58.4	59.4	59.5	74.8	75.7	75.5	40
10.0	9.5	9.5	25.9	25.3	25.3	6.3	6.3	6.3	19.4	19.5	19.6	16.0	16.2	16.2	41
50.7	88.5	87.7	377.0	370.0	372.5	90.6	92.1	92.4	303.3	311.1	314.5	335.3	333.5	333.7	42
52.9	(*)	(*)	186.4	(*)	(*)	55.2	(*)	(*)	150.6	(*)	(*)	121.8	(*)	(*)	43
7.9	(*)	(*)	35.0	(*)	(*)	8.1	(*)	(*)	28.8	(*)	(*)	23.6	(*)	(*)	44
7.0	(*)	(*)	32.5	(*)	(*)	7.1	(*)	(*)	31.4	(*)	(*)	33.6	(*)	(*)	45
42.8	42.4	42.6	127.7	130.6	131.1	21.8	22.2	22.2	55.3	97.7	97.8	135.3	133.1	133.5	46
5.9	9.7	9.7	26.3	26.4	26.3	5.1	5.0	5.0	20.0	20.3	20.4	23.0	22.8	23.0	47
5.7	9.9	9.9	23.0	24.7	25.1	3.8	3.8	3.8	14.8	15.1	15.1	19.1	19.0	18.9	48
2.5	2.5	2.5	12.6	12.6	12.5	2.0	2.1	2.1	10.1	10.1	10.1	9.9	9.8	9.8	49
3.8	3.8	3.7	15.5	15.2	15.1	2.8	2.8	2.7	13.6	13.8	13.8	9.3	9.2	9.3	50
50.7	90.3	90.2	428.1	424.3	428.7	91.9	93.8	94.0	358.5	371.2	373.4	377.8	331.4	328.2	51
4.4	4.4	4.4	25.5	24.7	25.1	5.3	5.4	5.5	20.1	20.7	21.0	17.1	16.8	16.8	52
2.6	2.6	2.6	12.6	12.8	12.8	1.5	1.6	1.6	9.5	10.0	10.0	10.5	11.2	10.6	53
5.6	5.9	5.9	19.3	19.4	19.5	2.4	2.4	2.4	14.9	15.4	15.5	10.2	10.6	10.5	54
2.2	2.0	2.0	11.3	10.7	10.9	1.3	1.3	1.3	8.7	8.0	8.1	6.6	7.2	7.2	55
1.2	1.2	1.1	7.9	7.8	7.9	1.1	1.1	1.1	7.8	8.0	7.8	5.9	6.0	5.8	56
2.4	2.3	2.3	11.3	12.2	12.1	1.1	1.1	1.1	9.7	10.7	10.7	7.3	7.3	7.3	57
6.2	6.3	6.4	34.4	34.7	35.0	12.4	12.8	12.8	30.8	31.5	31.9	57.6	58.2	57.9	58
34.4	33.9	33.7	143.2	141.6	142.8	39.2	39.5	39.5	139.4	145.6	146.9	87.0	88.4	87.9	59
2.3	2.3	2.3	12.8	12.2	12.3	2.2	2.1	2.1	11.4	11.3	11.5	8.7	8.9	8.9	60
16.9	17.9	18.2	43.8	40.3	40.4	7.2	7.3	7.3	28.6	28.6	28.0	44.0	43.4	43.6	61
2.8	3.3	3.3	10.5	10.0	9.8	1.7	1.9	1.9	5.7	6.0	6.0	5.6	5.9	6.0	62
4.5	4.4	4.1	6.9	6.1	6.0	1.6	1.5	1.5	4.6	4.3	4.2	8.6	8.6	8.7	63

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P
1 PUERTO RICO .....	(*)	(*)	(*)	.9	.9	(*)	39.8	36.4	(*)	(*)	(*)	(*)
2 Caguas .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
3 Mayaguez .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
4 Ponce .....	(*)	(*)	(*)	(*)	(*)	(*)	3.7	3.0	(*)	(*)	(*)	(*)
5 San Juan .....	(*)	(*)	(*)	(*)	(*)	(*)	28.1	25.5	(*)	(*)	(*)	(*)
6 VIRGIN ISLANDS .....	27.8	26.6	26.9	(2)	(2)	(2)	3.3	2.6	1.7	3.3	3.1	3.2

<sup>1</sup> Combined with services.  
<sup>2</sup> Combined with construction.  
<sup>3</sup> Area included in Chicago-Gary Standard Consolidated Statistical Area.  
<sup>4</sup> Revised to 1980 benchmark; not strictly comparable with previously published data.  
<sup>5</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.  
<sup>6</sup> Subarea of New York—Northeastern New Jersey.  
<sup>7</sup> Subarea of Rochester Standard Metropolitan Statistical Area.  
<sup>8</sup> Area included in New York and Nassau-Suffolk combined SMSA's.  
<sup>9</sup> Subarea of New York Standard Metropolitan Statistical Area.  
<sup>10</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

<sup>11</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.  
<sup>12</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.  
<sup>13</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.  
<sup>14</sup> Total includes data for industry divisions not shown separately.  
<sup>15</sup> 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			
MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	
17.4	18.4	(*)	113.7	113.9	(*)	26.8	28.0	(*)	85.4	85.9	(*)	257.2	258.4	(*)	1
(*)	(*)	(*)	5.5	5.4	(*)	(*)	(*)	(*)	(*)	(*)	(*)	12.5	12.4	(*)	2
(*)	(*)	(*)	5.5	5.7	(*)	(*)	(*)	(*)	(*)	(*)	(*)	15.9	15.8	(*)	3
(*)	(*)	(*)	7.6	7.9	(*)	(*)	(*)	(*)	7.4	7.2	(*)	18.8	18.8	(*)	4
13.6	14.7	(*)	71.9	71.8	(*)	20.5	21.0	(*)	58.3	58.7	(*)	122.4	121.9	(*)	5
2.0	2.1	2.1	7.8	7.6	7.6	1.6	1.6	1.6	6.5	6.2	6.2	13.3	13.4	13.3	6





# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
-	<b>TOTAL PRIVATE</b> .....	\$229.15	\$228.55	\$246.74	\$249.92	\$249.56	\$6.51	\$6.53	\$7.07	\$7.10	\$7.11
-	<b>MINING</b> .....	388.43	389.48	422.44	415.11	417.53	8.95	9.10	9.87	9.86	9.71
10	<b>METAL MINING</b> .....	412.83	413.00	456.44	456.33	-	9.90	10.00	11.16	11.13	-
101	Iron ores .....	444.74	423.72	465.27	467.28	-	10.44	10.36	11.93	11.80	-
102	Copper ores .....	429.42	434.09	492.15	483.49	-	10.20	10.46	11.58	11.43	-
11, 12	<b>COAL MINING</b> .....	426.06	433.40	460.02	417.68	-	10.52	11.00	11.22	11.35	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	427.28	434.58	462.38	418.78	-	10.55	11.03	11.25	11.38	-
13	<b>OIL AND GAS EXTRACTION</b> .....	378.18	376.20	412.52	419.82	-	8.33	8.36	9.30	9.35	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	394.56	400.89	440.18	440.59	-	9.60	9.66	10.71	10.72	-
138	Oil and gas field services .....	371.92	367.16	403.61	413.52	-	7.93	7.93	8.89	8.97	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	314.36	318.42	332.09	342.40	-	7.21	7.32	8.08	8.00	-
142	Crushed and broken stone .....	305.06	314.75	302.88	327.99	-	6.84	7.01	7.61	7.61	-
-	<b>CONSTRUCTION</b> .....	350.42	355.62	364.70	388.00	384.19	9.68	9.69	10.42	10.43	10.44
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	318.05	324.54	326.11	346.16	-	9.01	9.04	9.48	9.51	-
152	Residential building construction .....	297.21	302.02	304.31	320.04	-	8.59	8.58	9.03	8.99	-
153	Operative builders .....	280.60	293.58	285.10	298.91	-	8.04	8.11	8.24	8.28	-
154	Nonresidential building construction .....	340.20	345.80	348.95	371.85	-	9.45	9.50	9.97	10.05	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	349.84	353.36	362.03	395.60	-	8.79	8.79	9.68	9.72	-
161	Highway and street construction .....	313.58	331.28	306.49	348.25	-	8.02	8.20	8.49	8.62	-
162	Heavy construction, except highway .....	362.40	362.50	379.89	410.66	-	9.06	9.04	10.05	10.09	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	366.74	371.96	384.41	406.61	-	10.36	10.39	11.11	11.14	-
171	Plumbing, heating, air conditioning .....	390.38	389.41	412.18	419.99	-	10.41	10.44	11.14	11.17	-
172	Painting, paper hanging, decorating .....	330.43	328.79	332.00	354.20	-	9.55	9.53	9.97	10.12	-
173	Electrical work .....	428.26	434.32	453.38	472.72	-	11.39	11.49	12.32	12.44	-
174	Masonry, stonework, and plastering .....	331.99	345.78	342.86	376.15	-	10.03	10.20	10.85	10.84	-
176	Carpentering and flooring .....	308.59	312.13	329.59	349.81	-	9.13	9.10	10.11	10.11	-
176	Roofing and sheet metal work .....	265.22	278.07	277.11	325.83	-	8.90	8.97	9.49	9.64	-
-	<b>MANUFACTURING</b> .....	280.99	279.35	305.73	310.82	312.04	7.06	7.09	7.74	7.79	7.86
24, 26, 32-39	<b>DURABLE GOODS</b> .....	303.86	301.64	329.97	337.37	337.28	7.54	7.56	8.27	8.33	8.39
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	245.07	246.13	269.66	272.22	273.15	6.30	6.36	6.95	6.98	7.04
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	243.21	232.99	262.66	266.27	268.23	6.35	6.28	6.84	6.81	6.86
241	Logging camps and logging contractors .....	312.91	319.58	324.28	336.42	-	8.30	8.41	8.86	8.83	-
242	Sawmills and planing mills .....	251.94	234.24	279.03	277.29	-	6.51	6.40	7.10	7.02	-
2421	Sawmills and planing mills, general .....	265.39	245.28	293.92	291.12	-	6.84	6.72	7.46	7.37	-
2426	Hardwood dimension and flooring .....	179.93	175.18	196.21	196.52	-	4.59	4.61	4.93	4.95	-
243	Millwork, plywood, and structural members .....	242.55	228.04	261.23	266.23	-	6.30	6.18	6.75	6.74	-
2431	Millwork .....	242.11	231.63	257.56	262.77	-	6.24	6.21	6.76	6.79	-
2434	Wood kitchen cabinets .....	210.50	214.10	224.96	235.46	-	5.72	5.74	6.08	6.10	-
2435	Hardwood veneer and plywood .....	201.20	187.18	218.83	221.90	-	5.03	4.90	5.39	5.36	-
2436	Softwood veneer and plywood .....	308.88	265.52	326.36	329.26	-	7.80	7.63	8.20	8.15	-
244	Wooden containers .....	184.46	179.82	199.18	207.81	-	4.88	4.86	5.34	5.44	-
245	Wood buildings and mobile homes .....	210.45	208.55	218.82	224.79	-	6.03	6.01	6.27	6.35	-
2451	Mobile homes .....	209.75	205.97	213.41	220.90	-	6.01	5.97	6.15	6.24	-
249	Miscellaneous wood products .....	212.40	206.59	232.76	235.34	-	5.31	5.23	5.79	5.74	-
25	<b>FURNITURE AND FIXTURES</b> .....	206.75	204.28	218.89	223.49	221.36	5.37	5.39	5.73	5.76	5.81
251	Household furniture .....	191.76	190.01	203.84	207.67	-	5.02	5.04	5.35	5.38	-
2511	Wood household furniture .....	178.64	178.78	191.46	193.72	-	4.64	4.68	4.96	4.98	-
2512	Upholstered household furniture .....	203.04	199.82	213.49	220.00	-	5.40	5.43	5.77	5.82	-
2514	Metal household furniture .....	201.37	198.53	211.46	214.73	-	5.15	5.17	5.45	5.45	-
2515	Mattresses and bedspings .....	215.84	207.92	223.13	224.47	-	5.68	5.65	5.95	5.97	-
252	Office furniture .....	223.69	226.78	247.27	249.71	-	5.78	5.80	6.26	6.29	-
253	Public building and related furniture .....	233.04	227.15	246.48	255.20	-	5.87	5.90	6.24	6.38	-
264	Partitions and fixtures .....	255.06	251.14	264.22	266.19	-	6.54	6.54	6.99	6.95	-
259	Miscellaneous furniture and fixtures .....	230.44	224.55	246.73	253.50	-	5.97	6.02	6.51	6.50	-

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				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
-	<b>TOTAL PRIVATE</b> .....	35.2	35.0	34.9	35.2	35.1	-	-	-	-	-
-	<b>MINING</b> .....	43.4	42.8	42.8	42.1	43.0	-	-	-	-	-
10	<b>METAL MINING</b> .....	41.7	41.3	40.9	41.0	-	-	-	-	-	-
101	Iron ores .....	42.6	40.9	39.0	39.6	-	-	-	-	-	-
102	Copper ores .....	42.1	41.5	42.5	42.3	-	-	-	-	-	-
11, 12	<b>COAL MINING</b> .....	40.5	39.4	41.0	36.8	-	-	-	-	-	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	40.5	39.4	41.1	36.8	-	-	-	-	-	-
13	<b>OIL AND GAS EXTRACTION</b> .....	45.4	45.0	44.4	44.9	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	41.1	41.5	41.1	41.1	-	-	-	-	-	-
138	Oil and gas field services .....	46.9	46.3	45.4	46.1	-	-	-	-	-	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	43.6	43.5	41.1	42.8	-	-	-	-	-	-
142	Crushed and broken stone .....	44.6	44.9	39.8	43.1	-	-	-	-	-	-
-	<b>CONSTRUCTION</b> .....	36.2	36.7	35.0	37.2	36.8	-	-	-	-	-
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	35.3	35.9	34.4	36.4	-	-	-	-	-	-
152	Residential building construction .....	34.6	35.2	33.7	35.6	-	-	-	-	-	-
153	Operative builders .....	34.9	36.2	34.6	36.1	-	-	-	-	-	-
154	Nonresidential building construction .....	36.0	36.4	35.0	37.0	-	-	-	-	-	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	39.8	40.2	37.4	40.7	-	-	-	-	-	-
161	Highway and street construction .....	39.1	40.4	36.1	40.4	-	-	-	-	-	-
162	Heavy construction, except highway .....	40.0	40.1	37.8	40.7	-	-	-	-	-	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	35.4	35.8	34.6	36.5	-	-	-	-	-	-
171	Plumbing, heating, air conditioning .....	37.5	37.3	37.0	37.6	-	-	-	-	-	-
172	Painting, paper hanging, decorating .....	34.6	34.5	33.3	35.0	-	-	-	-	-	-
173	Electrical work .....	37.6	37.8	36.8	38.0	-	-	-	-	-	-
174	Masonry, stonework, and plastering .....	33.1	33.9	31.6	34.7	-	-	-	-	-	-
175	Carpentering and flooring .....	33.8	34.3	32.6	34.6	-	-	-	-	-	-
176	Roofing and sheet metal work .....	29.8	31.0	29.2	33.8	-	-	-	-	-	-
-	<b>MANUFACTURING</b> .....	39.8	39.4	39.5	39.9	39.7	3.0	2.7	2.8	2.8	2.6
24, 25, 32-39	<b>DURABLE GOODS</b> .....	40.3	39.9	39.9	40.5	40.2	3.1	2.7	2.8	2.8	2.7
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	38.9	38.7	38.8	39.0	38.8	2.9	2.7	2.8	2.7	2.6
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	38.3	37.1	38.4	39.1	39.1	2.9	2.3	2.7	2.7	-
241	Logging camps and logging contractors .....	37.7	38.0	36.6	38.1	-	3.2	3.2	3.3	3.2	-
242	Sawmills and planing mills .....	38.7	36.6	39.3	39.5	-	3.6	2.7	3.2	3.1	-
2421	Sawmills and planing mills, general .....	38.8	36.5	39.4	39.5	-	3.9	2.9	3.4	3.3	-
2426	Hardwood dimension and flooring .....	39.2	38.0	39.8	39.7	-	2.8	2.2	2.7	2.6	-
243	Millwork, plywood, and structural members .....	38.5	36.9	38.7	39.5	-	2.4	1.8	2.3	2.4	-
2431	Millwork .....	38.8	37.3	38.1	38.7	-	1.5	1.4	1.5	1.6	-
2434	Wood kitchen cabinets .....	36.8	37.3	37.0	38.6	-	1.6	1.6	1.3	1.6	-
2435	Hardwood veneer and plywood .....	40.0	38.2	40.6	41.4	-	3.5	2.6	3.6	3.8	-
2436	Softwood veneer and plywood .....	39.6	34.8	39.8	40.4	-	4.1	2.3	3.6	3.3	-
244	Wooden containers .....	37.8	37.0	37.3	38.2	-	2.7	2.0	1.7	2.1	-
245	Wood buildings and mobile homes .....	34.9	34.7	34.9	35.4	-	1.1	1.0	1.2	1.3	-
2451	Mobile homes .....	34.9	34.5	34.7	35.4	-	1.1	.8	.9	.9	-
249	Miscellaneous wood products .....	40.0	39.5	40.2	41.0	-	3.2	2.6	2.9	3.0	-
25	<b>FURNITURE AND FIXTURES</b> .....	38.5	37.9	38.2	38.8	38.1	1.9	1.7	1.9	1.9	-
251	Household furniture .....	38.2	37.7	38.1	38.6	-	1.9	1.7	1.8	1.9	-
2511	Wood household furniture .....	38.5	38.2	38.6	38.9	-	2.2	2.0	1.8	1.9	-
2512	Upholstered household furniture .....	37.6	36.8	37.0	37.8	-	1.2	1.1	1.3	1.5	-
2514	Metal household furniture .....	39.1	38.4	38.8	39.4	-	2.0	1.7	3.3	2.9	-
2515	Mattresses and bedspings .....	38.0	36.8	37.5	37.6	-	2.3	1.9	1.7	1.8	-
252	Office furniture .....	38.7	39.1	39.5	39.7	-	1.9	1.7	2.2	2.4	-
253	Public building and related furniture .....	39.7	38.5	39.5	40.0	-	2.4	2.1	2.6	2.3	-
254	Partitions and fixtures .....	39.0	38.4	37.8	38.3	-	2.5	2.1	1.8	1.8	-
259	Miscellaneous furniture and fixtures .....	38.6	37.3	37.9	39.0	-	1.1	.8	1.2	1.3	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	\$295.89	\$296.54	\$312.44	\$322.34	\$326.82	\$7.27	\$7.34	\$7.89	\$7.92	\$8.03
321	Flat glass	393.54	383.88	407.48	430.50	-	9.46	9.25	10.29	10.50	-
322	Glass and glassware, pressed or blown	314.98	313.24	334.89	335.34	-	7.72	7.93	8.31	8.28	-
3221	Glass containers	337.02	330.50	355.14	354.35	-	8.18	8.54	8.62	8.58	-
3229	Pressed and blown glass, nec	286.22	290.48	308.89	311.66	-	7.12	7.19	7.90	7.89	-
323	Products of purchased glass	257.28	246.27	271.96	274.91	-	6.40	6.38	6.92	6.89	-
324	Cement, hydraulic	437.47	427.91	459.13	463.41	-	10.15	10.14	11.09	11.06	-
325	Structural clay products	240.19	242.80	253.99	259.60	-	5.96	6.07	6.43	6.49	-
326	Pottery and related products	238.55	237.84	260.02	264.40	-	6.07	6.13	6.65	6.66	-
327	Concrete, gypsum, and plaster products	287.74	298.70	295.66	321.10	-	7.14	7.25	7.76	7.87	-
3271	Concrete block and brick	258.00	273.37	287.60	306.59	-	6.45	6.54	7.19	7.18	-
3272	Concrete products, nec	262.92	266.67	268.80	287.00	-	6.46	6.52	6.91	7.00	-
3273	Ready-mixed concrete	308.10	325.99	306.92	345.57	-	7.90	7.99	8.67	8.72	-
329	Misc. nonmetallic mineral products	300.77	295.80	322.29	324.62	-	7.23	7.25	7.88	7.86	-
3291	Abrasive products	293.04	284.89	304.30	308.59	-	7.13	7.14	7.44	7.49	-
3292	Asbestos products	307.52	304.14	325.21	328.75	-	7.27	7.40	8.01	7.96	-
33	<b>PRIMARY METAL INDUSTRIES</b>	\$384.62	\$386.92	\$429.79	\$433.61	\$436.81	9.45	9.53	10.56	10.55	10.68
331	Blast furnace and basic steel products	441.10	445.72	503.01	503.89	-	11.00	11.06	12.42	12.29	-
3312	Blast furnaces and steel mills	456.80	463.79	522.78	522.29	-	11.42	11.48	12.94	12.77	-
3317	Steel pipe and tubes	347.67	338.61	398.21	404.50	-	8.67	8.66	9.76	9.89	-
332	Iron and steel foundries	326.82	320.79	349.60	357.21	-	8.03	8.06	8.74	8.82	-
3321	Gray iron foundries	323.20	315.90	353.03	361.89	-	8.08	8.10	8.87	8.98	-
3322	Malleable iron foundries	340.56	336.40	360.30	382.55	-	8.71	8.67	9.31	9.54	-
3325	Steel foundries, nec	334.17	331.55	344.40	347.75	-	7.90	7.97	8.40	8.42	-
333	Primary nonferrous metals	429.22	433.63	472.16	480.70	-	10.22	10.30	11.35	11.50	-
3334	Primary aluminum	455.78	453.44	497.67	519.48	-	10.93	10.90	12.05	12.31	-
335	Nonferrous rolling and drawing	356.59	356.99	394.38	399.95	-	8.47	8.52	9.39	9.50	-
3351	Copper rolling and drawing	316.30	312.83	364.59	348.99	-	7.64	7.63	8.42	8.27	-
3353	Aluminum sheet, plate, and foil	436.65	443.93	497.64	510.74	-	10.25	10.47	11.60	11.85	-
3357	Nonferrous wire drawing and insulating	334.22	329.38	359.39	366.08	-	7.92	7.88	8.66	8.80	-
336	Nonferrous foundries	285.32	285.37	309.68	318.74	-	7.08	7.17	7.84	7.87	-
3361	Aluminum foundries	293.22	294.00	319.99	330.88	-	7.24	7.35	8.04	8.09	-
34	<b>FABRICATED METAL PRODUCTS</b>	293.94	292.25	316.00	323.19	322.81	7.24	7.27	7.90	7.98	8.03
341	Metal cans and shipping containers	415.66	414.79	442.64	450.02	-	9.49	9.47	10.27	10.49	-
3411	Metal cans	430.22	431.74	455.80	464.38	-	9.80	9.79	10.60	10.85	-
342	Cutlery, hand tools, and hardware	275.52	273.04	294.47	304.50	-	6.94	6.93	7.57	7.67	-
3423, 5	Hand and edge tools, and hand saws and blades	265.79	266.26	285.19	291.05	-	6.62	6.69	7.22	7.24	-
3429	Hardware, nec	285.77	280.47	309.16	321.90	-	7.29	7.21	8.03	8.17	-
343	Plumbing and heating, except electric	253.94	252.59	269.18	276.75	-	6.45	6.46	7.01	7.06	-
3432	Plumbing fittings and brass goods	257.91	256.41	268.49	271.60	-	6.26	6.30	6.78	6.79	-
3433	Heating equipment, except electric	242.74	239.65	259.82	263.47	-	6.24	6.29	6.91	6.97	-
344	Fabricated structural metal products	279.00	281.47	303.34	303.17	-	7.07	7.09	7.66	7.71	-
3441	Fabricated structural metal	293.82	300.77	320.69	321.91	-	7.36	7.39	7.86	7.89	-
3442	Metal doors, sash, and trim	219.26	219.62	238.75	241.40	-	5.71	5.81	6.25	6.27	-
3443	Fabricated plate work (boiler shops)	315.18	317.29	344.35	349.76	-	7.65	7.72	8.44	8.51	-
3444	Sheet metal work	274.56	276.97	299.92	310.46	-	7.04	7.12	7.77	7.84	-
3446	Architectural metal work	251.29	253.24	283.38	284.40	-	6.46	6.51	7.12	7.11	-
345	Screw machine products, bolts, etc.	288.06	281.26	302.19	306.00	-	6.81	6.86	7.48	7.50	-
3451	Screw machine products	261.04	256.63	268.71	278.40	-	6.29	6.29	6.89	6.96	-
3452	Bolts, nuts, rivets, and washers	313.90	305.29	336.07	334.85	-	7.30	7.41	8.04	8.03	-
346	Metal forgings and stampings	339.01	331.57	366.51	384.81	-	8.35	8.31	9.14	9.34	-
3462	Iron and steel forgings	365.71	368.52	394.61	404.38	-	9.12	9.19	9.89	9.96	-
3465	Automotive stampings	411.28	398.73	458.94	495.55	-	10.13	10.12	11.36	11.66	-
3469	Metal stampings, nec	260.65	258.40	280.59	285.53	-	6.42	6.46	7.05	7.05	-
347	Metal services, nec	239.09	237.37	261.12	263.81	-	5.86	5.89	6.40	6.45	-
3471	Plating and polishing	231.09	229.25	252.97	255.04	-	5.72	5.76	6.34	6.36	-
3479	Metal coating and allied services	256.46	253.78	277.75	282.01	-	6.15	6.13	6.52	6.62	-
348	Ordinance and accessories, nec	295.60	299.22	321.85	322.32	-	7.14	7.21	7.85	7.90	-
3483	Ammunition, exc. for small arms, nec	262.80	268.94	281.30	282.10	-	6.57	6.69	7.05	7.16	-
349	Misc. fabricated metal products	278.11	276.98	298.45	303.35	-	6.85	6.89	7.48	7.49	-
3494	Valves and pipe fittings	296.74	295.08	324.36	327.16	-	7.22	7.25	7.95	7.96	-
3496	Misc. fabricated wire products	244.21	239.77	257.94	264.26	-	6.09	6.07	6.58	6.59	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	322.04	320.21	352.10	356.79	355.37	7.76	7.81	8.63	8.66	8.71
351	Engines and turbines	380.03	380.55	415.54	416.96	-	9.43	9.49	10.52	10.45	-
3511	Turbines and turbine generator sets	341.94	349.66	404.42	404.58	-	8.57	8.57	9.84	9.82	-
3519	Internal combustion engines, nec	390.67	389.42	419.25	421.47	-	9.67	9.76	10.75	10.67	-
352	Farm and garden machinery	340.31	340.66	406.42	419.02	-	8.26	8.37	10.11	10.22	-
3523	Farm machinery and equipment	353.18	354.28	427.28	440.26	-	8.49	8.62	10.55	10.66	-
353	Construction and related machinery	342.76	343.07	383.87	388.64	-	8.36	8.45	9.34	9.32	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls  
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	40.7	40.4	39.6	40.7	40.7	3.8	3.5	3.4	3.7	-
321	Flat glass	41.6	41.5	39.6	41.0	-	4.4	3.6	3.3	3.6	-
322	Glass and glassware, pressed or blown	40.8	39.5	40.3	40.5	-	3.9	3.5	3.8	3.7	-
3221	Glass containers	41.2	38.7	41.2	41.3	-	4.3	3.6	4.3	4.3	-
3229	Pressed and blown glass, nec	40.2	40.4	39.1	39.5	-	3.4	3.3	3.2	3.0	-
323	Products of purchased glass	40.2	38.6	39.3	39.9	-	2.5	1.8	3.0	3.1	-
324	Cement, hydraulic	43.1	42.2	41.4	41.9	-	4.9	4.0	3.1	3.1	-
325	Structural clay products	40.3	40.0	39.5	40.0	-	3.3	2.9	2.8	2.7	-
326	Pottary and related products	39.3	38.8	39.1	39.7	-	2.5	2.3	2.2	2.0	-
327	Concrete, gypsum, and plaster products	40.3	41.2	38.1	40.8	-	4.5	4.5	3.8	4.7	-
3271	Concrete block and brick	40.0	41.8	40.0	42.7	-	4.5	4.4	3.8	4.6	-
3272	Concrete products, nec	40.7	40.9	38.9	41.0	-	4.0	3.9	3.6	4.1	-
3273	Ready-mixed concrete	39.0	40.8	35.4	39.4	-	4.4	4.8	3.4	4.6	-
329	Misc. nonmetallic mineral products	41.6	40.8	40.9	41.3	-	3.7	3.2	3.4	3.5	-
3291	Abrasive products	41.1	39.9	40.9	41.2	-	3.6	3.1	2.9	3.0	-
3292	Asbestos products	42.3	41.1	40.6	41.3	-	3.2	2.6	2.9	3.2	-
33	<b>PRIMARY METAL INDUSTRIES</b>	40.7	40.6	40.7	41.1	40.9	3.3	3.0	3.2	3.1	-
331	Blast furnace and basic steel products	40.1	40.3	40.5	41.0	-	2.7	2.4	3.0	2.9	-
3312	Blast furnaces and steel mills	40.0	40.4	40.4	40.9	-	2.6	2.4	2.9	2.7	-
3317	Steel pipe and tubes	40.1	39.1	40.8	40.9	-	2.6	2.1	3.4	3.9	-
332	Iron and steel foundries	40.7	39.8	40.0	40.5	-	3.3	3.0	2.9	3.0	-
3321	Gray iron foundries	40.0	39.0	39.8	40.3	-	3.0	2.7	2.8	2.8	-
3322	Malleable iron foundries	39.1	38.8	38.7	40.1	-	2.6	2.5	2.6	3.0	-
3325	Steel foundries, nec	42.3	41.6	41.0	41.3	-	4.1	3.7	3.2	3.4	-
333	Primary nonferrous metals	41.9	42.1	41.6	41.8	-	3.9	3.8	3.5	3.4	-
3334	Primary aluminum	41.7	41.6	41.3	42.2	-	3.9	3.9	3.5	3.7	-
335	Nonferrous rolling and drawing	42.1	41.9	42.0	42.1	-	4.6	4.2	4.3	4.2	-
3351	Copper rolling and drawing	41.4	41.0	43.3	42.2	-	4.2	3.7	5.4	4.8	-
3353	Aluminum sheet, plate and foil	42.6	42.4	42.9	43.1	-	6.0	6.2	5.7	6.1	-
3357	Nonferrous wire drawing and insulating	42.2	41.8	41.5	41.6	-	4.5	3.9	4.0	3.8	-
336	Nonferrous foundries	40.3	39.8	39.5	40.5	-	2.9	2.5	2.4	2.6	-
3361	Aluminum foundries	40.5	40.0	39.8	40.9	-	3.2	2.7	2.6	2.8	-
34	<b>FABRICATED METAL PRODUCTS</b>	40.6	40.2	40.0	40.5	40.2	3.1	2.7	2.7	2.8	-
341	Metal cans and shipping containers	43.8	43.8	43.1	42.9	-	4.9	4.6	4.7	4.4	-
3411	Metal cans	43.9	44.1	43.0	42.8	-	4.8	4.4	4.4	4.1	-
342	Cutlery, hand tools, and hardware	39.7	39.4	38.9	39.7	-	2.4	2.0	2.0	2.3	-
3423, 5	Hand and edge tools, and hand saws and blades	40.3	39.8	39.5	40.2	-	2.7	2.3	2.3	2.4	-
3429	Hardware, nec	39.2	38.9	38.5	39.4	-	2.1	1.6	1.9	2.2	-
343	Plumbing and heating, except electric	40.3	39.1	38.4	39.2	-	3.1	2.2	1.9	1.8	-
3432	Plumbing fittings and brass goods	41.2	40.7	39.6	40.0	-	3.6	2.7	2.3	2.3	-
3433	Heating equipment, except electric	38.9	38.1	37.6	37.8	-	2.3	1.8	1.6	1.0	-
344	Fabricated structural metal products	39.8	39.7	39.6	40.1	-	2.6	2.3	2.5	2.5	-
3441	Fabricated structural metal	40.6	40.7	40.8	40.8	-	3.4	3.1	3.1	2.7	-
3442	Metal doors, sash, and trim	38.4	37.8	38.2	38.5	-	1.8	1.5	1.6	1.8	-
3443	Fabricated plate work (boiler shops)	41.2	41.1	40.8	41.1	-	2.9	2.6	2.8	2.9	-
3444	Sheet metal work	39.0	38.9	38.6	39.6	-	2.5	2.2	2.2	2.6	-
3446	Architectural metal work	38.9	38.9	39.8	40.0	-	1.9	2.0	2.3	2.0	-
345	Screw machine products, bolts, etc.	42.3	41.0	40.4	40.8	-	4.1	3.6	3.1	3.0	-
3451	Screw machine products	41.5	40.8	39.0	40.0	-	4.4	3.9	2.6	2.8	-
3452	Bolts, nuts, rivets, and washers	43.0	41.2	41.8	41.7	-	3.8	3.4	3.6	3.1	-
346	Metal forgings and stampings	40.6	39.9	40.1	41.2	-	3.4	2.9	3.1	3.5	-
3462	Iron and steel forgings	40.1	40.1	39.9	40.6	-	3.7	3.6	3.4	3.3	-
3465	Automotive stampings	40.6	39.4	40.4	42.5	-	3.1	2.3	3.7	4.7	-
3469	Metal stampings, nec	40.6	40.0	39.8	40.5	-	3.3	2.8	2.5	2.6	-
347	Metal services, nec	40.8	40.3	40.8	40.9	-	3.8	3.4	2.5	2.6	-
3471	Plating and polishing	40.4	39.8	39.9	40.1	-	3.5	3.1	3.0	3.0	-
3479	Metal coating and allied services	41.7	41.4	42.6	42.6	-	4.5	3.9	1.5	1.8	-
348	Ordinance and accessories, nec	41.4	41.5	41.0	40.8	-	2.7	2.4	3.0	2.7	-
3483	Ammunition, exc. for small arms, nec	40.0	40.2	39.9	39.4	-	1.5	1.5	2.1	1.8	-
349	Misc. fabricated metal products	40.6	40.2	39.9	40.5	-	2.9	2.5	2.6	2.6	-
3494	Valves and pipe fittings	41.1	40.7	40.8	41.1	-	3.4	2.9	3.1	2.9	-
3496	Misc. fabricated wire products	40.1	39.5	39.2	40.1	-	2.4	2.1	2.5	2.6	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	41.5	41.0	40.8	41.2	40.8	3.8	3.4	3.3	3.3	-
351	Engines and turbines	40.3	40.1	39.5	39.9	-	2.8	2.7	2.8	2.6	-
3511	Turbines and turbine generator sets	39.9	40.8	41.1	41.2	-	3.7	3.8	3.2	3.6	-
3519	Internal combustion engines, nec	40.4	39.9	39.0	39.5	-	2.6	2.4	2.7	2.3	-
352	Farm and garden machinery	41.2	40.7	40.2	41.0	-	3.8	3.0	3.1	2.8	-
3523	Farm machinery and equipment	41.6	41.1	40.5	41.3	-	4.0	3.3	3.3	3.2	-
353	Construction and related machinery	41.0	40.6	41.1	41.7	-	3.3	3.0	3.2	3.3	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3531	Construction machinery	\$ 371.87	\$367.38	\$412.78	\$420.97	-	\$9.32	\$9.42	\$10.53	\$10.42	-
3532	Mining machinery	357.81	351.50	380.64	392.28	-	8.36	8.29	9.15	9.34	-
3533	Oil field machinery	332.21	343.87	398.16	399.42	-	7.78	7.96	8.77	8.74	-
3535	Conveyers and conveying equipment	301.67	304.78	310.57	310.90	-	7.34	7.47	8.13	8.16	-
3537	Industrial trucks and tractors	297.35	297.92	311.81	312.86	-	7.49	7.60	8.12	8.19	-
354	Metalworking machinery	345.53	340.80	364.04	369.64	-	7.98	8.00	8.73	8.78	-
3541	Machine tools, metal cutting types	364.52	360.86	382.30	385.37	-	8.21	8.22	8.87	8.90	-
3542	Machine tools, metal forming types	361.44	344.87	355.69	359.70	-	8.29	8.31	8.87	8.97	-
3544	Special dies, tools, jigs, and fixtures	373.20	368.94	395.93	403.26	-	8.54	8.56	9.36	9.40	-
3545	Machine tool accessories	310.98	308.59	324.72	333.98	-	7.30	7.33	7.92	7.99	-
3546	Power driven hand tools	251.07	246.41	271.05	270.78	-	6.23	6.27	6.95	7.07	-
355	Special industry machinery	304.41	302.32	327.54	330.79	-	7.30	7.32	7.95	7.99	-
3551	Food products machinery	316.83	314.24	341.82	341.38	-	7.69	7.74	8.44	8.45	-
3552	Textile machinery	248.63	241.80	258.32	261.53	-	6.02	6.00	6.41	6.41	-
3555	Printing trades machinery	323.36	318.42	350.96	357.73	-	7.52	7.51	8.20	8.30	-
356	General industrial machinery	319.66	318.61	343.92	349.79	-	7.74	7.79	8.45	8.49	-
3561	Pumps and pumping equipment	318.06	312.73	344.06	350.06	-	7.72	7.76	8.58	8.58	-
3562	Ball and roller bearings	332.59	328.34	354.48	360.38	-	7.90	7.95	8.40	8.56	-
3563	Air and gas compressors	338.13	343.48	370.86	374.36	-	8.07	8.12	8.83	8.85	-
3564	Blowers and fans	289.64	288.56	304.55	315.46	-	7.03	7.09	7.71	7.77	-
3566	Speed changers, drives, and gears	363.32	366.72	392.18	394.80	-	8.63	8.69	9.36	9.40	-
3568	Power transmission equipment, nec	301.73	298.22	335.76	331.29	-	7.45	7.40	8.27	8.18	-
357	Office and computing machines	274.07	267.15	295.39	296.12	-	6.51	6.58	7.24	7.24	-
3573	Electronic computing equipment	278.38	271.26	292.54	293.25	-	6.55	6.60	7.17	7.17	-
358	Refrigeration and service machinery	280.50	278.48	313.18	316.37	-	7.03	7.05	7.81	7.87	-
3585	Refrigeration and heating equipment	286.08	285.05	322.80	323.21	-	7.17	7.18	8.01	8.06	-
359	Misc. machinery, except electrical	312.71	313.18	336.13	344.01	-	7.59	7.62	8.32	8.37	-
3592	Carburetors, pistons, rings, valves	346.28	356.53	394.42	397.36	-	8.55	8.76	9.91	9.86	-
3599	Machinery, except electrical, nec	307.19	306.12	326.03	334.54	-	7.42	7.43	8.05	8.12	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>	271.20	268.88	295.02	301.10	\$300.45	6.78	6.79	7.45	7.49	\$7.53
361	Electric distributing equipment	271.48	272.52	292.70	295.26	-	6.77	6.83	7.41	7.40	-
3612	Transformers	266.38	266.67	288.55	298.98	-	6.61	6.65	7.25	7.31	-
3613	Switchgear and switchboard apparatus	275.71	276.71	295.93	292.47	-	6.91	6.97	7.53	7.48	-
362	Electrical industrial apparatus	280.42	278.18	311.25	315.24	-	6.89	6.92	7.61	7.67	-
3621	Motors and generators	280.98	277.26	312.94	319.61	-	6.87	6.88	7.67	7.72	-
3622	Industrial controls	276.29	276.61	296.40	299.09	-	6.89	6.95	7.41	7.44	-
363	Household appliances	266.66	261.29	292.55	301.72	-	6.82	6.84	7.54	7.60	-
3632	Household refrigerators and freezers	277.13	281.20	336.48	352.97	-	7.49	7.60	8.54	8.63	-
3633	Household laundry equipment	319.60	314.50	344.27	343.49	-	8.01	8.19	8.85	8.83	-
3634	Electric housewares and fans	217.06	211.07	231.33	238.58	-	5.58	5.54	6.04	6.04	-
364	Electric lighting and wiring equipment	249.55	247.27	271.66	278.88	-	6.27	6.26	6.86	6.92	-
3641	Electric lamps	276.58	278.70	304.17	306.43	-	6.88	6.95	7.72	7.68	-
3643	Current-carrying wiring devices	240.38	239.79	261.30	271.26	-	5.95	5.95	6.50	6.60	-
3644	Noncurrent-carrying wiring devices	256.31	253.62	288.35	293.53	-	6.44	6.47	7.05	7.09	-
3645	Residential lighting fixtures	177.97	184.73	209.72	213.10	-	4.81	4.90	5.49	5.45	-
365	Radio and TV receiving equipment	243.90	238.39	255.35	277.29	-	6.27	6.29	6.92	7.11	-
3651	Radio and TV receiving sets	253.49	248.52	266.35	285.25	-	6.55	6.54	7.16	7.39	-
366	Communication equipment	319.80	315.12	342.63	345.91	-	7.80	7.80	8.46	8.52	-
3661	Telephone and telegraph apparatus	331.25	322.80	357.82	356.06	-	8.04	8.01	8.77	8.77	-
3662	Radio and TV communication equipment	311.25	307.85	331.67	338.60	-	7.61	7.62	8.23	8.34	-
367	Electronic components and accessories	234.02	236.61	254.52	257.26	-	5.88	5.93	6.46	6.48	-
3671-3	Electronic tubes	310.73	323.64	327.95	331.27	-	7.26	7.44	7.96	8.06	-
3674	Semiconductors and related devices	271.06	269.73	295.73	293.86	-	6.66	6.66	7.32	7.31	-
3679	Electronic components, nec	218.28	220.25	235.38	239.18	-	5.54	5.59	6.02	6.04	-
369	Misc. electrical equipment and supplies	303.38	302.24	331.96	342.10	-	7.70	7.73	8.49	8.51	-
3691	Storage batteries	285.34	285.38	322.37	321.40	-	7.45	7.61	8.33	8.22	-
3694	Engine electrical equipment	337.26	335.62	362.70	380.33	-	8.67	8.65	9.47	9.58	-
37	<b>TRANSPORTATION EQUIPMENT</b>	365.22	359.79	398.59	414.70	416.75	9.04	9.04	9.94	10.09	10.14
371	Motor vehicles and equipment	378.58	366.70	419.36	444.29	-	9.56	9.50	10.59	10.81	-
3711	Motor vehicles and car bodies	401.95	393.78	461.38	490.69	-	10.28	10.39	11.77	11.91	-
3713	Truck and bus bodies	305.36	298.24	331.63	337.05	-	7.87	7.89	8.46	8.49	-
3714	Motor vehicle parts and accessories	374.79	362.48	408.83	429.73	-	9.30	9.20	10.17	10.38	-
3715,6	Truck trailers and motor homes	250.14	258.02	259.56	273.26	-	6.60	6.79	7.21	7.21	-
372	Aircraft and parts **	375.16	372.67	412.93	416.17	-	8.89	8.98	9.95	9.98	-
3721	Aircraft	383.64	383.64	430.76	434.30	-	9.20	9.38	10.43	10.44	-
3724	Aircraft engines and engine parts	386.62	376.74	409.63	412.49	-	9.14	9.10	10.04	10.11	-
3728	Aircraft equipment, nec	346.09	346.25	378.75	383.56	-	8.03	8.09	8.87	8.92	-
373	Ship and boat building and repairing	322.36	326.03	345.14	363.85	-	7.94	8.05	8.65	8.81	-
3731	Shipbuilding and repairing	339.44	342.31	359.68	-	-	8.34	8.39	9.06	-	-
3732	Boat building and repairing	263.90	264.77	291.51	294.58	-	6.50	6.72	7.18	7.22	-
374	Railroad equipment	376.89	378.46	400.82	410.34	-	9.59	9.63	10.66	10.77	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls  
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3531	Construction machinery	39.9	39.0	39.2	40.4	-	2.2	1.8	1.8	1.8	-
3532	Mining machinery	42.8	42.4	41.6	42.0	-	4.3	3.5	2.8	2.7	-
3533	Oil field machinery	42.7	43.2	45.4	45.7	-	5.2	5.3	5.7	6.2	-
3535	Conveyers and conveying equipment	41.1	40.8	38.2	38.1	-	3.0	2.6	2.4	2.5	-
3537	Industrial trucks and tractors	39.7	39.2	38.4	38.2	-	2.4	2.1	2.3	2.0	-
354	Metalworking machinery	43.3	42.6	41.7	42.1	-	5.4	4.8	4.4	4.4	-
3541	Machine tools, metal cutting types	44.4	43.9	43.1	43.3	-	6.5	6.0	5.0	5.0	-
3542	Machine tools, metal forming types	43.6	41.5	40.1	40.1	-	5.9	4.7	3.2	3.0	-
3544	Special dies, tools, jigs, and fixtures	43.7	43.1	42.3	42.9	-	5.9	5.3	5.3	5.3	-
3545	Machine tool accessories	42.6	42.1	41.0	41.8	-	5.0	4.6	3.7	3.7	-
3546	Power driven hand tools	40.3	39.3	39.0	38.3	-	2.9	2.1	1.9	1.5	-
355	Special industry machinery	41.7	41.3	41.2	41.4	-	3.8	3.5	3.0	3.1	-
3551	Food products machinery	41.2	40.6	40.5	40.4	-	2.9	2.7	2.4	2.3	-
3552	Textile machinery	41.3	40.3	40.3	40.8	-	3.2	2.2	2.2	2.1	-
3555	Printing trades machinery	43.0	42.4	42.8	43.1	-	4.5	4.3	4.4	4.4	-
356	General industrial machinery	41.3	40.9	40.7	41.2	-	3.8	3.4	3.2	3.2	-
3561	Pumps and pumping equipment	41.2	40.3	40.1	40.8	-	3.4	2.8	2.7	2.9	-
3562	Ball and roller bearings	42.1	41.3	42.2	42.1	-	4.9	4.6	4.1	3.7	-
3563	Air and gas compressors	41.9	42.3	42.0	42.3	-	4.8	4.7	4.0	4.0	-
3564	Blowers and fans	41.2	40.7	39.5	40.6	-	3.7	3.2	2.9	3.1	-
3566	Speed changers, drives, and gears	42.1	42.2	41.9	42.0	-	4.4	4.2	3.8	3.5	-
3568	Power transmission equipment, nec	40.5	40.3	40.6	40.5	-	2.8	2.6	3.2	2.8	-
357	Office and computing machines	42.1	40.6	40.8	40.9	-	3.0	2.4	2.5	2.5	-
3573	Electronic computing equipment	42.5	41.1	40.8	40.9	-	3.0	2.5	2.7	2.6	-
358	Refrigeration and service machinery	39.9	39.5	40.1	40.2	-	2.1	1.8	2.5	2.4	-
3585	Refrigeration and heating equipment	39.9	39.7	40.3	40.1	-	2.1	2.0	2.4	2.2	-
359	Misc. machinery, except electrical	41.2	41.1	40.4	41.1	-	4.1	4.0	3.6	3.8	-
3592	Carburetors, pistons, rings, valves	40.5	40.7	39.8	40.3	-	2.4	2.5	2.6	2.4	-
3599	Machinery, except electrical, nec	41.4	41.2	40.5	41.2	-	4.4	4.2	3.8	4.0	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>	40.0	39.6	39.6	40.2	39.9	2.5	2.2	2.2	2.3	-
361	Electric distributing equipment	40.1	39.9	39.5	39.9	-	2.5	2.3	2.4	2.4	-
3612	Transformers	40.3	40.1	39.8	40.9	-	2.9	2.7	2.2	2.6	-
3613	Switchgear and switchboard apparatus	39.9	39.7	39.3	39.1	-	2.2	2.1	2.6	2.3	-
362	Electrical industrial apparatus	40.7	40.2	40.9	41.1	-	2.8	2.4	2.9	2.9	-
3621	Motors and generators	40.9	40.3	40.8	41.4	-	2.9	2.4	2.8	3.0	-
3622	Industrial controls	40.1	39.8	40.0	40.2	-	2.5	2.3	2.6	2.4	-
363	Household appliances	39.1	38.2	38.8	39.7	-	2.1	1.7	1.8	1.9	-
3632	Household refrigerators and freezers	37.0	37.0	39.4	40.9	-	1.8	1.8	1.5	2.2	-
3633	Household laundry equipment	39.9	38.4	38.9	38.9	-	1.3	.7	1.3	.9	-
3634	Electric housewares and fans	38.9	38.1	38.3	39.5	-	1.8	1.3	1.4	1.4	-
364	Electric lighting and wiring equipment	39.8	39.5	39.6	40.3	-	2.5	2.1	2.5	2.5	-
3641	Electric lamps	40.2	40.1	39.4	39.9	-	2.5	2.2	1.7	1.8	-
3643	Current-carrying wiring devices	40.4	40.3	40.2	41.1	-	2.7	2.4	3.0	3.1	-
3644	Noncurrent-carrying wiring devices	39.8	39.2	40.9	41.4	-	2.4	1.7	2.7	2.8	-
3645	Residential lighting fixtures	37.0	37.7	38.2	39.1	-	1.3	1.1	1.8	1.6	-
365	Radio and TV receiving equipment	38.9	37.9	36.9	39.0	-	1.8	1.4	.9	1.5	-
3651	Radio and TV receiving sets	38.7	38.0	37.2	38.6	-	1.9	1.6	1.1	1.4	-
366	Communication equipment	41.0	40.4	40.5	40.6	-	2.8	2.2	2.4	2.2	-
3661	Telephone and telegraph apparatus	41.2	40.3	40.8	40.6	-	3.2	2.4	2.4	2.0	-
3662	Radio and TV communication equipment	40.9	40.4	40.3	40.6	-	2.5	2.0	2.3	2.3	-
367	Electronic components and accessories	39.8	39.9	39.4	39.7	-	2.8	2.6	2.2	2.3	-
3671-3	Electronic tubes	42.8	43.5	41.2	41.1	-	2.9	2.7	2.1	2.3	-
3674	Semiconductors and related devices	40.7	40.5	40.4	40.2	-	3.5	3.4	2.6	2.6	-
3679	Electronic components, nec	39.4	39.4	39.1	39.6	-	2.7	2.4	2.3	2.3	-
369	Misc. electrical equipment and supplies	39.4	39.1	39.1	40.2	-	1.7	1.3	2.0	2.1	-
3691	Storage batteries	38.3	37.5	38.7	39.1	-	1.1	.6	1.4	1.4	-
3694	Engine electrical equipment	38.9	38.8	38.3	39.7	-	1.4	1.1	1.8	2.1	-
37	<b>TRANSPORTATION EQUIPMENT</b>	40.4	39.8	40.1	41.1	41.1	3.1	2.9	3.0	3.2	-
371	Motor vehicles and equipment	39.6	38.6	39.6	41.1	-	2.6	2.1	2.5	2.8	-
3711	Motor vehicles and car bodies	39.1	37.9	39.2	41.2	-	2.5	2.1	2.5	2.5	-
3713	Truck and bus bodies	38.8	37.8	39.2	39.7	-	2.4	1.6	1.9	1.9	-
3714	Motor vehicle parts and accessories	40.3	39.4	40.2	41.4	-	2.9	2.2	2.7	3.2	-
3715,6	Truck trailers and motor homes	37.9	38.0	36.0	37.9	-	1.5	1.3	.7	.8	-
372	Aircraft and parts **	42.2	41.5	41.5	41.7	-	4.2	3.9	3.7	3.7	-
3721	Aircraft **	41.7	40.9	41.3	41.6	-	3.3	3.1	3.2	3.2	-
3724	Aircraft engines and engine parts	42.3	41.4	40.8	40.8	-	5.0	4.4	3.7	3.6	-
3728	Aircraft equipment, nec	43.1	42.8	42.7	43.0	-	5.2	4.9	4.6	4.7	-
373	Ship and boat building and repairing	40.6	40.5	39.9	41.3	-	3.3	3.4	3.6	4.2	-
3731	Ship building and repairing	40.7	40.8	39.7	-	-	3.4	3.5	3.7	-	-
3732	Boat building and repairing	40.6	39.4	40.6	40.8	-	3.1	3.1	3.5	3.7	-
374	Railroad equipment	39.3	39.3	37.6	38.1	-	3.2	3.2	1.8	2.1	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
	<b>TRANSPORTATION EQUIPMENT—Continued</b>										
376	Guided missiles, space vehicles, parts	\$369.98	\$365.49	\$400.32	\$398.69	-	\$8.98	\$8.98	\$9.86	\$9.82	-
3761	Guided missiles and space vehicles	370.46	368.83	406.62	403.21	-	9.08	9.04	10.04	10.03	-
379	Miscellaneous transportation equipment	255.08	267.29	259.56	278.30	-	6.66	7.09	6.94	7.01	-
3792	Travel trailers and campers	217.86	222.32	223.48	250.26	-	5.92	6.21	6.26	6.45	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	269.18	267.85	291.60	293.94	\$290.47	6.63	6.63	7.20	7.24	\$7.28
381	Engineering and scientific instruments	290.09	290.09	303.81	310.37	-	6.94	6.94	7.52	7.57	-
382	Measuring and controlling devices	279.86	275.93	288.36	293.25	-	6.76	6.73	7.12	7.17	-
3822	Environmental controls	250.71	249.05	264.66	269.47	-	6.16	6.18	6.60	6.72	-
3823	Process control instruments	285.52	285.98	297.91	304.56	-	6.64	6.62	7.11	7.20	-
3825	Instruments to measure electricity	309.32	298.98	299.15	304.78	-	7.40	7.31	7.46	7.47	-
383	Optical instruments and lenses	289.54	287.34	319.50	310.40	-	6.96	7.06	7.85	7.76	-
384	Medical instruments and supplies	223.74	222.05	245.78	247.56	-	5.65	5.65	6.16	6.22	-
3841	Surgical and medical instruments	216.95	217.49	243.95	245.01	-	5.37	6.37	5.95	6.02	-
3842	Surgical appliances and supplies	228.93	226.56	248.68	251.27	-	5.87	5.90	6.36	6.41	-
385	Ophthalmic goods	206.96	206.32	221.65	219.60	-	5.20	5.21	5.50	5.49	-
386	Photographic equipment and supplies	346.63	350.38	398.77	399.36	-	8.58	8.63	9.54	9.60	-
387	Watches, clocks, and watchcases	195.45	198.14	219.86	216.79	-	5.13	5.16	5.67	5.69	-
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>	207.19	206.21	223.10	227.18	225.59	5.34	5.37	5.81	5.84	5.89
391	Jewelry, silverware, and plated ware	213.76	215.84	233.00	236.88	-	5.67	5.71	6.23	6.25	-
3911	Jewelry, precious metal	209.24	210.92	234.21	235.88	-	5.64	5.67	6.33	6.29	-
393	Musical instruments	207.48	206.27	207.92	220.35	-	5.32	5.33	5.65	5.65	-
394	Toys and sporting goods	188.47	188.93	206.36	212.51	-	4.87	4.92	5.36	5.38	-
3942, 4	Dolls, games, toys, and children's vehicles	178.45	181.98	193.02	198.01	-	4.81	4.84	5.12	5.17	-
3949	Sporting and athletic goods, nec	196.31	194.22	182.12	224.78	-	4.92	4.98	5.55	5.55	-
395	Pens, pencils, office and art supplies	224.62	220.65	237.01	235.82	-	5.56	5.53	5.97	5.97	-
396	Costume jewelry and notions	175.86	170.75	191.88	198.12	-	4.64	4.64	5.01	5.08	-
3961	Costume jewelry	164.65	159.12	177.38	181.82	-	4.45	4.42	4.73	4.81	-
399	Miscellaneous manufactures	228.34	228.14	242.94	245.11	-	5.84	5.88	6.31	6.35	-
3993	Signs and advertising displays	243.32	246.52	257.56	259.78	-	6.32	6.37	6.76	6.73	-
	<b>NONDURABLE GOODS</b>										
20	<b>FOOD AND KINDRED PRODUCTS</b>	260.52	262.58	284.93	286.16	290.38	6.68	6.75	7.25	7.30	7.37
201	Meat products	258.53	261.67	281.44	282.55	-	6.75	6.85	7.31	7.32	-
2011	Meat packing plants	333.33	341.92	363.91	363.85	-	8.21	8.36	8.79	8.81	-
2013	Sausages and other prepared meats	297.58	299.90	327.25	329.02	-	7.79	7.81	8.50	8.48	-
2016	Poultry dressing plants	154.01	154.18	161.47	163.92	-	4.29	4.38	4.64	4.67	-
202	Dairy products	275.78	276.19	297.43	300.53	-	6.71	6.72	7.29	7.30	-
2022	Cheese, natural and processed	251.29	249.60	270.74	279.18	-	6.46	6.40	6.96	7.05	-
2026	Fluid milk	287.43	291.75	312.83	312.83	-	6.86	6.93	7.52	7.52	-
203	Preserved fruits and vegetables	217.93	216.02	245.86	243.08	-	5.69	5.73	6.24	6.38	-
2032	Canned specialties	223.76	227.94	279.57	268.87	-	6.43	6.55	7.15	7.02	-
2033	Canned fruits and vegetables	224.65	221.56	249.46	249.29	-	5.82	5.80	6.38	6.63	-
2037	Frozen fruits and vegetables	208.89	204.82	238.96	222.81	-	5.37	5.39	5.80	5.91	-
204	Grain mill products	315.86	315.42	334.22	330.68	-	7.38	7.51	7.92	7.93	-
2041	Flour and other grain mill products	327.49	322.15	356.00	352.19	-	7.46	7.58	8.00	7.95	-
2048	Prepared feeds, nec	255.73	258.26	276.41	272.12	-	6.06	6.12	6.55	6.51	-
205	Bakery products	267.96	267.72	292.61	292.99	-	6.96	6.99	7.62	7.61	-
2051	Bread, cake, and related products	267.52	268.22	286.88	286.13	-	7.04	7.04	7.65	7.63	-
2052	Cookies and crackers	269.20	265.39	306.47	311.82	-	6.73	6.84	7.53	7.55	-
206	Sugar and confectionery products	247.54	249.87	270.78	282.18	-	6.38	6.49	6.89	7.09	-
2061-3	Cane and beet sugar	326.78	327.41	337.88	353.60	-	8.19	8.31	7.95	8.50	-
2065	Confectionery products	210.05	213.76	230.11	244.20	-	5.47	5.64	6.12	6.31	-
207	Fats and oils	297.29	297.62	318.19	320.72	-	6.85	6.97	7.54	7.60	-
206	Beverages	320.36	322.77	334.90	340.56	-	7.91	7.95	8.50	8.60	-
2082	Malt beverages	460.71	465.65	457.41	476.51	-	10.64	10.68	11.35	11.51	-
2086	Bottled and canned soft drinks	231.08	235.22	250.91	250.26	-	5.88	5.97	6.45	6.45	-
209	Misc. foods and kindred products	207.19	213.30	241.54	241.42	-	5.82	5.86	6.39	6.37	-
21	<b>TOBACCO MANUFACTURES</b>	285.39	297.58	325.25	317.69	324.12	7.57	7.79	8.47	8.54	8.76
211	Cigarettes	332.38	341.25	400.75	377.25	-	8.77	8.91	10.12	10.06	-
22	<b>TEXTILE MILL PRODUCTS</b>	201.23	195.91	212.53	214.00	210.93	4.92	4.91	5.34	5.35	5.34
221	Weaving mills, cotton	215.22	210.53	215.91	218.50	-	5.10	5.11	5.48	5.49	-
222	Weaving mills, synthetics	214.76	204.02	231.01	232.40	-	5.15	5.05	5.58	5.60	-
223	Weaving and finishing mills, wool	204.11	203.31	225.09	232.55	-	5.09	5.07	5.45	5.55	-
224	Narrow fabric mills	183.42	180.18	197.47	199.67	-	4.54	4.55	4.90	4.93	-
225	Knitting mills	180.96	178.39	191.64	191.76	-	4.64	4.67	5.03	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				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
<b>TRANSPORTATION EQUIPMENT—Continued</b>											
376	Guided missiles, space vehicles, parts	41.2	40.7	40.6	40.6	-	4.1	3.5	3.3	3.1	-
3761	Guided missiles and space vehicles	40.8	40.8	40.5	40.2	-	3.4	3.0	2.8	2.6	-
379	Miscellaneous transportation equipment	38.3	37.7	37.4	39.7	-	1.0	1.6	1.6	1.7	-
3792	Travel trailers and campers	36.8	35.8	35.7	38.8	-	.7	1.4	1.4	1.8	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	40.6	40.4	40.5	40.6	39.9	2.5	2.2	2.3	2.3	-
381	Engineering and scientific instruments	41.8	41.8	40.4	41.0	-	3.2	2.7	3.0	3.1	-
382	Measuring and controlling devices	41.4	41.0	40.5	40.9	-	2.5	2.0	2.1	2.1	-
3822	Environmental controls	40.7	40.3	40.1	40.1	-	2.0	1.6	2.5	2.2	-
3823	Process control instruments	43.0	43.2	41.9	42.3	-	3.8	3.6	2.9	3.0	-
3825	Instruments to measure electricity	41.8	40.9	40.1	40.8	-	2.2	1.5	1.5	1.7	-
383	Optical instruments and lenses	41.6	40.7	40.7	40.0	-	3.6	2.7	3.2	2.9	-
384	Medical instruments and supplies	39.6	39.3	39.9	39.8	-	2.2	2.0	2.2	2.1	-
3841	Surgical and medical instruments	40.4	40.5	41.0	40.7	-	2.5	2.2	2.2	2.3	-
3842	Surgical appliances and supplies	39.0	38.4	39.1	39.2	-	2.2	2.0	2.4	2.2	-
385	Ophthalmic goods	39.8	39.6	40.3	40.0	-	2.1	2.0	1.5	1.5	-
386	Photographic equipment and supplies	40.4	40.6	41.8	41.6	-	2.7	2.6	2.9	2.9	-
387	Watches, clocks, and watchcases	38.1	38.4	38.6	38.1	-	1.4	1.2	1.0	.7	-
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>	38.8	38.4	38.4	38.9	38.3	2.1	1.7	1.9	1.9	-
391	Jewelry, silverware, and plated ware	37.7	37.8	37.4	37.9	-	2.1	2.2	1.8	1.9	-
3911	Jewelry, precious metal	37.1	37.2	37.0	37.5	-	2.3	2.4	2.1	2.2	-
393	Musical instruments	39.0	38.7	36.8	39.0	-	1.7	1.2	.9	1.0	-
394	Toys and sporting goods	38.7	38.4	38.5	39.5	-	1.6	1.4	1.6	1.8	-
3942, 4	Dolls, games, toys, and children's vehicles	37.1	37.6	37.7	38.3	-	1.2	1.2	1.2	1.2	-
3949	Sporting and athletic goods, nec	39.9	39.0	39.3	40.5	-	2.0	1.6	1.9	2.4	-
395	Pens, pencils, office and art supplies	40.4	39.9	39.7	39.5	-	2.9	2.1	2.3	2.5	-
396	Costume jewelry and notions	37.9	36.8	38.3	39.0	-	2.3	1.8	1.8	2.1	-
3961	Costume jewelry	37.0	36.0	37.5	37.8	-	1.7	1.2	1.6	1.7	-
399	Miscellaneous manufactures	39.1	38.8	38.5	38.6	-	2.2	1.9	2.1	1.8	-
3993	Signs and advertising displays	38.5	38.7	38.1	38.6	-	2.4	2.1	2.6	2.4	-
<b>NONDURABLE GOODS</b>											
20	<b>FOOD AND KINDRED PRODUCTS</b>	39.0	38.9	39.3	39.2	39.4	3.4	3.4	3.6	3.3	-
201	Meat products	38.3	38.2	38.5	38.6	-	3.3	3.5	3.5	3.2	-
2011	Meat packing plants	40.6	40.9	41.4	41.3	-	4.5	4.9	4.9	4.3	-
2013	Sausages and other prepared meats	38.2	38.4	38.5	38.8	-	2.7	2.9	2.9	2.8	-
2016	Poultry dressing plants	35.9	35.2	34.8	35.1	-	2.3	2.2	2.1	2.0	-
202	Dairy products	41.1	41.1	40.8	41.0	-	3.8	3.8	3.7	3.7	-
2022	Cheese, natural and processed	38.9	39.0	38.9	39.6	-	3.2	3.1	3.2	3.4	-
2026	Fluid milk	41.9	42.1	41.6	41.6	-	4.1	4.2	4.2	4.0	-
203	Preserved fruits and vegetables	38.3	37.7	39.4	38.1	-	3.0	2.8	3.9	2.9	-
2032	Canned specialties	34.8	34.8	39.1	38.3	-	3.6	3.7	5.8	3.4	-
2033	Canned fruits and vegetables	38.6	38.2	39.1	37.6	-	2.9	2.9	3.1	2.5	-
2037	Frozen fruits and vegetables	38.9	38.0	41.2	37.7	-	3.8	3.2	5.4	3.0	-
204	Grain mill products	42.8	42.0	42.2	41.7	-	5.6	5.3	5.3	5.0	-
2041	Flour and other grain mill products	43.9	42.5	44.5	44.3	-	5.5	5.4	6.0	5.2	-
2048	Prepared feeds, nec	42.2	42.2	42.2	41.8	-	5.5	5.8	5.4	5.1	-
205	Bakery products	38.5	38.3	38.4	38.5	-	3.1	3.1	3.0	2.8	-
2051	Bread, cake, and related products	38.0	38.1	37.5	37.5	-	3.3	3.4	3.0	2.8	-
2052	Cookies and crackers	40.0	38.8	40.7	41.3	-	2.6	2.1	2.8	2.9	-
206	Sugar and confectionery products	38.8	38.5	39.3	39.8	-	1.9	1.9	2.7	2.7	-
2061-3	Cane and beet sugar	39.9	39.4	42.5	41.6	-	.8	.9	3.8	3.1	-
2066	Confectionery products	38.4	37.9	37.6	38.7	-	2.4	2.1	2.3	2.7	-
207	Fats and oils	43.4	42.7	42.2	42.2	-	5.4	4.9	4.9	4.5	-
208	Beverages	40.5	40.6	39.4	39.6	-	3.8	3.7	3.3	3.4	-
2082	Malt beverages	43.3	43.6	40.3	41.4	-	5.6	5.5	5.1	5.4	-
2086	Bottled and canned soft drinks	39.3	39.4	38.9	38.8	-	3.3	3.3	2.7	2.8	-
209	Misc. foods and kindred products	35.6	36.4	37.8	37.9	-	2.5	2.7	3.4	3.2	-
21	<b>TOBACCO MANUFACTURES</b>	37.7	38.2	38.4	37.2	37.0	1.2	1.9	2.5	1.0	-
211	Cigarettes	37.9	38.3	39.6	37.5	-	1.2	2.1	3.4	1.0	-
22	<b>TEXTILE MILL PRODUCTS</b>	40.9	39.9	39.8	40.0	39.5	3.8	3.3	3.0	3.1	-
221	Weaving mills, cotton	42.2	41.2	39.4	39.8	-	4.8	4.4	3.0	3.2	-
222	Weaving mills, synthetics	41.7	40.4	41.4	41.5	-	3.9	3.0	3.8	3.8	-
223	Weaving and finishing mills, wool	40.1	40.1	41.3	41.9	-	3.3	2.8	3.3	3.8	-
224	Narrow fabric mills	40.4	39.6	40.3	40.5	-	3.2	2.6	2.7	2.9	-
225	Knitting mills	39.0	38.2	38.1	38.2	-	3.0	2.5	2.2	2.3	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
	<b>TEXTILE MILL PRODUCTS—Continued</b>										
2251	Women's hosiery, except socks	\$164.69	\$161.04	\$169.93	\$176.60	-	\$4.38	\$4.40	\$4.76	\$4.76	-
2252	Hosiery, nec	162.63	155.01	180.40	182.02	-	4.36	4.33	4.76	4.74	-
2253	Knit outerwear mills	175.10	173.71	187.11	184.64	-	4.56	4.62	4.95	4.95	-
2254	Knit underwear mills	169.50	167.26	176.05	175.93	-	4.52	4.57	4.81	4.82	-
2257	Circular knit fabric mills	218.01	212.85	220.25	218.90	-	5.07	5.08	5.52	5.50	-
226	Textile finishing, except wool	219.03	214.95	234.43	237.99	-	5.24	5.23	5.69	5.68	-
2261	Finishing plants, cotton	224.39	219.63	234.84	242.44	-	5.33	5.37	5.77	5.80	-
2262	Finishing plants, synthetics	225.60	221.24	250.06	247.78	-	5.41	5.37	5.87	5.83	-
227	Floor covering mills	201.80	193.33	218.35	214.89	-	5.02	4.97	5.50	5.51	-
228	Yarn and thread mills	190.81	185.78	199.90	201.30	-	4.62	4.61	5.01	5.02	-
2281	Yarn mills, except wool	194.46	188.03	200.30	202.21	-	4.63	4.62	5.02	5.03	-
2282	Throwing and winding mills	173.16	173.66	190.30	188.07	-	4.44	4.43	4.83	4.81	-
229	Miscellaneous textile goods	221.90	215.06	246.62	248.47	-	5.36	5.31	5.90	5.93	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	158.95	157.44	171.91	176.85	\$173.95	4.49	4.46	4.87	4.94	\$4.97
231	Men's and boys' suits and coats	185.42	190.28	199.72	206.91	-	5.39	5.36	5.61	5.70	-
232	Men's and boys' furnishings	151.32	151.32	160.82	163.61	-	4.18	4.18	4.53	4.57	-
2321	Men's and boys' shirts and nightwear	144.18	145.71	157.44	159.04	-	4.05	4.07	4.41	4.43	-
2327	Men's and boys' separate trousers	150.50	150.58	164.03	165.20	-	4.30	4.29	4.66	4.72	-
2328	Men's and boys' work clothing	152.93	152.97	157.00	159.13	-	4.10	4.09	4.41	4.47	-
233	Women's and misses' outerwear	152.89	151.20	163.11	167.24	-	4.51	4.50	4.84	4.89	-
2331	Women's and misses' blouses and waists	145.43	146.54	154.13	155.72	-	4.24	4.26	4.56	4.58	-
2335	Women's and misses' dresses	150.88	147.02	158.36	166.49	-	4.60	4.58	4.98	5.03	-
2337	Women's and misses' suits and coats	162.43	162.96	178.19	179.75	-	4.82	4.85	5.18	5.21	-
2339	Women's and misses' outerwear, nec	153.65	154.00	165.56	168.03	-	4.39	4.40	4.69	4.76	-
234	Women's and children's undergarments	147.60	146.32	159.92	162.43	-	4.10	4.11	4.43	4.45	-
2341	Women's and children's underwear	147.02	145.40	158.56	161.04	-	4.05	4.05	4.38	4.40	-
2342	Brassieres and allied garments	149.39	149.02	165.43	167.90	-	4.33	4.37	4.66	4.69	-
236	Children's outerwear	145.44	145.38	161.81	160.03	-	4.12	4.13	4.47	4.47	-
2361	Children's dresses and blouses	140.48	139.54	159.28	155.76	-	4.06	4.08	4.40	4.40	-
236	Misc. apparel and accessories	157.35	157.44	172.43	178.08	-	4.42	4.41	4.75	4.80	-
239	Misc. fabricated textile products	187.37	178.93	210.56	223.49	-	4.97	4.81	5.60	5.76	-
2391	Curtains and draperies	146.15	142.56	154.37	155.73	-	3.95	3.96	4.30	4.29	-
2392	House furnishing, nec	169.45	161.18	181.92	183.74	-	4.39	4.38	4.80	4.76	-
2396	Automotive and apparel trimmings	293.04	270.11	347.81	395.68	-	7.92	7.32	8.85	9.31	-
28	<b>PAPER AND ALLIED PRODUCTS</b>	320.12	321.99	350.24	351.50	354.89	7.55	7.63	8.28	8.29	8.37
281, 2.8	Paper and pulp mills	392.45	402.70	427.65	429.05	-	8.76	8.87	9.61	9.62	-
282	Paper mills, except building paper	392.37	404.80	431.10	431.55	-	8.70	8.80	9.58	9.59	-
283	Paperboard mills	388.49	395.45	429.13	429.02	-	8.89	9.07	9.82	9.84	-
284	Misc. converted paper products	274.03	269.74	298.74	302.41	-	6.70	6.71	7.34	7.34	-
2841	Paper coating and glazing	312.91	302.17	344.84	346.88	-	7.38	7.37	8.23	8.22	-
2842	Envelopes	243.79	244.73	269.74	272.57	-	6.11	6.18	6.71	6.73	-
2843	Bags, except textile bags	257.18	256.24	284.41	285.38	-	6.35	6.39	6.92	6.91	-
285	Paperboard containers and boxes	277.12	274.32	300.03	301.26	-	6.71	6.74	7.30	7.33	-
2851	Folding paperboard boxes	279.75	280.84	306.03	316.83	-	6.79	6.80	7.41	7.49	-
2853	Corrugated and solid fiber boxes	290.79	286.59	315.33	313.12	-	6.94	6.99	7.58	7.60	-
2854	Sanitary food containers	260.07	261.20	287.73	289.12	-	6.39	6.53	6.90	6.95	-
27	<b>PRINTING AND PUBLISHING</b>	273.05	270.11	292.93	296.74	295.14	7.34	7.34	7.96	8.02	8.02
271	Newspapers	251.42	254.17	269.92	269.28	-	7.55	7.61	8.13	8.16	-
272	Periodicals	244.61	244.63	285.70	286.89	-	6.91	6.93	7.68	7.63	-
273	Books	249.06	245.80	269.89	272.42	-	6.52	6.52	7.14	7.15	-
2731	Book publishing	236.63	235.25	259.98	265.41	-	6.26	6.29	6.97	7.04	-
2732	Book printing	261.71	257.18	280.36	279.90	-	6.78	6.75	7.32	7.27	-
274	Miscellaneous publishing	222.99	224.64	229.16	234.27	-	6.16	6.24	6.78	6.85	-
275	Commercial printing	294.90	287.28	315.40	322.25	-	7.64	7.60	8.30	8.37	-
2751	Commercial printing, letterpress	268.84	266.70	291.40	297.14	-	7.15	7.15	7.75	7.84	-
2752	Commercial printing, lithographic	306.94	296.42	326.52	335.14	-	7.85	7.78	8.57	8.66	-
276	Manifold business forms	298.07	294.44	310.42	311.63	-	7.27	7.27	7.78	7.83	-
278	Blankbooks and bookbinding	220.92	221.70	235.01	240.09	-	5.65	5.67	6.12	6.22	-
279	Printing trade services	354.55	351.56	383.17	378.70	-	9.48	9.40	10.11	10.18	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	335.69	337.79	364.79	365.62	368.46	8.05	8.12	8.79	8.81	8.90
281	Industrial inorganic chemicals	363.13	362.15	401.02	402.27	-	8.75	8.79	9.64	9.67	-
2819	Industrial inorganic chemicals, nec	367.28	366.68	397.55	401.14	-	8.85	8.90	9.72	9.76	-
282	Plastics materials and synthetics	336.84	339.42	363.96	363.96	-	8.02	8.12	8.77	8.77	-
2821	Plastics materials and resins	371.49	367.98	410.92	411.35	-	8.70	8.72	9.49	9.50	-
2824	Organic fibers, noncellulosic	312.16	319.49	329.64	328.04	-	7.54	7.68	8.20	8.14	-
283	Drugs	306.68	307.91	327.62	328.86	-	7.48	7.51	8.03	8.14	-
2834	Pharmaceutical preparations	290.39	290.56	310.37	311.98	-	7.17	7.21	7.74	7.78	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls  
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
	<b>TEXTILE MILL PRODUCTS—Continued</b>										
2251	Women's hosiery, except socks	37.6	36.6	35.7	37.1	-	2.1	1.9	1.1	1.8	-
2252	Hosiery, nec	37.3	35.8	37.9	38.4	-	1.9	1.3	1.8	2.0	-
2253	Knit outerwear mills	38.4	37.6	37.8	37.3	-	2.7	2.3	2.3	2.1	-
2254	Knit underwear mills	37.5	36.6	36.6	36.5	-	1.7	1.7	1.1	1.1	-
2257	Circular knit fabric mills	43.0	41.9	39.9	39.8	-	5.5	4.5	3.0	2.8	-
226	Textile finishing, except wool	41.8	41.1	41.2	41.9	-	4.1	3.6	3.6	3.9	-
2261	Finishing plants, cotton	42.1	40.9	40.7	41.8	-	4.0	3.7	3.4	4.0	-
2262	Finishing plants, synthetics	41.7	41.2	42.6	42.5	-	3.8	3.6	4.3	4.2	-
227	Floor covering mills	40.2	38.9	39.7	39.0	-	3.7	3.3	2.9	3.0	-
228	Yarn and thread mills	41.3	40.3	39.9	40.1	-	4.2	3.8	3.3	3.3	-
2281	Yarn mills, except wool	42.0	40.7	39.9	40.2	-	4.5	4.0	3.3	3.3	-
2282	Throwing and winding mills	39.0	39.2	39.4	39.1	-	3.4	3.4	3.3	3.0	-
229	Miscellaneous textile goods	41.4	40.5	41.8	41.9	-	3.4	2.8	3.8	3.8	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	35.4	35.3	35.3	35.8	35.0	1.1	.9	1.0	1.1	-
231	Men's and boys' suits and coats	34.4	35.5	35.6	36.3	-	.7	.6	.6	.7	-
232	Men's and boys' furnishings	36.2	36.2	35.5	35.8	-	1.2	1.0	.8	.8	-
2321	Men's and boys' shirts and nighwear	35.6	35.8	35.7	35.9	-	1.2	1.0	.9	.9	-
2327	Men's and boys' separate trousers	35.0	35.1	35.2	35.0	-	1.0	.8	.8	.8	-
2328	Men's and boys' work clothing	37.3	37.4	35.6	35.6	-	1.4	1.3	.7	.6	-
233	Women's and misses' outerwear	33.9	33.6	33.7	34.2	-	1.0	.8	1.0	1.0	-
2331	Women's and misses' blouses and waists	34.3	34.4	33.8	34.0	-	1.0	.9	.9	.9	-
2335	Women's and misses' dresses	32.8	32.1	31.8	33.1	-	.9	.6	.8	1.0	-
2337	Women's and misses' suits and coats	33.7	33.6	34.4	34.5	-	.8	.7	.8	.8	-
2339	Women's and misses' outerwear, nec	35.0	35.0	35.3	35.3	-	1.3	1.1	1.2	1.2	-
234	Women's and children's undergarments	36.0	35.6	36.1	36.5	-	1.0	.8	1.2	1.2	-
2341	Women's and children's underwear	36.3	35.9	36.2	36.6	-	1.0	.7	1.2	1.3	-
2342	Brasieres and allied garments	34.5	34.1	35.5	35.8	-	1.2	1.0	1.0	1.0	-
236	Children's outerwear	35.3	35.2	36.2	35.8	-	1.3	1.0	1.2	1.2	-
2361	Children's dresses and blouses	34.6	34.2	36.2	35.4	-	1.1	.7	1.1	1.1	-
238	Misc. apparel and accessories	35.6	35.7	36.3	37.1	-	1.1	1.1	1.0	1.3	-
239	Misc. fabricated textile products	37.7	37.2	37.6	38.8	-	1.4	1.3	1.4	1.7	-
2391	Curtains and draperies	37.0	36.0	35.9	36.3	-	.9	.6	.2	.4	-
2392	House furnishings, nec	38.6	36.8	37.9	38.6	-	1.7	1.5	1.6	1.7	-
2396	Automotive and apparel trimmings	37.0	36.9	39.3	42.5	-	1.4	1.1	1.1	2.9	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	42.4	42.2	42.3	42.4	42.4	4.2	4.1	4.4	4.3	-
261, 2, 6	Paper and pulp mills	44.8	45.4	44.5	44.6	-	6.5	6.8	6.4	6.4	-
262	Paper mills, except building paper	45.1	46.0	45.0	45.0	-	6.5	7.0	6.6	6.6	-
263	Paperboard mills	43.7	43.6	43.7	43.6	-	6.6	7.0	6.8	6.8	-
264	Misc. converted paper products	40.9	40.2	40.7	41.2	-	3.1	2.8	2.9	2.9	-
2641	Paper coating and glazing	42.4	41.0	41.9	42.2	-	3.6	3.2	2.9	3.1	-
2642	Envelopes	39.9	39.6	40.2	40.5	-	2.8	2.6	2.3	2.1	-
2643	Bags, except textile bags	40.5	40.1	41.1	41.3	-	2.8	2.5	3.2	2.9	-
265	Paperboard containers and boxes	41.3	40.7	41.1	41.1	-	2.2	2.1	3.2	3.0	-
2651	Folding paperboard boxes	41.2	41.3	41.3	42.3	-	3.3	3.2	3.4	3.9	-
2653	Corrugated and solid fiber boxes	41.9	41.0	41.6	41.2	-	1.4	1.2	3.2	2.9	-
2654	Sanitary food containers	40.7	40.0	41.7	41.6	-	2.9	3.1	3.2	3.1	-
27	<b>PRINTING AND PUBLISHING</b>	37.2	36.8	36.8	37.0	36.8	2.7	2.3	2.2	2.3	-
271	Newspapers	33.3	33.4	33.2	33.0	-	1.7	1.8	1.3	1.2	-
272	Periodicals	35.4	35.3	37.2	37.6	-	2.0	2.1	2.1	2.3	-
273	Books	38.2	37.7	37.8	38.1	-	2.9	2.5	2.1	2.4	-
2731	Book publishing	37.8	37.4	37.3	37.7	-	1.8	1.6	1.4	2.0	-
2732	Book printing	38.6	38.1	38.3	38.5	-	4.1	3.4	2.8	2.8	-
274	Miscellaneous publishing	36.2	36.0	33.8	34.2	-	1.7	1.4	1.1	1.3	-
275	Commercial printing	38.6	37.8	38.0	38.5	-	3.2	2.7	2.6	2.9	-
2751	Commercial printing, letterpress	37.6	37.3	37.6	37.9	-	2.5	2.2	2.0	2.3	-
2752	Commercial printing, lithographic	39.1	38.1	38.1	38.7	-	3.7	2.9	2.9	3.2	-
276	Manifold business forms	41.0	40.5	39.9	39.8	-	3.5	3.1	2.6	2.2	-
278	Blankbooks and bookbinding	39.1	39.1	38.4	38.6	-	2.3	2.0	1.7	1.7	-
279	Printing trade service	37.4	37.4	37.9	37.2	-	3.0	3.0	3.8	3.1	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	41.7	41.6	41.5	41.5	41.4	3.4	3.3	3.3	3.3	-
281	Industrial inorganic chemicals	41.5	41.2	41.6	41.6	-	3.2	3.2	3.5	3.2	-
2819	Industrial inorganic chemicals, nec	41.5	41.2	40.9	41.1	-	3.0	3.1	3.0	3.0	-
282	Plastics materials and synthetics	42.0	41.8	41.5	41.5	-	3.2	3.0	3.0	3.1	-
2821	Plastics materials and resins	42.7	42.2	43.3	43.3	-	4.4	4.0	4.6	4.5	-
2824	Organic fibers, noncellulosic	41.4	41.6	40.2	40.3	-	2.1	2.2	1.7	1.9	-
283	Drugs	41.0	41.0	40.8	40.4	-	3.1	3.1	3.1	2.9	-
2834	Pharmaceutical preparations	40.5	40.3	40.1	40.1	-	3.1	3.1	3.0	2.9	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
284	Soap, cleaners, and toilet goods	\$296.61	\$296.74	\$321.60	\$328.43	-	\$7.36	\$7.40	\$8.02	\$8.03	-
2841	Soap and other detergents	411.40	400.06	431.57	445.79	-	9.68	9.64	10.30	10.44	-
2844	Toilet preparations	225.62	231.87	258.99	264.87	-	5.80	5.87	6.59	6.54	-
2842, 3	Polishing, sanitation, and finishing preparations	275.71	275.10	296.35	301.78	-	6.91	7.00	7.56	7.64	-
285	Paints and allied products	292.90	290.47	314.40	328.03	-	7.25	7.28	7.86	8.04	-
286	Industrial organic chemicals	407.89	416.10	438.53	442.47	-	9.42	9.50	10.27	10.29	-
2865	Cyclic crudes and intermediates	370.60	374.03	399.92	387.99	-	8.72	8.78	9.66	9.58	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	421.61	430.95	451.26	460.34	-	9.67	9.75	10.47	10.51	-
287	Agricultural chemicals	336.10	337.03	381.05	372.81	-	7.78	7.73	8.68	8.59	-
289	Miscellaneous chemical products	308.92	312.42	339.87	336.60	-	7.48	7.62	8.17	8.17	-
29	<b>PETROLEUM AND COAL PRODUCTS</b>	366.03	404.01	481.10	476.00	\$486.17	9.29	9.83	11.32	11.20	\$11.28
291	Petroleum refining	402.95	446.20	521.30	512.55	-	10.66	10.83	12.18	12.06	-
295	Paving and roofing materials	305.58	302.25	337.68	355.83	-	7.19	7.39	8.04	8.18	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	250.80	250.11	278.70	284.09	285.63	6.27	6.30	6.95	6.98	7.07
301	Tires and inner tubes	366.28	365.04	439.30	439.10	-	9.18	9.36	10.56	10.53	-
302	Rubber and plastics footwear	174.94	176.95	181.03	184.55	-	4.44	4.38	4.56	4.72	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	275.64	272.30	306.45	317.67	-	6.61	6.74	7.42	7.51	-
306	Fabricated rubber products, nec	238.55	239.51	262.28	267.45	-	6.07	6.11	6.59	6.62	-
307	Miscellaneous plastics products	233.78	232.62	254.96	261.46	-	5.83	5.83	6.39	6.44	-
31	<b>LEATHER AND LEATHER PRODUCTS</b>	164.16	165.88	178.24	180.93	178.85	4.51	4.52	4.87	4.89	4.90
311	Leather tanning and finishing	240.59	244.02	261.39	266.56	-	5.97	6.04	6.47	6.47	-
314	Footwear, except rubber	157.68	159.94	170.86	172.43	-	4.38	4.37	4.72	4.75	-
3143	Men's footwear, except athletic	173.07	172.88	187.50	188.38	-	4.64	4.61	5.00	5.01	-
3144	Women's footwear, except athletic	146.93	149.58	159.46	159.38	-	4.21	4.19	4.53	4.58	-
316	Luggage	169.44	176.66	193.92	195.42	-	4.80	4.88	5.05	4.96	-
317	Handbags and personal leather goods	154.56	153.15	163.80	167.80	-	4.20	4.29	4.55	4.61	-
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	340.49	344.05	373.67	371.15	374.14	8.62	8.71	9.46	9.42	9.52
	<b>RAILROAD TRANSPORTATION:</b>										
4011	Class I railroads	405.77	420.20	469.10	-	-	9.57	9.55	10.71	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>	207.08	212.78	219.36	222.26	-	6.20	6.24	6.49	6.48	-
411	Local and suburban transportation	269.01	276.00	277.42	279.69	-	6.88	6.90	7.15	7.19	-
413	Intercity highway transportation	337.21	347.33	367.14	366.72	-	9.86	9.49	10.43	10.33	-
42	<b>TRUCKING AND WAREHOUSING</b>	345.35	350.24	377.72	379.27	-	8.81	9.05	9.71	9.70	-
421, 3	Trucking and trucking terminals	352.41	357.59	386.49	386.70	-	8.99	9.24	9.91	9.89	-
422	Public warehousing	237.50	241.42	259.08	260.22	-	6.25	6.37	6.80	6.83	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b>	440.77	458.60	478.88	479.98	-	10.57	10.74	11.68	11.65	-
48	<b>COMMUNICATION</b>	330.34	328.72	360.87	354.76	-	8.30	8.28	9.09	9.05	-
481	Telephone communication	341.25	338.00	374.53	367.21	-	8.51	8.45	9.34	9.32	-
4817	Switchboard operating employees	215.99	218.67	258.91	243.43	-	6.99	6.92	7.66	7.56	-
4818	Line construction employees <sup>a, 11</sup>	435.46	429.71	481.14	466.28	-	10.08	10.04	11.01	10.92	-
483	Radio and television broadcasting	272.88	278.21	296.32	295.60	-	7.20	7.36	7.86	7.82	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	358.15	360.64	397.99	397.31	-	8.63	8.69	9.59	9.62	-
491	Electric services	373.93	376.94	409.92	407.83	-	8.84	8.89	9.76	9.78	-
492	Gas production and distribution	324.01	330.08	362.37	366.38	-	8.06	8.15	8.86	8.98	-
493	Combination utility services	381.71	383.35	437.83	435.30	-	9.31	9.35	10.55	10.54	-
495	Sanitary services	282.35	284.41	308.51	309.32	-	6.82	6.92	7.58	7.60	-
-	<b>WHOLESALE AND RETAIL TRADE</b>	172.80	171.72	185.13	186.03	187.52	5.40	5.40	5.84	5.85	5.86
50, 51	<b>WHOLESALE TRADE</b>	262.27	263.81	283.04	286.06	286.44	6.83	6.87	7.39	7.43	7.44
50	<b>WHOLESALE TRADE-DURABLE GOODS</b>	263.16	264.32	285.22	288.64	-	6.80	6.83	7.37	7.42	-
501	Motor vehicles and automotive equipment	239.40	242.19	260.35	264.80	-	6.30	6.34	6.78	6.86	-
502	Furniture and home furnishings	230.89	231.26	250.28	253.57	-	6.19	6.20	6.71	6.78	-
503	Lumber and construction materials	257.34	262.13	290.32	294.14	-	6.79	6.88	7.64	7.64	-
504	Sporting goods, toys, and hobby goods	258.75	258.00	295.13	296.35	-	6.90	6.88	7.87	7.84	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls  
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
		<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>									
284	Soap, cleaners, and toilet goods .....	40.3	40.1	40.1	40.9	-	2.9	2.5	2.7	2.9	-
2841	Soap and other detergents .....	42.5	41.5	41.9	42.7	-	4.3	3.7	3.8	4.0	-
2844	Toilet preparations .....	38.9	39.5	39.3	40.5	-	2.3	2.0	2.4	2.7	-
2842, 3	Polishing, sanitation, and finishing preparations .....	39.9	39.3	39.2	39.5	-	2.2	1.9	1.8	2.0	-
285	Paints and allied products .....	40.4	39.9	40.0	40.8	-	2.6	2.2	2.3	3.0	-
286	Industrial organic chemicals .....	43.3	43.8	42.7	43.0	-	3.9	4.1	3.8	3.8	-
2865	Cyclic crudes and intermediates .....	42.5	42.6	41.4	40.5	-	3.8	4.0	4.0	3.6	-
2861, 9	Gum, wood, and industrial organic chemicals, nec .....	43.6	44.2	43.1	43.8	-	4.0	4.1	3.8	3.8	-
287	Agricultural chemicals .....	43.2	43.6	43.9	43.4	-	5.1	5.2	5.3	5.3	-
289	Miscellaneous chemical products .....	41.3	41.0	41.6	41.2	-	3.3	3.1	3.5	3.2	-
<b>PETROLEUM AND COAL PRODUCTS</b>											
29	Petroleum refining .....	39.4	41.1	42.5	42.5	43.1	4.1	3.6	3.7	3.6	-
291	Petroleum refining .....	37.8	41.2	42.8	42.5	-	3.5	3.5	3.6	3.3	-
295	Paving and roofing materials .....	42.5	40.9	42.0	43.5	-	5.6	4.2	5.0	5.8	-
<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>											
30	Rubber and misc. plastics products .....	40.0	39.7	40.1	40.7	40.4	2.8	2.4	3.0	3.1	-
301	Tires and inner tubes .....	39.9	39.0	41.6	41.7	-	1.8	1.4	3.6	3.1	-
302	Rubber and plastics footwear .....	39.4	40.4	39.7	39.1	-	2.7	2.8	2.3	2.2	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting .....	41.7	40.4	41.3	42.3	-	2.1	1.8	2.7	3.1	-
306	Fabricated rubber products, nec .....	39.3	39.2	39.8	40.4	-	2.4	2.0	2.5	2.6	-
307	Miscellaneous plastics products .....	40.1	39.9	39.9	40.6	-	3.1	2.7	3.0	3.3	-
<b>LEATHER AND LEATHER PRODUCTS</b>											
31	Leather tanning and finishing .....	36.4	36.7	36.6	37.0	36.5	1.6	1.6	1.4	1.4	-
311	Leather tanning and finishing .....	40.3	40.4	40.4	41.2	-	3.2	3.4	3.2	3.3	-
314	Footwear, except rubber .....	36.0	36.6	36.2	36.3	-	1.3	1.4	1.1	.9	-
3143	Men's footwear, except athletic .....	37.3	37.5	37.5	37.6	-	1.6	1.4	1.4	1.0	-
3144	Women's footwear, except athletic .....	34.9	35.7	35.2	34.8	-	1.1	1.4	1.0	.8	-
316	Luggage .....	35.3	36.2	38.4	39.4	-	2.4	2.9	1.4	1.8	-
317	Handbags and personal leather goods .....	36.8	35.7	36.0	36.4	-	1.9	1.4	2.0	2.1	-
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>											
<b>RAILROAD TRANSPORTATION:</b>											
4011	Class I railroads <sup>2</sup> .....	42.4	44.0	43.8	-	-	-	-	-	-	-
<b>LOCAL AND INTERURBAN PASSENGER TRANSPORTATION</b>											
41	Local and interurban passenger .....	33.4	34.1	33.8	34.3	-	-	-	-	-	-
411	Local and suburban transportation .....	39.1	40.0	38.8	38.9	-	-	-	-	-	-
413	Intercity highway transportation .....	34.2	36.6	35.2	35.5	-	-	-	-	-	-
<b>TRUCKING AND WAREHOUSING</b>											
42	Trucking and warehousing .....	39.2	38.7	38.9	39.1	-	-	-	-	-	-
421, 3	Trucking and trucking terminals .....	39.2	38.7	39.0	39.1	-	-	-	-	-	-
422	Public warehousing .....	38.0	37.9	38.1	38.1	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS .....	41.7	42.7	41.0	41.2	-	-	-	-	-	-
<b>COMMUNICATION</b>											
48	Telephone communication .....	39.8	39.7	39.7	39.2	-	-	-	-	-	-
481	Telephone communication .....	40.1	40.0	40.1	39.4	-	-	-	-	-	-
4817	Switchboard operating employees <sup>3</sup> .....	30.9	31.6	33.8	32.2	-	-	-	-	-	-
4818	Line construction employees <sup>4, 11</sup> .....	43.2	42.8	43.7	42.7	-	-	-	-	-	-
483	Radio and television broadcasting .....	37.9	37.8	37.7	37.8	-	-	-	-	-	-
<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>											
49	Electric, gas, and sanitary services .....	41.5	41.5	41.5	41.3	-	-	-	-	-	-
491	Electric services .....	42.3	42.4	42.0	41.7	-	-	-	-	-	-
492	Gas production and distribution .....	40.2	40.5	40.9	40.8	-	-	-	-	-	-
493	Combination utility services .....	41.0	41.0	41.5	41.3	-	-	-	-	-	-
495	Sanitary services .....	41.4	41.1	40.7	40.7	-	-	-	-	-	-
<b>WHOLESALE AND RETAIL TRADE</b>											
-	Wholesale and retail trade .....	32.0	31.8	31.7	31.8	32.0	-	-	-	-	-
50, 51	Wholesale trade .....	38.4	38.4	38.3	38.5	38.5	-	-	-	-	-
<b>WHOLESALE TRADE-DURABLE GOODS</b>											
50	Wholesale trade-durable goods .....	38.7	38.7	38.7	38.9	-	-	-	-	-	-
501	Motor vehicles and automotive equipment .....	38.0	38.2	38.4	38.6	-	-	-	-	-	-
502	Furniture and home furnishings .....	37.3	37.3	37.3	37.4	-	-	-	-	-	-
503	Lumber and construction materials .....	37.9	38.1	38.0	38.5	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods .....	37.5	37.5	37.5	37.8	-	-	-	-	-	-

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				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
	<b>WHOLESALE TRADE-DURABLE GOODS—Continued</b>										
505	Metals and minerals, except petroleum .....	\$318.40	\$317.20	\$343.73	\$343.08	-	\$7.98	\$7.99	\$8.68	\$8.62	-
506	Electrical goods .....	272.13	274.00	303.81	307.33	-	7.05	7.08	7.81	7.86	-
507	Hardware, plumbing, and heating equipment .....	245.88	247.56	263.34	264.19	-	6.37	6.43	6.84	6.88	-
508	Machinery, equipment, and supplies .....	276.67	277.14	295.60	299.47	-	7.04	7.07	7.56	7.62	-
509	Miscellaneous durable goods .....	221.38	222.34	233.46	239.55	-	5.75	5.76	6.16	6.19	-
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> .....	261.82	262.27	279.36	282.36	-	6.89	6.92	7.41	7.45	-
511	Paper and paper products .....	287.79	291.20	304.79	311.64	-	7.95	8.00	8.26	8.40	-
512	Drugs, proprietaries, and sundries .....	268.25	267.12	291.56	289.30	-	7.25	7.20	7.88	7.84	-
513	Apparel, piece goods, and notions .....	230.00	228.23	240.67	246.18	-	6.25	6.27	6.54	6.60	-
514	Groceries and related products .....	261.59	261.06	280.11	282.34	-	6.83	6.87	7.43	7.43	-
516	Chemicals and allied products .....	322.26	320.66	347.21	351.16	-	8.20	8.18	8.88	8.89	-
517	Petroleum and petroleum products .....	344.92	349.46	360.70	363.40	-	8.58	8.65	9.04	9.20	-
518	Beer, wine, and distilled beverages .....	284.16	286.41	304.51	308.75	-	7.68	7.72	8.23	8.39	-
519	Miscellaneous nondurable goods .....	213.74	216.40	230.51	233.25	-	5.61	5.65	6.05	6.09	-
52-59	<b>RETAIL TRADE</b> .....	143.92	142.56	153.92	154.44	\$156.08	4.81	4.80	5.20	5.20	\$5.22
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	190.17	190.17	203.31	205.15	-	5.21	5.21	5.57	5.59	-
521	Lumber and other building materials .....	209.21	209.44	221.18	226.20	-	5.42	5.44	5.79	5.83	-
525	Hardware stores .....	152.72	153.64	165.17	164.67	-	4.60	4.60	4.96	4.96	-
53	<b>GENERAL MERCHANDISE STORES</b> .....	136.30	135.46	141.22	145.22	-	4.70	4.72	5.08	5.06	-
531	Department stores .....	141.32	140.71	146.53	151.01	-	4.89	4.92	5.29	5.28	-
533	Variety stores .....	114.26	113.19	113.15	115.54	-	3.86	3.85	4.07	4.04	-
539	Misc. general merchandise stores .....	109.33	109.53	120.51	124.74	-	3.77	3.79	4.17	4.20	-
54	<b>FOOD STORES</b> .....	185.59	185.12	207.16	207.71	-	5.99	6.03	6.77	6.81	-
541	Grocery stores .....	192.32	192.20	215.91	217.14	-	6.18	6.22	7.01	7.05	-
546	Retail bakeries .....	136.32	134.90	137.66	136.41	-	4.59	4.62	4.83	4.82	-
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	210.55	208.50	224.25	227.25	-	5.66	5.62	5.98	6.06	-
551, 2	New and used car dealers .....	252.50	246.62	266.57	272.64	-	6.61	6.49	6.96	7.10	-
553	Auto and home supply stores .....	201.29	208.79	215.34	216.28	-	4.97	5.13	5.37	5.38	-
554	Gasoline service stations .....	151.16	153.08	168.50	168.03	-	4.42	4.45	4.76	4.76	-
56	<b>APPAREL AND ACCESSORY STORES</b> .....	118.86	119.28	126.87	128.52	-	4.23	4.26	4.58	4.59	-
561	Men's and boys' clothing and furnishings .....	152.54	154.40	162.10	161.39	-	4.77	4.84	5.28	5.24	-
562	Women's ready-to-wear stores .....	105.34	106.13	113.95	115.78	-	3.99	3.99	4.30	4.32	-
565	Family clothing stores .....	114.68	113.98	123.03	125.03	-	4.14	4.16	4.49	4.53	-
566	Shoe stores .....	121.12	122.80	128.59	131.13	-	4.28	4.37	4.56	4.65	-
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b> .....	188.30	185.80	199.39	201.00	-	5.38	5.37	5.83	5.86	-
571	Furniture and home furnishings .....	193.25	190.16	199.86	199.86	-	5.49	5.48	5.81	5.81	-
572	Household appliance stores .....	197.58	194.86	212.54	213.50	-	5.55	5.52	6.09	6.10	-
573	Radio, television, and music stores .....	168.98	169.32	188.91	194.97	-	4.97	4.98	5.69	5.82	-
58	<b>EATING AND DRINKING PLACES</b> .....	94.06	94.69	100.49	100.62	-	3.66	3.67	3.91	3.90	-
59	<b>MISCELLANEOUS RETAIL</b> .....	148.80	148.15	160.06	159.23	-	4.80	4.81	5.13	5.12	-
591	Drug stores and proprietary stores .....	130.24	129.36	134.60	134.78	-	4.43	4.43	4.69	4.68	-
594	Miscellaneous shopping goods stores .....	135.45	134.98	142.67	142.07	-	4.53	4.56	4.74	4.72	-
596	Nonstore retailers .....	184.66	185.08	199.14	207.03	-	5.63	5.73	6.09	6.18	-
598	Fuel and ice dealers .....	244.83	237.99	276.00	261.32	-	6.31	6.23	6.90	6.77	-
599	Retail stores, nec .....	154.67	154.63	174.42	166.44	-	4.73	4.70	5.13	5.09	-
-	<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	206.18	205.62	226.04	224.33	220.93	5.68	5.68	6.21	6.18	6.12
60	<b>BANKING</b> .....	176.06	175.93	195.24	194.30	-	4.85	4.86	5.32	5.28	-
602	Commercial and stock savings banks .....	173.15	172.56	192.83	190.99	-	4.77	4.78	5.24	5.19	-
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	185.61	184.37	201.66	201.85	-	5.03	5.01	5.54	5.53	-
612	Savings and loan associations .....	178.12	176.54	192.72	191.10	-	4.88	4.85	5.28	5.25	-
614	Personal credit institutions .....	176.66	176.05	195.83	196.18	-	4.84	4.81	5.47	5.48	-
63	<b>INSURANCE CARRIERS</b> .....	230.11	232.13	251.70	253.20	-	6.12	6.19	6.73	6.77	-
631	Life insurance .....	238.14	240.64	260.68	258.49	-	6.30	6.40	6.97	6.93	-
632	Medical service and health insurance .....	225.23	226.35	240.03	243.46	-	5.85	5.91	6.35	6.39	-
633	Fire, marine, and casualty insurance .....	224.35	225.46	247.46	250.80	-	6.08	6.11	6.67	6.76	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls  
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
	<b>WHOLESALE TRADE-DURABLE GOODS—Continued</b>										
505	Metals and minerals, except petroleum .....	39.9	39.7	39.6	39.8	-	-	-	-	-	
506	Electrical goods .....	38.6	38.7	38.9	39.1	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment .....	38.6	38.5	38.5	38.4	-	-	-	-	-	
508	Machinery, equipment, and supplies .....	39.3	39.2	39.1	39.3	-	-	-	-	-	
509	Miscellaneous durable goods .....	38.5	38.6	37.9	38.7	-	-	-	-	-	
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> ..	38.0	37.9	37.7	37.9	-	-	-	-	-	
511	Paper and paper products .....	36.2	36.4	36.9	37.1	-	-	-	-	-	
512	Drugs, proprietaries, and sundries .....	37.0	37.1	37.0	36.9	-	-	-	-	-	
513	Apparel, piece goods, and notions .....	36.8	36.4	36.6	37.3	-	-	-	-	-	
514	Groceries and related products .....	38.3	38.0	37.7	38.0	-	-	-	-	-	
516	Chemicals and allied products .....	39.3	39.2	39.1	39.5	-	-	-	-	-	
517	Petroleum and petroleum products .....	40.2	40.4	39.9	39.5	-	-	-	-	-	
518	Beer, wine, and distilled beverages .....	37.0	37.1	37.0	36.8	-	-	-	-	-	
519	Miscellaneous nondurable goods .....	38.1	38.3	38.1	38.3	-	-	-	-	-	
52-59	<b>RETAIL TRADE</b> .....	29.9	29.7	29.6	29.7	29.9	-	-	-	-	
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	36.5	36.5	36.5	36.7	-	-	-	-	-	
521	Lumber and other building materials .....	38.6	38.5	38.2	38.8	-	-	-	-	-	
525	Hardware stores .....	33.2	33.4	33.3	33.2	-	-	-	-	-	
53	<b>GENERAL MERCHANDISE STORES</b> .....	29.0	28.7	27.8	28.7	-	-	-	-	-	
531	Department stores .....	28.9	28.6	27.7	28.6	-	-	-	-	-	
533	Variety stores .....	29.6	29.4	27.8	28.6	-	-	-	-	-	
539	Misc. general merchandise stores .....	29.0	28.9	28.9	29.7	-	-	-	-	-	
54	<b>FOOD STORES</b> .....	31.0	30.7	30.6	30.5	-	-	-	-	-	
541	Grocery stores .....	31.2	30.9	30.8	30.8	-	-	-	-	-	
546	Retail bakeries .....	29.7	29.2	28.5	28.3	-	-	-	-	-	
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	37.2	37.1	37.5	37.5	-	-	-	-	-	
551, 2	New and used car dealers .....	38.2	38.0	38.3	38.4	-	-	-	-	-	
553	Auto and home supply stores .....	40.5	40.7	40.1	40.2	-	-	-	-	-	
554	Gasoline service stations .....	34.2	34.4	34.4	35.3	-	-	-	-	-	
56	<b>APPAREL AND ACCESSORY STORES</b> .....	28.1	28.0	27.7	28.0	-	-	-	-	-	
561	Men's and boys' clothing and furnishings .....	32.0	31.9	30.7	30.8	-	-	-	-	-	
562	Women's ready-to-wear stores .....	26.4	26.6	26.5	26.8	-	-	-	-	-	
565	Family clothing stores .....	27.7	27.4	27.4	27.6	-	-	-	-	-	
566	Shoe stores .....	28.3	28.1	28.2	28.2	-	-	-	-	-	
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b> .....	35.0	34.6	34.2	34.3	-	-	-	-	-	
571	Furniture and home furnishings .....	35.2	34.7	34.4	34.4	-	-	-	-	-	
572	Household appliance stores .....	35.6	35.3	34.9	35.0	-	-	-	-	-	
573	Radio, television, and music stores .....	34.0	34.0	33.2	33.5	-	-	-	-	-	
58	<b>EATING AND DRINKING PLACES</b> .....	25.7	25.8	25.7	25.8	-	-	-	-	-	
59	<b>MISCELLANEOUS RETAIL</b> .....	31.0	30.8	31.2	31.1	-	-	-	-	-	
591	Drug stores and proprietary stores .....	29.4	29.2	28.7	28.8	-	-	-	-	-	
594	Miscellaneous shopping goods stores .....	29.9	29.6	30.1	30.1	-	-	-	-	-	
596	Nonstore retailers .....	32.8	32.3	32.7	33.5	-	-	-	-	-	
598	Fuel and ice dealers .....	38.8	38.2	40.0	38.6	-	-	-	-	-	
599	Retail stores, nec .....	32.7	32.9	34.0	32.7	-	-	-	-	-	
-	<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>h</sup></b> .....	36.3	36.2	36.4	36.3	36.1	-	-	-	-	
60	<b>BANKING</b> .....	36.3	36.2	36.7	36.8	-	-	-	-	-	
602	Commercial and stock savings banks .....	36.3	36.1	36.8	36.8	-	-	-	-	-	
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	36.9	36.8	36.4	36.5	-	-	-	-	-	
612	Savings and loan associations .....	36.5	36.4	36.5	36.4	-	-	-	-	-	
614	Personal credit institutions .....	36.5	36.6	35.8	35.8	-	-	-	-	-	
63	<b>INSURANCE CARRIERS</b> .....	37.6	37.5	37.4	37.4	-	-	-	-	-	
631	Life insurance .....	37.8	37.6	37.4	37.3	-	-	-	-	-	
632	Medical service and health insurance .....	38.5	38.3	37.8	38.1	-	-	-	-	-	
633	Fire, marine, and casualty insurance .....	36.9	36.9	37.1	37.1	-	-	-	-	-	

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry—Continued

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
-	<b>SERVICES</b> .....	\$186.88	\$186.30	\$204.73	\$205.05	\$205.05	\$5.75	\$5.75	\$6.28	\$6.29	\$6.29
701	<b>HOTELS AND OTHER LODGING PLACES:</b> Hotels, motels, and tourist courts .....	132.13	131.02	144.53	143.93	-	4.29	4.31	4.77	4.75	-
721	<b>PERSONAL SERVICES:</b> Laundry, cleaning, and garment services .....	147.61	149.40	158.18	160.08	-	4.38	4.42	4.75	4.75	-
723	Beauty shops .....	124.02	123.07	131.82	140.43	-	4.19	4.13	4.53	4.65	-
73	<b>BUSINESS SERVICES</b> .....	194.18	194.50	208.94	212.52	-	5.92	5.93	6.37	6.44	-
731	Advertising .....	287.65	287.74	311.17	313.29	-	8.08	8.06	8.79	8.85	-
734	Services to buildings .....	136.77	136.90	145.26	149.05	-	5.01	4.96	5.36	5.50	-
737	Computer and data processing services .....	258.03	255.57	276.38	281.57	-	7.05	7.06	7.49	7.61	-
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	220.70	224.46	234.87	236.50	-	6.03	6.05	6.28	6.29	-
753	Automotive repair shops .....	245.38	250.13	261.42	263.35	-	6.39	6.43	6.79	6.77	-
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	269.17	263.25	285.70	289.52	-	6.78	6.75	7.44	7.52	-
78	<b>MOTION PICTURES</b> .....	251.14	213.29	240.40	235.17	-	8.66	7.70	8.71	8.71	-
781	Motion picture production and services .....	489.63	436.19	499.43	495.88	-	11.77	10.77	12.58	12.65	-
79	<b>AMUSEMENT AND RECREATION SERVICES</b> ..	158.69	162.44	176.71	174.92	-	5.51	5.66	5.91	5.97	-
80	<b>HEALTH SERVICES</b> .....	180.83	180.93	201.06	201.06	-	5.53	5.55	6.13	6.13	-
801	Offices of physicians .....	184.70	184.18	208.97	208.65	-	5.79	5.72	6.41	6.42	-
802	Offices of dentists .....	157.18	157.79	174.14	176.83	-	5.42	5.46	6.11	6.14	-
805	Nursing and personal care facilities .....	125.46	126.79	138.26	138.26	-	4.10	4.13	4.46	4.46	-
806	Hospitals .....	198.99	200.10	221.71	221.71	-	5.87	5.92	6.54	6.54	-
81	<b>LEGAL SERVICES</b> .....	250.13	246.70	274.16	273.94	-	7.25	7.13	8.04	8.01	-
89	<b>MISCELLANEOUS SERVICES</b> .....	315.85	316.23	352.28	353.96	-	8.29	8.30	9.15	9.17	-
891	Engineering and architectural services .....	345.98	345.59	381.37	386.23	-	8.94	8.93	9.88	9.98	-
893	Accounting, auditing, and bookkeeping .....	271.16	270.84	305.35	306.88	-	7.08	7.09	7.75	7.73	-

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

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

<sup>3</sup> 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.

<sup>4</sup> 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.

\*\*Corrected data for January 1981 are:

Item	January 1981	
	SIC 372	SIC 3721
Average weekly earnings . . . .	\$412.57	\$429.73
Average hourly earnings . . . .	9.87	10.33

<sup>5</sup> Money payments only; tips, not included.

<sup>6</sup> 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 Line construction employers (SIC 4818) are as follows:

Year and month	Average weekly earnings	Average hourly earnings	Average weekly hours
1980: October . . . .	\$483.71	\$11.17	44.2
November . . . .	496.15	11.06	44.9
December . . . .	487.08	11.07	44.0
Annual average . . . .	463.33	10.36	43.8
1981: January . . . .	478.10	10.97	43.4



**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				
		Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
-	<b>SERVICES</b> .....	32.5	32.4	32.6	32.6	32.6	-	-	-	-	-
701	<b>HOTELS AND OTHER LODGING PLACES:</b> Hotels, motels, and tourist courts .....	30.8	30.4	30.3	30.3	-	-	-	-	-	-
721	<b>PERSONAL SERVICES:</b> Laundry, cleaning, and garment services .....	33.7	33.8	33.3	33.7	-	-	-	-	-	-
723	Beauty shops .....	29.6	29.8	29.1	30.2	-	-	-	-	-	-
73	<b>BUSINESS SERVICES</b> .....	32.8	32.8	32.8	33.0	-	-	-	-	-	-
731	Advertising .....	35.6	35.7	35.4	35.4	-	-	-	-	-	-
734	Services to buildings .....	27.3	27.6	27.1	27.1	-	-	-	-	-	-
737	Computer and data processing services .....	36.6	36.2	36.9	37.0	-	-	-	-	-	-
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	36.6	37.1	37.4	37.6	-	-	-	-	-	-
753	Automotive repair shops .....	38.4	38.9	38.5	38.9	-	-	-	-	-	-
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	39.7	39.0	38.4	38.5	-	-	-	-	-	-
78	<b>MOTION PICTURES</b> .....	29.0	27.7	27.6	27.0	-	-	-	-	-	-
781	Motion picture production and services .....	41.6	40.5	39.7	39.2	-	-	-	-	-	-
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	28.8	28.7	29.9	29.3	-	-	-	-	-	-
80	<b>HEALTH SERVICES</b> .....	32.7	32.6	32.8	32.8	-	-	-	-	-	-
801	Offices of physicians .....	31.9	32.2	32.6	32.5	-	-	-	-	-	-
802	Offices of dentists .....	29.0	28.9	28.5	28.8	-	-	-	-	-	-
805	Nursing and personal care facilities .....	30.6	30.7	31.0	31.0	-	-	-	-	-	-
806	Hospitals .....	33.9	33.8	33.9	33.9	-	-	-	-	-	-
81	<b>LEGAL SERVICES</b> .....	34.5	34.6	34.1	34.2	-	-	-	-	-	-
89	<b>MISCELLANEOUS SERVICES</b> .....	38.1	38.1	38.5	38.6	-	-	-	-	-	-
891	Engineering and architectural services .....	38.7	38.7	38.6	38.7	-	-	-	-	-	-
893	Accounting, auditing, and bookkeeping .....	38.3	38.2	39.4	39.7	-	-	-	-	-	-

# 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
<b>Executive Branch</b>													
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
<b>Department of Defense</b>													
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	39.6
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
<b>Postal Service</b>													
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
<b>Other Agencies</b>													
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 <sup>1</sup>				
	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
<b>MANUFACTURING</b> .....	<b>\$6.81</b>	<b>\$6.85</b>	<b>\$7.48</b>	<b>\$7.53</b>	<b>\$7.61</b>
<b>DURABLE GOODS</b> .....	<b>7.26</b>	<b>7.31</b>	<b>7.99</b>	<b>8.05</b>	<b>8.13</b>
Lumber and wood products .....	6.12	6.09	6.62	6.58	-
Furniture and fixtures .....	5.24	5.27	5.60	5.62	-
Stone, clay, and glass products .....	6.94	7.03	7.57	7.58	-
Primary metal industries .....	9.09	9.19	10.16	10.16	-
Fabricated metal products .....	6.98	7.03	7.64	7.72	-
Machinery, except electrical .....	7.43	7.51	8.30	8.33	-
Electric and electronic equipment .....	6.57	6.61	7.24	7.29	-
Transportation equipment .....	8.70	8.73	9.59	9.72	-
Instruments and related products .....	6.43	6.46	7.00	7.04	-
Miscellaneous manufacturing industries .....	5.20	5.25	5.68	5.70	-
<b>NONDURABLE GOODS</b> .....	<b>6.08</b>	<b>6.15</b>	<b>6.71</b>	<b>6.74</b>	<b>6.81</b>
Food and kindred products .....	6.40	6.47	6.93	7.00	-
Tobacco manufactures .....	7.46	7.61	8.21	8.43	-
Textile mill products .....	4.71	4.71	5.14	5.14	-
Apparel and other textile products .....	4.42	4.40	4.80	4.87	-
Paper and allied products .....	7.20	7.27	7.87	7.89	-
Printing and publishing .....	7.08	7.11	7.74	7.78	-
Chemicals and allied products .....	7.74	7.81	8.45	8.48	-
Petroleum and coal products .....	8.84	9.41	10.85	10.75	-
Rubber and misc. plastics products .....	6.06	6.12	6.70	6.73	-
Leather and leather products .....	4.41	4.43	4.77	4.80	-

<sup>1</sup> 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 workers<sup>1</sup> on private nonagricultural payrolls by industry division, in current and 1967 dollars

Industry	Gross average weekly earnings			Spendable average weekly earnings <sup>2</sup>					
				Worker with no dependents			Married worker with 3 dependents		
	Mar. 1980	Feb. 1981	Mar. 1981P	Mar. 1980	Feb. 1981	Mar. 1981P	Mar. 1980	Feb. 1981	Mar. 1981P
<b>TOTAL PRIVATE:</b>									
Current dollars .....	\$229.15	\$246.74	\$249.92	\$184.67	\$195.67	\$197.88	\$201.89	\$213.95	\$216.34
1967 dollars .....	95.52	93.64	94.24	76.98	74.26	74.62	84.16	81.20	81.58
<b>MINING:</b>									
Current dollars .....	388.43	422.44	415.11	289.53	307.70	303.35	320.15	341.71	336.63
1967 dollars .....	161.91	160.32	156.53	120.69	116.77	114.39	133.45	129.68	126.93
<b>CONSTRUCTION:</b>									
Current dollars .....	350.42	364.70	388.00	266.02	273.25	287.26	292.56	301.07	317.83
1967 dollars .....	146.07	138.41	146.30	110.89	103.70	108.32	121.95	114.26	119.85
<b>MANUFACTURING:</b>									
Current dollars .....	280.99	305.73	310.82	220.61	235.81	239.11	241.22	258.40	262.09
1967 dollars .....	117.13	116.03	117.20	91.96	89.49	90.16	100.55	98.06	98.83
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>									
Current dollars .....	340.49	373.67	371.15	259.68	278.75	277.26	285.33	307.56	305.74
1967 dollars .....	141.93	141.81	139.95	108.25	105.79	104.55	118.94	116.72	115.29
<b>WHOLESALE AND RETAIL TRADE:</b>									
Current dollars .....	172.80	185.13	186.03	143.47	151.69	152.34	160.38	167.68	168.26
1967 dollars .....	72.03	70.26	70.15	59.80	57.57	57.44	66.85	63.64	63.45
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>									
Current dollars .....	206.18	226.04	224.33	167.99	181.29	180.05	184.13	198.35	197.06
1967 dollars .....	85.94	85.78	84.59	70.03	68.80	67.89	76.75	75.28	74.31
<b>SERVICES:</b>									
Current dollars .....	186.88	204.73	205.05	153.93	165.87	166.10	169.78	181.94	182.19
1967 dollars .....	77.90	77.70	77.32	64.16	62.95	62.63	70.77	69.05	68.70
<b>CONSUMER PRICE INDEX FOR URBAN WAGE EARNERS AND CLERICAL WORKERS (CPI-W, All items, 1967=100)</b> .....	239.9	263.5	265.2						

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

<sup>2</sup> 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 workers<sup>1</sup> on private nonagricultural payrolls by industry division and major manufacturing group

[1967=100]

Industry division and group	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
	Hours				
<b>TOTAL PRIVATE</b> .....	123.3	123.2	121.7	123.7	124.5
<b>GOODS-PRODUCING</b> .....	104.3	103.1	98.7	101.8	101.6
<b>MINING</b> .....	160.6	160.6	170.3	170.2	148.1
<b>CONSTRUCTION</b> .....	112.6	119.6	102.7	114.2	117.7
<b>MANUFACTURING</b> .....	100.9	98.2	95.5	97.2	97.2
<b>DURABLE GOODS</b> .....	104.4	100.4	96.4	98.7	98.9
Lumber and wood products .....	102.3	93.1	94.7	96.5	97.5
Furniture and fixtures .....	107.1	104.3	102.1	103.4	102.4
Stone, clay, and glass products .....	103.7	102.2	92.2	96.4	98.7
Primary metal industries .....	91.4	90.1	84.6	85.7	85.8
Fabricated metal products .....	103.8	100.1	94.3	96.2	96.0
Machinery, except electrical .....	118.1	115.3	111.7	113.3	112.1
Electric and electronic equipment .....	108.8	106.8	103.5	105.5	105.8
Transportation equipment .....	93.2	84.0	81.8	86.4	88.1
Instruments and related products .....	129.0	127.3	124.7	125.1	123.0
Miscellaneous manufacturing industries .....	95.5	94.4	86.3	88.4	88.0
<b>NONDURABLE GOODS</b> .....	95.9	95.0	94.2	95.0	94.7
Food and kindred products .....	89.3	87.9	88.3	87.5	87.7
Tobacco manufactures .....	65.7	64.3	73.2	68.1	65.6
Textile mill products .....	90.9	88.3	84.8	85.3	84.4
Apparel and other textile products .....	89.8	88.3	86.8	89.1	87.5
Paper and allied products .....	100.2	99.0	97.1	97.8	98.0
Printing and publishing .....	105.1	103.9	104.5	105.7	104.9
Chemicals and allied products .....	107.4	107.6	105.3	106.2	106.4
Petroleum and coal products .....	68.1	90.5	113.2	114.5	117.8
Rubber and misc. plastics products .....	141.2	137.9	134.5	137.0	137.9
Leather and leather products .....	64.6	65.0	64.1	65.0	65.5
<b>SERVICE-PRODUCING</b> .....	136.5	137.1	137.8	138.9	140.4
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	112.5	112.7	110.9	110.6	110.9
<b>WHOLESALE AND RETAIL TRADE</b> .....	128.0	128.3	127.4	128.7	130.7
<b>WHOLESALE TRADE</b> .....	133.3	133.1	131.9	133.2	134.0
<b>RETAIL TRADE</b> .....	125.9	126.5	125.6	126.9	129.4
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	148.7	148.7	152.7	153.0	153.5
<b>SERVICES</b> .....	155.8	157.0	160.1	161.9	163.7

<sup>1</sup> 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 workers' on private nonagricultural payrolls by industry division and major manufacturing group—Continued**

(1967=100)

Industry division and group	Mar. 1980	Apr. 1980	Feb. 1981	Mar. 1981P	Apr. 1981P
	Payrolls				
<b>TOTAL PRIVATE</b> .....	299.5	300.2	320.9	327.6	330.4
<b>GOODS-PRODUCING</b> .....	260.9	259.8	269.5	280.2	281.4
<b>MINING</b> .....	450.9	458.7	527.0	526.3	451.3
<b>CONSTRUCTION</b> .....	264.9	281.8	260.0	289.6	298.7
<b>MANUFACTURING</b> .....	252.4	246.4	261.9	268.3	270.3
<b>DURABLE GOODS</b> .....	262.6	253.1	266.1	274.4	276.9
Lumber and wood products .....	274.5	247.0	273.9	277.7	283.0
Furniture and fixtures .....	247.3	241.8	251.5	256.0	255.7
Stone, clay, and glass products .....	267.3	265.9	258.2	270.7	281.1
Primary metal industries .....	258.6	257.0	267.6	270.8	274.3
Fabricated metal products .....	252.4	244.2	250.1	258.0	259.0
Machinery, except electrical .....	287.6	282.6	302.3	307.7	306.0
Electric and electronic equipment .....	265.9	261.5	277.9	285.0	287.0
Transportation equipment .....	245.2	221.0	236.6	254.0	260.1
Instruments and related products .....	300.1	296.3	315.1	318.0	314.0
Miscellaneous manufacturing industries .....	217.1	215.8	213.7	219.7	220.7
<b>NONDURABLE GOODS</b> .....	235.2	235.0	254.7	257.9	259.2
Food and kindred products .....	226.2	224.9	242.5	242.1	244.7
Tobacco manufactures .....	219.2	220.9	273.5	256.4	253.1
Textile mill products .....	217.7	210.8	220.0	221.6	219.4
Apparel and other textile products .....	198.4	193.9	208.4	216.8	214.3
Paper and allied products .....	263.4	262.9	280.0	282.4	285.6
Printing and publishing .....	235.3	232.5	253.9	258.5	256.6
Chemicals and allied products .....	276.7	281.5	298.2	301.6	305.1
Petroleum and coal products .....	176.9	248.7	358.4	358.7	371.5
Rubber and misc. plastics products .....	322.6	316.6	340.5	348.6	355.2
Leather and leather products .....	140.9	142.2	151.0	153.9	155.1
<b>SERVICE-PRODUCING</b> .....	332.9	335.0	365.3	368.3	372.6
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	300.0	303.6	324.3	322.1	326.2
<b>WHOLESALE AND RETAIL TRADE</b> .....	306.8	307.8	330.0	334.3	339.9
<b>WHOLESALE TRADE</b> .....	316.6	317.7	338.9	344.2	346.8
<b>RETAIL TRADE</b> .....	301.3	302.3	325.0	328.8	336.0
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	326.9	327.0	366.9	366.0	363.5
<b>SERVICES</b> .....	391.5	394.7	439.0	445.1	450.2

# ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

**C-7. Average weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls  
by industry division and major manufacturing group, seasonally adjusted**

Industry	1980									1981			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. p	Apr. p
<b>TOTAL PRIVATE</b> .....	35.3	35.1	35.0	34.9	35.1	35.2	35.3	35.4	35.4	35.5	35.3	35.3	35.3
<b>MINING</b> <sup>2</sup> .....	42.8	42.7	43.2	41.9	43.1	43.5	43.5	43.5	44.1	43.5	42.8	42.1	43.0
<b>CONSTRUCTION</b> .....	36.7	36.8	37.1	36.8	36.5	37.4	37.0	37.2	37.1	38.5	36.3	37.6	36.8
<b>MANUFACTURING</b> .....	39.8	39.3	39.1	39.0	39.4	39.6	39.7	39.9	40.1	40.4	39.8	40.0	40.1
<i>Overtime hours</i> .....	3.0	2.6	2.4	2.5	2.7	2.7	2.8	2.9	3.1	3.1	2.9	2.8	2.9
<b>DURABLE GOODS</b> .....	40.3	39.7	39.5	39.4	39.9	40.1	40.1	40.5	40.6	40.9	40.2	40.5	40.7
<i>Overtime hours</i> .....	3.0	2.5	2.4	2.4	2.6	2.7	2.8	3.0	3.2	3.1	2.9	2.9	3.0
Lumber and wood products .....	37.3	37.5	37.6	38.1	38.9	38.8	38.7	39.3	39.4	40.1	38.9	39.5	39.3
Furniture and fixtures .....	38.5	37.6	37.0	36.6	37.4	38.0	38.0	38.0	38.6	38.9	38.8	38.8	38.7
Stone, clay, and glass products .....	40.6	40.3	40.4	40.2	40.3	40.9	40.9	41.1	41.3	41.6	40.6	40.9	40.9
Primary metal industries .....	40.6	39.2	38.8	38.6	39.2	39.7	40.1	40.9	41.4	41.2	40.8	41.1	40.9
Fabricated metal products .....	40.8	39.9	39.7	39.6	40.1	40.4	40.4	40.6	40.6	40.7	40.4	40.6	40.8
Machinery, except electrical .....	41.5	41.0	40.7	40.6	40.8	40.9	40.7	41.0	41.0	41.3	40.8	41.0	41.3
Electric and electronic equipment .....	39.9	39.5	39.2	39.0	39.4	39.5	39.9	40.0	40.2	40.4	39.7	40.2	40.2
Transportation equipment .....	40.5	39.7	39.5	39.6	40.9	40.6	40.8	41.4	41.3	41.9	40.5	41.1	41.9
Instruments and related products .....	40.7	40.3	40.4	40.1	40.1	40.1	40.2	40.5	40.5	41.0	40.6	40.4	40.2
Miscellaneous manufacturing ind .....	38.5	38.3	38.2	38.3	38.6	38.9	38.7	38.6	39.0	39.0	38.8	38.7	38.4
<b>NONDURABLE GOODS</b> .....	39.1	38.9	38.6	38.5	38.7	38.8	39.0	39.0	39.3	39.7	39.3	39.1	39.2
<i>Overtime hours</i> .....	3.0	2.6	2.5	2.6	2.8	2.7	2.8	2.9	3.0	3.1	3.0	2.8	2.9
Food and kindred products .....	39.6	39.9	39.6	39.7	39.8	39.7	39.6	39.8	39.8	40.3	39.9	39.6	40.1
Tobacco manufactures .....	38.2	38.2	37.3	38.5	37.3	37.5	39.5	38.9	37.2	39.7	39.4	37.2	37.0
Textile mill products .....	40.3	39.7	39.1	38.8	39.2	39.7	39.9	40.0	40.3	40.5	40.1	39.9	39.9
Apparel and other textile products .....	35.8	35.3	35.2	35.1	35.1	35.1	35.3	35.0	35.6	36.0	35.8	35.7	35.5
Paper and allied products .....	42.5	41.7	41.4	41.4	41.8	42.2	42.2	42.6	43.0	43.1	42.8	42.7	42.7
Printing and publishing .....	37.2	37.1	36.8	36.9	37.1	36.9	37.1	36.8	37.4	37.7	37.2	37.0	37.2
Chemicals and allied products .....	41.5	41.3	41.1	40.8	41.0	41.3	41.4	41.7	41.7	41.8	41.8	41.5	41.3
Petroleum and coal products .....	41.1	42.5	42.3	42.2	42.2	42.7	43.1	43.2	43.2	43.4	43.5	42.8	43.1
Rubber and misc. plastics products .....	40.1	39.3	39.2	39.0	40.2	40.1	40.4	40.8	40.9	41.3	40.1	40.6	40.8
Leather and leather products .....	37.3	36.7	36.7	36.1	36.5	36.2	36.5	36.2	36.6	37.1	37.0	37.5	37.1
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	39.5	39.3	39.6	39.9	39.7	39.7	39.8	39.7	40.0	39.4	39.5	39.4	39.3
<b>WHOLESALE AND RETAIL TRADE</b> .....	32.0	32.1	31.9	31.8	32.0	32.1	32.2	32.2	32.1	32.3	32.2	32.1	32.2
<b>WHOLESALE TRADE</b> .....	38.5	38.6	38.0	38.0	38.2	38.5	38.5	38.6	38.7	38.8	38.7	38.6	38.6
<b>RETAIL TRADE</b> .....	30.0	30.1	30.0	29.8	30.1	30.1	30.2	30.2	30.0	30.2	30.2	30.1	30.2
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> <sup>2</sup> .....	36.2	36.1	36.4	36.2	36.3	36.1	36.3	36.3	36.3	36.3	36.4	36.3	36.1
<b>SERVICES</b> .....	32.6	32.5	32.6	32.6	32.6	32.5	32.6	32.7	32.6	32.7	32.8	32.8	32.8

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

p=preliminary.

<sup>2</sup> See footnote 1, table B-5.

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED**

**C-8. Indexes of aggregate weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted**

[1967=100]

Industry division and group	1980									1981			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. P	Apr. P
<b>TOTAL PRIVATE</b> .....	124.8	123.4	122.5	121.9	123.0	123.7	124.5	125.2	125.5	126.8	126.1	126.4	126.0
<b>GOODS-PRODUCING</b> .....	105.2	102.2	100.3	98.5	100.0	101.5	102.3	103.7	104.4	106.4	103.8	104.8	103.7
<b>MINING</b> .....	161.7	163.2	166.4	158.7	162.4	166.7	168.0	170.4	175.6	175.4	173.7	172.7	149.3
<b>CONSTRUCTION</b> .....	124.7	124.3	123.7	120.6	120.5	124.7	124.5	126.0	126.8	135.3	124.6	128.6	122.4
<b>MANUFACTURING</b> .....	99.8	96.1	93.8	92.5	94.2	95.2	96.1	97.4	98.0	98.9	97.7	98.2	98.8
<b>DURABLE GOODS</b> .....	101.6	96.6	94.0	92.4	94.1	95.5	96.6	98.5	98.9	99.8	98.2	99.3	100.1
Lumber and wood products .....	95.3	90.4	89.6	91.5	95.3	96.8	97.0	99.4	100.7	103.0	99.4	100.6	99.9
Furniture and fixtures .....	106.1	99.0	94.6	91.0	94.8	98.4	99.0	99.5	101.9	103.2	103.7	103.5	104.6
Stone, clay, and glass products .....	103.5	99.4	96.7	95.1	96.5	99.3	99.5	101.0	101.3	102.4	99.8	100.5	99.9
Primary metal industries .....	89.9	82.4	77.4	73.4	75.4	77.7	80.5	84.3	86.6	86.3	85.5	86.1	85.6
Fabricated metal products .....	102.1	95.3	92.5	89.9	92.3	94.5	95.1	96.5	96.7	96.8	96.2	97.0	97.9
Machinery, except electrical .....	116.1	114.1	110.8	108.8	108.6	110.1	110.2	111.0	110.8	112.1	111.1	112.0	112.9
Electric and electronic equipment .....	108.1	103.8	100.1	98.5	99.8	100.5	102.1	103.3	104.8	105.9	104.3	106.2	107.0
Transportation equipment .....	85.0	79.1	79.6	79.8	82.4	82.5	84.7	88.2	85.7	86.9	83.9	86.2	89.2
Instruments and related products .....	128.4	126.0	125.1	123.8	124.1	123.8	124.2	125.7	126.0	127.2	125.1	125.1	124.2
Miscellaneous manufacturing ind .....	95.8	91.6	88.5	89.0	88.5	88.9	87.6	88.2	90.3	90.9	90.2	89.6	89.5
<b>NONDURABLE GOODS</b> .....	97.2	95.4	93.5	92.5	94.3	94.7	95.4	95.8	96.7	97.6	97.0	96.5	96.9
Food and kindred products .....	94.4	95.1	93.2	93.9	94.8	93.2	93.7	94.6	94.4	95.4	94.7	93.2	94.1
Tobacco manufactures .....	72.4	73.8	72.1	73.0	68.1	71.1	74.9	75.1	70.5	75.3	76.1	71.8	74.1
Textile mill products .....	89.4	86.4	82.2	80.5	83.3	84.5	85.3	85.6	86.4	86.7	85.8	85.2	85.5
Apparel and other textile products .....	89.3	87.2	86.7	86.1	87.2	87.3	87.5	86.7	88.1	89.0	88.6	88.7	88.5
Paper and allied products .....	100.4	96.7	94.7	93.6	95.0	96.5	97.3	98.6	99.9	100.3	99.6	99.6	99.4
Printing and publishing .....	104.8	103.6	103.1	102.9	103.8	103.8	104.1	103.8	106.2	106.9	106.0	105.7	105.8
Chemicals and allied products .....	107.4	106.0	104.4	102.1	102.4	103.9	104.1	105.5	105.7	106.5	107.0	106.4	106.0
Petroleum and coal products .....	91.6	113.8	113.3	113.9	114.8	116.1	117.2	117.5	118.4	120.7	121.9	119.9	119.0
Rubber and misc. plastics products .....	139.9	128.5	123.6	119.2	127.5	130.1	132.8	135.1	137.0	138.8	135.5	137.2	139.8
Leather and leather products .....	66.0	63.6	63.3	59.5	63.9	63.7	64.2	63.7	64.1	65.3	65.4	66.3	66.3
<b>SERVICE-PRODUCING</b> .....	138.3	138.1	137.9	138.2	139.0	139.2	139.9	140.2	140.2	140.9	141.6	141.5	141.5
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	113.5	112.6	112.6	112.8	112.6	112.7	113.5	112.8	113.8	111.9	112.5	112.0	111.6
<b>WHOLESALE AND RETAIL TRADE</b> .....	130.4	130.3	129.1	128.9	130.4	130.9	131.4	131.6	130.9	132.3	132.8	132.7	132.3
<b>WHOLESALE TRADE</b> .....	134.1	133.7	130.8	131.0	131.9	133.3	133.6	134.0	134.5	135.0	134.9	134.5	135.0
<b>RETAIL TRADE</b> .....	128.9	129.0	128.5	128.0	129.8	130.0	130.6	130.6	129.4	131.3	132.1	132.0	131.3
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	149.4	149.7	151.2	151.1	151.8	151.1	152.4	152.6	153.2	153.7	154.3	154.0	153.8
<b>SERVICES</b> .....	157.6	157.4	157.8	159.1	159.4	159.3	160.0	161.2	161.4	162.4	163.3	163.5	164.4

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

p=preliminary.

# ESTABLISHMENT DATA SEASONALLY ADJUSTED

## C-9. Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls, seasonally adjusted

Industry	1980									1981			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. P	Apr. P
Hourly Earnings Index <sup>2</sup> (1967=100)													
TOTAL PRIVATE (In current dollars).....	246.2	248.3	250.9	252.1	254.0	255.4	257.9	260.9	261.9	264.4	266.6	268.5	269.2
MINING.....	283.7	284.2	236.3	285.3	288.9	290.4	294.4	298.7	302.3	306.6	309.2	311.0	309.1
CONSTRUCTION.....	233.0	234.2	235.3	236.7	239.0	239.3	241.6	243.0	245.3	247.8	248.1	249.8	250.2
MANUFACTURING.....	252.4	255.0	258.3	260.6	262.4	264.5	266.6	268.9	270.4	272.6	274.6	276.7	279.2
TRANSPORTATION AND PUBLIC UTILITIES.....	267.2	268.7	270.6	272.8	273.2	274.0	280.2	283.4	284.1	285.9	289.6	291.1	292.7
WHOLESALE AND RETAIL TRADE.....	238.0	239.8	241.8	243.5	245.3	246.5	247.7	250.9	250.9	254.6	256.7	258.6	258.4
FINANCE, INSURANCE, AND REAL ESTATE.....	224.9	226.3	230.2	229.0	232.7	233.1	234.8	239.3	238.0	240.2	244.1	245.2	241.9
SERVICES.....	243.0	245.7	248.4	247.6	249.8	251.7	254.2	258.5	259.4	261.3	263.9	265.7	265.6
TOTAL PRIVATE (In 1967 dollars) <sup>3</sup> .....	101.5	101.5	101.6	102.1	102.0	101.5	101.4	100.5	100.8	101.0	100.9	101.0	-
Average hourly earnings													
TOTAL PRIVATE.....	\$6.54	\$6.57	\$6.62	\$6.67	\$6.71	\$6.77	\$6.83	\$6.91	\$6.95	\$7.02	\$7.06	\$7.10	\$7.12
MINING <sup>4</sup> .....	9.10	9.08	9.16	9.08	9.18	9.32	9.37	9.51	9.58	9.78	9.87	9.86	9.71
CONSTRUCTION.....	9.79	9.83	9.89	9.94	10.04	10.05	10.14	10.21	10.32	10.40	10.45	10.50	10.55
MANUFACTURING.....	7.11	7.15	7.22	7.30	7.36	7.41	7.49	7.58	7.63	7.69	7.73	7.79	7.88
TRANSPORTATION AND PUBLIC UTILITIES <sup>4</sup> .....	8.71	8.72	8.75	8.90	8.95	9.04	9.20	9.28	9.31	9.35	9.46	9.42	9.52
WHOLESALE AND RETAIL TRADE.....	5.38	5.42	5.45	5.50	5.53	5.56	5.59	5.66	5.67	5.73	5.79	5.82	5.84
FINANCE, INSURANCE, AND REAL ESTATE <sup>4</sup> .....	5.68	5.70	5.77	5.77	5.82	5.87	5.91	6.01	6.00	6.10	6.21	6.18	6.12
SERVICES.....	5.72	5.78	5.86	5.87	5.91	5.93	5.99	6.08	6.10	6.16	6.21	6.26	6.26
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars.....	230.86	230.61	231.70	232.78	235.52	238.30	241.10	244.61	246.03	249.21	249.22	250.63	251.34
1967 dollars <sup>3</sup> .....	95.20	94.28	93.88	94.24	94.62	94.68	94.81	95.10	94.70	95.19	94.33	94.33	-
Real spendable earnings (married worker with 3 dependents, 1967 dollars) <sup>3, 5</sup> .....	83.79	82.99	82.59	82.85	83.05	82.97	82.95	83.06	82.64	82.43	81.69	81.63	-

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

<sup>2</sup> 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.

<sup>3</sup> The CPI-W is used to deflate these series to 1967 dollars.

<sup>4</sup> See footnote 1, table B-5.

<sup>5</sup> See footnote 2, table C-5.

p=preliminary.

## C-10. Hours of wage and salary workers<sup>1</sup> in nonagricultural establishments by industry division

Industry division	Millions of hours (Annual rate) <sup>2</sup>			Percent change		
	FEBRUARY 1981	MARCH p1981	APRIL p1981	Apr. 1980 to Apr. 1981	Feb. 1981 to Mar. 1981	Mar. 1981 to Apr. 1981
TOTAL.....	171,799	172,194	170,480	0.1	0.2	-1.0
PRIVATE SECTOR.....	140,335	140,429	139,871	1.4	0.1	-0.4
MINING.....	2,527	2,477	2,155	-5.8	-2.0	-13.0
CONSTRUCTION.....	8,538	8,772	8,461	-0.7	2.7	-3.5
MANUFACTURING.....	42,390	42,384	42,337	-0.5	0.0	-0.1
DURABLE GOODS.....	25,717	25,780	25,738	-0.8	0.2	-0.2
NONDURABLE GOODS.....	16,763	16,604	16,599	0.0	-0.4	0.0
TRANSPORTATION AND PUBLIC UTILITIES.....	10,641	10,605	10,592	-1.2	-0.3	-0.1
WHOLESALE AND RETAIL TRADE.....	35,117	35,000	35,077	2.2	-0.3	0.2
FINANCE, INSURANCE, AND REAL ESTATE.....	9,994	10,016	9,967	3.4	0.2	-0.5
SERVICES.....	31,128	31,175	31,281	4.4	0.2	0.3
GOVERNMENT.....	31,464	31,764	30,609	-5.2	1.0	-3.6

<sup>1</sup> 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.

<sup>2</sup> "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**

(1977 = 100)

Item	Annual average		Quarterly indexes										
			1978		1979				1980				1981
	1979	1980	III	IV	I	II	III	IV	I	II	III	IV	I
<b>PRIVATE BUSINESS SECTOR:</b>													
Output per hour of all persons . . . .	99.4	r 99.1	100.0	99.9	99.7	99.6	99.2	99.0	99.3	98.8	99.2	r 98.9	p 99.8
Output . . . . .	107.7	r106.8	105.3	106.7	107.7	107.1	107.8	108.2	108.7	105.4	105.7	r107.5	p109.3
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	p109.5
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	p139.2
Real compensation per hour . . . . .	99.5	96.4	100.5	r100.3	r100.6	r100.3	99.0	r 97.8	96.5	r 96.3	r 96.7	r 95.7	p 95.7
Unit labor costs . . . . .	119.9	r132.3	109.4	112.1	115.4	118.5	121.4	124.2	127.0	131.3	133.9	r137.0	p139.5
Unit nonlabor payments . . . . .	110.9	r118.4	106.7	109.1	109.6	110.4	111.5	112.3	115.3	116.0	119.8	r122.8	p125.2
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	p134.7
<b>NONFARM BUSINESS SECTOR:</b>													
Output per hour of all persons . . . .	99.0	r 98.6	99.9	99.8	99.5	99.1	98.7	98.6	98.6	97.9	98.8	r 98.7	p 99.6
Output . . . . .	107.7	r106.8	105.5	106.8	107.9	107.1	107.8	108.2	108.5	105.1	105.8	r107.7	p109.6
Hours . . . . .	108.8	r108.3	105.6	107.1	108.4	108.1	109.2	109.7	110.0	107.3	107.1	r109.1	p110.0
Compensation per hour . . . . .	118.8	r130.5	109.4	111.9	114.9	117.6	119.9	122.7	125.6	129.0	131.9	135.0	p138.6
Real compensation per hour . . . . .	99.2	r 96.0	100.5	r100.3	100.4	r 99.9	98.6	r 97.6	96.2	95.7	96.1	r 95.4	p 95.3
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	r136.8	p139.2
Unit nonlabor payments . . . . .	108.5	r117.6	105.1	107.0	107.1	107.7	109.3	110.2	114.0	115.2	119.2	r122.1	p125.2
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	p134.5
<b>MANUFACTURING:</b>													
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	p103.4
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	p106.8
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	p103.3
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	p140.3
Real compensation per hour . . . . .	99.1	96.5	100.2	r100.0	r100.2	r100.7	98.4	r 97.0	95.7	r 96.2	r 97.2	r 96.7	p 96.5
Unit labor costs . . . . .	116.5	r129.4	107.3	109.3	112.9	115.9	117.5	119.8	122.9	128.9	133.2	132.8	p135.6
<b>DURABLE GOODS</b>													
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	p101.5
Output . . . . .	110.2	102.8	108.7	110.9	111.7	110.3	109.5	109.1	108.3	100.7	97.8	104.4	p106.1
Hours . . . . .	109.4	103.6	106.8	108.9	110.8	108.7	109.5	108.9	107.6	102.1	100.1	103.4	p104.6
Compensation per hour . . . . .	118.3	r131.3	108.5	111.1	114.1	118.4	119.2	121.3	124.8	129.6	133.7	137.3	p140.7
Real compensation per hour . . . . .	98.7	96.5	99.7	r 99.6	r 99.8	r100.5	98.0	r 96.4	95.5	r 96.2	r 97.3	r 97.0	p 96.8
Unit labor costs . . . . .	117.5	r132.3	106.6	109.0	113.3	116.6	119.2	121.1	125.4	131.4	136.8	r136.0	p138.7
<b>NONDURABLE GOODS</b>													
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	p106.4
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	p107.8
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	p101.2
Compensation per hour . . . . .	118.7	r130.6	109.6	111.6	114.5	118.1	119.7	122.7	124.6	129.3	133.1	135.5	p139.0
Real compensation per hour . . . . .	99.1	r 96.1	100.6	r100.1	100.1	r100.3	98.4	r 97.5	95.4	r 95.9	r 96.9	r 95.8	p 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	r127.5	p130.6
<b>NONFINANCIAL CORPORATIONS:</b>													
Output per all-employee hour . . . .	100.3	r100.8	100.4	100.5	100.6	100.6	100.3	99.7	100.0	99.8	101.5	p101.5	N.A.
Output . . . . .	109.3	r108.5	106.4	108.0	109.5	109.0	109.4	109.3	109.9	106.8	107.7	p109.7	N.A.
Hours . . . . .	109.0	r107.7	105.9	107.5	108.9	108.4	109.1	109.7	110.0	107.0	106.1	p108.2	N.A.
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	p135.1	N.A.
Real compensation per hour . . . . .	99.0	95.9	100.2	r 99.9	100.1	r 99.8	98.5	r 97.3	95.9	r 95.7	r 96.2	p 95.4	N.A.
Total unit costs . . . . .	116.8	r129.7	107.6	109.6	112.2	115.3	118.2	121.3	124.2	129.2	131.1	p134.1	N.A.
Unit labor costs . . . . .	118.2	r129.4	108.7	111.0	113.8	116.8	119.5	122.8	125.4	129.1	130.2	p133.1	N.A.
Unit nonlabor costs . . . . .	112.7	r130.2	104.4	106.0	107.8	111.2	114.6	117.2	120.9	129.3	133.8	p136.9	N.A.
Unit profits . . . . .	99.0	r 90.2	105.9	108.9	105.6	100.7	97.5	92.2	95.5	83.4	89.1	p 92.4	N.A.
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	p129.5	N.A.

p=preliminary.  
r=revised.

NOTE: Data in this table reflect the conversion of the base year from 1967 to 1977 = 100

**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	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
<b>PRIVATE BUSINESS SECTOR:</b>												
Output per hour of all persons	-1.1	1.3	-1.9	1.5	r-1.2	r 3.9	-0.9	-0.4	-0.8	0.0	r-0.1	p 0.5
Output	1.7	1.8	-11.5	1.1	r 6.9	r 7.2	1.4	0.9	-1.6	-1.9	r-0.7	p 0.6
Hours	2.8	0.5	-9.9	-0.4	r 8.3	r 3.2	2.4	1.3	-0.8	-1.9	-0.6	p 0.1
Compensation per hour	8.6	10.4	12.2	9.7	8.4	r11.5	9.9	9.6	9.9	10.2	10.2	p10.5
Real compensation per hour	r-4.9	r-5.2	r-0.8	r 1.8	r-4.0	r 0.1	-2.5	r-4.1	r-4.0	-2.3	r-2.1	p-0.7
Unit labor costs	9.8	9.0	14.4	8.1	r 9.7	r 7.4	10.9	10.0	10.8	10.3	r10.3	p 9.9
Unit nonlabor payments	2.6	11.3	2.6	13.6	r10.3	r 8.2	2.9	5.2	5.1	7.4	r 9.4	p 8.6
Implicit price deflator	7.4	9.7	10.5	9.8	9.9	r 7.6	8.2	8.4	9.0	9.4	10.0	p 9.5
<b>NONFARM BUSINESS SECTOR:</b>												
Output per hour of all persons	-0.3	0.0	-3.0	3.8	r-0.4	r 3.6	-1.1	-0.9	-1.2	0.1	r0.1	p 1.0
Output	1.5	1.4	-12.1	2.9	r 7.1	r 7.3	1.3	0.6	-1.9	-1.8	r-0.5	p 1.0
Hours	1.8	1.4	-9.4	-0.9	7.5	r 3.6	2.4	1.5	-0.7	-1.9	r-0.5	p 0.0
Compensation per hour	9.6	9.9	11.2	9.3	9.6	r11.3	9.6	9.4	9.7	10.0	10.0	p10.3
Real compensation per hour	r-4.0	r-5.7	r-1.7	r 1.4	r-2.9	r-0.1	-2.7	r-4.3	r-4.2	-2.5	r-2.3	p-0.8
Unit labor costs	9.9	9.9	14.6	5.3	r10.1	r 7.5	10.9	10.4	11.0	9.9	r 9.9	p 9.3
Unit nonlabor payments	3.3	14.6	4.2	14.9	r10.0	r10.5	3.0	6.4	6.9	9.1	r10.8	p 9.8
Implicit price deflator	7.8	11.3	11.3	8.2	10.0	r 8.4	8.3	9.1	9.7	9.6	10.2	p 9.5
<b>MANUFACTURING:</b>												
Output per hour of all persons	0.1	-0.7	-4.6	-1.1	11.7	r 1.4	-0.1	0.3	-1.7	-1.6	1.1	p 1.7
Output	-0.8	-1.0	-21.4	-7.6	24.2	r 5.9	0.0	-1.1	-6.3	-8.1	-2.8	p-1.1
Hours	-0.9	-0.3	-17.6	-6.6	11.2	r 4.4	0.1	-1.4	-4.7	-6.6	-3.9	p-2.8
Compensation per hour	8.1	10.1	15.5	12.7	r10.2	r10.5	9.4	9.1	9.3	11.6	12.1	p12.2
Real compensation per hour	r-5.4	r-5.6	r 2.1	r 4.6	r-2.4	r-0.8	-2.9	r-4.5	r-4.5	r-1.2	r-0.4	p 0.8
Unit labor costs	8.0	10.8	21.1	14.0	-1.3	r 9.0	9.6	8.8	11.2	13.4	r10.8	p10.4
<b>DURABLE GOODS</b>												
Output per hour of all persons	0.5	-2.5	-3.4	-3.8	13.8	r 2.2	-1.7	-1.2	-2.8	-2.3	0.8	p 2.0
Output	-1.5	-3.0	-25.0	-11.3	29.9	r 6.9	-1.6	-3.0	-8.7	-10.7	-4.3	p-2.0
Hours	-2.0	-0.5	-22.4	-7.8	14.1	r 4.6	0.1	-1.9	-6.0	-8.6	-5.1	p-3.9
Compensation per hour	7.2	12.0	16.5	13.1	r11.2	r10.4	9.2	9.3	9.5	12.2	13.2	p12.8
Real compensation per hour	r-6.2	r-2.9	r 3.0	r 5.0	r-1.5	r-0.9	-3.2	r-4.3	-4.3	-0.6	r 0.6	p 1.3
Unit labor costs	6.7	14.8	20.6	17.6	r-2.3	r 8.0	11.1	10.7	12.7	14.8	r12.3	p10.6
<b>NONDURABLE GOODS</b>												
Output per hour of all persons	-0.6	2.1	-6.9	2.8	8.9	r 0.4	2.4	2.6	-0.1	-0.7	1.6	p 1.1
Output	0.2	2.1	-15.7	-2.0	16.5	r 4.5	2.5	1.9	-2.6	-4.1	-0.4	p 0.1
Hours	0.8	0.0	-9.5	-4.7	7.0	r 4.1	0.1	-0.7	-2.5	-3.4	-2.0	p-1.0
Compensation per hour	10.1	6.6	15.7	12.4	r 7.6	r10.7	9.9	8.9	9.4	11.1	10.5	p11.5
Real compensation per hour	r-3.6	r-8.5	r 2.2	r 4.3	r-4.7	r-0.6	-2.5	-4.7	r-4.4	-1.5	-1.8	p 0.2
Unit labor costs	10.7	4.4	24.3	r 9.3	r-1.2	r10.3	7.3	6.1	9.5	12.0	8.8	p10.3
<b>NONFINANCIAL CORPORATIONS:</b>												
Output per all-employee hour	-2.4	1.2	-0.5	6.9	p-0.1	N.A.	-0.8	-0.6	-0.7	1.2	p 1.8	N.A.
Output	-0.4	2.2	-10.9	3.4	p 7.9	N.A.	1.2	0.4	-2.0	-1.6	p 0.4	N.A.
Hours	2.1	1.0	-10.5	-3.3	p 8.1	N.A.	2.0	1.0	-1.3	-2.8	p-1.4	N.A.
Compensation per hour	8.9	9.8	12.0	10.3	p 9.2	N.A.	9.8	9.5	9.7	10.3	p10.3	N.A.
Real compensation per hour	r-4.6	r-5.7	r-1.0	r 2.3	p-3.2	N.A.	-2.6	r-4.2	-4.1	r-2.3	p-2.0	N.A.
Total unit costs	11.0	9.8	17.0	6.2	p 9.4	N.A.	10.7	10.6	12.0	11.0	p10.5	N.A.
Unit labor costs	11.6	8.6	12.6	3.2	p 9.4	N.A.	10.7	10.1	10.5	8.9	p 8.4	N.A.
Unit nonlabor costs	9.3	13.5	30.6	14.7	p 9.5	N.A.	10.6	12.2	16.3	16.8	p16.8	N.A.
Unit profits	-20.2	15.3	-41.9	30.3	p15.7	N.A.	-15.4	-9.5	-17.2	-8.6	p 0.3	N.A.
Implicit price deflator	7.8	10.3	10.5	7.9	p 9.9	N.A.	7.8	8.5	9.1	9.1	p 9.6	N.A.

p=preliminary.  
r=revised.

NOTE: Data in this table reflect the conversion of the base year from 1967 to 1977 = 100.

**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		
	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P
<b>ALABAMA</b> .....	\$256.07	\$273.93	\$275.02	40.2	39.7	39.8	\$6.37	\$6.90	\$6.91
Birmingham .....	299.03	321.99	319.60	40.3	39.8	39.9	7.42	8.09	8.01
Mobile .....	315.87	338.64	356.15	40.8	39.7	41.9	7.84	8.53	8.50
<b>ALASKA</b> .....	407.21	401.67	(*)	37.6	33.5	(*)	10.83	11.99	(*)
<b>ARIZONA</b> .....	285.32	314.82	310.44	40.3	39.7	39.8	7.08	7.93	7.80
Phoenix .....	281.18	312.78	309.54	40.4	40.1	40.2	6.96	7.80	7.70
Tucson .....	265.24	256.74	255.72	38.0	37.0	37.7	6.98	8.02	7.95
<b>ARKANSAS</b> .....	218.04	239.07	242.96	39.5	39.0	39.7	5.52	6.13	6.12
Fayetteville—Springdale .....	195.29	207.94	215.67	37.7	37.4	39.0	5.18	5.56	5.53
Fort Smith .....	213.72	227.25	236.62	39.0	37.5	38.6	5.48	6.06	6.13
Little Rock—North Little Rock .....	243.94	272.95	274.53	39.6	39.5	39.5	6.16	6.91	6.95
Pine Bluff .....	295.71	309.41	322.51	40.9	41.2	42.1	7.23	7.51	7.67
<b>CALIFORNIA</b> .....	256.11	321.08	327.10	35.8	39.3	39.6	7.44	8.17	8.26
Anaheim—Santa Ana—Garden Grove .....	277.17	312.76	319.12	40.7	40.2	40.6	6.81	7.78	7.86
Bakersfield .....	320.39	364.73	362.03	35.8	41.4	41.0	8.05	8.81	8.83
Fresno .....	278.88	290.70	255.66	40.3	38.3	38.8	6.92	7.59	7.62
Los Angeles—Long Beach .....	282.51	308.07	315.17	40.3	39.7	40.2	7.02	7.76	7.84
Modesto .....	278.10	303.20	292.50	38.2	37.9	36.2	7.28	8.00	8.08
Oxnard—Simi Valley—Ventura .....	261.10	277.59	286.31	39.5	38.5	39.6	6.61	7.21	7.23
Riverside—San Bernardino—Ontario .....	296.04	321.50	329.18	38.8	39.4	39.9	7.63	8.16	8.25
Sacramento .....	307.62	337.95	336.11	38.5	38.8	38.5	7.99	8.71	8.73
Salinas—Seaside—Monterey .....	279.37	323.15	283.85	37.6	35.2	37.3	7.43	7.76	7.61
San Diego .....	275.54	297.11	302.51	38.7	37.8	38.1	7.12	7.86	7.94
San Francisco—Oakland .....	348.08	386.84	350.56	39.6	38.8	38.9	8.79	9.57	10.04
San Jose .....	326.76	340.10	344.60	40.5	39.5	39.7	7.92	8.61	8.68
Santa Barbara—Santa Maria—Lompoc .....	258.31	288.32	286.69	37.6	38.7	38.9	6.87	7.45	7.37
Santa Rosa .....	265.62	251.41	254.51	38.0	38.7	38.7	6.99	7.53	7.61
Stockton .....	317.99	340.86	351.12	39.6	39.0	39.9	8.03	8.74	8.80
Vallejo—Fairfield—Napa .....	310.76	323.51	331.60	38.7	37.1	37.3	8.03	8.72	8.89
<b>COLORADO</b> .....	298.62	312.84	316.79	40.3	39.4	39.5	7.41	7.94	8.02
Denver—Boulder .....	295.54	311.63	314.40	40.1	39.1	39.3	7.37	7.97	8.00
<b>CONNECTICUT</b> .....	250.76	313.92	316.01	42.2	41.8	41.8	6.89	7.51	7.56
Bridgeport .....	306.56	329.13	331.62	43.3	42.8	42.9	7.08	7.69	7.73
Hartford .....	318.12	336.04	337.74	42.7	41.9	41.8	7.45	8.02	8.08
New Britain .....	299.75	326.83	330.07	42.7	42.5	42.7	7.02	7.69	7.73
New Haven—West Haven .....	279.35	281.06	286.44	40.9	39.2	39.4	6.83	7.17	7.27
Stamford .....	279.94	287.82	287.29	43.2	41.0	41.1	6.48	7.02	6.99
Waterbury .....	247.80	272.63	267.54	41.3	42.4	42.0	6.00	6.43	6.37
<b>DELAWARE</b> .....	299.55	308.07	324.00	40.1	39.7	40.5	7.47	7.76	8.00
Wilmington .....	337.60	355.81	375.72	40.0	39.8	40.4	8.44	8.94	9.30
<b>DISTRICT OF COLUMBIA:</b>									
Washington SMSA .....	322.38	333.89	339.50	39.8	38.6	38.8	8.10	8.65	8.75
<b>FLORIDA</b> .....	237.22	258.32	255.78	40.9	41.2	40.6	5.80	6.27	6.30
Fort Lauderdale—Hollywood .....	224.11	240.40	239.40	43.6	40.2	40.1	5.52	5.98	5.97
Jacksonville .....	270.28	305.21	300.35	40.4	41.3	41.2	6.65	7.39	7.29
Lakeland—Winter Haven .....	264.32	304.00	285.48	44.8	46.2	42.8	5.90	6.58	6.67
Miami .....	206.04	221.50	224.72	40.4	40.2	40.2	5.10	5.51	5.59
Orlando .....	258.52	277.68	268.52	42.1	42.2	40.5	6.15	6.58	6.63
Pensacola .....	287.64	309.95	320.46	40.8	41.0	42.0	7.05	7.56	7.63
Tampa—St. Petersburg .....	239.98	262.67	257.04	40.4	41.3	40.8	5.94	6.36	6.30
West Palm Beach—Boca Raton .....	285.58	287.99	287.00	43.6	41.2	41.0	6.55	6.99	7.00
<b>GEORGIA</b> .....	225.84	245.41	250.04	40.4	40.1	40.2	5.59	6.12	6.22
Atlanta .....	255.32	282.17	288.75	39.1	39.3	39.5	6.53	7.18	7.31
Savannah .....	308.88	342.78	342.43	43.2	43.5	43.4	7.15	7.88	7.89
<b>HAWAII</b> .....	260.25	269.80	301.64	37.5	39.5	39.9	6.94	7.59	7.56
Honolulu .....	266.54	282.00	289.54	37.7	37.5	38.4	7.05	7.52	7.54
<b>IDAHO</b> .....	263.71	288.04	288.77	37.3	36.6	36.6	7.07	7.87	7.89
Boise City .....	223.73	266.32	273.26	35.4	37.3	37.9	6.32	7.14	7.21

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		
	MAR. 1980	FEE. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P
<b>ILLINOIS</b>	\$311.12	\$329.21	\$350.88	40.3	38.9	40.1	\$7.72	\$8.72	\$8.75
Bloomington—Normal	283.56	279.51	307.71	41.7	36.3	39.0	6.80	7.70	7.89
Champaign—Urbana—Rantoul	205.77	302.25	305.71	28.9	38.9	38.6	7.12	7.77	7.62
Chicago SMSA	292.80	308.39	315.59	40.0	38.5	39.4	7.32	8.01	8.02
Davenport—Rock Island—Moline	348.17	391.93	412.24	38.6	38.5	39.6	5.02	10.18	10.41
Decatur	315.15	381.47	390.43	36.1	38.3	39.2	8.73	9.96	9.96
Kankakee	254.51	295.89	252.19	38.1	39.4	38.7	6.68	7.51	7.55
Peoria	391.23	407.96	438.45	40.5	37.6	39.5	5.66	10.85	11.10
Rockford	304.56	326.93	340.80	40.5	39.2	40.0	7.52	8.34	8.52
Springfield	292.21	346.50	365.46	37.9	39.6	40.6	7.71	8.75	9.10
<b>INDIANA</b>	329.18	361.69	370.58	39.9	39.4	40.5	8.25	9.18	9.16
Gary—Hammond—East Chicago	438.62	509.20	(*)	40.5	40.9	(*)	10.83	12.45	(*)
Indianapolis	328.46	360.28	(*)	40.5	40.3	(*)	8.11	8.94	(*)
<b>IOWA</b>	335.24	356.90	364.17	40.1	38.5	39.2	8.36	5.27	5.29
Cedar Rapids	342.79	361.03	367.35	41.5	39.2	39.8	8.26	9.21	9.23
Des Moines	344.67	354.00	372.62	38.8	37.5	39.1	8.66	5.44	5.53
Dubuque	401.79	420.03	421.08	39.9	39.7	39.8	10.07	10.58	10.58
Sioux City	312.16	334.09	328.05	41.4	40.3	40.4	7.54	8.29	8.12
Waterloo—Cedar Falls	427.46	446.64	469.32	41.3	36.7	38.5	10.35	12.17	12.19
<b>KANSAS</b>	287.43	307.28	313.75	40.2	39.7	40.8	7.15	7.74	7.69
Topeka	299.20	320.97	321.58	40.0	39.0	39.8	7.48	8.23	8.09
Wichita	314.36	344.57	356.55	40.2	40.3	41.8	7.82	8.55	8.53
<b>KENTUCKY</b>	275.87	301.84	307.23	38.8	39.2	39.9	7.11	7.70	7.70
Lexington—Fayette	274.70	299.00	303.72	38.8	37.8	38.3	7.08	7.91	7.93
Louisville	307.89	352.51	364.00	38.2	39.3	40.4	8.06	8.57	5.01
<b>LOUISIANA</b>	303.81	341.09	351.09	41.0	40.8	41.5	7.41	8.36	8.46
Baton Rouge	409.16	432.64	441.21	42.4	41.6	41.9	9.65	10.40	10.53
New Orleans	318.86	326.19	348.55	42.8	40.8	42.4	7.45	8.24	8.23
Shreveport	271.88	292.87	298.62	40.1	39.9	40.3	6.78	7.34	7.41
<b>MAINE</b>	229.70	257.20	260.58	39.4	40.0	40.4	5.83	6.43	6.45
Lewiston—Auburn	190.64	202.50	205.80	37.9	37.5	37.9	5.03	5.40	5.43
Portland	219.74	245.94	244.52	39.1	39.1	39.0	5.62	6.29	6.28
<b>MARYLAND</b>	292.79	318.79	324.00	39.3	39.7	40.0	7.45	8.03	8.10
Baltimore	311.15	340.20	344.73	40.2	40.5	40.7	7.74	8.40	8.47
<b>MASSACHUSETTS</b>	252.49	275.77	277.09	39.7	40.2	40.1	6.36	6.86	6.91
Boston	274.33	(*)	(*)	39.7	(*)	(*)	6.91	(*)	(*)
Brockton	196.32	217.17	(*)	37.9	39.2	(*)	5.18	5.54	(*)
Fall River	189.86	207.26	206.22	37.3	38.1	37.7	5.09	5.44	5.47
Lawrence—Haverhill	269.04	283.50	(*)	41.2	40.5	(*)	6.53	7.00	(*)
Lowell	225.71	(*)	(*)	40.3	(*)	(*)	5.70	(*)	(*)
New Bedford	217.93	225.55	(*)	38.3	38.1	(*)	5.69	5.92	(*)
Springfield—Chicopee—Holyoke	258.67	277.30	277.71	40.8	40.9	40.9	6.34	6.78	6.79
Worcester	256.07	276.50	(*)	39.7	39.5	(*)	6.45	7.00	(*)
<b>MICHIGAN</b>	(*)	395.38	419.47	(*)	39.1	41.0	(*)	10.11	10.23
Ann Arbor	(*)	416.72	463.14	(*)	39.0	41.8	(*)	10.69	11.08
Battle Creek	(*)	395.79	357.64	(*)	40.3	40.6	(*)	5.82	9.79
Bay City	(*)	358.00	365.54	(*)	39.1	40.2	(*)	9.16	9.09
Detroit	(*)	422.24	454.45	(*)	39.3	41.8	(*)	10.74	10.87
Flint	(*)	452.56	481.32	(*)	39.2	41.2	(*)	11.56	11.69
Grand Rapids	(*)	325.80	343.19	(*)	38.8	40.6	(*)	8.40	8.45
Jackson	(*)	379.35	386.40	(*)	42.3	43.0	(*)	8.57	8.99
Kalamazoo—Portage	(*)	383.24	413.52	(*)	39.9	42.0	(*)	9.61	9.84
Lansing—East Lansing	(*)	417.68	439.25	(*)	37.2	38.1	(*)	11.23	11.53
Muskegon—Norton Shores—Muskegon Heights	(*)	362.14	364.83	(*)	39.8	40.7	(*)	9.10	8.96
Saginaw	(*)	474.06	506.08	(*)	39.8	42.1	(*)	11.91	12.02
<b>MINNESOTA</b>	294.52	321.53	322.32	39.8	39.5	39.5	7.40	8.14	8.16
Duluth—Superior	265.42	298.58	295.34	38.3	37.7	37.7	6.93	7.52	7.94
Minneapolis—St. Paul	310.02	335.83	341.02	39.9	39.7	39.7	7.77	8.56	8.59
St. Cloud	209.57	238.83	247.31	34.3	36.8	37.7	6.11	6.49	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		
	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P
<b>MISSISSIPPI</b> .....	\$210.65	\$230.30	\$234.62	39.3	39.1	39.3	\$5.36	\$5.89	\$5.97
Jackson.....	238.14	251.54	256.07	41.2	39.8	40.2	5.78	6.32	6.37
<b>MISSOURI</b> .....	279.82	289.18	301.08	39.3	37.9	39.0	7.12	7.63	7.72
Kansas City.....	320.36	329.80	341.99	39.6	38.8	39.4	8.09	8.50	8.68
St. Joseph.....	267.18	280.24	284.20	39.7	38.6	39.2	6.73	7.26	7.25
St. Louis.....	317.60	321.85	340.65	39.8	38.1	39.2	7.98	8.71	8.69
Springfield.....	260.82	287.68	300.94	40.5	39.3	41.0	6.44	7.32	7.34
<b>MONTANA</b> .....	391.30	378.29	375.58	43.0	42.6	42.2	9.10	8.88	8.90
<b>NEBRASKA</b> .....	286.23	311.66	317.56	40.6	39.5	40.3	7.05	7.89	7.88
Lincoln.....	266.70	282.00	283.12	38.1	37.5	37.8	7.00	7.52	7.49
Omaha.....	285.87	314.24	318.72	39.0	38.7	39.3	7.33	8.12	8.11
<b>NEVADA</b> .....	283.48	306.46	317.51	38.0	38.5	38.3	7.46	7.96	8.29
Las Vegas.....	361.00	384.54	(*)	40.2	39.4	(*)	8.98	9.76	(*)
<b>NEW HAMPSHIRE</b> .....	219.96	251.10	249.64	39.0	40.5	40.2	5.64	6.20	6.21
Manchester.....	199.88	234.43	222.83	37.5	39.4	39.0	5.33	5.95	5.97
Nashua.....	247.42	284.54	278.76	40.1	41.0	40.4	6.17	6.94	6.90
<b>NEW JERSEY</b> .....	(*)	316.88	320.02	(*)	41.1	41.4	(*)	7.71	7.73
Atlantic City.....	(*)	230.39	229.03	(*)	37.1	37.0	(*)	6.21	6.19
Camden <sup>2</sup> .....	(*)	314.57	313.10	(*)	40.8	40.4	(*)	7.71	7.75
Hackensack <sup>3</sup> .....	(*)	275.40	278.66	(*)	40.5	40.8	(*)	6.80	6.83
Jersey City <sup>1</sup> .....	(*)	308.90	302.17	(*)	41.8	41.0	(*)	7.39	7.37
New Brunswick—Perth Amboy—Sayreville. <sup>3</sup>	(*)	364.20	371.94	(*)	42.3	42.9	(*)	8.61	8.67
Newark <sup>3</sup> .....	(*)	325.27	336.07	(*)	41.7	41.8	(*)	8.04	8.04
Paterson—Clifton—Passaic <sup>3</sup>	(*)	309.21	310.98	(*)	42.3	42.6	(*)	7.31	7.30
Trenton.....	(*)	326.56	343.71	(*)	38.6	40.2	(*)	8.46	8.55
<b>NEW MEXICO</b> .....	224.47	243.49	247.33	39.8	39.4	39.7	5.64	6.18	6.23
Albuquerque.....	244.11	250.48	255.84	41.8	40.4	39.3	5.84	6.20	6.68
<b>NEW YORK</b> .....	275.32	303.36	305.29	39.5	39.5	39.7	6.97	7.68	7.69
Albany—Schenectady—Troy.....	251.45	317.19	322.77	40.2	40.1	40.6	7.25	7.91	7.95
Binghamton.....	261.29	288.52	291.33	40.7	41.1	41.5	6.42	7.02	7.02
Buffalo.....	362.70	392.80	398.78	40.3	40.0	40.2	9.00	9.82	9.92
Elmira.....	277.02	306.41	300.35	40.5	40.8	40.1	6.84	7.51	7.40
Monroe County <sup>4</sup> .....	363.08	421.10	417.49	41.4	41.9	41.5	8.77	10.05	10.06
Nassau—Suffolk <sup>5</sup> .....	263.48	285.60	292.58	39.8	40.0	40.3	6.62	7.24	7.25
New York—Northeastern New Jersey	265.59	298.41	(*)	39.7	39.7	(*)	6.69	7.29	(*)
New York and Nassau—Suffolk <sup>3</sup>	242.44	262.89	266.11	38.3	38.1	38.4	6.33	6.90	6.93
New York SMSA <sup>5</sup> .....	237.50	255.00	258.86	38.0	37.5	37.9	6.25	6.80	6.83
New York City <sup>6</sup> .....	233.25	250.43	254.25	37.5	37.1	37.5	6.22	6.75	6.78
Poughkeepsie.....	267.45	308.67	318.00	40.4	42.4	42.4	6.62	7.28	7.50
Rochester.....	341.95	397.40	393.05	41.1	41.7	41.2	8.32	9.53	9.54
Rockland County <sup>6</sup> .....	271.73	293.76	292.22	40.8	40.8	41.1	6.66	7.20	7.11
Syracuse.....	304.47	330.47	331.68	41.2	40.9	41.1	7.39	8.08	8.07
Utica—Rome.....	261.36	282.27	288.23	39.6	39.7	40.2	6.60	7.11	7.17
Westchester County <sup>6</sup> .....	263.27	297.67	303.26	41.2	41.4	41.6	6.39	7.19	7.20
<b>NORTH CAROLINA</b> .....	209.20	226.76	226.18	40.0	39.3	39.2	5.23	5.77	5.77
Asheville.....	203.81	218.96	219.91	40.2	39.1	39.2	5.07	5.60	5.61
Charlotte—Gastonia.....	212.79	238.68	237.51	41.0	40.8	40.6	5.19	5.85	5.85
Greensboro—Winston-Salem—High Point	228.00	252.01	244.68	40.0	39.5	38.9	5.72	6.39	6.29
Raleigh—Durham.....	237.79	257.67	253.33	39.5	39.1	38.5	6.02	6.59	6.58
<b>NORTH DAKOTA</b> .....	230.51	255.62	260.85	37.0	37.1	37.0	6.23	6.89	7.05
Fargo—Moorhead.....	250.76	271.16	285.30	36.5	36.3	37.1	6.87	7.47	7.69
<b>OHIO</b> .....	339.05	374.33	381.71	40.8	40.6	41.0	8.31	9.22	9.31
Akron.....	347.78	382.63	387.90	41.6	41.5	41.8	8.36	9.22	9.29
Canton.....	342.68	382.00	382.80	39.8	40.0	40.0	8.61	9.55	9.57
Cincinnati.....	324.21	349.73	352.64	41.3	41.0	41.1	7.85	8.53	8.58
Cleveland.....	345.22	381.71	388.75	41.0	41.0	41.4	8.42	9.31	9.39
Columbus.....	297.04	329.51	335.64	39.5	39.7	40.1	7.52	8.30	8.37
Dayton.....	350.69	379.25	386.69	41.6	41.0	41.5	8.43	9.25	9.39
Toledo.....	345.42	380.95	393.60	40.4	40.1	41.0	8.55	9.50	9.60
Youngstown—Warren.....	395.41	464.06	475.94	39.7	40.6	41.1	9.96	11.43	11.58

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		
	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P
<b>OKLAHOMA</b> .....	\$288.86	\$215.21	\$329.26	40.4	39.5	40.8	\$7.15	\$7.98	\$8.07
Oklahoma City .....	317.65	227.27	349.20	41.2	39.1	40.0	7.71	8.37	8.73
Tulsa .....	298.80	335.67	348.17	40.0	40.2	41.4	7.47	8.35	8.41
<b>OREGON</b> .....	319.87	346.09	(*)	38.4	37.7	(*)	8.33	9.18	(*)
Eugene—Springfield .....	347.69	375.48	371.06	39.6	39.4	39.1	8.78	9.53	9.49
Jackson County .....	324.23	345.45	(*)	39.3	39.3	(*)	8.25	8.79	(*)
Portland .....	322.97	346.50	348.00	39.1	37.5	37.5	8.26	9.24	9.28
Salem .....	293.02	332.50	331.56	36.4	36.7	36.6	8.05	9.06	9.07
<b>PENNSYLVANIA</b> <sup>1</sup> .....	286.03	318.30	321.53	38.6	39.2	39.5	7.41	8.12	8.14
Allentown—Bethlehem—Easton <sup>1</sup> .....	287.25	318.72	322.56	37.5	38.4	38.4	7.66	8.30	8.40
Altoona <sup>1</sup> .....	257.13	268.66	274.51	38.9	38.0	38.5	6.61	7.07	7.13
Delaware Valley <sup>1, 7</sup> .....	295.50	324.79	328.00	39.4	39.9	40.0	7.50	8.14	8.20
Erie <sup>1</sup> .....	308.02	326.19	340.72	41.4	40.8	41.1	7.44	8.24	8.29
Harrisburg <sup>1</sup> .....	285.93	304.97	304.84	40.5	40.5	40.7	7.06	7.53	7.49
Johnstown <sup>1</sup> .....	304.22	312.32	320.66	37.1	36.7	37.2	8.20	8.51	8.62
Lancaster <sup>1</sup> .....	256.80	278.80	281.60	40.0	40.0	40.0	6.42	6.57	7.04
Northeast Pennsylvania <sup>1</sup> .....	203.70	222.88	224.11	35.8	36.3	36.5	5.69	6.14	6.14
Philadelphia SMSA <sup>1</sup> .....	293.38	322.80	325.61	39.7	40.0	40.1	7.39	8.07	9.12
Pittsburgh <sup>1</sup> .....	357.70	402.57	415.75	39.7	40.5	41.7	9.01	9.94	9.97
Reading <sup>1</sup> .....	269.40	302.65	302.35	39.1	40.3	40.1	6.89	7.51	7.54
Scranton <sup>1, 8</sup> .....	198.09	219.47	220.29	35.5	36.7	36.9	5.58	5.98	5.97
Wilkes-Barre—Hazleton <sup>1, 9</sup> .....	206.28	224.02	226.61	36.0	35.9	36.2	5.73	6.24	6.26
Williamsport <sup>1</sup> .....	263.50	295.89	300.05	38.3	39.4	39.9	6.88	7.51	7.52
York <sup>1</sup> .....	262.68	287.03	296.53	37.5	40.2	40.9	6.65	7.14	7.25
<b>RHODE ISLAND</b> .....	216.31	235.82	237.80	39.4	39.7	39.7	5.40	5.94	5.99
Providence—Warwick—Pawtucket .....	214.03	235.22	236.81	39.2	39.8	39.8	5.46	5.91	5.95
<b>SOUTH CAROLINA</b> .....	220.59	241.78	242.19	40.7	40.5	40.6	5.42	5.57	5.99
Charleston—North Charleston .....	252.23	273.78	282.82	40.1	40.5	41.8	6.29	6.76	6.79
Columbia .....	216.68	231.66	231.87	40.2	39.6	39.3	5.39	5.85	5.90
Greenville—Spartanburg .....	217.88	222.07	234.23	40.2	39.4	39.7	5.42	5.89	5.90
<b>SOUTH DAKOTA</b> .....	239.29	256.44	285.80	39.1	42.9	41.3	6.12	6.91	6.92
Rapid City .....	190.34	260.24	244.30	30.9	38.9	34.9	6.16	6.69	7.00
Sioux Falls .....	302.59	423.84	416.25	39.4	49.3	45.0	7.68	8.80	9.25
<b>TENNESSEE</b> .....	233.24	255.31	256.46	39.6	39.4	39.7	5.89	6.48	6.46
Chattanooga .....	239.78	259.84	263.22	41.2	40.6	41.0	5.82	6.40	6.42
Knoxville .....	268.65	286.77	253.38	39.8	38.7	39.7	6.75	7.41	7.39
Memphis .....	255.42	295.94	301.25	39.6	40.1	40.6	6.45	7.38	7.42
Nashville—Davidson .....	248.14	276.69	275.90	39.2	40.1	40.1	6.33	6.90	6.98
<b>TEXAS</b> .....	282.08	314.71	315.55	41.3	41.3	41.3	6.83	7.62	7.65
Abilene .....	196.65	209.75	222.30	42.2	41.7	45.0	4.66	5.03	4.94
Amarillo .....	280.06	321.09	321.37	41.8	41.7	41.9	6.70	7.07	7.67
Austin .....	231.38	240.76	243.82	42.3	40.6	40.3	5.47	5.93	6.05
Beaumont—Port Arthur—Orange .....	457.92	440.41	462.09	42.2	42.8	43.8	10.60	10.29	10.55
Corpus Christi .....	298.96	341.97	338.05	40.4	42.8	42.9	7.40	7.99	7.88
Dallas—Fort Worth .....	264.31	292.01	296.39	40.6	40.5	41.1	6.51	7.21	7.26
El Paso .....	199.69	213.14	212.72	39.7	42.8	43.5	5.03	4.98	4.89
Galveston—Texas City .....	424.44	480.39	459.73	42.7	42.4	42.1	9.94	11.33	10.92
Houston .....	375.26	392.37	392.73	44.2	43.5	43.3	8.49	9.02	9.07
Longview—Marshall .....	292.00	314.88	312.12	40.0	41.0	40.8	7.30	7.68	7.65
Lubbock .....	219.78	250.08	249.48	40.7	41.2	41.1	5.40	6.07	6.07
San Angelo .....	194.17	210.79	208.15	40.2	39.4	39.2	4.83	5.35	5.31
San Antonio .....	202.21	229.19	232.78	41.1	41.0	41.2	4.92	5.59	5.65
Sherman—Denison .....	246.24	271.74	(*)	40.7	38.6	(*)	6.05	7.04	(*)
Waco .....	242.26	253.92	263.09	38.7	39.8	40.6	6.26	6.38	6.48
Wichita Falls .....	264.45	277.85	277.78	41.0	40.8	40.2	6.45	6.81	6.91
<b>UTAH</b> .....	268.42	294.62	285.64	39.3	39.6	39.3	6.83	7.44	7.37
Salt Lake City—Ogden .....	256.36	282.98	287.04	39.5	40.6	40.6	6.49	6.97	7.07
<b>VERMONT</b> .....	240.94	269.30	269.43	40.7	40.9	40.7	5.92	6.56	6.62
Burlington .....	261.67	255.32	298.92	41.8	42.8	42.4	6.26	6.90	7.05
Springfield .....	284.62	310.65	316.19	42.8	41.2	42.2	6.65	7.54	7.54

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		
	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P
<b>VIRGINIA</b> .....	\$234.02	\$260.57	\$263.67	39.2	39.6	39.8	\$5.97	\$6.58	\$6.63
Bristol .....	198.52	235.60	218.89	36.9	38.0	37.1	5.38	6.20	5.90
Lynchburg .....	232.83	262.35	264.79	39.0	40.3	40.8	5.97	6.51	6.49
Norfolk—Virginia Beach—Portsmouth .....	264.39	272.95	292.74	40.8	40.8	41.0	6.48	6.69	7.14
Northern Virginia <sup>10</sup> .....	269.56	294.48	285.68	39.7	40.9	39.9	6.79	7.20	7.16
Petersburgh—Colonial Heights—Hopewell .....	274.77	302.59	310.02	38.7	39.4	39.9	7.10	7.68	7.77
Richmond .....	301.78	348.13	352.46	39.5	40.2	40.7	7.64	8.66	8.66
Roanoke .....	216.55	241.64	246.40	38.6	39.1	40.0	5.61	6.18	6.16
<b>WASHINGTON</b> .....	352.29	396.24	395.90	39.1	39.0	38.7	9.01	10.16	10.23
Seattle—Everett .....	358.29	410.57	406.22	39.2	39.9	40.3	9.14	10.29	10.08
Spokane .....	322.37	357.02	355.98	38.7	37.9	38.5	8.33	9.42	9.35
Tacoma .....	339.07	357.39	352.27	37.6	36.1	38.8	8.97	9.90	10.11
<b>WEST VIRGINIA</b> .....	309.29	340.42	335.47	39.3	39.4	39.7	7.87	8.64	8.45
Charleston .....	352.29	292.60	393.65	41.3	41.9	41.7	8.53	9.37	9.44
Huntington—Ashland .....	345.39	348.28	383.13	39.7	40.7	40.5	8.70	9.54	9.46
Parkersburg—Marietta .....	321.55	365.56	361.55	40.6	41.4	40.9	7.92	8.83	8.84
Wheeling .....	335.60	382.76	382.76	40.0	39.5	39.5	8.39	9.69	9.69
<b>WISCONSIN</b> .....	317.57	338.68	345.03	40.6	39.4	40.2	7.84	8.59	8.57
Appleton—Oshkosh .....	309.32	346.98	346.98	41.2	42.1	41.9	7.52	8.24	8.29
Eau Claire .....	281.19	328.87	342.54	40.8	40.2	41.6	6.89	8.19	8.25
Green Bay .....	327.50	350.96	366.31	41.7	41.2	42.1	7.85	8.52	8.71
Janeville—Beloit .....	301.80	361.55	325.45	39.2	39.1	40.9	7.70	9.24	7.96
Kenosha .....	371.11	359.50	370.81	40.1	39.1	40.1	9.25	9.19	9.25
La Crosse .....	269.37	293.38	296.09	40.3	40.1	40.8	6.68	7.31	7.25
Madison .....	310.51	327.20	329.81	39.1	38.7	39.1	7.95	8.45	8.43
Milwaukee .....	347.87	370.60	379.32	40.5	39.2	40.1	8.59	9.46	9.45
Racine .....	342.27	357.70	369.62	41.0	39.3	40.2	8.35	9.10	9.23
<b>WYOMING</b> .....	264.04	302.64	311.65	37.6	38.9	39.7	7.06	7.78	7.85
<b>VIRGIN ISLAND</b> .....	290.68	343.94	338.97	41.5	43.1	41.9	6.99	7.98	8.09

<sup>1</sup> Revised to 1980 benchmark; not strictly comparable with previously published data.  
<sup>2</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.  
<sup>3</sup> Subarea of New York—Northeastern New Jersey.  
<sup>4</sup> Subarea of Rochester Standard Metropolitan Statistical Area.  
<sup>5</sup> Area included in New York and Nassau-Suffolk combined SMSA's.  
<sup>6</sup> Subarea of New York Standard Metropolitan Statistical Area.  
<sup>7</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

<sup>8</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.  
<sup>9</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.  
<sup>10</sup> 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.
<b>Total accessions</b>													
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	P3.4									
<b>New hires</b>													
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	P2.0									
<b>Recalls</b>													
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	.7	.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	P1.1									
<b>Total separations</b>													
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	P3.2									
<b>Quits</b>													
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	P1.2									
<b>Layoffs</b>													
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	P1.2									

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	
		Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P
-	<b>MANUFACTURING</b> .....	3.0	3.4	1.8	2.0	1.0	1.1	3.1	3.2	1.1	1.2	1.2	1.2
24, 25, 32-39	<b>DURABLE GOODS</b> .....	2.8	3.2	1.6	1.8	1.0	1.1	2.9	2.9	.9	1.0	1.2	1.1
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	3.2	3.6	2.1	2.3	1.0	1.1	3.3	3.5	1.4	1.5	1.3	1.3
	<b>DURABLE GOODS</b>												
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	4.5	5.4	2.7	3.0	1.7	2.1	4.8	4.9	1.8	2.0	2.3	2.0
242	Sawmills and planing mills .....	3.8	-	2.0	-	1.6	-	4.2	-	1.5	-	2.1	-
2421	Sawmills and planing mills, general .....	3.3	-	1.5	-	1.5	-	3.9	-	1.2	-	2.1	-
243	Millwork, plywood, and structural members .....	4.1	-	2.9	-	1.0	-	4.4	-	1.7	-	2.0	-
2431	Millwork .....	3.5	-	2.4	-	1.1	-	3.4	-	1.4	-	1.4	-
244	Wooden containers .....	4.9	-	3.1	-	1.5	-	4.2	-	2.1	-	1.5	-
245	Wood buildings and mobile homes .....	8.6	-	5.0	-	3.5	-	7.6	-	4.0	-	2.4	-
2451	Mobile homes .....	10.9	-	6.3	-	4.5	-	9.2	-	5.2	-	2.6	-
249	Miscellaneous wood products .....	4.1	-	3.2	-	.8	-	3.0	-	1.5	-	.6	-
25	<b>FURNITURE AND FIXTURES</b> .....	3.4	4.0	2.5	2.9	.7	.9	3.5	4.0	1.6	2.0	1.0	1.0
251	Household furniture .....	3.7	-	2.9	-	.6	-	3.7	-	1.9	-	.8	-
2511	Wood household furniture .....	3.4	-	2.9	-	.3	-	3.5	-	2.0	-	.7	-
2512	Upholstered household furniture .....	3.6	-	2.7	-	.8	-	3.3	-	1.7	-	.5	-
2515	Mattresses and bedsprings .....	3.5	-	3.0	-	.4	-	3.2	-	1.5	-	.9	-
252	Office furniture .....	2.2	-	1.9	-	.3	-	2.5	-	1.1	-	.8	-
254	Partitions and fixtures .....	3.5	-	1.8	-	1.6	-	3.9	-	1.3	-	2.0	-
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	3.2	4.4	1.5	1.7	1.5	2.5	3.5	3.3	.9	1.0	1.9	1.6
322	Glass and glassware, pressed or blown .....	3.0	-	.5	-	2.1	-	3.5	-	.5	-	2.0	-
3221	Glass containers .....	2.3	-	.4	-	1.6	-	3.8	-	.6	-	2.4	-
3229	Pressed and blown glass, nec .....	3.9	-	.6	-	2.8	-	3.1	-	.3	-	1.6	-
323	Products of purchased glass .....	2.9	-	1.5	-	1.3	-	2.7	-	.8	-	1.3	-
324	Cement, hydraulic .....	2.1	-	.7	-	1.3	-	2.6	-	.2	-	2.1	-
325	Structural clay products .....	4.7	-	1.9	-	2.6	-	5.1	-	1.4	-	2.8	-
326	Pottery and related products .....	2.7	-	1.6	-	.9	-	2.2	-	.9	-	.8	-
327	Concrete, gypsum, and plaster products .....	4.1	-	2.8	-	1.3	-	5.1	-	1.6	-	2.8	-
329	Misc. nonmetallic mineral products .....	2.5	-	1.1	-	1.3	-	2.6	-	.7	-	1.3	-
33	<b>PRIMARY METAL INDUSTRIES</b> .....	2.5	2.6	.8	1.0	1.5	1.4	2.6	2.3	.5	.5	1.3	1.1
331	Blast furnace and basic steel products .....	2.8	-	.5	-	2.1	-	2.5	-	.2	-	1.1	-
3312	Blast furnaces and steel mills .....	2.9	-	.3	-	2.2	-	2.5	-	.1	-	1.2	-
332	Iron and steel foundries .....	3.0	-	1.2	-	1.3	-	3.5	-	.9	-	1.9	-
3321	Gray iron foundries .....	2.8	-	1.1	-	1.0	-	4.0	-	1.0	-	2.4	-
3325	Steel foundries, nec .....	4.0	-	1.5	-	2.4	-	3.1	-	.8	-	1.3	-
333	Primary nonferrous metals .....	.7	-	.4	-	.2	-	.9	-	.2	-	.2	-
335	Nonferrous rolling and drawing .....	1.8	-	1.0	-	.7	-	2.2	-	.5	-	1.1	-
3351	Copper rolling and drawing .....	2.5	-	1.8	-	.7	-	2.1	-	.6	-	.5	-
3353	Aluminum sheet, plate, and foil .....	1.3	-	.5	-	.7	-	1.5	-	.2	-	.9	-
3357	Nonferrous wire drawing and insulating .....	1.4	-	.8	-	.5	-	3.0	-	.4	-	1.9	-
336	Nonferrous foundries .....	3.2	-	1.8	-	1.3	-	3.5	-	1.0	-	1.8	-
3361	Aluminum foundries .....	3.2	-	1.7	-	1.4	-	4.5	-	.9	-	2.9	-
34	<b>FABRICATED METAL PRODUCTS</b> .....	3.2	3.9	1.7	2.0	1.2	1.5	3.2	3.2	1.0	1.1	1.4	1.3
341	Metal cans and shipping containers .....	3.6	-	.9	-	2.2	-	3.9	-	.5	-	2.5	-
3411	Metal cans .....	3.7	-	.8	-	2.4	-	4.1	-	.4	-	2.8	-
342	Cutlery, hand tools, and hardware .....	2.5	-	1.2	-	.7	-	2.6	-	.8	-	1.3	-
3423, 5	Hand and edge tools, and hand saws and blades .....	2.0	-	1.2	-	.8	-	2.6	-	.7	-	1.3	-
3429	Hardware, nec .....	2.8	-	1.2	-	.6	-	2.6	-	.8	-	1.3	-
343	Plumbing and heating, except electric .....	3.6	-	2.1	-	1.4	-	3.0	-	.8	-	1.7	-
344	Fabricated structural metal products .....	3.1	-	1.9	-	1.1	-	3.5	-	1.2	-	1.5	-
3441	Fabricated structural metal .....	4.1	-	2.4	-	1.5	-	4.2	-	1.3	-	1.8	-
3442	Metal doors, sash, and trim .....	3.3	-	1.9	-	1.3	-	4.7	-	1.4	-	2.4	-
3443	Fabricated plate work (boiler shops) .....	2.0	-	1.3	-	.5	-	2.2	-	.9	-	.8	-
3444	Sheet metal work .....	3.4	-	2.0	-	1.4	-	3.8	-	1.4	-	1.7	-
345	Screw machine products, bolts, etc. ....	2.8	-	1.9	-	.8	-	2.3	-	1.2	-	.5	-
3451	Screw machine products .....	3.2	-	2.2	-	1.0	-	2.5	-	1.5	-	.4	-
3452	Bolts, nuts, rivets, and washers .....	2.4	-	1.6	-	.7	-	2.2	-	.9	-	.5	-
346	Metal forgings and stampings .....	3.6	-	1.3	-	1.6	-	3.5	-	.9	-	1.7	-
3462	Iron and steel forgings .....	3.4	-	1.7	-	1.6	-	2.9	-	1.0	-	.6	-
3465	Automotive stampings .....	4.4	-	.2	-	2.3	-	5.0	-	.8	-	3.2	-
3469	Metal stampings, nec .....	3.2	-	2.0	-	1.2	-	2.8	-	1.0	-	1.0	-
347	Metal services, nec .....	4.1	-	2.8	-	1.1	-	3.9	-	1.6	-	1.5	-
348	Ordnance and accessories, nec .....	1.7	-	.9	-	.6	-	2.5	-	.6	-	1.4	-
349	Misc. fabricated metal products .....	3.4	-	2.0	-	1.1	-	2.5	-	.9	-	1.0	-
3494	Valves and pipe fittings .....	3.1	-	1.5	-	1.2	-	2.0	-	.7	-	.9	-
3496	Misc. fabricated wire products .....	4.6	-	3.1	-	1.5	-	3.6	-	1.3	-	1.5	-

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	
		Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	2.4	2.4	1.5	1.6	0.7	0.6	2.2	2.1	0.8	0.8	0.8	0.7
351	Engines and turbines	2.2	-	.8	-	.7	-	2.7	-	.3	-	1.5	-
3511	Turbines and turbine generator sets	1.5	-	.8	-	.1	-	1.2	-	.2	-	.2	-
3519	Internal combustion engines, nec	2.4	-	.8	-	1.0	-	3.3	-	.3	-	2.1	-
352	Farm and garden machinery	2.6	-	1.2	-	1.1	-	2.3	-	.6	-	1.2	-
3523	Farm machinery and equipment	2.7	-	1.3	-	1.0	-	2.0	-	.6	-	.8	-
353	Construction and related machinery	2.4	-	1.6	-	.6	-	2.0	-	.7	-	.7	-
3531	Construction machinery	1.9	-	.7	-	1.0	-	1.7	-	.4	-	.7	-
3533	Oil field machinery	3.5	-	3.3	-	(1)	-	1.8	-	1.2	-	(1)	-
354	Metalworking machinery	2.1	-	1.5	-	.4	-	2.2	-	.8	-	.7	-
3541	Machine tools, metal cutting types	1.2	-	1.0	-	.2	-	1.2	-	.5	-	.2	-
3544	Special dies, tools, jigs, and fixtures	3.2	-	2.4	-	.4	-	2.8	-	1.2	-	.9	-
3545	Machine tool accessories	1.5	-	.9	-	.4	-	2.3	-	.7	-	1.0	-
355	Special industry machinery	1.8	-	1.4	-	.4	-	1.9	-	.7	-	.7	-
3551	Food products machinery	2.0	-	1.4	-	.6	-	2.0	-	.7	-	.9	-
3552	Textile machinery	2.2	-	1.5	-	.5	-	2.6	-	.9	-	1.2	-
356	General industrial machinery	2.1	-	1.2	-	.7	-	1.9	-	.6	-	.7	-
3561	Pumps and pumping equipment	2.0	-	1.5	-	.4	-	1.6	-	.6	-	.5	-
3562	Ball and roller bearings	1.9	-	.9	-	.7	-	1.5	-	.5	-	.3	-
3564	Blowers and fans	2.3	-	1.7	-	.5	-	2.1	-	.8	-	.8	-
357	Office and computing machines	2.3	-	2.0	-	.1	-	1.9	-	1.1	-	.3	-
3573	Electronic computing equipment	2.4	-	2.1	-	.1	-	1.8	-	1.1	-	.1	-
358	Refrigeration and service machinery	2.4	-	1.5	-	.6	-	2.7	-	.7	-	1.1	-
3585	Refrigeration and heating equipment	2.3	-	1.3	-	.7	-	2.5	-	.6	-	.9	-
359	Misc. machinery, except electrical	3.6	-	1.8	-	1.7	-	2.8	-	1.1	-	1.0	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT **</b>	2.4	2.7	1.4	1.8	.6	.6	2.7	2.4	.9	1.0	.9	.6
361	Electric distributing equipment	3.2	-	2.0	-	.8	-	3.0	-	1.1	-	.6	-
3612	Transformers	3.6	-	1.8	-	1.2	-	2.5	-	1.1	-	.3	-
3613	Switchgear and switchboard apparatus	2.9	-	2.2	-	.5	-	3.3	-	1.1	-	.8	-
362	Electrical industrial apparatus **	2.2	-	1.2	-	.7	-	2.0	-	.6	-	.7	-
3621	Motors and generators	2.4	-	1.3	-	.8	-	2.2	-	.6	-	.9	-
3622	Industrial controls **	1.7	-	.9	-	.5	-	2.0	-	.6	-	.7	-
363	Household appliances	3.9	-	1.3	-	1.9	-	3.2	-	.7	-	1.4	-
3632	Household refrigerators and freezers	8.1	-	1.6	-	4.7	-	4.0	-	.4	-	2.1	-
3633	Household laundry equipment	3.4	-	1.0	-	1.9	-	1.7	-	.2	-	.3	-
3634	Electric housewares and fans	2.0	-	.8	-	1.0	-	3.8	-	1.2	-	1.9	-
364	Electric lighting and wiring equipment	2.8	-	1.8	-	.7	-	2.4	-	1.0	-	.6	-
3641	Electric lamps	1.5	-	.3	-	.8	-	1.6	-	.4	-	.2	-
3643	Current-carrying wiring devices	2.2	-	1.6	-	.4	-	2.2	-	1.0	-	.5	-
365	Radio and TV receiving equipment	3.6	-	1.1	-	1.1	-	5.9	-	1.0	-	3.2	-
3651	Radio and TV receiving sets	3.4	-	1.0	-	.7	-	6.2	-	1.0	-	3.2	-
366	Communication equipment	1.6	-	1.1	-	.2	-	1.7	-	.7	-	.4	-
3661	Telephone and telegraph apparatus	1.0	-	.4	-	.4	-	1.4	-	.3	-	.4	-
3662	Radio and TV communication equipment	1.8	-	1.4	-	.1	-	1.9	-	.8	-	.4	-
367	Electronic components and accessories	2.4	-	1.8	-	.4	-	2.8	-	1.2	-	.8	-
3671-3	Electronic tubes	1.7	-	.9	-	.4	-	2.2	-	.7	-	.9	-
3674	Semiconductors and related devices	1.8	-	1.5	-	.2	-	2.1	-	.9	-	.3	-
3679	Electronic components, nec	2.9	-	2.2	-	.5	-	3.0	-	1.4	-	.7	-
369	Misc. electrical equipment and supplies	2.4	-	1.1	-	1.0	-	3.7	-	.8	-	2.1	-
3694	Engine electrical equipment	2.6	-	1.0	-	1.2	-	3.6	-	.7	-	2.0	-
37	<b>TRANSPORTATION EQUIPMENT</b>	3.0	-	1.2	-	1.4	-	3.3	-	.8	-	1.6	-
371	Motor vehicles and equipment	3.3	-	.6	-	1.9	-	4.4	-	.6	-	2.7	-
3711	Motor vehicles and car bodies	3.4	-	.3	-	2.1	-	5.1	-	.7	-	3.2	-
3713	Truck and bus bodies	4.0	-	2.1	-	1.8	-	4.5	-	1.0	-	2.7	-
3714	Motor vehicle parts and accessories	3.1	-	.5	-	1.8	-	3.8	-	.5	-	2.2	-
3715,8	Truck trailers and motor homes	4.2	-	2.4	-	1.7	-	4.9	-	1.3	-	2.9	-
372	Aircraft and parts	1.4	-	1.0	-	.2	-	1.8	-	.7	-	.4	-
3721	Aircraft	1.2	-	.7	-	.3	-	1.3	-	.4	-	.4	-
3724	Aircraft engines and engine parts	1.0	-	.7	-	.1	-	1.8	-	.8	-	.2	-
3728	Aircraft equipment, nec	2.5	-	2.1	-	.2	-	2.8	-	1.2	-	.8	-
373	Ship and boat building and repairing	5.8	-	3.2	-	2.6	-	4.6	-	1.5	-	2.1	-
3731	Ship building and repairing	5.7	-	2.8	-	2.8	-	4.7	-	1.1	-	2.6	-
3732	Boat building and repairing	6.3	-	4.6	-	1.6	-	4.0	-	2.8	-	.6	-
374	Railroad equipment	2.8	-	.4	-	1.9	-	3.8	-	.2	-	2.7	-
376	Guided missiles, space vehicles, parts	1.6	-	1.2	-	.1	-	1.1	-	.4	-	.2	-
3761	Guided missiles and space vehicles	1.6	-	1.3	-	.1	-	.9	-	.4	-	.1	-
379	Miscellaneous transportation equipment	7.4	-	5.7	-	1.5	-	4.4	-	2.4	-	1.0	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	2.1	2.4	1.6	1.9	.3	.3	2.1	2.3	.9	1.1	.5	.5
381	Engineering and scientific instruments	1.8	-	1.7	-	.1	-	1.4	-	.9	-	.2	-
382	Measuring and controlling devices	1.9	-	1.4	-	.2	-	1.8	-	.9	-	.4	-
3822	Environmental controls	2.0	-	1.3	-	.6	-	1.9	-	.7	-	.7	-
3823	Process control instruments	1.8	-	1.5	-	.1	-	1.5	-	.7	-	.2	-
3825	Instruments to measure electricity	1.9	-	1.5	-	(1)	-	1.6	-	1.0	-	.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	
		Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P
	<b>INSTRUMENTS AND RELATED PRODUCTS—Cont'd</b>												
383	Optical instruments and lenses .....	2.9	-	2.1	-	0.5	-	2.2	-	1.3	-	0.4	-
384	Medical instruments and supplies .....	2.7	-	2.1	-	.4	-	2.7	-	1.1	-	.8	-
3841	Surgical and medical instruments .....	3.2	-	2.7	-	.2	-	3.1	-	1.4	-	1.1	-
3842	Surgical appliances and supplies .....	2.5	-	1.6	-	.6	-	2.6	-	.8	-	.7	-
385	Ophthalmic goods .....	2.5	-	1.6	-	.6	-	3.2	-	1.5	-	.9	-
386	Photographic equipment and supplies .....	1.4	-	1.1	-	.1	-	1.5	-	.3	-	.1	-
387	Watches, clocks, and watchcases .....	2.4	-	1.1	-	.8	-	4.8	-	1.1	-	3.0	-
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>	4.1	4.5	2.3	2.5	1.6	1.8	3.7	3.7	1.2	1.3	1.6	1.4
391	Jewelry, silverware, and plated ware .....	3.4	-	1.7	-	1.6	-	4.5	-	1.3	-	2.5	-
393	Musical instruments .....	2.2	-	1.4	-	.5	-	3.0	-	1.4	-	.9	-
394	Toys and sporting goods .....	5.7	-	2.8	-	2.6	-	4.2	-	1.3	-	1.7	-
3942.4	Dolls, games, toys, and children's vehicles .....	6.9	-	3.0	-	3.6	-	4.5	-	1.3	-	1.6	-
3949	Sporting and athletic goods, nec .....	4.7	-	2.6	-	1.7	-	3.9	-	1.3	-	1.7	-
395	Pens, pencils, office and art supplies .....	2.7	-	2.3	-	.3	-	1.8	-	.9	-	.3	-
396	Costume jewelry and notions .....	4.1	-	2.1	-	1.8	-	3.5	-	1.2	-	1.2	-
399	Miscellaneous manufactures .....	3.9	-	2.4	-	1.3	-	3.8	-	1.3	-	1.7	-
	<b>NONDURABLE GOODS</b>												
20	<b>FOOD AND KINDRED PRODUCTS</b>	3.9	4.5	2.1	2.4	1.6	1.8	4.6	5.0	1.6	1.6	2.3	2.5
201	Meat products .....	4.4	-	2.9	-	1.1	-	5.6	-	2.5	-	2.2	-
2011	Meat packing plants .....	3.0	-	1.4	-	1.2	-	3.7	-	1.0	-	1.9	-
2013	Sausages and other prepared meats .....	3.7	-	1.8	-	1.7	-	4.6	-	1.2	-	2.7	-
2016	Poultry dressing plants .....	6.7	-	5.6	-	.7	-	7.7	-	5.4	-	1.2	-
202	Dairy products .....	3.0	-	2.0	-	.9	-	2.7	-	1.2	-	1.0	-
203	Preserved fruits and vegetables .....	7.0	-	2.8	-	4.2	-	8.5	-	2.2	-	5.4	-
204	Grain mill products .....	2.7	-	1.8	-	.8	-	3.6	-	1.2	-	1.8	-
206	Bakery products .....	2.0	-	1.4	-	.5	-	2.2	-	1.1	-	.6	-
2061	Bread, cake, and related products .....	1.8	-	1.5	-	.3	-	2.2	-	1.2	-	.5	-
2062	Cookies and crackers .....	2.7	-	.9	-	1.7	-	2.2	-	.7	-	1.0	-
206	Sugar and confectionery products .....	3.2	-	.8	-	2.3	-	6.4	-	.9	-	4.8	-
207	Fats and oils .....	2.1	-	1.6	-	.5	-	3.6	-	1.4	-	1.8	-
208	Beverages .....	3.3	-	1.6	-	1.5	-	3.4	-	1.1	-	1.7	-
2082	Malt beverages .....	5.0	-	.6	-	4.2	-	4.2	-	.3	-	3.3	-
2086	Bottled and canned soft drinks .....	2.7	-	2.1	-	.4	-	2.6	-	1.5	-	.5	-
209	Misc. foods and kindred products .....	5.7	-	3.1	-	2.4	-	5.2	-	1.8	-	2.6	-
21	<b>TOBACCO MANUFACTURES</b>	2.3	-	1.0	-	.8	-	4.7	-	.6	-	3.1	-
211	Cigarettes .....	1.2	-	.5	-	.2	-	1.3	-	.1	-	(1)	-
22	<b>TEXTILE MILL PRODUCTS</b>	3.0	3.4	2.1	2.4	.6	.7	3.0	3.4	1.5	1.8	.7	.7
221	Weaving mills, cotton .....	2.0	-	1.4	-	.3	-	2.5	-	1.2	-	.5	-
222	Weaving mills, synthetics .....	2.1	-	1.6	-	.3	-	2.5	-	1.4	-	.4	-
223	Weaving and finishing mills, wool .....	3.6	-	2.7	-	.8	-	2.9	-	1.1	-	.7	-
224	Narrow fabric mills .....	3.5	-	2.2	-	1.1	-	3.1	-	1.3	-	1.0	-
225	Knitting mills .....	3.9	-	2.7	-	1.0	-	3.4	-	1.8	-	1.0	-
2251	Women's hosiery, except socks .....	1.9	-	1.6	-	.2	-	2.9	-	1.7	-	.7	-
2252	Hosiery, nec .....	3.5	-	3.0	-	.3	-	2.9	-	2.1	-	.2	-
2253	Knit outerwear mills .....	5.0	-	3.3	-	1.4	-	4.4	-	2.0	-	1.8	-
2254	Knit underwear mills .....	3.0	-	2.5	-	.3	-	2.8	-	1.9	-	.2	-
2257	Circular knit fabric mills .....	4.5	-	2.7	-	1.7	-	2.9	-	1.5	-	.6	-
226	Textile finishing, except wool .....	3.0	-	2.3	-	.5	-	2.7	-	1.2	-	.6	-
227	Floor covering mills .....	2.8	-	2.2	-	.4	-	2.7	-	1.0	-	1.1	-
228	Yarn and thread mills .....	3.2	-	2.5	-	.5	-	3.7	-	2.3	-	.6	-
229	Miscellaneous textile goods .....	3.0	-	1.9	-	.9	-	2.3	-	1.0	-	.5	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	4.8	5.3	2.9	3.3	1.8	1.8	4.4	4.9	2.0	2.2	1.7	1.9
231	Men's and boys' suits and coats .....	2.5	-	1.9	-	.4	-	2.6	-	1.2	-	.8	-
232	Men's and boys' furnishings .....	4.0	-	2.4	-	1.5	-	4.4	-	2.4	-	1.4	-
2321	Men's and boys' shirts and nightwear .....	3.3	-	2.1	-	1.0	-	3.6	-	2.1	-	.9	-
2327	Men's and boys' separate trousers .....	3.1	-	2.7	-	.3	-	3.8	-	2.6	-	.6	-
2328	Men's and boys' work clothing .....	4.2	-	2.6	-	1.5	-	4.7	-	2.8	-	1.4	-
233	Women's and misses' outerwear .....	6.2	-	3.5	-	2.5	-	5.0	-	2.0	-	2.1	-
234	Women's and children's undergarments .....	4.4	-	3.3	-	.9	-	4.1	-	2.2	-	1.2	-
2341	Women's and children's underwear .....	4.3	-	3.2	-	1.0	-	4.2	-	2.3	-	1.1	-
2342	Brassieres and allied garments .....	4.8	-	3.8	-	.7	-	3.9	-	1.6	-	1.5	-
236	Children's outerwear .....	4.5	-	3.1	-	1.2	-	4.0	-	2.6	-	.8	-
238	Misc. apparel and accessories .....	5.5	-	3.0	-	2.3	-	3.8	-	1.8	-	1.3	-
239	Misc. fabricated textile products .....	4.4	-	2.3	-	1.6	-	4.5	-	1.6	-	2.1	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	2.1	2.1	1.3	1.3	.7	.7	2.4	2.5	.7	.8	1.0	1.0
261,2,6	Paper and pulp mills .....	1.4	-	.5	-	.6	-	1.6	-	.3	-	.8	-
262	Paper mills, except building paper .....	1.4	-	.5	-	.6	-	1.4	-	.3	-	.6	-

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	
		Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P	Feb. 1981	Mar. 1981P
	<b>PAPER AND ALLIED PRODUCTS—Continued</b>												
263	Paperboard mills	0.8	-	0.6	-	0.1	-	0.9	-	0.4	-	0.2	-
264	Misc. converted paper products	2.9	-	2.1	-	.8	-	3.0	-	1.1	-	1.1	-
265	Paperboard containers and boxes	2.5	-	1.5	-	.9	-	3.1	-	.9	-	1.5	-
2651	Folding paperboard boxes	2.0	-	1.3	-	.6	-	3.0	-	.8	-	1.6	-
2653	Corrugated and solid fiber boxes	2.0	-	1.4	-	.5	-	2.5	-	.8	-	1.1	-
27	<b>PRINTING AND PUBLISHING</b>	2.9	3.1	2.3	2.5	.5	.5	2.6	2.8	1.4	1.6	.7	.6
271	Newspapers	2.9	-	2.6	-	.1	-	2.7	-	2.0	-	.1	-
272	Periodicals	3.8	-	3.3	-	.5	-	2.6	-	1.7	-	.2	-
273	Books	2.8	-	1.9	-	.8	-	3.1	-	1.2	-	1.2	-
274	Miscellaneous publishing	2.8	-	2.3	-	.5	-	2.0	-	1.0	-	.5	-
275	Commercial printing	2.7	-	1.9	-	.7	-	2.6	-	.9	-	1.1	-
2751	Commercial printing, letterpress	2.8	-	1.9	-	.9	-	2.8	-	.9	-	1.4	-
2752	Commercial printing, lithographic	2.6	-	1.9	-	.6	-	2.6	-	1.0	-	.9	-
278	Blankbooks and bookbinding	3.9	-	3.1	-	.8	-	2.6	-	1.2	-	.9	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	1.5	1.7	1.1	1.2	.3	.3	1.4	1.5	.5	.6	.4	.3
281	Industrial inorganic chemicals	1.3	-	.9	-	.3	-	1.0	-	.4	-	.2	-
2819	Industrial inorganic chemicals, nec	1.2	-	1.0	-	.2	-	1.0	-	.4	-	.2	-
282	Plastics materials and synthetics	.9	-	.5	-	.3	-	1.0	-	.3	-	.2	-
2821	Plastics materials and resins	1.0	-	.7	-	.2	-	1.1	-	.4	-	.3	-
2824	Organic fibers, noncellulosic	.4	-	.3	-	(1)	-	.7	-	.2	-	(1)	-
283	Drugs	1.4	-	1.2	-	.2	-	1.0	-	.5	-	.1	-
2834	Pharmaceutical preparations	1.6	-	1.2	-	.2	-	1.1	-	.5	-	.1	-
284	Soap, cleaners, and toilet goods	2.5	-	1.6	-	.7	-	2.4	-	.8	-	1.0	-
2841	Soap and other detergents	2.2	-	1.0	-	1.1	-	1.4	-	.4	-	.6	-
2844	Toilet preparations	3.2	-	2.1	-	.8	-	3.3	-	1.0	-	1.6	-
285	Paints and allied products	1.8	-	1.4	-	.3	-	1.7	-	.7	-	.3	-
286	Industrial organic chemicals	1.0	-	.8	-	.1	-	1.1	-	.4	-	.2	-
287	Agricultural chemicals	2.5	-	1.9	-	.5	-	1.9	-	.9	-	.5	-
289	Miscellaneous chemical products	1.7	-	1.2	-	.4	-	1.9	-	.6	-	.8	-
29	<b>PETROLEUM AND COAL PRODUCTS</b>	1.7	2.1	1.4	1.7	.3	.3	1.7	1.8	.5	.5	.5	.7
291	Petroleum refining	1.5	-	1.4	-	.1	-	1.3	-	.3	-	.3	-
295	Paving and roofing materials	3.2	-	1.5	-	1.7	-	4.2	-	1.5	-	1.4	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	3.6	4.1	2.3	2.5	1.1	1.2	3.6	3.3	1.3	1.4	1.4	1.0
301	Tires and inner tubes	1.4	-	.5	-	.6	-	1.4	-	.3	-	.4	-
302	Rubber and plastics footwear	6.0	-	2.4	-	3.2	-	6.3	-	2.0	-	3.3	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting	2.5	-	1.1	-	1.2	-	2.3	-	.6	-	1.0	-
306	Fabricated rubber products, nec	3.2	-	1.6	-	1.3	-	3.5	-	.9	-	1.5	-
307	Miscellaneous plastics products	4.1	-	2.9	-	1.0	-	4.1	-	1.5	-	1.6	-
31	<b>LEATHER AND LEATHER PRODUCTS</b>	4.9	5.5	3.2	4.0	1.5	1.3	4.9	5.1	2.3	2.7	1.8	1.5
311	Leather tanning and finishing	3.4	-	2.1	-	1.3	-	3.3	-	1.0	-	1.5	-
314	Footwear, except rubber	4.6	-	3.0	-	1.3	-	4.8	-	2.4	-	1.5	-
3143	Men's footwear, except athletic	4.1	-	2.9	-	.8	-	4.2	-	2.4	-	.9	-
3144	Women's footwear, except athletic	5.0	-	2.6	-	2.2	-	5.1	-	2.3	-	1.9	-
	<b>NONMANUFACTURING:</b>												
-	<b>MINING</b>	4.6	4.7	3.6	3.5	.7	1.0	4.1	4.0	2.8	2.6	.5	.7
10	<b>METAL MINING</b>	1.6	1.7	.8	.8	.5	.5	1.6	2.1	.6	.6	.4	.8
101	Iron ores	1.9	-	.3	-	.9	-	1.8	-	.2	-	.4	-
102	Copper ores	1.8	-	1.6	-	(1)	-	2.0	-	.8	-	.4	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b>	1.7	.8	.9	.4	.6	.3	1.3	1.1	.5	.4	.3	.4
13	<b>OIL AND GAS EXTRACTION</b>	6.8	6.7	5.7	5.7	.7	.9	6.0	5.8	4.6	4.2	.3	.7
131,2	Crude petroleum, natural gas, and natural gas liquids	2.2	-	1.8	-	.2	-	1.7	-	1.1	-	.2	-
138	Oil and gas field services	9.6	-	8.2	-	1.1	-	8.7	-	6.8	-	.4	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b>	2.7	6.0	1.2	1.8	1.3	4.0	3.0	2.6	.8	.9	1.9	1.1
142	Crushed and broken stone	3.1	-	1.1	-	1.9	-	3.1	-	.5	-	2.3	-
144	Sand and gravel	3.5	-	.9	-	2.3	-	5.3	-	.9	-	4.1	-
-	<b>COMMUNICATION:</b>												
481	Telephone communication	.8	-	.7	-	(1)	-	.9	-	.3	-	.1	-

<sup>1</sup> Less than 0.05.

\*\*Corrected data for January 1981 are:

Item	Total Acc.	New Hires	Recalls	Total Sep.	Quits	Layoffs
SIC 38...	3.0	-	-	3.0	-	-
SIC 382...	2.7	1.4	1.0	2.6	.9	.9
SIC 3822...	2.1	1.0	.8	2.0	.9	1.0

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.
<b>Total accessions</b>												
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	P3.5									
<b>New hires</b>												
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	P2.2									
<b>Total separations</b>												
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	P3.6									
<b>Quits</b>												
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	P1.4									
<b>Layoffs</b>												
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	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	
	Jan. 1981	Feb. 1981 <sup>P</sup>	Jan. 1981	Feb. 1981 <sup>P</sup>	Jan. 1981	Feb. 1981 <sup>P</sup>	Jan. 1981	Feb. 1981 <sup>P</sup>	Jan. 1981	Feb. 1981 <sup>P</sup>	Jan. 1981	Feb. 1981 <sup>P</sup>
<b>ALABAMA:</b>												
Birmingham .....	3.4	2.2	1.2	1.0	2.1	1.0	2.2	2.1	0.7	0.7	0.8	0.7
Mobile .....	8.3	6.3	1.7	1.3	6.6	4.9	7.4	5.4	1.4	.8	5.4	3.9
<b>ALASKA</b> .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
<b>ARIZONA</b> .....	3.1	3.1	2.5	2.5	.5	.4	3.9	2.9	1.6	1.4	1.2	.4
Phoenix .....	3.4	3.4	2.7	2.7	.5	.4	3.3	2.8	1.6	1.5	.6	.3
<b>ARKANSAS</b> .....	4.3	3.8	2.9	2.3	.9	1.2	4.7	4.1	2.2	1.8	1.5	1.4
Fort Smith .....	3.0	3.6	1.5	2.2	1.0	.8	4.1	4.1	1.8	1.5	1.4	1.5
Little Rock—North Little Rock .....	2.5	2.4	1.9	1.9	.4	.4	3.6	3.1	1.2	1.2	1.5	1.0
Pine Bluff .....	2.2	2.2	1.5	1.1	.3	1.0	3.4	1.8	1.0	.7	1.5	.2
<b>CALIFORNIA</b> .....	3.5	3.5	2.4	2.4	.9	.9	4.6	3.6	1.6	1.4	2.0	1.4
<b>COLORADO</b> .....	2.6	2.6	2.1	2.2	.3	.3	2.7	2.2	1.5	1.4	.7	.3
Denver—Boulder .....	2.8	2.6	2.4	2.2	.3	.4	2.3	2.5	1.4	1.5	.4	.2
<b>CONNECTICUT</b> .....	2.2	1.9	1.4	1.4	.6	.4	2.2	2.1	1.0	1.0	.5	.5
Hartford .....	1.7	1.6	1.1	1.2	.4	.2	1.7	2.4	.8	1.3	.4	.6
<b>DELAWARE</b> .....	8.4	7.8	1.1	1.2	6.9	6.1	4.5	8.4	.9	.7	2.1	6.4
Wilmington .....	8.2	8.0	.7	.9	7.2	6.5	4.1	8.6	.4	.4	2.2	7.0
<b>FLORIDA</b> .....	4.9	4.5	4.1	3.6	.6	.7	4.4	4.2	2.4	2.4	1.0	1.8
Fort Lauderdale—Hollywood .....	4.8	5.1	4.6	4.8	.1	.2	4.6	4.8	3.1	3.2	.4	.6
Jacksonville .....	3.6	4.7	2.5	3.2	1.1	1.5	3.5	4.3	1.0	1.5	1.4	1.4
Miami .....	5.1	5.0	4.1	4.3	.9	.5	5.3	4.2	2.8	2.3	1.5	1.1
Orlando .....	3.8	5.8	3.4	5.3	.3	.4	4.1	3.8	2.7	2.3	.6	.5
Pensacola .....	.7	1.1	.5	1.0	.2	( <sup>1</sup> )	1.4	1.4	.5	.7	.5	( <sup>1</sup> )
Tampa—St. Petersburg .....	5.6	5.0	4.7	4.3	.8	.6	5.2	5.1	3.3	3.1	.7	1.1
West Palm Beach—Boca Raton .....	4.1	3.7	3.6	3.4	.5	.2	5.0	3.7	3.3	2.4	.7	.6
<b>GEORGIA</b> .....	2.9	2.8	2.2	2.1	.5	.4	2.8	2.8	1.5	1.5	.6	.5
Atlanta .....	2.4	2.0	1.7	1.5	.5	.3	2.1	2.1	1.0	1.1	.5	.3
<b>HAWAII</b> .....	3.6	3.5	1.6	1.1	1.0	2.3	4.8	3.1	.7	.6	3.4	1.5
<b>IDAHO</b> .....	5.5	3.4	1.4	2.0	3.9	1.2	4.5	5.2	1.2	.9	2.5	3.3
<b>ILLINOIS:</b>												
Chicago SMSA .....	2.5	2.5	1.4	1.6	.8	.7	3.1	2.7	.9	.8	1.2	1.0
Davenport—Rock Island—Moline .....	2.0	1.2	.5	.5	1.3	.5	2.5	2.4	.7	.4	1.1	1.0
Decatur .....	2.4	1.4	.2	.3	1.9	.7	3.8	2.4	.3	.1	1.8	1.3
Peoria .....	3.2	1.3	.7	.5	2.3	.7	3.4	2.4	1.5	.3	1.0	1.2
Rockford .....	9.1	1.7	.7	.7	8.2	.9	2.9	2.6	.7	.6	1.6	1.5
<b>INDIANA</b> .....	3.0	2.4	1.0	.9	1.5	1.1	3.4	2.8	.6	.6	2.0	1.4
Indianapolis .....	3.0	2.5	1.4	1.1	1.1	1.0	3.0	3.8	.7	.6	1.0	1.7
<b>IOWA</b> .....	2.6	1.8	.9	.8	1.4	.9	4.1	2.9	.7	.6	2.9	1.8
Cedar Rapids .....	1.5	3.1	.4	.6	.8	2.0	1.7	3.9	.4	.7	.7	2.2
Des Moines .....	1.9	1.9	.6	.8	.9	.7	3.1	2.3	.6	.4	1.8	.2
<b>KANSAS</b> .....	4.2	3.1	2.8	2.4	1.2	.6	3.5	3.6	1.8	1.5	.9	1.4
Topeka .....	2.6	3.0	2.0	1.9	.5	1.0	2.8	2.4	1.1	1.0	.7	.8
Wichita .....	3.5	2.7	2.8	2.1	.4	.4	3.4	3.1	1.8	1.4	.7	.8
<b>KENTUCKY</b> .....	4.3	3.2	1.4	1.1	2.5	1.7	3.6	3.8	.9	.7	1.8	2.2
Lexington—Fayette .....	2.0	1.7	1.4	.9	.4	.7	2.8	2.7	1.4	.9	.8	1.1
Louisville .....	4.4	3.0	.6	.8	3.1	1.6	2.5	2.5	.4	.4	1.0	.9
<b>LOUISIANA:</b>												
New Orleans .....	3.8	3.7	3.1	3.2	.5	.4	4.0	4.2	2.3	2.2	.6	.7
<b>MAINE</b> .....	3.9	3.5	2.3	2.1	1.4	1.1	4.2	3.5	1.4	1.3	2.1	1.5
Portland .....	2.7	2.0	2.0	1.8	.4	.2	2.6	2.2	1.2	1.4	.5	.3
<b>MARYLAND</b> .....	3.2	2.9	1.5	1.4	1.4	1.4	3.3	3.6	.8	.8	1.7	2.1
Baltimore .....	3.2	2.8	1.4	1.2	1.4	1.4	3.3	3.9	.7	.7	1.7	2.4
<b>MASSACHUSETTS</b> .....	3.5	(*)	1.8	(*)	1.4	(*)	3.5	(*)	1.3	(*)	1.4	(*)
Boston .....	3.2	(*)	1.9	(*)	1.0	(*)	3.9	(*)	1.5	(*)	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	
	Jan. 1981	Feb. 1981 <sup>P</sup>	Jan. 1981	Feb. 1981 <sup>P</sup>	Jan. 1981	Feb. 1981 <sup>P</sup>	Jan. 1981	Feb. 1981 <sup>P</sup>	Jan. 1981	Feb. 1981 <sup>P</sup>	Jan. 1981	Feb. 1981 <sup>P</sup>
<b>MICHIGAN</b> .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Detroit .....	1.8	(*)	.4	(*)	.7	(*)	2.4	(*)	.4	(*)	1.4	(*)
Flint .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Grand Rapids .....	4.6	(*)	.8	(*)	3.4	(*)	3.1	(*)	.6	(*)	2.0	(*)
Lansing—East Lansing .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
<b>MINNESOTA</b> .....	3.3	2.6	1.6	1.6	1.5	.8	3.1	2.6	1.1	1.1	1.4	1.2
Minneapolis—St. Paul .....	2.8	2.4	1.6	1.6	1.1	.7	2.4	2.1	1.0	1.1	.9	.6
<b>MISSISSIPPI:</b>												
Jackson .....	2.9	2.1	1.6	1.6	1.2	.5	4.6	4.1	1.6	1.5	2.3	2.0
<b>MISSOURI</b> .....	3.0	2.5	1.6	1.4	1.2	1.0	3.0	3.4	1.1	.8	1.3	2.1
Kansas City .....	2.9	2.9	1.7	1.9	1.1	.9	2.7	2.2	1.2	1.1	.9	.6
St. Louis .....	2.5	2.0	1.0	1.1	1.3	.8	2.9	2.3	.7	.5	1.5	1.3
<b>MONTANA</b> .....	1.6	1.1	1.4	.5	.1	.6	4.5	4.0	1.4	.9	2.5	1.5
<b>NEBRASKA</b> .....	3.2	2.7	2.4	1.9	.5	.7	3.3	2.7	1.5	1.3	1.3	.8
<b>NEVADA</b> .....	4.6	3.7	4.1	3.3	.5	.4	4.3	4.6	3.0	2.6	.3	1.0
<b>NEW HAMPSHIRE</b> .....	3.9	3.5	2.8	2.6	.8	.6	4.1	3.2	2.0	1.8	1.3	.7
<b>NEW JERSEY:</b>												
Camden <sup>7</sup> .....	3.8	2.5	1.8	1.5	1.6	1.0	4.5	3.1	1.0	.7	2.5	1.8
Hackensack .....	4.2	3.4	2.5	2.4	1.6	.9	4.0	3.7	1.4	1.5	1.8	1.1
Jersey City .....	2.8	3.5	1.4	1.9	1.3	1.5	4.5	4.2	.8	1.0	1.9	1.6
New Brunswick—Perth Amboy—Sayreville .....	3.6	3.0	2.0	1.9	1.4	1.0	3.3	4.8	1.2	1.1	1.1	2.9
Newark .....	2.9	2.6	1.9	1.7	.9	.6	3.1	2.4	1.1	.8	1.1	.8
Paterson—Clifton—Passaic .....	4.3	3.6	2.4	2.2	1.8	1.2	4.8	3.1	.9	1.0	2.8	1.0
Trenton .....	2.9	2.4	1.5	1.5	1.1	.7	3.1	2.7	.7	.8	1.6	1.2
<b>NEW MEXICO</b> .....	3.0	4.0	2.4	3.4	.4	.6	3.8	4.0	2.0	1.7	1.0	1.2
<b>NEW YORK</b> .....	3.3	3.3	1.7	1.8	1.4	1.3	3.8	3.0	1.0	.9	2.0	1.4
Albany—Schenectady—Troy .....	1.8	2.3	.8	.9	.4	.8	4.3	2.4	.5	.5	2.4	1.0
Binghamton .....	1.9	2.1	1.1	1.3	.7	.7	2.1	2.2	.5	.6	.8	.9
Buffalo .....	2.3	2.2	.6	.6	1.5	1.3	3.6	2.7	.4	.4	2.1	1.7
Elmira .....	2.4	1.6	1.0	.7	1.2	.6	1.3	2.9	.5	.4	.3	1.5
Monroe County <sup>8</sup> .....	1.8	1.5	1.1	1.2	.6	.1	1.6	1.7	.7	.5	.4	.3
Nassau—Suffolk <sup>9</sup> .....	3.4	3.4	2.9	2.9	.4	.4	3.8	3.2	1.8	1.5	1.3	1.0
New York and Nassau—Suffolk .....	4.1	4.3	2.5	2.6	1.6	1.6	4.4	3.4	1.3	1.2	2.3	1.5
New York SMSA <sup>9</sup> .....	4.3	4.6	2.4	2.6	1.9	1.9	4.6	3.4	1.2	1.1	2.6	1.6
New York City <sup>10</sup> .....	4.6	5.0	2.4	2.7	2.1	2.1	5.0	3.6	1.2	1.1	2.9	1.7
Rochester .....	2.1	1.7	1.2	1.2	.8	.3	2.1	2.1	.7	.5	.7	.7
Syracuse .....	2.2	2.1	1.2	1.0	.8	.9	2.9	2.7	.9	.7	1.2	1.2
Utica—Rome .....	3.0	2.5	1.3	1.4	1.6	1.0	3.0	2.3	.9	.9	1.3	.7
Westchester County <sup>10</sup> .....	2.9	2.6	2.0	1.9	.8	.6	2.3	2.5	1.0	.8	.7	1.1
<b>NORTH CAROLINA</b> .....	3.4	2.8	2.3	2.2	.9	.4	3.6	2.9	1.8	1.6	1.0	.6
Charlotte—Gastonia .....	3.7	3.3	3.2	2.9	.3	.3	4.7	3.6	2.5	2.4	1.3	.3
Greensboro—Winston-Salem—High Point .....	3.8	2.6	2.5	2.1	1.0	.3	2.7	2.6	1.6	1.5	.4	.4
<b>NORTH DAKOTA</b> .....	6.9	3.7	2.8	2.1	3.6	1.3	4.3	2.6	1.6	1.1	2.1	.8
Fargo—Moorhead .....	3.8	5.5	2.9	4.2	.1	.8	4.6	5.5	1.2	1.1	2.3	3.0
<b>OHIO</b> .....	2.7	2.2	.7	.7	(*)	(*)	3.5	2.4	.5	.4	2.2	1.3
Akron .....	2.2	2.5	.6	1.1	(*)	(*)	1.7	1.5	.4	.3	.6	.7
Canton .....	3.1	2.5	.5	.4	(*)	(*)	2.3	2.6	.5	.4	.8	1.3
Cincinnati .....	2.0	1.7	.9	1.0	(*)	(*)	1.9	1.7	.5	.4	.7	.7
Cleveland .....	2.4	1.8	.8	.8	(*)	(*)	3.4	2.0	.6	.5	1.7	.9
Columbus .....	2.0	1.8	1.0	.9	(*)	(*)	2.7	2.0	.7	.4	1.4	.9
Dayton .....	2.3	2.0	1.0	.8	(*)	(*)	2.2	2.1	.6	.6	.8	.7
Toledo .....	2.7	2.9	.7	.7	(*)	(*)	4.5	2.6	.4	.2	3.3	1.4
Youngstown—Warren .....	2.5	1.9	.3	.2	(*)	(*)	2.6	4.1	.2	.2	1.4	3.0
<b>OKLAHOMA</b> .....	5.2	4.6	4.3	3.9	.8	.5	4.3	4.1	2.9	2.8	.6	.5
Oklahoma City .....	4.2	4.3	3.5	3.6	.6	.5	4.0	3.8	2.6	2.5	.6	.6
Tulsa .....	4.8	3.9	3.7	3.5	1.0	.3	3.9	3.5	2.5	2.3	.5	.3
<b>OREGON</b> <sup>5</sup> .....	3.4	3.6	1.6	1.6	1.7	1.9	4.0	3.7	1.1	1.0	2.2	2.2
Eugene—Springfield <sup>5</sup> .....	3.3	1.7	1.7	.9	1.4	.5	3.7	2.5	.7	.7	1.6	1.1
Portland .....	3.0	(*)	1.6	(*)	1.3	(*)	3.2	(*)	1.1	(*)	1.6	(*)

See footnotes at end of table.

# ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

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

[ Per 100 employees ]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Jan. 1981	Feb. 1981 <sup>p</sup>	Jan. 1981	Feb. 1981 <sup>p</sup>	Jan. 1981	Feb. 1981 <sup>p</sup>	Jan. 1981	Feb. 1981 <sup>p</sup>	Jan. 1981	Feb. 1981 <sup>p</sup>	Jan. 1981	Feb. 1981 <sup>p</sup>
<b>PENNSYLVANIA</b> .....	3.3	2.8	1.1	1.2	1.9	1.4	3.3	2.9	0.7	0.6	1.9	1.6
Allentown—Bethlehem—Easton .....	2.8	2.7	1.2	1.2	1.5	1.3	3.6	2.6	.7	.8	2.0	1.3
Altoona .....	2.9	4.2	.8	.6	2.0	3.5	3.9	2.7	1.0	.4	2.3	1.8
Erie .....	3.9	2.3	1.4	1.1	2.1	.9	2.9	2.7	.7	.6	1.4	1.4
Harrisburg .....	2.6	2.3	1.3	1.3	1.0	.6	2.4	2.6	.8	.8	.9	1.2
Johnstown .....	3.8	2.5	.6	.8	3.0	1.7	4.0	3.0	.6	.4	2.2	2.0
Lancaster .....	2.5	2.5	1.4	1.7	.7	.7	2.4	2.2	1.0	.9	.8	.9
Northeast Pennsylvania .....	5.6	3.0	1.7	1.4	3.5	1.4	3.6	3.3	1.0	.9	2.0	1.9
Philadelphia SMSA .....	2.6	2.4	1.3	1.3	1.1	1.0	3.1	2.6	.8	.7	1.5	1.2
Pittsburgh .....	3.9	2.6	.7	.7	2.8	1.6	2.7	2.5	.3	.3	1.6	1.3
Reading .....	3.1	2.2	1.6	1.3	1.4	.8	3.3	2.8	.9	.8	1.4	1.3
Scranton <sup>12</sup> .....	3.3	2.5	1.7	1.6	1.5	.8	3.7	2.3	1.3	1.1	2.1	.9
Wilkes-Barre—Hazleton <sup>12</sup> .....	7.1	3.4	1.4	1.2	5.3	1.9	3.3	3.9	.7	.7	2.1	2.6
Williamsport .....	1.2	1.4	.5	.6	.5	.7	2.9	1.1	.3	.4	2.0	.3
York .....	3.3	2.4	1.7	1.5	1.5	.9	4.2	3.0	.7	.7	2.9	1.7
<b>RHODE ISLAND</b> .....	5.8	3.8	2.1	2.2	2.9	1.3	6.0	3.3	1.6	1.3	3.2	1.2
Providence—Warwick—Pawtucket .....	6.1	3.6	2.1	2.1	3.2	1.3	6.0	3.2	1.6	1.3	3.2	1.2
<b>SOUTH CAROLINA</b> .....	2.9	2.6	1.9	1.8	.7	.6	3.3	2.7	1.4	1.2	1.0	.7
Charleston—North Charleston .....	3.7	3.5	1.5	2.3	.4	1.0	3.9	2.6	1.4	1.3	1.5	.4
Columbia .....	2.3	2.8	2.0	2.0	.1	.7	2.8	2.4	1.6	1.5	.3	.4
Greenville—Spartanburg .....	2.9	3.1	2.4	2.2	.3	.6	3.5	3.0	1.8	1.5	.8	.5
<b>SOUTH DAKOTA</b> .....	2.3	1.9	1.3	1.1	.9	.6	2.7	2.3	1.1	.9	1.1	.8
Sioux Falls .....	2.2	1.6	.9	.6	1.3	1.0	3.4	1.7	.6	.6	2.5	1.1
<b>TENNESSEE:</b>												
Memphis .....	3.4	2.4	1.3	1.2	1.8	1.0	2.9	2.4	1.0	.7	1.2	1.0
<b>TEXAS:</b>												
Dallas—Fort Worth .....	3.5	3.9	3.0	3.3	.3	.4	3.6	3.3	2.4	2.3	.4	.3
Houston .....	3.9	3.8	3.6	3.5	.2	.2	3.5	3.5	2.3	2.4	.2	.3
San Antonio .....	3.6	5.0	3.1	4.5	.3	.4	3.7	4.0	2.7	2.6	.4	.4
<b>UTAH</b> <sup>4</sup> .....	3.8	3.0	2.9	2.6	.8	.3	4.6	3.5	2.3	1.4	1.2	1.0
Salt Lake City—Ogden <sup>4</sup> .....	3.2	2.8	2.9	2.5	.3	.2	4.6	3.7	2.3	1.7	1.2	1.1
<b>VERMONT</b> .....	3.9	2.6	2.2	1.7	1.3	.7	3.2	2.3	1.0	.9	1.5	.9
Burlington .....	3.0	2.1	2.5	1.7	.1	.1	2.5	1.8	.7	.5	1.2	1.0
Springfield .....	1.7	1.2	1.2	1.0	.4	.2	1.7	1.0	.4	.6	.7	( <sup>1</sup> )
<b>VIRGINIA</b> .....	3.1	2.3	1.8	1.6	1.1	.5	2.7	2.5	1.2	1.0	.8	.8
Richmond .....	1.7	2.1	.9	1.4	.2	.2	1.9	1.9	.6	.6	.3	.3
<b>WASHINGTON:</b> <sup>13</sup>												
Seattle—Everett .....	2.2	2.0	1.3	1.2	.8	.7	2.3	2.2	.8	.7	1.1	.9
<b>WEST VIRGINIA</b> .....	2.0	2.1	.9	.9	1.0	1.1	4.0	1.6	.9	.5	2.4	.7
<b>WISCONSIN</b> .....	3.3	2.4	1.0	.9	2.0	1.2	3.2	2.4	.7	.5	1.8	1.2
Milwaukee .....	2.5	2.1	.9	.8	1.2	.9	3.0	2.5	.7	.4	1.5	1.2
<b>WYOMING</b> .....	6.1	5.3	5.2	4.4	.9	.9	6.6	13.7	2.8	3.2	3.0	9.2

<sup>1</sup> Less than 0.05.

<sup>2</sup> Excludes agricultural chemicals, and miscellaneous manufacturing.

<sup>3</sup> Excludes canned fruits, vegetables, preserves, jams, and jellies.

<sup>4</sup> Excludes canning and preserving, and sugar.

<sup>5</sup> Excludes canning and preserving.

<sup>6</sup> Excludes canning and preserving, and newspapers.

<sup>7</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

<sup>8</sup> Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>9</sup> Area included in New York and Nassau-Suffolk combined SMSA's.

<sup>10</sup> Subarea of New York Standard Metropolitan Statistical Area.

<sup>11</sup> Excludes new-hire rate for transportation equipment.

<sup>12</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.

<sup>13</sup> Excludes canning and preserving, printing and publishing.

<sup>p</sup> = preliminary.

\* Not available.

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



# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P
<b>ALABAMA</b> .....	1,622.8	1,639.2	1,637.3	129.6	155.1	151.1	8.0	9.5	9.2
Birmingham .....	375.2	377.3	376.9	26.7	34.3	34.0	7.1	9.1	9.0
Huntsville .....	136.2	136.4	136.3	12.5	13.9	14.0	9.2	10.2	10.3
Mobile .....	179.7	183.0	182.9	12.7	14.9	14.1	7.0	8.1	7.7
Montgomery .....	120.1	119.3	118.9	7.2	9.3	8.6	6.0	7.8	7.2
Tuscaloosa .....	52.1	52.9	52.6	4.1	4.7	4.5	8.0	9.0	8.6
<b>ALASKA</b> .....	178.3	181.8	185.3	19.9	19.7	20.0	11.2	10.8	10.8
<b>ARIZONA</b> .....	1,125.3	1,135.3	1,133.1	67.0	72.1	72.1	6.0	6.4	6.4
Phoenix .....	685.7	691.1	689.9	36.1	36.8	37.1	5.3	5.3	5.4
Tucson .....	204.7	208.4	208.1	10.5	11.3	11.4	5.1	5.4	5.5
<b>ARKANSAS</b> .....	961.1	950.0	963.4	67.1	90.1	85.0	7.0	9.5	8.8
Fayetteville-Springdale .....	N.A.	76.2	76.4	N.A.	4.9	4.1	N.A.	6.4	5.4
Fort Smith <sup>1</sup> .....	N.A.	82.7	82.8	N.A.	8.0	7.6	N.A.	9.7	9.2
Little Rock—North Little Rock .....	N.A.	184.4	185.7	N.A.	13.1	12.7	N.A.	7.1	6.8
Pine Bluff .....	N.A.	38.5	39.0	N.A.	3.7	3.6	N.A.	9.6	9.2
<b>CALIFORNIA<sup>2</sup></b> .....	11,113.0	11,292.3	11,310.6	710.0	908.0	840.4	6.4	8.0	7.4
Anaheim—Santa Ana—Garden Grove .....	1,086.2	1,129.2	1,138.2	44.2	51.8	49.8	4.1	4.6	4.4
Bakersfield .....	173.1	185.9	187.7	15.8	18.4	18.8	9.1	9.9	10.0
Fresno .....	252.2	266.2	263.0	25.8	33.1	31.5	10.2	12.4	12.0
Los Angeles—Long Beach <sup>3</sup> .....	3,597.0	3,504.0	3,490.0	195.0	261.0	240.0	5.4	7.4	6.9
Modesto .....	123.5	129.5	128.5	18.1	22.9	21.1	14.7	17.7	16.4
Oxnard—Simi Valley—Ventura .....	230.8	235.9	239.1	15.8	18.6	17.6	6.8	7.9	7.3
Riverside—San Bernardino—Ontario .....	577.7	594.9	598.9	38.0	50.5	48.2	6.6	8.5	8.0
Sacramento .....	461.3	483.3	482.7	36.6	47.4	42.8	7.9	9.8	8.9
Salinas—Seaside—Monterey .....	126.0	129.2	130.8	12.9	18.2	14.7	10.2	14.1	11.2
San Diego .....	752.5	779.3	782.1	48.2	57.2	53.7	6.4	7.3	6.9
San Francisco—Oakland .....	1,606.2	1,652.6	1,658.8	79.0	101.5	92.5	4.9	6.1	5.6
San Jose .....	730.6	766.0	767.8	35.3	48.0	43.5	4.8	6.3	5.7
Santa Barbara—Santa Maria—Lompoc .....	144.6	149.5	149.9	7.7	9.9	8.8	5.3	6.6	5.9
Santa Rosa .....	130.0	134.0	135.2	9.5	11.8	11.5	7.3	8.8	8.5
Stockton .....	152.8	158.1	160.7	18.6	23.7	22.0	12.2	15.0	13.7
Vallejo—Fairfield—Napa .....	124.7	130.0	130.9	9.6	11.7	10.5	7.7	9.0	8.0
<b>COLORADO</b> .....	1,439.1	1,454.3	1,451.1	74.8	93.2	81.1	5.2	6.4	5.6
Denver—Boulder .....	855.0	865.5	862.7	39.8	49.7	43.1	4.7	5.7	5.0
<b>CONNECTICUT</b> .....	1,592.2	1,590.8	1,589.7	89.6	108.9	97.8	5.6	6.8	6.2
Bridgeport .....	195.1	192.8	192.8	10.9	12.7	11.0	5.6	6.6	5.7
Hartford .....	381.6	386.4	386.0	19.0	23.4	21.5	5.0	6.1	5.6
New Britain .....	78.0	77.0	77.0	4.3	5.5	4.7	5.5	7.1	6.1
New Haven—West Haven .....	205.1	202.5	202.4	12.7	14.7	13.7	6.2	7.2	6.8
Stamford .....	119.0	119.1	119.3	4.6	5.4	4.6	3.9	4.6	3.9
Waterbury .....	110.9	107.7	107.4	7.7	9.7	8.4	6.9	9.0	7.9
<b>DELAWARE</b> .....	274.7	279.8	280.4	20.8	30.4	23.2	7.6	10.9	8.3
Wilmington <sup>1</sup> .....	247.1	249.2	250.0	17.0	26.3	19.9	6.9	10.6	7.9
<b>DISTRICT OF COLUMBIA</b> .....	314.7	303.9	304.8	23.2	26.0	27.2	7.4	8.5	8.9
Washington SMSA <sup>1</sup> .....	1,611.4	1,615.8	1,626.8	68.8	73.3	73.6	4.3	4.5	4.5
<b>FLORIDA<sup>2</sup></b> .....	3,898.0	4,015.2	4,020.6	189.0	252.1	259.2	4.9	6.3	6.4
Bradenton .....	56.6	58.2	58.2	2.4	3.8	3.6	4.2	6.6	6.2
Daytona Beach .....	95.4	98.9	98.5	4.8	6.5	6.6	5.0	6.5	6.7
Fort Lauderdale—Hollywood .....	425.0	429.6	432.8	17.8	21.3	21.5	4.2	5.0	5.0
Fort Myers—Cape Coral .....	80.9	80.2	81.0	3.9	5.4	5.2	4.8	6.8	6.4
Gainesville .....	66.9	67.9	68.9	2.4	2.8	3.0	3.6	4.1	4.3
Jacksonville .....	292.7	302.9	303.7	14.6	18.9	19.1	5.0	6.2	6.3
Lakeland—Winter Haven .....	125.4	131.1	130.3	7.1	10.7	11.5	5.7	8.2	8.8
Melbourne—Titusville—Cocoa .....	103.5	107.4	107.9	5.8	8.7	8.7	5.6	8.1	8.1
Miami .....	715.0	732.4	733.3	35.1	46.9	48.9	4.9	6.4	6.7
Orlando .....	312.1	323.7	323.0	14.4	19.1	20.3	4.6	5.9	6.3
Panama City .....	36.1	36.3	36.8	3.0	3.9	3.9	8.4	10.9	10.6
Pensacola .....	105.9	109.0	109.8	5.3	6.1	6.1	5.0	5.6	5.6
Sarasota .....	69.9	71.2	71.9	2.8	3.4	3.6	4.1	4.8	5.0
Tallahassee .....	74.2	76.9	77.5	2.8	3.0	3.1	3.7	3.9	4.0
Tampa—St. Petersburg .....	600.2	619.2	618.7	27.7	36.5	37.0	4.6	5.9	6.0
West Palm Beach—Boca Raton .....	230.2	243.6	243.3	10.0	13.9	13.9	4.3	5.7	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		
	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P
<b>GEORGIA</b> .....	2,363.7	2,395.9	2,397.1	139.2	157.2	136.9	5.9	6.6	5.7
Albany.....	48.0	50.0	49.8	3.3	4.0	3.6	6.9	8.0	7.3
Atlanta.....	962.8	978.7	976.4	49.8	58.8	47.4	5.2	6.0	4.8
Augusta.....	121.2	123.7	123.9	7.1	8.6	8.2	5.8	6.9	6.6
Columbus <sup>1</sup> .....	83.1	81.6	81.7	6.2	6.1	5.9	7.5	7.5	7.3
Macon.....	97.9	98.1	98.2	5.5	6.0	5.6	5.7	6.1	5.7
Savannah.....	87.0	88.4	87.8	5.3	5.4	5.1	6.1	6.1	5.8
<b>HAWAII</b> .....	402.3	402.8	405.4	19.2	20.4	21.5	4.8	5.1	5.3
Honolulu.....	315.9	316.4	318.7	14.3	14.9	15.8	4.5	4.7	5.0
<b>IDAHO</b> .....	413.8	414.0	417.9	33.4	36.7	34.7	8.1	8.9	8.3
Boise City.....	89.4	N.A.	N.A.	5.3	N.A.	N.A.	5.9	N.A.	N.A.
<b>ILLINOIS<sup>1</sup></b> .....	5,374.0	5,395.7	5,447.3	400.0	475.0	509.5	7.5	8.8	9.4
Bloomington—Normal.....	60.1	60.3	61.1	3.5	4.2	4.3	5.9	6.9	7.1
Champaign—Urbana—Rantoul.....	83.9	83.7	83.9	4.5	5.0	5.5	5.4	5.9	6.5
Chicago.....	3,370.5	3,380.7	3,399.1	227.4	274.5	296.9	6.7	8.1	8.7
Davenport—Rock Island—Moline <sup>1</sup> .....	185.0	183.5	182.9	11.2	14.0	14.0	6.0	7.6	7.7
Decatur.....	58.6	60.2	60.2	6.3	6.8	7.2	10.8	11.3	11.9
Kankakee.....	41.0	40.0	40.3	4.3	4.8	5.1	10.6	12.1	12.7
Peoria.....	172.0	169.5	172.0	13.0	16.4	18.7	7.6	9.6	10.9
Rockford.....	134.3	131.2	132.0	10.9	14.1	14.9	8.1	10.7	11.3
Springfield.....	95.0	94.3	94.5	7.4	6.7	6.8	7.8	7.1	7.2
<b>INDIANA</b> .....	2,607.0	2,558.9	2,566.5	230.7	252.2	239.9	8.8	9.9	9.3
Anderson.....	60.8	56.3	55.6	9.6	7.3	6.4	15.8	12.9	11.5
Elkhart.....	69.2	65.0	66.1	7.1	6.0	6.3	10.3	9.2	9.5
Evansville <sup>1</sup> .....	144.1	144.0	144.8	9.3	12.0	11.1	6.4	8.3	7.7
Fort Wayne.....	193.3	191.0	189.7	17.5	20.9	18.9	9.1	10.9	10.0
Gary—Hammond—East Chicago.....	294.6	289.9	290.8	26.5	30.8	29.8	9.0	10.6	10.2
Indianapolis.....	594.6	594.0	596.3	40.8	45.4	43.9	6.9	7.6	7.4
Lafayette—West Lafayette.....	62.4	63.0	62.5	4.0	4.4	4.1	6.4	7.0	6.5
Muncie.....	57.6	56.6	57.1	5.6	6.2	6.2	9.8	11.0	10.8
South Bend.....	142.0	136.2	136.0	12.1	13.4	12.5	8.5	9.8	9.2
Terre Haute.....	83.5	80.2	80.1	7.0	7.9	7.7	8.4	9.8	9.6
<b>IOWA</b> .....	1,427.0	1,395.0	1,420.4	73.7	96.0	90.3	5.2	6.9	6.4
Cedar Rapids.....	91.0	87.6	89.1	4.5	6.4	6.7	5.0	7.3	7.5
Des Moines.....	185.2	185.0	186.4	8.2	10.9	10.8	4.4	5.9	5.8
Dubuque.....	46.6	45.2	45.8	3.1	5.0	4.9	6.7	11.1	10.6
Sioux City <sup>1</sup> .....	54.4	52.8	52.8	3.4	3.9	3.5	6.2	7.4	6.7
Waterloo—Cedar Falls.....	70.6	68.8	69.3	3.5	5.0	4.7	4.9	7.2	6.8
<b>KANSAS</b> .....	1,191.0	1,181.6	1,196.7	46.4	56.6	50.0	3.9	4.8	4.2
Lawrence.....	36.1	35.9	36.0	1.5	1.8	1.5	4.2	5.0	4.3
Topeka.....	95.9	96.2	96.4	4.9	5.9	5.1	5.1	6.2	5.3
Wichita.....	228.9	228.0	230.2	8.3	9.7	9.0	3.6	4.2	3.9
<b>KENTUCKY</b> .....	1,579.4	1,626.8	1,621.3	121.7	165.5	147.1	7.7	10.2	9.1
Lexington—Fayette.....	167.2	171.3	172.3	7.3	9.9	10.0	4.4	5.8	5.8
Louisville <sup>1</sup> .....	419.9	427.3	428.4	28.1	38.6	35.8	6.7	9.0	8.4
Owensboro.....	41.1	42.5	42.3	3.1	3.8	3.3	7.4	8.9	7.7
<b>LOUISIANA</b> .....	1,689.5	1,761.0	1,766.4	106.3	126.5	127.2	6.3	7.2	7.2
Alexandria.....	67.1	69.9	70.1	5.6	6.9	7.0	8.4	9.8	10.1
Baton Rouge.....	216.6	225.9	227.1	14.7	17.6	17.8	6.8	7.8	7.8
Lafayette.....	74.5	83.3	84.3	2.8	3.2	3.1	3.8	3.8	3.6
Lake Charles.....	73.9	74.1	74.6	5.8	5.3	5.5	7.8	7.1	7.4
Monroe.....	53.2	55.0	54.7	4.0	5.0	5.0	7.4	9.1	9.1
New Orleans.....	472.9	483.0	481.9	24.2	30.4	30.7	5.1	6.3	6.4
Shreveport.....	152.5	156.6	158.2	9.1	11.2	11.1	5.9	7.1	7.0
<b>MAINE</b> .....	480.8	480.2	487.1	38.8	41.7	42.7	8.1	8.7	8.8
Lewiston—Auburn.....	38.4	37.4	38.4	3.3	3.0	3.6	8.6	8.1	9.4
Portland.....	87.2	88.5	90.3	5.0	5.9	6.1	5.8	6.6	6.8
<b>MARYLAND</b> .....	2,117.6	2,111.2	2,118.5	136.0	160.7	146.4	6.4	7.6	6.9
Baltimore.....	1,057.4	1,053.8	1,052.7	75.3	91.7	82.2	7.1	8.7	7.8

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		
	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P
<b>MASSACHUSETTS<sup>1</sup></b> .....	2,837.0	2,946.8	2,942.4	150.0	188.1	183.1	5.3	6.4	6.2
Boston .....	N.A.	1,450.4	1,445.9	N.A.	78.0	77.7	N.A.	5.4	5.4
Brockton .....	N.A.	81.4	81.5	N.A.	6.5	6.3	N.A.	8.0	7.7
Fall River <sup>1</sup> .....	N.A.	75.1	74.0	N.A.	6.6	6.5	N.A.	8.8	8.8
Lawrence—Haverhill <sup>1</sup> .....	N.A.	144.5	144.9	N.A.	9.0	8.2	N.A.	6.3	5.7
Lowell .....	N.A.	124.6	122.7	N.A.	7.7	7.7	N.A.	6.2	6.3
New Bedford .....	N.A.	82.1	83.2	N.A.	8.4	7.8	N.A.	10.2	9.4
Springfield—Chicopee—Holyoke .....	N.A.	277.3	275.9	N.A.	18.0	17.3	N.A.	6.5	6.3
Worcester .....	N.A.	200.5	197.7	N.A.	11.8	11.0	N.A.	5.9	5.6
<b>MICHIGAN<sup>1</sup></b> .....	4,248.0	4,250.6	4,258.4	475.0	604.0	563.6	11.2	14.2	13.2
Ann Arbor .....	145.3	144.1	144.7	9.9	12.4	11.9	6.8	8.6	8.2
Battle Creek .....	78.0	79.5	79.1	7.5	10.9	9.8	9.7	13.7	12.4
Bay City .....	51.9	52.9	52.4	6.9	7.8	7.8	13.2	14.8	14.9
Detroit .....	2,024.4	1,998.7	1,997.7	243.0	295.0	267.3	12.0	14.8	13.4
Flint .....	224.9	231.5	233.4	33.1	38.9	38.6	14.7	16.8	16.5
Grand Rapids .....	304.3	313.1	315.2	21.0	30.9	29.2	6.9	9.9	9.3
Jackson .....	65.6	65.4	65.7	5.9	8.5	8.0	9.0	13.0	12.2
Kalamazoo—Portage .....	133.5	132.5	133.3	9.2	14.1	13.0	6.9	10.7	9.7
Lansing—East Lansing .....	232.0	237.4	239.9	18.5	28.6	27.8	8.0	12.1	11.6
Muskegon—Norton Shores—Muskegon Heights .....	76.1	78.3	77.5	8.4	13.0	11.5	11.1	16.5	14.9
Saginaw .....	101.1	99.4	100.1	12.2	12.2	11.8	12.1	12.3	11.8
<b>MINNESOTA</b> .....	2,079.8	2,103.9	2,126.9	124.4	146.0	131.8	6.0	6.9	6.2
Duluth—Superior <sup>1</sup> .....	117.1	114.8	114.7	10.1	11.1	10.3	8.6	9.6	9.0
Minneapolis—St. Paul .....	1,114.5	1,137.9	1,156.0	45.8	59.9	54.6	4.1	5.3	4.7
Rochester .....	54.1	55.3	56.1	2.7	2.9	2.6	4.9	5.2	4.7
St. Cloud .....	71.4	73.8	74.8	6.0	7.0	6.1	8.4	9.5	8.2
<b>MISSISSIPPI</b> .....	1,011.5	1,010.2	1,022.5	65.9	88.7	88.2	6.5	8.8	8.6
Jackson .....	150.0	150.5	151.9	5.9	8.9	9.1	4.0	5.9	6.0
<b>MISSOURI</b> .....	2,280.7	2,273.6	2,309.3	153.4	192.3	175.5	6.7	8.5	7.6
Kansas City <sup>1</sup> .....	680.9	679.2	688.8	36.0	52.6	42.8	5.3	7.7	6.2
St. Joseph .....	44.0	45.5	46.3	3.1	4.0	3.9	7.1	8.7	8.4
St. Louis <sup>1</sup> .....	1,090.0	1,087.4	1,099.3	85.1	96.9	95.9	7.8	8.9	8.7
Springfield .....	103.9	104.1	105.8	5.2	7.0	6.4	5.0	6.7	6.1
<b>MONTANA</b> .....	363.0	362.4	370.9	23.4	27.5	25.6	6.5	7.6	6.9
Billings .....	55.4	57.1	57.7	2.9	3.3	3.0	5.3	5.8	5.1
Great Falls .....	33.7	34.2	34.6	2.2	2.9	2.6	6.6	8.5	7.6
<b>NEBRASKA</b> .....	765.0	761.5	778.1	30.1	39.7	37.3	3.9	5.2	4.8
Lincoln .....	110.9	111.2	110.3	3.9	5.5	5.1	3.5	4.9	4.6
Omaha <sup>1</sup> .....	281.4	279.1	283.0	14.9	18.0	17.3	5.3	6.5	6.1
<b>NEVADA</b> .....	368.5	388.9	389.3	20.4	29.2	27.5	5.5	7.5	7.1
Las Vegas .....	205.6	216.1	216.4	12.3	18.1	17.3	6.0	8.4	8.0
Reno .....	105.1	109.0	108.9	4.8	6.5	6.0	4.5	5.9	5.5
<b>NEW HAMPSHIRE</b> .....	449.7	454.3	461.9	18.8	23.7	22.6	4.2	5.2	4.9
Manchester .....	80.5	80.5	81.3	4.0	4.7	4.4	4.9	5.8	5.4
Nashua .....	75.6	77.3	78.4	2.9	3.7	3.4	3.9	4.8	4.4
<b>NEW JERSEY<sup>2</sup></b> .....	3,544.0	3,524.7	3,584.7	243.0	270.4	307.7	6.8	7.7	8.6
Atlantic City .....	98.6	106.6	111.7	9.8	9.8	10.7	9.9	9.2	9.6
Jersey City .....	244.7	237.6	243.4	23.1	26.5	31.1	9.5	11.1	12.8
Long Branch—Asbury Park .....	225.7	233.9	239.8	16.9	16.5	20.3	7.5	7.1	8.5
New Brunswick—Perth Amboy—Sayreville .....	327.2	323.5	329.3	18.7	18.6	22.0	5.7	5.8	6.7
Newark .....	971.4	967.7	982.2	63.7	68.9	82.0	6.6	7.1	8.3
Paterson—Clifton—Passaic .....	212.6	209.7	213.2	18.3	19.5	22.3	8.6	9.3	10.5
Trenton .....	163.5	161.4	163.2	9.6	9.9	10.7	5.9	6.1	6.6
Vineland—Millville—Bridgeton .....	59.6	58.9	59.9	6.5	8.2	8.7	11.0	14.0	14.5
<b>NEW MEXICO</b> .....	536.4	539.0	548.1	37.4	44.6	45.7	7.0	8.3	8.3
Albuquerque .....	202.9	202.2	204.8	13.9	17.2	17.2	6.9	8.5	8.4

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		
	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P
<b>NEW YORK<sup>2</sup></b> .....	7,929.0	8,072.8	8,015.1	582.0	664.8	678.2	7.3	8.2	8.5
Albany—Schenectady—Troy.....	381.4	390.2	387.2	20.9	26.5	25.4	5.5	6.8	6.6
Binghamton <sup>1</sup> .....	140.2	144.4	143.1	8.3	10.4	10.0	5.9	7.2	7.0
Buffalo.....	577.7	589.7	580.2	51.1	60.8	55.4	8.8	10.3	9.5
Elmira.....	39.9	41.4	40.9	3.1	3.4	3.6	7.7	8.2	8.7
Nassau-Suffolk.....	1,309.5	1,336.9	1,327.4	72.1	83.4	78.6	5.5	6.2	5.9
New York.....	3,573.1	3,600.9	3,594.5	287.4	311.6	344.4	8.0	8.7	9.6
New York City <sup>2</sup> .....	2,964.0	2,975.0	2,974.0	261.0	279.0	313.0	8.8	9.4	10.5
Poughkeepsie.....	107.9	111.3	110.2	5.4	6.7	6.9	5.0	6.0	6.3
Rochester.....	469.4	485.4	478.4	27.8	32.1	29.8	5.9	6.6	6.2
Syracuse.....	303.0	312.7	306.8	21.6	25.1	23.5	7.1	8.0	7.6
Utica—Rome.....	135.9	140.9	139.2	9.5	12.5	11.8	7.0	8.9	8.5
<b>NORTH CAROLINA</b> .....	2,690.5	2,706.6	2,725.5	160.0	195.8	187.7	5.9	7.2	6.9
Asheville.....	80.0	80.8	81.7	4.2	6.3	6.4	5.3	7.8	7.8
Charlotte—Gastonia.....	343.1	345.2	346.9	13.6	17.4	16.8	4.0	5.1	4.8
Greensboro—Winston-Salem—High Point.....	406.8	412.7	416.0	19.3	24.9	23.0	4.7	6.0	5.5
Raleigh—Durham.....	287.1	287.7	290.4	11.7	13.1	13.1	4.1	4.5	4.5
<b>NORTH DAKOTA</b> .....	296.2	298.9	313.1	15.5	19.5	19.8	5.2	6.5	6.3
Fargo—Moorehead <sup>1</sup> .....	70.0	71.5	70.8	3.9	4.9	5.0	5.5	6.8	7.0
<b>OHIO<sup>2</sup></b> .....	4,942.0	4,940.7	5,054.1	331.0	496.0	470.1	6.7	10.0	9.3
Akron.....	296.2	292.2	297.9	21.3	28.8	27.0	7.2	9.8	9.1
Canton.....	181.2	179.1	183.3	12.5	17.9	17.9	6.9	10.0	9.7
Cincinnati <sup>1</sup> .....	652.9	664.9	677.6	38.2	57.6	56.0	5.9	8.7	8.3
Cleveland.....	917.7	907.8	930.3	51.7	78.0	77.0	5.6	8.6	8.3
Columbus.....	539.1	548.2	562.2	24.5	41.6	41.1	4.5	7.6	7.3
Dayton.....	381.8	377.8	387.1	24.4	30.5	30.0	6.4	8.1	7.8
Toledo <sup>1</sup> .....	358.2	356.8	364.5	32.4	43.0	40.0	9.0	12.1	11.0
Youngstown—Warren.....	230.7	228.2	228.5	21.0	34.5	27.6	9.1	15.1	12.1
<b>OKLAHOMA</b> .....	1,302.3	1,358.1	1,369.8	56.0	67.2	54.7	4.3	4.9	4.0
Oklahoma City.....	395.8	416.6	421.8	15.6	18.2	15.1	3.9	4.4	3.6
Tulsa.....	319.4	336.5	340.1	13.3	15.4	12.8	4.2	4.6	3.8
<b>OREGON</b> .....	1,268.7	1,266.7	1,286.6	99.7	134.4	128.9	7.9	10.6	10.0
Eugene—Springfield.....	133.3	133.4	135.6	12.6	15.0	15.8	9.4	11.3	11.6
Portland <sup>1</sup> .....	625.3	621.0	631.9	34.1	54.2	47.2	5.5	8.7	7.5
Salem.....	119.0	118.3	119.3	9.4	11.2	10.7	7.9	9.5	8.9
<b>PENNSYLVANIA<sup>1</sup></b> .....	5,345.0	5,323.6	5,419.9	410.0	456.3	426.5	7.7	8.6	7.9
Allentown—Bethlehem—Easton <sup>1</sup> .....	299.7	305.4	311.5	18.8	26.9	26.1	6.3	8.8	8.4
Altoona.....	60.3	56.6	57.6	5.9	7.3	6.8	9.8	12.9	11.8
Erie.....	127.1	123.9	125.8	11.1	12.4	11.9	8.7	10.0	9.5
Harrisburg.....	217.9	224.5	228.3	12.3	14.2	13.2	5.7	6.3	5.8
Johnstown.....	111.3	105.4	106.4	13.1	14.5	13.4	11.8	13.8	12.6
Lancaster.....	176.6	177.9	181.8	8.7	10.6	9.7	4.9	6.0	5.3
Northeast Pennsylvania.....	286.5	285.1	288.1	27.9	31.4	28.2	9.7	11.0	9.8
Philadelphia <sup>1</sup> .....	2,142.6	2,106.5	2,148.4	144.9	151.4	151.2	6.8	7.2	7.0
Pittsburgh.....	1,010.3	1,015.3	1,035.8	68.7	79.0	73.1	6.8	7.8	7.1
Reading.....	154.9	157.0	160.1	12.2	12.5	12.1	7.9	8.0	7.6
Williamsport.....	53.3	53.4	53.8	6.6	7.0	6.3	12.4	13.1	11.8
York.....	173.1	175.5	177.8	11.0	14.9	13.0	6.4	8.5	7.3
<b>RHODE ISLAND</b> .....	456.0	462.9	464.5	34.4	40.2	38.3	7.5	8.7	8.2
Providence—Warwick—Pawtucket <sup>1</sup> .....	N.A.	459.6	460.6	N.A.	39.3	37.6	N.A.	8.5	8.2
<b>SOUTH CAROLINA</b> .....	1,289.7	1,312.2	1,316.1	74.6	105.3	104.4	5.8	8.0	7.9
Charleston—North Charleston.....	153.8	157.6	158.3	9.0	11.1	11.1	5.8	7.0	7.0
Columbia.....	171.9	175.9	176.4	6.8	9.7	10.1	4.0	5.5	5.7
Greenville—Spartanburg.....	259.0	264.5	264.8	12.0	18.6	18.2	4.6	7.0	6.9
<b>SOUTH DAKOTA</b> .....	329.6	321.1	327.2	15.8	18.9	18.2	4.8	5.9	5.6
Rapid City.....	N.A.	40.4	41.2	N.A.	2.7	2.6	N.A.	6.6	6.2
Sioux Falls.....	N.A.	62.5	62.1	N.A.	3.5	3.3	N.A.	5.6	5.4
<b>TENNESSEE</b> .....	2,004.2	1,980.2	1,986.2	130.9	174.1	166.6	6.5	8.8	8.4
Chattanooga <sup>1</sup> .....	190.2	186.8	186.9	11.5	15.0	14.9	6.0	8.0	8.0
Knoxville.....	209.7	213.3	213.1	10.4	14.9	14.5	5.0	7.0	6.8
Memphis <sup>1</sup> .....	N.A.	384.1	385.5	N.A.	27.2	27.1	N.A.	7.1	7.0
Nashville—Davidson.....	412.5	403.4	404.1	20.5	26.3	25.5	5.0	6.5	6.3

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P	MAR. 1980	FEB. 1981	MAR. 1981P
<b>TEXAS</b> <sup>1</sup>	6,307.0	6,561.6	6,596.7	360.0	309.7	312.4	5.7	4.7	4.7
Amarillo	85.5	86.9	87.4	4.0	3.5	3.1	4.6	4.0	3.5
Austin	250.6	260.2	261.4	9.5	7.7	7.7	3.8	3.0	3.0
Beaumont—Port Arthur—Orange	166.6	168.3	168.5	13.4	9.7	10.0	8.1	5.8	5.9
Corpus Christi	142.6	143.5	144.9	9.4	8.0	7.8	6.6	5.5	5.4
Dallas—Fort Worth	1,488.0	1,573.8	1,586.0	69.0	64.0	64.8	4.6	4.1	4.1
El Paso	172.4	175.4	176.2	17.5	15.4	15.7	10.2	8.8	8.9
Gaiveston—Texas City	81.3	84.6	85.3	5.9	5.3	5.5	7.2	6.3	6.4
Houston	1,448.6	1,517.2	1,525.1	68.6	53.2	55.6	4.7	3.5	3.6
Lubbock	98.8	100.3	101.0	4.3	3.8	3.9	4.4	3.8	3.9
San Antonio	418.7	434.1	434.9	30.7	25.3	26.2	7.3	5.8	6.0
Waco	78.9	81.7	81.9	4.7	3.6	3.8	6.0	4.5	4.6
Wichita Falls	59.5	61.3	61.6	2.6	1.9	1.9	4.3	3.1	3.1
<b>UTAH</b>	595.9	599.7	603.5	35.2	46.0	43.5	5.9	7.7	7.2
Salt Lake City—Ogden	392.9	396.8	398.4	21.6	29.4	27.9	5.5	7.4	7.0
<b>VERMONT</b>	244.7	249.1	247.6	15.9	18.4	17.2	6.5	7.4	7.0
<b>VIRGINIA</b>	2,484.7	2,526.0	2,543.4	118.3	139.9	131.4	4.8	5.5	5.2
Lynchburg	75.8	76.2	76.4	3.3	3.8	3.5	4.4	5.0	4.6
Newport News—Hampton	159.8	168.3	169.7	8.1	8.9	8.7	5.0	5.3	5.1
Norfolk—Virginia Beach—Portsmouth <sup>1</sup>	321.8	326.9	329.3	17.2	20.3	17.8	5.4	6.2	5.4
Petersburg—Colonial Heights—Hopewell	62.9	59.4	59.6	3.3	3.9	3.8	5.2	6.6	6.3
Richmond	325.5	332.4	335.1	10.9	11.3	11.3	3.3	3.4	3.4
Roanoke	109.4	110.1	110.6	4.6	5.5	5.1	4.2	5.0	4.6
<b>WASHINGTON</b>	1,882.5	1,910.7	1,929.3	135.6	175.3	173.3	7.2	9.2	9.0
Seattle—Everett	827.2	849.7	851.8	44.3	61.5	62.3	5.4	7.2	7.3
Spokane	144.4	146.8	147.3	10.7	14.6	14.0	7.4	9.9	9.5
Tacoma	170.0	172.3	173.8	11.8	15.5	15.7	6.9	9.0	9.1
<b>WEST VIRGINIA</b>	756.1	763.1	759.2	70.0	90.5	86.5	9.3	11.9	11.4
Charleston	125.8	127.2	125.6	9.2	13.0	11.8	7.3	10.2	9.4
Huntington—Ashland <sup>1</sup>	122.0	125.5	127.0	11.5	15.1	15.4	9.4	12.1	12.1
Parkersburg—Marietta <sup>1</sup>	71.0	71.0	71.2	5.7	7.7	7.2	8.0	10.8	10.1
Wheeling <sup>1</sup>	81.3	80.3	80.7	7.2	9.0	8.5	8.9	11.2	10.5
<b>WISCONSIN</b>	2,382.2	2,364.2	2,384.4	168.0	211.1	211.9	7.1	8.9	8.9
Appleton—Oshkosh	149.2	146.1	147.3	9.8	13.2	12.7	6.6	9.1	8.6
Eau Claire	57.4	57.9	58.1	6.5	5.0	4.9	11.3	8.7	8.4
Green Bay	87.6	88.3	89.2	6.6	7.9	7.7	7.5	8.9	8.6
Janeville—Beloit	70.8	68.4	67.7	9.6	5.5	10.4	13.5	8.1	15.4
Kenosha	61.5	57.5	57.5	3.8	9.5	9.6	6.2	16.5	16.6
La Crosse	47.0	48.6	49.1	2.9	4.0	4.0	6.1	8.2	8.1
Madison	179.7	180.1	182.2	9.0	10.7	10.5	5.0	6.0	5.8
Milwaukee	725.7	720.8	728.3	39.3	55.2	54.9	5.4	7.7	7.5
Racine	88.7	87.4	88.9	5.5	9.5	9.4	6.2	10.8	10.5
<b>WYOMING</b>	215.8	218.5	224.6	8.7	12.0	12.2	4.0	5.5	5.4

<sup>1</sup> Includes interstate portion of area located in adjacent State.

<sup>2</sup> 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.

# **ANNUAL AVERAGES**

## **STATES AND AREAS**

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

Employees on nonagricultural payrolls for States and selected areas by industry division

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980
1 ALABAMA	1,336.5	1,262.0	1,358.3	14.1	16.7	16.9	78.8	75.4	72.1	368.9	374.9	362.0
2 Birmingham	348.7	358.0	353.4	7.8	9.9	9.8	23.8	21.7	20.1	68.6	70.3	64.5
3 Huntsville	117.5	120.0	119.1	(1)	(1)	(1)	4.6	4.5	4.0	35.3	36.7	35.8
4 Mobile	147.4	148.3	151.0	(1)	(1)	(1)	11.5	10.7	11.7	30.0	29.8	28.7
5 Montgomery	102.9	108.0	108.3	(1)	(1)	(1)	6.7	8.6	7.7	15.8	16.2	16.3
6 Tuscaloosa	49.0	50.2	45.8	1.1	1.4	2.1	2.9	2.8	2.3	9.1	9.3	8.5
7 ALASKA	163.5	166.9	169.4	5.6	5.8	6.5	12.2	10.1	10.3	11.6	12.7	13.4
8 ARIZONA	895.4	979.9	1,003.3	19.4	21.8	20.4	71.0	86.5	75.2	126.9	144.1	152.6
9 Phoenix	555.6	613.4	631.0	.2	.3	.4	45.2	56.5	50.2	94.1	106.6	112.8
10 Tucson	161.7	176.6	182.9	5.8	6.7	6.6	12.7	16.0	14.1	14.8	18.2	20.9
11 ARKANSAS	732.7	749.4	744.9	4.6	4.8	5.2	39.9	41.9	37.7	217.5	217.8	210.4
12 Fayetteville—Springdale	61.7	64.0	64.1	(1)	(1)	(1)	3.2	3.2	2.8	18.7	19.7	19.0
13 Fort Smith	68.2	68.3	66.8	.7	.9	1.0	3.2	3.1	2.7	25.2	23.8	21.5
14 Little Rock—North Little Rock	175.6	181.5	180.2	(1)	(1)	(1)	9.9	9.9	9.3	32.0	31.9	30.7
15 Pine Bluff	31.6	32.7	32.9	(1)	(1)	(1)	2.2	3.0	3.1	6.4	6.2	6.2
16 CALIFORNIA	9,199.8	9,664.6	9,837.6	37.1	35.3	42.9	417.5	463.3	421.3	1,875.2	2,002.7	2,001.1
17 Anaheim—Santa Ana—Garden Grove	747.3	804.2	838.7	2.2	2.2	2.3	46.7	51.4	49.9	190.0	216.0	222.2
18 Bakersfield	120.3	125.7	130.2	10.1	10.7	11.1	6.6	7.2	7.6	9.1	9.4	9.3
19 Fresno	172.9	179.9	182.7	.8	.9	1.0	11.1	12.4	11.0	22.8	23.5	23.0
20 Los Angeles—Long Beach	3,431.3	3,584.5	3,620.2	11.4	12.0	12.9	108.6	119.8	119.2	877.9	924.9	916.0
21 Modesto	83.2	87.2	88.1	.1	.1	.1	5.9	6.5	5.7	18.9	20.1	19.3
22 Oxnard—Simi Valley—Ventura	138.7	147.7	154.4	2.4	2.5	2.6	7.3	8.7	8.6	21.4	23.3	24.4
23 Riverside—San Bernardino—Ontario	408.2	430.2	425.0	2.5	2.6	2.3	26.0	29.6	26.6	64.1	67.2	64.4
24 Sacramento	375.8	393.4	399.3	.4	.4	.5	21.1	23.6	19.3	26.5	27.8	27.2
25 Salinas—Seaside—Monterey	84.3	86.8	87.8	.5	.5	.4	3.6	3.6	3.3	9.6	9.8	8.9
26 San Diego	599.3	636.7	649.3	.7	.7	.6	37.8	41.7	36.4	90.9	102.2	108.0
27 San Francisco—Oakland	1,474.0	1,521.0	1,561.6	2.0	2.5	3.2	68.1	74.8	74.3	199.2	205.0	203.5
28 San Jose	585.8	637.2	676.2	.1	.2	.2	22.9	26.2	25.4	196.7	224.3	241.7
29 Santa Barbara—Santa Maria—Lompoc	113.1	118.8	122.1	1.1	1.2	1.5	4.9	5.2	5.1	14.9	16.6	16.4
30 Santa Rosa	83.0	85.1	92.5	.4	.4	.4	5.1	6.3	5.9	12.6	14.3	14.9
31 Stockton	113.2	118.4	117.8	.1	.1	.1	5.7	6.3	5.7	20.1	21.6	20.7
32 Vallejo—Fairfield—Napa	93.7	97.6	99.9	.3	.4	.5	4.6	5.2	5.0	9.9	10.7	10.9
33 COLORADO	1,150.0	1,218.5	1,251.1	27.3	30.6	34.5	72.6	80.2	77.0	168.2	180.7	181.4
34 Denver—Boulder	733.9	777.0	797.9	14.8	16.3	18.6	44.7	48.8	47.1	116.6	124.1	125.2
35 CONNECTICUT	1,346.1	1,357.7	1,424.4	(2)	(2)	(2)	47.9	52.3	49.0	419.6	436.3	441.8
36 Bridgeport	158.6	166.4	171.6	(2)	(2)	(2)	4.9	5.1	4.3	62.6	65.2	65.9
37 Hartford	369.2	385.1	398.7	(2)	(2)	(2)	12.1	13.0	13.3	88.4	95.9	100.3
38 New Britain	60.0	62.9	65.1	(2)	(2)	(2)	2.1	2.2	2.2	28.4	29.2	30.1
39 New Haven—West Haven	187.8	192.0	193.5	(2)	(2)	(2)	6.3	7.1	7.2	45.5	44.8	43.5
40 Stamford	101.7	106.9	108.9	(2)	(2)	(2)	4.6	5.1	5.6	30.0	31.2	31.6
41 Waterbury	85.4	88.5	89.4	(2)	(2)	(2)	3.1	3.1	2.9	32.6	34.5	33.7
42 DELAWARE	247.8	256.7	258.4	(1)	(1)	(1)	15.0	15.6	14.6	69.0	70.2	71.0
43 Wilmington	218.5	228.8	230.1	(1)	(1)	(1)	15.1	16.1	15.4	63.9	64.7	64.9
44 DISTRICT OF COLUMBIA	596.3	612.5	615.3	(1)	(1)	(1)	14.5	14.3	13.5	15.0	15.3	15.4
45 Washington SMSA	1,478.7	1,545.3	1,571.1	(1)	(1)	(1)	80.9	82.0	75.7	51.8	54.9	56.0
46 FLORIDA	3,180.6	3,381.2	3,570.5	9.5	10.1	10.6	209.5	241.4	267.0	415.5	443.6	457.2
47 Bradenton	39.0	41.9	43.5	-	-	-	3.0	3.8	4.0	6.4	7.0	7.3
48 Daytona Beach	65.8	74.4	77.0	(1)	(1)	(1)	4.0	4.5	4.6	7.1	8.1	8.2
49 Fort Lauderdale—Hollywood	299.9	328.7	351.2	(1)	(1)	(1)	23.5	28.5	32.2	36.1	39.9	41.5
50 Fort Myers—Cape Coral	57.3	61.4	64.7	(1)	(1)	(1)	7.1	7.9	8.2	3.6	3.8	3.7
51 Gainesville	60.3	63.5	65.4	(1)	(1)	(1)	3.2	3.2	3.9	3.9	4.1	4.6
52 Jacksonville	279.6	286.8	291.9	(1)	(1)	(1)	15.7	15.7	15.8	33.0	34.5	34.1
53 Lakeland—Winter Haven	106.7	112.7	116.4	5.5	5.6	5.7	7.6	8.2	8.4	19.6	21.0	21.9
54 Melbourne—Titusville—Cocoa	89.0	97.5	102.1	(1)	(1)	(1)	5.4	6.4	6.2	16.9	20.4	22.4
55 Miami	654.4	685.6	726.9	(1)	(1)	(1)	30.2	34.8	38.4	96.4	98.6	101.5
56 Orlando	250.2	271.7	286.4	(1)	(1)	(1)	15.1	18.0	19.2	31.7	34.9	36.1
57 Panama City	32.1	32.5	32.7	(1)	(1)	(1)	2.1	2.1	2.0	3.6	3.4	3.5
58 Pensacola	93.2	96.1	96.9	(1)	(1)	(1)	6.1	6.6	6.9	13.2	13.2	12.7
59 Sarasota	53.7	68.5	70.3	(1)	(1)	(1)	6.7	7.7	7.3	5.7	6.1	6.2
60 Tallahassee	67.2	71.2	74.1	(1)	(1)	(1)	3.2	3.6	3.7	2.5	2.7	2.9
61 Tampa—St. Petersburg	486.0	521.2	543.5	(1)	(1)	(1)	32.4	37.7	39.4	67.5	73.0	75.2
62 West Palm Beach—Boca Raton	173.9	193.6	209.1	(1)	(1)	(1)	15.1	18.7	20.7	22.9	26.5	28.7

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**1. 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			
AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	
65.8	71.7	71.5	269.7	275.6	273.3	57.5	58.3	58.6	191.8	197.8	204.4	285.9	291.6	295.5	1
27.2	28.7	29.1	83.4	85.2	83.3	22.4	22.7	22.9	62.2	64.6	66.8	53.3	54.9	56.9	2
2.6	2.7	2.6	21.6	22.0	21.5	3.5	3.4	3.5	16.8	17.0	17.4	33.1	33.7	34.3	3
10.7	10.9	10.9	36.1	36.3	36.9	6.9	7.0	7.1	26.9	27.8	28.9	24.4	25.8	26.8	4
4.7	4.8	4.8	24.1	24.0	23.7	5.9	6.1	6.2	18.3	19.4	20.2	27.4	28.9	29.4	5
1.8	1.9	1.8	9.7	9.8	9.5	1.6	1.7	1.7	5.9	6.0	6.2	16.9	17.3	17.7	6
16.3	16.7	17.0	28.8	29.4	29.1	8.7	8.5	8.2	28.7	29.4	30.0	51.6	54.4	55.0	7
44.6	48.8	50.2	215.4	233.4	240.6	50.2	55.6	57.4	173.1	193.5	205.1	194.8	196.2	201.6	8
26.2	29.2	30.3	143.0	155.6	160.6	38.6	42.9	44.7	110.0	123.6	130.8	97.9	98.7	101.1	9
8.1	8.7	8.7	36.8	39.3	40.5	7.1	8.0	8.2	33.9	36.8	39.7	42.5	42.9	44.2	10
41.3	43.6	43.3	158.7	162.1	160.5	30.4	31.0	31.2	104.4	105.1	115.2	135.9	139.1	141.4	11
3.3	3.7	3.9	14.8	15.3	15.5	2.1	2.2	2.3	7.9	8.5	9.3	11.7	11.4	11.3	12
3.5	3.7	3.7	14.3	14.5	14.3	2.3	2.4	2.5	11.1	11.4	12.3	7.9	8.5	8.8	13
12.7	13.9	13.8	40.6	42.0	41.9	12.2	12.3	12.4	31.8	33.6	33.8	36.4	37.9	38.3	14
2.8	4.1	4.0	6.4	6.6	6.6	1.3	1.3	1.4	4.7	4.9	4.9	6.8	6.6	6.7	15
506.5	534.7	542.5	2,126.0	2,223.8	2,267.5	553.2	595.9	620.9	1,531.3	2,070.0	2,164.6	1,753.1	1,735.0	1,766.5	16
22.0	26.2	27.6	181.0	192.0	201.2	46.8	53.0	56.8	147.7	162.4	173.1	101.9	100.9	105.7	17
7.1	7.6	7.7	30.8	32.3	33.5	4.4	4.6	4.8	20.6	22.2	23.6	31.6	31.8	32.7	18
5.9	10.5	10.9	45.6	47.2	48.9	9.7	10.6	10.9	33.0	34.9	36.2	40.0	40.0	40.8	19
187.8	198.3	198.7	787.9	814.1	817.7	212.0	224.2	233.1	758.0	808.7	830.7	487.9	482.8	492.1	20
5.7	3.8	3.9	19.9	21.3	21.8	2.9	3.3	3.4	15.1	16.0	16.9	16.8	16.2	17.1	21
5.8	6.2	6.6	33.0	34.5	36.3	6.1	7.0	7.5	26.0	28.8	30.9	36.7	36.2	37.6	22
21.8	24.2	25.5	98.1	103.3	106.9	17.0	18.6	18.6	82.3	87.4	90.3	96.4	97.4	100.3	23
20.0	21.6	21.7	86.4	91.6	93.9	18.7	20.8	22.3	65.3	70.0	73.4	137.5	137.6	141.1	24
4.7	4.8	4.9	21.8	22.5	22.7	4.0	4.2	4.4	17.8	19.0	19.5	22.3	22.4	23.8	25
26.0	28.0	28.4	139.0	146.4	147.7	33.2	37.2	38.6	130.8	142.5	148.6	140.9	138.1	141.0	26
123.9	126.0	129.8	339.9	351.2	361.2	132.4	139.9	146.2	314.4	335.6	350.6	294.1	286.1	292.9	27
19.7	21.1	21.6	111.9	119.4	127.2	23.5	25.8	27.3	130.5	141.5	152.6	80.5	78.9	80.2	28
4.3	4.6	5.0	28.3	29.3	30.0	5.1	5.4	5.6	29.6	32.1	34.1	25.0	24.3	24.5	29
4.0	4.2	4.5	20.2	21.4	22.5	5.0	5.5	5.7	16.1	17.4	18.3	19.6	19.6	20.2	30
7.7	8.4	8.1	26.4	27.2	27.6	4.8	4.9	5.0	21.1	22.9	23.8	27.3	26.9	26.9	31
4.1	4.5	4.7	19.4	20.6	21.2	3.2	3.4	3.3	16.9	18.3	19.2	35.4	34.6	35.2	32
70.8	76.1	75.8	282.3	297.7	305.0	68.4	74.0	76.7	226.4	240.5	253.4	234.0	238.6	243.3	33
45.7	53.9	56.1	178.6	188.3	192.6	45.1	52.7	54.1	149.1	158.6	167.1	131.3	134.3	137.1	34
57.8	60.8	60.9	284.2	294.8	299.2	95.2	99.6	104.5	262.2	272.6	286.4	179.2	181.3	182.6	35
5.9	6.1	6.3	32.8	34.4	36.6	6.7	6.8	7.3	29.6	32.2	33.8	16.1	16.6	17.4	36
14.5	13.8	13.8	77.6	80.5	81.6	54.3	57.1	60.7	70.2	71.6	74.9	52.3	53.2	54.1	37
1.4	3.0	3.3	10.4	10.3	10.8	1.6	1.8	1.8	9.4	9.9	10.4	6.7	6.5	6.5	38
15.3	15.9	16.2	39.5	41.1	41.1	10.0	10.4	10.9	45.2	47.4	48.9	26.1	25.3	25.7	39
2.6	3.8	4.1	23.7	23.9	23.6	7.0	7.4	7.6	24.0	25.6	26.3	8.7	9.9	10.1	40
3.0	3.2	3.1	15.4	15.5	15.7	3.1	3.4	3.5	17.3	17.9	19.3	10.8	10.9	11.2	41
12.7	12.4	12.3	54.7	56.5	56.0	11.2	11.6	11.9	42.6	45.8	47.6	42.8	44.4	45.1	42
12.0	12.0	11.9	44.9	47.8	47.5	10.3	10.9	11.1	37.4	41.1	42.8	34.9	36.2	36.6	43
25.6	26.0	25.6	64.5	65.3	64.2	33.9	34.7	35.4	161.2	172.5	179.1	281.6	284.5	282.1	44
64.1	66.6	67.7	283.7	296.2	299.8	84.4	88.2	90.7	370.3	402.7	422.3	543.6	554.7	558.8	45
154.2	208.5	219.3	836.9	889.5	931.7	219.3	235.0	252.6	653.9	752.6	815.8	601.8	600.5	616.3	46
1.3	1.4	1.5	11.3	11.9	11.4	2.4	2.6	2.9	7.1	7.8	8.1	7.5	7.4	8.3	47
2.7	3.0	3.2	20.0	21.1	21.7	3.5	4.1	4.3	19.0	20.0	20.8	13.1	13.6	14.2	48
14.4	15.9	16.9	87.5	90.9	102.0	24.0	27.0	28.6	71.5	76.8	83.6	42.9	43.7	46.4	49
2.3	3.5	3.8	16.5	18.3	18.9	4.5	5.2	5.8	11.3	12.3	13.8	11.0	10.4	10.5	50
1.5	1.6	1.6	13.5	13.8	13.8	2.5	2.7	2.7	9.0	10.4	10.6	26.7	27.7	28.2	51
22.2	23.4	23.9	73.4	74.8	74.9	27.4	27.4	27.4	54.8	58.2	62.1	53.1	52.8	53.7	52
4.8	4.9	5.0	26.6	28.2	29.0	5.6	6.1	6.6	20.3	22.1	22.8	16.7	16.6	17.0	53
4.0	4.4	4.5	19.3	20.9	21.4	3.7	4.0	4.0	20.7	22.9	24.4	19.0	18.5	19.0	54
62.2	67.9	71.9	165.7	180.4	188.9	47.4	49.0	52.7	158.0	167.3	176.9	90.5	91.6	96.6	55
12.2	14.3	15.0	69.7	75.0	76.6	16.4	17.8	19.4	64.9	70.9	78.7	40.2	40.8	41.4	56
1.7	1.8	2.0	9.1	9.0	8.5	1.6	1.7	1.7	5.6	6.0	6.4	8.4	8.5	8.6	57
4.6	5.1	5.2	22.0	22.6	22.0	4.1	4.4	4.3	18.1	19.3	20.9	25.1	24.9	24.9	58
2.7	2.8	3.0	18.5	20.1	20.1	5.1	5.6	6.0	15.6	16.6	17.6	9.4	9.6	10.1	59
2.2	2.3	2.3	13.7	14.6	14.7	3.0	3.2	3.4	9.5	11.1	12.5	33.1	33.7	34.6	60
27.6	28.9	30.2	136.7	144.1	148.4	33.9	36.5	38.9	110.5	122.1	129.9	77.4	78.9	81.4	61
7.4	8.0	8.3	44.8	49.3	52.5	13.5	16.1	17.5	41.2	45.8	49.9	29.0	29.1	30.5	62



**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**1. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980
1 GEORGIA .....	2,050.1	2,127.5	2,146.4	7.5	7.7	7.7	101.2	103.6	103.1	515.8	528.5	516.2
2 Albany .....	41.3	42.8	43.9	(1)	(1)	(1)	3.3	3.9	3.0	10.0	10.6	10.7
3 Atlanta .....	888.4	940.2	960.3	(1)	(1)	(1)	41.2	43.5	45.3	138.4	143.8	142.5
4 Augusta .....	117.4	120.8	122.9	(1)	(1)	(1)	7.0	6.6	5.5	35.7	36.1	36.1
5 Columbus .....	81.6	82.0	80.5	(1)	(1)	(1)	5.0	4.3	3.9	21.0	21.2	21.1
6 Macon .....	96.1	96.2	97.1	(1)	(1)	(1)	4.7	4.6	5.1	15.8	15.6	15.7
7 Savannah .....	84.1	86.2	85.4	(1)	(1)	(1)	5.6	5.2	5.5	16.7	16.9	16.6
8 HAWAII .....	377.3	394.1	404.2	(1)	(1)	(1)	20.7	23.4	23.9	23.7	24.0	23.5
9 Honolulu .....	312.5	325.8	333.2	(1)	(1)	(1)	17.1	19.0	19.4	17.5	17.7	16.7
10 IDAHO .....	331.3	338.0	331.5	3.9	4.3	4.6	19.8	19.1	16.7	58.1	58.3	54.9
11 Boise City .....	78.9	81.0	80.1	(1)	(1)	(1)	6.2	6.0	5.7	9.0	9.4	8.6
12 ILLINOIS .....	4,788.8	4,883.3	4,852.0	26.6	31.1	32.3	185.8	188.0	191.5	1,276.0	1,271.6	1,222.3
13 Bloomington—Normal .....	48.2	50.5	50.2	(2)	(2)	(2)	1.6	1.6	1.8	7.2	7.8	7.0
14 Champaign—Urbana—Rantoul .....	69.0	72.1	76.6	(2)	(2)	(2)	2.4	2.3	1.7	7.3	7.8	7.8
15 Chicago—Gary .....	3,422.9	3,524.4	3,528.3	5.2	5.1	5.1	133.7	139.2	140.4	941.5	956.1	916.0
16 Chicago SMSA .....	3,164.9	3,256.6	3,275.2	5.1	5.0	5.0	116.8	120.5	125.1	838.9	852.3	822.4
17 Davenport—Rock Island—Moline .....	162.0	165.7	163.4	(2)	(2)	(2)	7.9	7.8	7.3	47.8	50.1	48.7
18 Decatur .....	53.9	53.5	54.6	(2)	(2)	(2)	2.6	2.6	2.3	20.0	19.1	19.7
19 Kankakee .....	35.9	35.7	35.0	(2)	(2)	(2)	1.7	1.6	1.8	10.5	10.0	9.5
20 Peoria .....	153.3	147.3	152.0	(2)	(2)	(2)	8.1	7.9	7.4	53.5	44.8	51.1
21 Rockford .....	120.0	124.1	118.3	(2)	(2)	(2)	3.9	3.6	3.5	54.5	57.0	50.9
22 Springfield .....	86.1	85.6	87.0	(2)	(2)	(2)	3.8	3.5	4.0	7.9	6.8	6.3
23 INDIANA .....	2,205.5	2,236.3	2,137.1	9.0	10.2	10.1	100.6	106.0	91.6	741.5	733.2	658.0
24 Anderson .....	53.3	52.6	46.3	(1)	(1)	(1)	1.3	1.5	1.1	25.9	24.5	19.7
25 Elkhart .....	79.8	76.1	68.0	—	—	—	2.7	2.9	2.2	44.7	39.9	34.2
26 Evansville .....	128.4	131.4	128.3	2.4	2.9	2.9	8.4	8.7	7.2	39.7	39.0	36.9
27 Fort Wayne .....	177.7	181.9	172.8	(1)	(1)	(1)	7.9	8.5	8.2	61.7	61.2	53.1
28 Gary Hammond—East Chicago .....	258.0	267.8	253.1	(1)	(1)	(1)	16.9	19.7	15.3	102.6	103.8	93.6
29 Indianapolis .....	517.0	537.3	533.2	(1)	(1)	(1)	21.8	25.0	23.4	131.1	132.3	123.3
30 Lafayette—West Lafayette .....	56.0	57.6	56.8	(1)	(1)	(1)	1.9	2.3	2.3	12.5	12.6	11.6
31 Muncie .....	49.3	50.8	49.3	(1)	(1)	(1)	1.9	1.9	1.6	14.4	14.8	13.3
32 South Bend .....	113.7	116.6	109.7	(1)	(1)	(1)	5.0	5.8	4.7	34.6	34.6	31.0
33 Terre Haute .....	64.3	67.0	65.3	1.1	1.4	1.4	2.8	3.8	3.9	17.4	17.5	16.1
34 IOWA .....	1,119.2	1,121.7	1,101.4	2.5	2.6	2.3	61.1	59.9	47.4	252.5	259.8	243.5
35 Cedar Rapids .....	82.7	87.4	85.2	(1)	(1)	(1)	4.4	4.8	3.7	28.4	30.4	28.3
36 Des Moines .....	181.0	183.9	179.1	(1)	(1)	(1)	9.2	8.8	7.0	26.0	27.1	24.7
37 Dubuque .....	44.6	45.0	43.6	(1)	(1)	(1)	1.9	1.9	1.5	16.7	16.6	15.4
38 Sioux City .....	51.6	50.2	48.9	(1)	(1)	(1)	4.0	2.7	2.4	9.8	9.6	8.9
39 Waterloo—Cedar Falls .....	66.0	67.2	65.8	(1)	(1)	(1)	3.2	3.2	2.6	22.6	23.2	22.7
40 KANSAS .....	912.5	946.8	949.0	12.9	13.7	15.3	48.1	49.9	46.4	185.9	198.9	189.5
41 Lawrence .....	26.6	28.1	28.4	(2)	(2)	(2)	1.3	1.4	1.1	4.3	4.8	4.8
42 Topeka .....	85.2	86.5	85.5	.2	.2	.2	4.0	4.0	3.6	11.5	11.6	10.3
43 Wichita .....	191.6	202.8	204.8	2.0	2.2	2.9	9.3	9.9	10.1	58.4	65.2	63.9
44 KENTUCKY .....	1,209.9	1,245.4	1,209.4	52.1	54.5	52.7	68.2	69.2	57.9	292.2	297.2	276.1
45 Lexington—Fayette .....	142.0	146.7	142.8	(1)	(1)	(1)	7.8	8.1	6.2	30.4	31.2	29.5
46 Louisville .....	394.8	402.7	390.4	(1)	(1)	(1)	19.6	19.9	16.7	110.0	109.4	99.9
47 Owensboro .....	30.4	30.9	30.9	.8	.8	.9	2.3	2.2	2.0	7.0	6.9	6.9
48 LOUISIANA .....	1,463.5	1,517.4	1,571.1	73.7	78.5	87.3	124.4	131.8	140.6	209.5	213.6	212.2
49 Alexandria .....	50.8	51.4	51.7	(1)	(1)	(1)	3.2	3.6	4.0	6.3	6.0	5.7
50 Baton Rouge .....	188.5	195.3	203.9	1.0	1.0	1.3	24.2	24.0	24.1	25.1	25.6	25.9
51 Lafayette .....	65.5	72.9	78.8	11.6	12.5	15.1	4.9	5.6	5.6	3.5	3.7	4.2
52 Lake Charles .....	59.0	63.5	66.3	1.8	1.7	2.1	6.3	8.4	9.5	12.1	13.0	13.5
53 Monroe .....	49.3	50.3	50.1	.5	.6	.5	4.8	4.2	3.6	8.4	8.6	8.0
54 New Orleans .....	482.4	492.9	499.4	15.6	16.4	17.5	30.6	31.3	30.6	52.1	53.9	53.5
55 Shreveport .....	142.3	147.0	147.6	5.1	5.2	5.7	10.0	11.5	9.4	28.5	28.4	27.3
56 MAINE .....	405.6	415.9	415.2	(1)	(1)	(1)	19.4	19.4	19.7	111.3	114.6	113.2
57 Lewiston—Auburn .....	34.1	34.8	35.1	(1)	(1)	(1)	1.4	1.5	1.2	12.3	12.0	12.0
58 Portland .....	86.6	89.5	92.3	(1)	(1)	(1)	4.0	4.0	3.8	16.8	17.9	18.6
59 MARYLAND .....	1,625.8	1,680.7	1,655.2	(1)	(1)	(1)	101.7	107.9	103.3	241.5	247.7	237.9
60 Baltimore .....	907.6	946.2	952.9	(1)	(1)	(1)	47.3	52.0	51.3	165.4	168.9	160.7

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**STATE AND AREA EMPLOYMENT**

**1. 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		
AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980
125.1	136.0	138.1	476.0	455.0	495.0	103.6	108.6	111.6	309.1	329.3	343.8	407.9	418.7	430.9
1.9	2.0	2.1	9.5	9.7	9.6	1.8	2.0	1.9	5.4	5.6	6.2	9.5	9.7	10.3
77.5	83.4	84.5	247.5	260.4	263.6	60.2	64.5	67.6	174.4	188.5	196.5	149.1	156.1	160.2
4.2	4.3	4.3	22.0	23.2	22.6	4.4	4.6	4.6	14.8	16.3	17.9	29.4	29.6	32.0
3.3	3.4	3.4	17.3	17.5	16.4	5.1	5.3	5.4	11.0	11.1	11.0	18.9	19.2	19.2
4.5	4.8	4.7	20.2	20.4	19.7	5.8	5.8	5.7	15.4	16.2	16.7	29.7	28.7	29.4
8.4	9.0	8.8	19.3	19.9	19.7	4.0	4.0	4.1	14.3	15.2	15.2	15.8	16.1	15.5
28.8	30.5	30.9	97.9	102.9	104.5	28.8	31.5	33.5	90.3	95.3	98.9	87.1	86.5	89.0
23.7	25.4	25.7	81.9	85.7	86.9	25.2	27.4	29.2	73.3	77.2	79.7	73.8	73.4	75.6
19.5	20.5	20.4	82.1	83.4	81.4	20.8	23.4	23.5	57.1	59.4	60.8	69.8	69.6	69.2
4.7	5.2	5.2	20.8	21.3	21.0	8.0	8.4	8.0	13.4	14.7	15.0	16.5	16.2	16.6
282.0	288.9	285.4	1,121.9	1,141.7	1,139.9	280.9	295.2	312.8	887.7	923.7	943.8	728.0	743.2	764.0
2.9	3.1	3.1	11.1	11.4	12.3	7.5	7.9	7.7	7.5	8.3	8.4	10.3	10.4	10.0
2.5	2.5	2.7	16.5	17.8	19.6	2.2	2.4	2.6	9.7	10.2	11.7	28.5	29.1	30.6
208.0	214.8	207.9	790.3	809.3	817.1	220.5	229.5	230.5	654.4	679.8	690.7	469.5	490.8	520.8
193.0	198.0	194.7	740.1	755.9	765.1	211.5	219.9	221.1	620.7	644.0	653.8	438.9	460.1	488.1
8.0	8.1	6.9	39.6	40.6	41.0	7.0	7.1	7.2	25.1	25.0	25.2	26.6	27.0	27.1
4.5	5.1	5.2	10.9	10.7	11.1	2.6	2.8	2.8	8.6	8.3	8.6	4.6	4.9	4.9
1.4	1.5	1.5	7.8	7.9	7.4	1.1	1.1	1.2	6.4	6.4	6.3	7.0	7.1	7.4
7.8	8.2	7.8	35.4	36.3	35.6	6.9	7.0	7.2	24.7	25.9	25.7	17.0	17.2	17.2
5.4	5.1	4.8	23.9	25.0	25.0	4.0	4.2	4.2	16.3	16.9	17.6	12.1	12.3	12.4
5.4	5.3	5.0	18.5	19.2	19.4	6.5	6.7	6.6	16.0	16.3	17.4	27.9	27.7	28.2
109.0	111.8	105.0	482.3	494.4	478.2	97.5	101.3	101.9	316.7	331.7	337.1	349.1	347.6	355.2
1.5	1.5	1.4	10.5	10.4	9.5	1.7	1.7	1.6	6.9	7.3	7.2	5.5	5.7	5.8
2.3	2.5	2.1	14.7	14.8	13.4	1.9	2.1	2.1	8.5	8.9	8.9	5.0	5.0	5.1
6.8	7.1	7.2	30.5	31.7	30.8	4.3	4.5	4.6	23.7	24.6	25.5	12.6	12.9	13.2
10.9	11.7	11.0	42.4	43.4	42.4	9.9	10.5	10.6	27.1	28.6	29.0	17.8	18.0	18.5
15.0	15.8	13.2	50.2	53.4	52.0	9.0	9.6	9.4	33.7	35.8	36.9	30.6	30.7	32.7
30.9	31.9	31.4	127.0	133.6	132.4	35.7	37.8	38.4	83.0	90.2	94.9	87.5	86.5	89.4
1.6	1.6	1.5	11.3	11.4	11.0	2.7	2.8	2.6	8.4	8.9	9.2	17.6	18.0	18.6
2.0	2.1	2.0	11.6	12.0	12.1	1.6	1.6	1.6	7.3	7.7	8.0	10.5	10.7	10.7
5.3	5.3	4.5	27.4	28.7	27.4	5.2	5.4	5.4	23.3	24.1	24.0	12.9	12.7	12.7
4.0	3.8	3.6	16.1	17.1	16.4	2.0	2.1	2.2	9.0	9.4	9.5	11.9	11.9	12.2
56.9	58.2	55.5	286.5	286.4	280.4	55.4	56.8	57.7	196.2	203.4	207.7	208.2	204.5	206.9
4.0	4.1	3.8	18.2	19.1	19.3	4.3	4.4	4.4	14.3	15.3	15.7	9.0	9.4	10.1
11.4	11.8	11.4	48.4	48.8	47.2	19.8	20.5	20.6	37.4	38.9	39.2	28.7	28.0	29.0
1.7	1.8	1.7	9.3	9.4	9.3	1.3	1.3	1.3	9.7	10.2	10.4	4.0	4.0	4.0
3.8	4.1	3.9	13.6	13.3	12.8	2.7	2.8	2.9	11.1	11.6	11.8	6.6	6.2	6.2
2.6	2.7	2.5	14.2	14.4	14.0	2.0	2.1	2.1	10.4	10.9	10.8	11.0	10.8	11.1
62.2	65.3	64.1	221.4	225.7	226.2	45.0	46.3	47.1	156.2	163.7	171.6	180.0	183.3	188.8
1.4	1.5	1.4	5.5	5.6	5.6	.8	.8	.8	3.3	3.6	4.0	10.0	10.4	10.7
7.5	7.5	7.4	18.7	18.8	18.8	5.8	6.0	6.2	16.1	16.7	17.1	21.4	21.7	21.9
10.0	10.3	10.8	43.3	44.9	44.8	9.0	9.1	9.2	36.4	37.3	38.6	23.2	23.9	24.5
67.2	70.2	68.8	264.3	268.1	259.6	48.8	51.0	51.8	156.8	204.8	209.1	220.3	230.4	233.4
6.9	7.3	7.4	32.4	33.0	32.3	6.7	7.1	7.4	25.2	26.7	26.5	32.6	33.3	33.6
24.4	25.1	24.1	89.9	90.1	89.0	21.8	22.8	23.2	72.4	75.0	77.2	56.7	60.4	60.3
2.1	2.3	2.4	7.5	7.3	7.0	1.1	1.2	1.2	5.3	5.6	5.8	4.3	4.6	4.7
112.3	119.1	124.3	345.4	354.2	355.9	70.7	73.3	74.7	246.2	257.2	270.0	280.3	289.7	306.1
2.5	2.6	2.5	11.3	11.3	11.1	2.9	2.7	2.8	9.7	10.0	10.5	14.9	15.2	15.1
9.6	10.1	11.0	41.7	43.0	44.5	10.5	11.2	11.1	29.3	31.3	33.4	47.1	46.1	52.6
4.6	5.1	5.7	17.4	19.5	20.4	2.1	2.4	2.7	12.4	14.2	15.0	9.0	9.9	10.1
3.3	3.6	3.7	13.5	14.1	14.4	2.5	2.6	2.8	9.0	9.1	9.6	10.5	11.0	10.7
2.4	2.5	2.7	12.8	13.1	13.2	3.4	3.5	3.7	7.3	7.7	7.9	9.7	10.1	10.5
49.3	51.2	52.0	121.9	124.4	126.2	28.7	29.7	30.3	104.4	106.3	109.7	79.8	79.7	79.6
9.6	10.0	10.2	34.7	35.0	35.6	6.7	7.0	7.1	24.6	26.1	27.9	23.1	23.8	24.4
18.0	18.7	18.8	88.3	89.6	89.2	15.7	16.2	16.5	71.4	74.8	78.5	81.5	82.6	83.3
1.1	1.1	1.2	7.8	8.0	8.4	1.4	1.5	1.5	6.7	7.3	7.5	3.4	3.4	3.3
1.2	1.3	1.3	23.4	24.1	24.7	6.7	7.1	7.3	17.7	18.5	19.6	12.8	12.6	13.0
84.0	86.4	86.3	391.4	401.1	408.6	86.4	89.1	92.2	318.9	344.5	359.9	401.9	404.0	407.0
57.3	58.3	58.6	202.4	215.0	214.1	52.7	55.4	57.6	172.2	184.5	196.7	210.3	212.1	213.9

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**1. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980
1 MASSACHUSETTES	2,526.3	2,603.5	2,647.8	(1)	(1)	(1)	72.8	75.6	73.1	652.1	672.1	673.1
2 Boston	1,395.1	1,443.5	1,473.6	(1)	(1)	(1)	38.9	41.1	40.1	282.7	291.9	293.8
3 Brockton	56.2	57.8	57.2	(1)	(1)	(1)	1.6	1.6	1.6	12.4	12.7	12.4
4 Fall River	55.0	55.1	54.5	(1)	(1)	(1)	1.4	1.5	1.4	20.6	20.5	20.3
5 Lawrence—Haverhill	106.5	109.1	112.5	(1)	(1)	(1)	2.7	3.0	3.1	41.1	41.6	43.8
6 Lowell	70.8	74.6	76.4	(1)	(1)	(1)	2.5	2.8	2.7	23.7	26.1	27.9
7 New Bedford	64.9	65.2	64.2	(1)	(1)	(1)	1.6	1.6	1.6	26.3	26.1	25.3
8 Springfield—Chicopee—Holyoke	231.0	233.7	233.7	(1)	(1)	(1)	5.7	6.2	6.5	66.6	67.4	67.0
9 Worcester	161.4	165.4	166.1	(1)	(1)	(1)	4.5	5.1	6.0	48.3	50.5	49.1
10 MICHIGAN	3,609.4	3,637.1	3,454.1	13.3	13.2	12.5	138.8	139.5	117.1	1,179.6	1,160.2	1,007.2
11 Ann Arbor	134.7	141.8	139.9	(1)	(1)	(1)	3.0	3.2	2.8	44.0	46.8	42.9
12 Battle Creek	67.0	66.3	63.9	(1)	(1)	(1)	1.7	1.8	1.7	24.3	23.8	21.9
13 Bay City	35.0	35.6	34.0	(1)	(1)	(1)	1.4	1.3	.9	11.1	10.8	9.3
14 Detroit	1,799.8	1,751.8	1,688.3	1.2	1.4	1.3	62.3	62.9	51.8	608.9	580.6	494.1
15 Flint	197.5	201.7	185.3	(1)	(1)	(1)	5.9	6.2	6.1	85.6	85.1	71.0
16 Grand Rapids	259.4	271.1	268.4	(1)	(1)	(1)	12.9	13.5	11.7	90.5	96.0	91.2
17 Jackson	53.8	54.9	51.6	(1)	(1)	(1)	1.8	1.9	1.4	16.4	16.7	14.3
18 Kalamazoo—Portage	106.9	111.2	109.4	(1)	(1)	(1)	4.2	4.8	4.8	34.6	36.0	33.2
19 Lansing—East Lansing	188.8	194.7	191.4	(1)	(1)	(1)	6.3	6.6	6.4	44.5	44.7	38.5
20 Muskegon Norton Shores—Musk. Hts.	60.1	62.1	60.1	(1)	(1)	(1)	2.7	3.0	2.1	22.0	22.5	20.2
21 Saginaw	90.1	90.5	83.8	(1)	(1)	(1)	2.9	3.1	2.4	36.6	36.2	29.3
22 MINNESOTA	1,688.9	1,767.2	1,770.0	16.4	17.3	15.5	79.0	83.2	76.2	360.4	382.0	372.5
23 Duluth—Superior	60.6	61.5	60.9	(1)	(1)	(1)	2.4	2.3	2.2	7.8	7.9	7.7
24 Minneapolis—St. Paul	1,022.9	1,076.8	1,053.7	(1)	(1)	(1)	42.6	46.8	44.2	233.2	248.8	247.1
25 Rochester	47.8	45.7	50.3	(2)	(2)	(2)	2.3	2.2	2.1	9.6	10.3	10.2
26 St. Cloud	51.1	54.4	55.2	(1)	(1)	(1)	2.8	3.0	2.9	11.1	12.6	12.2
27 MISSISSIPPI	813.7	838.1	830.6	8.6	9.3	10.7	44.9	46.7	43.7	235.3	235.2	221.4
28 Jackson	139.6	146.4	147.1	1.1	1.2	1.4	7.8	8.2	7.6	18.9	19.1	19.0
29 MISSOURI	1,953.1	2,011.1	1,965.4	7.6	8.2	7.7	87.3	92.4	79.8	456.8	464.4	435.9
30 Kansas City	623.5	640.8	624.9	.5	.6	.5	28.5	29.3	25.2	124.5	127.9	119.3
31 St. Joseph	37.2	37.4	37.5	(2)	(2)	(2)	2.0	1.9	2.1	9.6	9.3	9.2
32 St. Louis	1,001.1	1,018.4	988.2	2.7	2.8	2.7	43.5	47.4	40.6	257.9	257.8	239.4
33 Springfield	82.8	85.7	85.1	(2)	(2)	(2)	4.2	4.1	3.8	18.3	18.7	18.4
34 MONTANA	290.4	283.8	280.6	7.0	7.7	7.6	16.7	15.6	14.7	26.3	27.0	23.6
35 Billings	45.5	47.2	47.5	(1)	(1)	(1)	2.6	2.7	2.4	4.2	4.4	4.2
36 Great Falls	30.0	29.8	29.3	(1)	(1)	(1)	1.9	1.9	1.6	1.8	1.7	1.5
37 NEBRASKA	609.9	621.2	630.5	1.8	1.8	1.7	33.0	32.5	28.9	94.1	99.6	96.1
38 Lincoln	97.7	100.6	100.4	(2)	(2)	(2)	4.8	4.7	3.9	13.6	13.8	13.6
39 Omaha	255.5	267.1	264.2	(2)	(2)	(2)	12.6	12.0	10.6	35.6	37.2	35.7
40 NEVADA	350.3	383.7	399.6	4.2	4.7	6.3	25.5	27.3	25.2	17.2	19.4	19.4
41 Las Vegas	199.4	210.5	220.9	.2	.4	.5	13.6	15.5	13.8	6.3	6.9	6.9
42 Reno	104.0	113.7	114.7	.6	.8	1.0	8.2	7.8	7.3	7.9	8.4	8.3
43 NEW HAMPSHIRE	361.3	378.5	384.9	.4	.4	.4	18.8	20.9	19.3	109.8	116.5	116.8
44 Manchester	72.4	74.7	73.8	(2)	(2)	(2)	3.3	3.6	3.3	18.9	18.8	17.3
45 Nashua	55.3	60.4	63.9	(2)	(2)	(2)	2.6	2.7	2.6	24.9	28.0	30.0
46 NEW JERSEY	2,962.4	3,027.4	3,053.9	2.6	2.6	2.4	105.3	113.7	110.7	786.8	799.1	783.4
47 Atlantic City	71.8	81.2	85.1	-	-	-	3.7	7.0	5.6	8.8	9.1	8.6
48 Camden	320.9	330.5	331.2	.1	.1	.1	13.6	14.8	14.0	69.4	71.8	70.5
49 Hackensack	388.1	395.5	398.3	(1)	(1)	(1)	13.3	13.5	14.1	109.8	113.4	111.7
50 Jersey City	233.8	233.0	231.0	-	-	-	4.0	4.4	4.6	73.0	70.7	68.6
51 Long Branch—Asbury Park	153.6	157.0	161.2	(1)	(1)	(1)	6.1	6.6	6.5	23.5	24.3	24.7
52 New Bruns. Perth Amboy—Sayreville	274.4	284.4	289.4	(1)	(1)	(1)	9.3	10.5	10.8	89.8	90.6	90.2
53 Newark	915.7	938.6	940.1	.9	.8	.7	30.5	33.1	33.4	249.5	254.0	248.7
54 Paterson—Clifton—Passaic	188.1	190.2	188.6	(1)	(1)	(1)	6.2	7.0	6.8	67.2	68.8	67.3
55 Trenton	159.9	162.1	162.5	(1)	(1)	(1)	3.0	3.1	3.3	36.6	36.3	34.2
56 Vineland—Millville—Bridgeton	55.1	55.5	55.4	(1)	(1)	(1)	1.7	1.7	1.9	19.1	18.5	18.1
57 NEW MEXICO	444.3	461.0	462.3	24.4	27.1	29.5	35.0	35.6	30.2	33.4	34.8	34.3
58 Albuquerque	178.0	186.8	186.1	(1)	(1)	(1)	15.0	15.6	12.4	17.2	17.9	18.0
59 Las Cruces	28.8	29.6	29.6	-	-	-	2.1	2.1	1.8	2.6	2.8	2.6
60 NEW YORK	7,044.5	7,175.4	7,204.7	6.3	5.9	6.1	199.2	210.3	207.3	1,481.2	1,492.8	1,451.1
61 Albany—Schenectady—Troy	332.3	338.4	338.9	(1)	(1)	(1)	11.0	11.3	11.1	62.7	60.4	58.2
62 Binghamton	116.4	118.3	117.3	(1)	(1)	(1)	4.3	4.1	3.8	42.2	43.3	42.1

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**1. 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			
AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	
117.3	120.5	122.3	547.3	560.3	571.2	146.7	150.4	159.0	560.8	601.9	638.6	429.2	416.7	410.3	1
65.6	71.7	73.6	304.2	314.1	319.0	100.9	103.8	108.9	374.1	403.1	424.9	224.7	217.8	213.3	2
4.2	4.2	3.8	14.8	15.6	15.4	2.0	2.1	2.0	8.7	9.3	10.1	12.5	12.3	11.9	3
1.9	1.9	1.9	11.6	11.5	11.2	2.6	2.7	2.7	8.9	8.9	9.3	8.0	8.1	7.7	4
4.2	4.5	4.6	21.6	21.7	21.7	3.8	4.0	4.1	15.6	17.0	18.2	17.5	17.3	17.0	5
3.2	3.2	3.3	15.2	15.5	15.6	2.1	2.0	2.1	10.8	11.9	12.5	13.3	13.1	12.3	6
2.4	2.4	2.5	12.4	12.5	12.2	1.9	2.0	2.0	8.7	9.5	9.7	11.6	11.1	10.9	7
9.3	9.4	9.3	47.0	47.9	47.8	12.3	12.6	13.2	42.3	43.9	45.2	47.8	46.3	44.7	8
6.8	6.9	7.2	34.3	35.2	35.2	8.5	8.6	9.1	30.8	32.3	33.3	28.2	26.5	26.2	9
155.9	160.6	150.5	749.1	761.3	737.8	147.4	154.5	156.1	613.8	626.7	645.1	611.4	621.0	627.7	10
3.4	3.5	3.2	19.4	19.5	19.3	3.3	3.9	4.2	19.9	21.6	22.9	41.7	43.3	44.6	11
2.4	2.5	2.3	11.4	11.2	10.8	3.7	3.7	3.8	11.4	11.1	11.1	12.1	12.2	12.3	12
1.8	1.8	1.8	8.5	8.4	8.3	1.2	1.3	1.3	6.2	6.5	6.9	4.8	5.5	5.5	13
66.4	67.0	61.5	364.2	374.6	367.1	85.5	88.5	89.7	335.7	341.2	349.9	255.6	255.7	252.9	14
6.8	6.8	6.0	39.4	39.7	40.1	5.8	6.6	6.7	28.5	29.0	29.5	25.5	28.3	25.9	15
10.6	11.5	11.3	58.9	59.8	61.4	9.7	10.5	10.8	46.7	48.5	48.8	30.1	31.3	33.2	16
5.1	5.1	5.2	10.9	11.0	10.2	1.4	1.7	1.8	9.8	9.8	9.2	8.4	8.7	9.5	17
3.9	4.1	3.8	21.1	21.4	21.7	3.7	3.7	3.7	20.0	21.0	21.9	19.4	20.2	20.3	18
5.1	5.5	5.6	34.7	35.4	35.2	8.6	9.3	9.4	24.8	27.0	29.1	64.8	66.2	67.2	19
3.0	3.2	3.1	11.1	11.4	11.9	1.8	1.8	1.8	9.6	9.7	9.8	9.9	10.5	11.2	20
4.6	4.5	4.9	18.1	17.7	17.9	3.7	4.0	4.1	13.1	13.4	13.6	11.1	11.6	11.6	21
93.9	100.2	100.0	426.9	443.1	441.2	86.3	91.5	94.5	333.3	354.4	368.9	292.8	295.6	301.2	22
6.8	6.8	6.6	16.1	16.6	16.5	2.2	2.2	2.2	12.7	13.1	13.0	12.7	12.6	12.5	23
56.5	64.5	64.7	257.0	266.2	269.6	64.2	67.4	69.9	212.9	227.7	239.6	153.6	155.4	158.4	24
1.9	2.0	1.9	9.5	9.9	10.0	1.4	1.4	1.4	17.4	18.0	18.8	5.8	6.0	6.0	25
3.3	3.5	3.5	12.6	13.3	13.5	1.7	1.8	1.5	8.8	9.5	9.9	10.9	10.8	11.2	26
36.5	41.1	41.1	159.4	163.0	164.6	31.4	32.6	32.8	113.9	118.1	121.4	181.8	192.2	194.9	27
6.9	9.7	9.9	34.6	35.3	34.9	10.8	11.2	11.2	26.3	27.8	28.5	31.3	33.8	34.6	28
136.3	142.3	138.9	465.8	474.3	464.3	103.7	107.8	108.3	360.0	383.2	395.8	335.6	338.5	338.7	29
52.8	55.5	52.6	161.7	164.1	159.4	42.0	43.8	44.1	120.9	127.8	131.3	91.6	91.8	92.5	30
2.2	2.2	2.2	9.2	9.3	9.1	1.9	1.9	1.9	6.4	6.8	6.9	5.9	6.0	6.1	31
65.8	72.3	70.8	230.2	232.7	227.7	55.8	57.2	56.4	200.1	208.8	212.4	141.1	139.4	138.2	32
6.2	6.4	6.5	23.1	24.1	22.9	3.4	3.4	3.4	16.7	17.8	18.3	10.9	11.2	11.8	33
21.7	23.1	23.0	72.2	73.5	72.3	12.2	12.7	12.9	52.6	54.2	56.0	71.7	70.1	70.6	34
4.1	4.8	4.8	15.4	15.9	16.0	2.2	2.3	2.3	9.3	9.6	10.1	7.7	7.6	7.7	35
1.9	1.9	1.9	9.8	9.7	9.5	2.1	2.1	2.0	6.6	6.8	7.0	5.9	5.8	5.8	36
42.8	47.8	47.6	158.9	164.1	164.9	39.5	41.0	42.6	108.8	114.0	117.6	130.3	130.6	131.3	37
6.7	7.3	7.4	21.4	22.2	21.9	7.0	7.1	7.0	15.9	16.7	17.3	28.4	28.6	29.3	38
23.0	24.9	24.4	67.1	69.4	68.2	23.2	24.2	25.1	53.9	57.6	58.7	40.2	41.8	41.6	39
20.9	23.1	24.1	69.5	77.4	79.7	14.4	16.9	17.8	145.8	160.2	169.3	52.2	54.7	57.2	40
11.9	12.6	13.1	39.1	43.4	45.3	7.7	9.6	10.2	87.2	97.4	105.0	23.4	24.7	26.1	41
6.7	7.9	8.2	21.6	24.5	24.7	5.4	5.9	6.1	39.1	43.1	42.8	14.5	15.3	16.3	42
13.0	13.6	13.8	80.2	83.9	85.4	17.4	18.9	19.6	65.3	69.2	72.6	56.4	55.1	57.0	43
4.6	4.6	4.6	18.7	19.0	18.9	5.6	6.1	6.1	13.2	14.3	15.1	8.1	8.3	8.5	44
3.8	1.9	2.0	11.0	11.9	12.4	1.7	1.8	1.9	7.8	8.5	9.3	5.5	5.6	5.7	45
168.5	190.4	192.1	665.9	678.6	677.1	147.7	153.6	157.1	542.7	572.5	606.6	523.0	516.7	524.5	46
3.5	3.7	3.9	19.3	18.9	20.0	4.5	4.7	4.8	17.4	23.6	31.1	14.7	14.2	15.2	47
15.8	15.7	15.4	83.8	86.9	86.1	15.5	16.3	16.7	61.9	64.3	66.7	60.7	60.6	61.8	48
20.9	20.3	20.7	115.7	110.1	116.3	15.2	16.1	16.7	69.5	73.1	74.8	43.7	43.0	44.0	49
27.4	27.4	26.5	44.5	44.6	44.2	8.3	8.2	8.8	30.3	31.1	31.8	46.4	46.5	46.5	50
8.2	5.9	6.0	39.8	39.6	40.2	6.6	7.9	8.1	38.2	39.5	42.0	33.1	33.3	33.6	51
15.8	20.9	23.0	61.9	62.8	65.9	9.2	9.6	10.0	36.7	39.0	41.0	47.7	48.1	48.5	52
65.7	72.0	73.9	175.6	180.0	177.1	61.2	63.7	64.0	178.0	184.5	192.7	150.3	150.5	149.4	53
7.1	6.9	6.6	41.8	41.1	39.9	9.3	8.9	9.1	29.6	31.7	33.2	27.0	25.8	25.8	54
5.9	5.8	5.5	25.0	25.0	25.3	6.5	7.1	7.5	38.2	40.3	42.5	44.6	44.6	44.2	55
3.0	3.0	3.0	9.1	9.3	9.0	2.2	2.1	2.4	8.2	8.7	8.4	11.9	12.1	12.6	56
26.6	28.1	28.4	101.2	104.1	103.1	19.8	21.2	21.0	87.3	89.6	91.3	116.6	120.5	124.5	57
10.3	11.4	11.6	45.2	47.2	46.7	10.1	10.8	10.9	40.1	42.7	43.6	40.1	41.2	42.9	58
1.2	1.2	1.1	5.5	5.5	5.4	1.1	1.2	1.2	3.9	4.1	4.0	12.4	12.7	13.4	59
430.3	433.8	421.9	1,454.7	1,476.8	1,468.3	586.9	605.4	624.3	1,570.8	1,643.2	1,701.5	1,315.1	1,311.3	1,314.3	60
15.5	15.9	15.9	67.2	69.8	68.5	14.9	15.3	15.7	65.3	68.2	71.5	95.7	97.5	98.0	61
4.7	4.8	4.6	21.9	21.7	21.6	3.6	3.9	4.0	17.1	17.8	18.0	22.6	22.8	23.1	62

**ESTABLISHMENT DATA**  
**STATE AND AREA EMPLOYMENT**

**1. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980
<b>NEW YORK—Continued</b>												
1 Buffalo	507.7	513.4	503.3	(1)	(1)	(1)	18.2	18.2	16.9	144.1	145.2	134.4
2 Elmira	37.3	37.6	37.1	(1)	(1)	(1)	1.3	1.3	1.1	11.6	11.8	11.4
3 Monroe County	328.9	335.8	337.2	(1)	(1)	(1)	10.2	9.9	9.3	131.3	135.0	135.1
4 Nassau—Suffolk	869.3	898.3	914.7	(1)	(1)	(1)	34.5	36.7	36.6	158.2	164.9	167.4
5 New York—Northeastern New Jersey <sup>8</sup>	6,528.1	6,654.9	(*)	2.8	2.9	(*)	179.6	192.6	(*)	1,367.9	1,378.2	(*)
6 New York and Nassau—Suffolk <sup>5</sup>	4,529.3	4,614.8	4,659.3	1.7	1.7	1.8	116.3	125.5	129.8	778.6	775.6	758.1
7 New York SMSA <sup>7</sup>	3,660.0	3,716.5	3,744.7	1.5	1.4	1.5	81.9	88.8	93.2	620.4	610.6	590.7
8 New York City <sup>9</sup>	3,236.6	3,278.8	3,298.4	1.2	1.1	1.2	65.6	70.9	74.7	532.1	518.5	498.7
9 Poughkeepsie	92.8	97.1	97.3	(1)	(1)	(1)	3.0	2.8	2.7	30.8	32.3	31.8
10 Rochester	405.6	414.0	414.4	(1)	(1)	(1)	12.4	12.3	11.5	152.5	157.2	156.4
11 Rockland County <sup>9</sup>	77.9	80.6	82.0	(1)	(1)	(1)	2.2	2.5	2.6	15.6	15.7	15.9
12 Syracuse	256.1	263.5	259.9	(1)	(1)	(1)	10.2	11.3	9.5	60.1	61.3	59.3
13 Utica—Rome	114.7	116.1	114.6	(1)	(1)	(1)	3.0	3.0	2.7	31.8	32.3	30.8
14 Westchester County <sup>9</sup>	333.4	344.8	352.2	(1)	(1)	(1)	13.2	14.6	15.1	71.5	75.1	74.8
<b>NORTH CAROLINA</b>												
15 Asheville	2,277.4	2,374.3	2,385.2	4.8	5.2	5.2	118.1	126.1	118.2	807.2	827.9	824.2
16 Charlotte—Gastonia	69.5	71.5	70.8	(1)	(1)	(1)	3.5	3.5	3.2	22.4	22.6	21.5
17 Greensboro—Winston-Salem—High Pt.	312.6	329.8	336.5	(1)	(1)	(1)	16.2	17.9	18.1	88.0	91.8	93.5
18 Raleigh—Durham	375.1	385.4	384.3	(1)	(1)	(1)	17.3	17.4	16.9	146.8	150.1	148.7
19	248.4	264.5	270.4	(1)	(1)	(1)	13.5	14.9	13.5	40.0	44.2	44.4
<b>NORTH DAKOTA</b>												
20 Fargo—Moorhead	234.0	244.2	245.6	4.3	5.7	8.0	18.5	18.7	16.2	15.7	16.7	15.5
21	61.0	62.5	62.2	(2)	(2)	(2)	4.5	4.3	3.9	5.2	5.2	4.9
<b>OHIO</b>												
22 Akron	4,394.8	4,484.7	4,398.8	29.0	31.6	30.8	176.6	183.5	180.1	1,377.2	1,382.3	1,267.5
23 Canton	266.6	270.9	263.2	(*)	(*)	(*)	8.6	9.2	8.3	85.9	85.6	79.4
24 Cincinnati	156.1	160.7	157.0	(*)	(*)	(*)	6.5	6.4	5.6	57.1	59.1	55.6
25 Cleveland	591.2	607.4	604.8	(*)	(*)	(*)	25.9	27.4	26.5	169.2	173.1	164.3
26 Columbus	905.8	919.8	905.0	(*)	(*)	(*)	32.4	34.1	33.5	275.6	276.3	255.0
27 Dayton	493.8	507.3	515.1	(*)	(*)	(*)	19.9	21.2	21.1	101.2	101.1	96.7
28 Toledo	358.5	364.9	356.5	(*)	(*)	(*)	13.5	14.1	13.5	112.0	109.5	99.9
29 Youngstown—Warren	302.1	305.3	294.2	(*)	(*)	(*)	11.6	11.8	13.1	90.5	88.0	74.9
30	210.3	213.9	203.3	(*)	(*)	(*)	7.4	7.0	7.1	79.4	79.9	70.5
<b>OKLAHOMA</b>												
31 Enid	1,035.5	1,087.3	1,135.5	54.9	60.9	71.5	57.3	59.1	57.6	172.4	184.1	190.1
32 Lawton	—	—	25.5	—	—	—	1.9	—	1.7	—	—	2.9
33 Oklahoma City	360.9	379.6	401.6	12.6	14.1	17.7	19.2	20.2	20.3	47.3	52.6	55.6
34 Tulsa	273.0	287.8	305.1	17.1	18.4	21.4	15.8	16.5	17.6	56.0	59.9	62.5
35	—	—	—	—	—	—	—	—	1.6	—	—	2.8
<b>OREGON</b>												
36 Eugene—Springfield	1,009.4	1,056.2	1,041.1	2.2	2.4	2.3	48.8	53.0	45.7	219.1	228.5	214.2
37 Jackson County	103.2	105.5	103.1	(1)	(1)	(1)	5.6	5.7	4.6	21.2	21.2	19.6
38 Portland	526.6	554.0	555.2	(1)	(1)	(1)	26.1	28.0	24.6	107.7	115.2	114.2
39 Salem	86.5	89.9	88.1	(1)	(1)	(1)	4.8	5.2	4.4	14.6	15.4	14.2
40	—	—	—	—	—	—	—	—	—	8.1	8.3	7.5
<b>PENNSYLVANIA</b>												
41 Allentown—Bethlehem—Easton	4,719.6	4,806.8	4,753.0	46.8	51.7	49.5	200.1	204.2	190.3	1,367.8	1,386.7	1,328.0
42 Altoona	260.2	263.8	264.7	(1)	(1)	(1)	10.1	9.3	5.0	109.7	110.0	107.8
43 Delaware Valley <sup>10</sup>	52.2	52.2	50.5	(1)	(1)	(1)	2.6	2.4	2.2	12.9	13.1	12.6
44 Erie	1,563.7	1,588.2	1,579.8	(1)	(1)	(1)	56.9	61.4	61.8	381.6	382.2	369.1
45 Harrisburg	115.3	117.0	113.2	(1)	(1)	(1)	4.0	3.5	3.2	43.8	44.7	42.2
46 Johnstown	214.4	221.0	221.6	(1)	(1)	(1)	9.4	9.2	8.6	41.9	43.6	42.5
47 Lancaster	87.3	90.6	85.3	8.2	9.6	8.4	3.5	3.4	2.8	20.2	20.3	18.7
48 Philadelphia SMSA	1,49.3	154.9	154.2	(1)	(1)	(1)	7.9	8.1	7.2	59.2	60.9	59.4
49 Reading	241.3	243.9	239.7	1.2	1.1	1.2	13.3	12.8	11.1	73.3	73.5	70.8
50 Philadelphia City <sup>11</sup>	1,884.2	1,918.7	1,911.1	(1)	(1)	(1)	70.5	76.3	75.8	451.0	454.0	439.6
51 Pittsburgh	803.5	792.8	781.9	(1)	(1)	(1)	17.3	19.9	20.3	150.3	143.4	134.6
52 Scranton <sup>12</sup>	939.9	964.1	953.7	9.8	11.2	10.4	48.5	49.0	45.8	251.5	255.1	241.4
53 Williamsport	135.6	138.9	139.4	(1)	(1)	(1)	5.2	5.3	5.4	53.4	54.8	53.7
54 Wilkes-Barre—Hazleton <sup>13</sup>	86.1	87.2	86.6	(1)	(1)	(1)	2.7	2.5	2.2	28.1	28.3	27.8
55 York	126.5	127.7	123.5	1.1	1.0	1.1	9.3	9.1	7.6	40.7	40.6	38.1
56	48.6	48.2	46.8	(1)	(1)	(1)	1.7	1.5	1.4	18.2	18.0	16.2
57	151.4	157.3	156.7	(1)	(1)	(1)	6.8	7.5	6.8	64.1	66.1	65.9
<b>RHODE ISLAND</b>												
58 Providence Warwick—Pawtucket	395.8	400.0	398.5	(1)	(1)	(1)	13.5	13.9	12.7	134.4	132.6	127.8
59	408.0	410.0	405.5	(1)	(1)	(1)	13.6	14.1	12.9	150.7	147.8	141.7
<b>SOUTH CAROLINA</b>												
61 Charleston—North Charleston	1,137.5	1,176.0	1,187.4	1.8	1.9	1.9	70.2	73.1	73.0	391.1	399.5	392.3
62 Columbia	138.7	145.4	148.4	(1)	(1)	(1)	10.6	11.6	11.6	19.1	20.1	19.7
63 Greenville—Spartanburg	169.3	175.6	178.5	(1)	(1)	(1)	8.6	8.4	8.4	25.7	27.3	27.7
64	254.5	261.2	263.5	(1)	(1)	(1)	15.7	16.4	17.2	104.5	106.6	104.6

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**1. 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			
AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	
28.0	28.4	27.3	114.7	115.8	113.6	21.6	21.9	22.4	94.1	97.2	100.8	87.1	86.6	88.0	1
1.4	1.4	1.4	8.4	8.2	8.5	1.0	1.0	1.0	6.6	6.8	7.1	7.0	7.1	6.7	2
10.1	10.2	10.2	61.2	60.9	59.6	14.2	14.3	14.3	62.8	65.3	67.7	39.1	40.2	40.9	3
36.9	38.0	38.7	226.7	230.2	239.1	47.9	51.0	51.9	185.2	196.1	202.9	179.9	175.4	178.1	4
465.0	465.4	(*)	1,384.0	1,400.2	(*)	588.5	605.5	(*)	1,449.0	1,513.0	(*)	1,093.1	1,091.1	(*)	5
318.2	319.5	319.4	544.5	558.0	557.4	485.5	501.2	519.1	1,105.4	1,159.0	1,200.1	779.2	774.4	773.7	6
281.2	281.4	280.7	717.8	721.8	718.3	437.5	450.3	467.2	920.3	963.1	997.5	599.4	599.0	595.6	7
255.5	258.7	257.2	619.6	621.1	614.9	418.0	429.6	445.8	819.7	858.7	889.2	520.8	520.1	516.6	8
2.9	2.8	2.9	15.6	16.1	16.2	2.6	2.6	2.7	16.2	17.5	17.7	21.8	23.1	23.3	9
13.0	12.9	12.8	78.1	78.1	76.6	15.8	15.9	16.0	74.0	77.1	79.5	59.9	60.5	61.6	10
3.5	3.5	3.5	16.9	17.4	17.9	2.4	2.5	2.6	16.8	17.5	18.2	20.7	21.6	21.2	11
14.5	15.1	15.0	57.4	58.9	57.2	15.0	15.5	16.3	50.3	52.2	52.5	48.6	49.3	50.2	12
4.0	4.1	3.9	21.6	21.9	22.0	5.5	5.6	5.5	19.7	20.4	20.7	29.1	28.9	29.0	13
17.6	18.6	18.3	78.2	80.3	82.5	16.7	17.6	18.3	81.5	84.4	87.5	54.7	54.2	54.5	14
109.5	115.7	116.9	446.6	477.1	472.9	88.7	93.0	95.1	316.1	332.1	341.7	386.4	397.2	411.0	15
3.6	3.6	3.7	14.5	14.8	14.9	2.2	2.2	2.2	12.2	13.1	12.8	11.1	11.7	12.1	16
29.1	30.8	31.2	78.1	83.7	83.4	20.0	20.6	21.0	45.7	49.6	52.5	35.5	35.4	36.8	17
20.5	21.5	21.4	75.5	78.3	77.1	17.4	17.8	17.9	53.6	55.1	56.5	44.0	45.2	45.8	18
12.0	13.0	13.6	48.4	51.6	52.3	14.6	15.0	15.7	50.9	55.0	56.9	69.0	71.2	74.0	19
14.8	16.1	16.9	64.7	67.6	67.4	10.5	11.0	11.4	45.5	47.8	49.3	60.0	60.6	60.9	20
7.9	4.1	3.9	18.8	19.3	19.0	3.6	3.7	3.8	12.9	13.4	13.7	12.1	12.5	13.0	21
225.0	232.1	225.1	956.3	975.2	969.9	191.1	200.6	205.7	772.1	805.6	830.2	667.5	674.0	689.6	22
14.6	15.2	14.2	58.1	58.1	57.1	9.2	9.4	9.3	47.4	49.7	50.4	42.4	43.2	43.9	23
7.3	7.5	7.3	33.6	34.3	33.3	5.6	5.9	6.2	27.1	28.1	28.8	17.7	18.3	19.0	24
32.8	34.2	33.9	137.1	140.0	141.4	30.7	32.1	32.8	112.6	117.4	121.4	82.5	82.8	84.1	25
47.3	47.8	46.4	209.2	212.1	210.2	45.8	47.5	48.7	175.4	181.9	187.0	118.6	118.2	122.6	26
24.5	25.1	24.8	118.1	120.9	122.8	33.7	36.1	38.0	95.9	100.7	105.9	99.8	101.5	105.0	27
12.8	13.3	13.2	74.4	75.8	74.1	12.8	13.4	13.6	66.2	70.1	72.6	66.3	68.2	69.2	28
20.3	21.0	20.0	67.9	68.5	67.2	10.1	10.5	10.8	56.3	59.1	60.3	44.9	45.9	47.4	29
10.1	10.1	9.5	45.6	46.6	45.1	6.8	7.0	7.1	35.3	37.2	37.8	25.1	25.6	25.7	30
62.7	66.0	68.0	248.9	250.4	268.6	50.8	53.6	56.4	170.1	183.2	198.7	218.4	224.0	224.6	31
-	-	2.8	-	-	6.9	-	-	1.1	-	-	4.5	-	-	3.7	32
-	-	1.3	-	-	7.2	-	-	1.2	-	-	4.4	-	-	10.6	33
21.9	23.3	23.7	91.2	94.7	98.3	22.5	23.4	24.7	63.0	68.2	73.3	83.1	83.1	88.0	34
21.2	22.2	24.1	67.9	69.7	70.9	13.7	14.5	15.5	52.5	55.8	60.3	28.8	30.8	32.8	35
56.9	60.0	60.0	245.6	256.8	255.8	64.2	69.1	69.4	175.5	185.7	191.3	197.1	200.7	202.4	36
5.1	5.3	5.1	25.8	26.2	25.7	5.1	5.4	5.4	18.4	19.4	20.1	22.0	22.2	22.7	37
34.0	35.8	36.3	135.1	142.0	142.0	40.9	44.5	45.7	102.4	107.3	111.0	80.4	81.2	81.4	38
2.1	2.8	2.8	18.3	19.1	19.3	5.3	5.6	5.5	13.8	14.5	14.7	26.6	27.3	27.2	40
266.6	272.3	262.7	983.7	992.5	988.9	226.6	233.7	236.7	903.9	945.0	969.1	724.1	720.7	727.7	41
13.6	14.0	14.2	49.7	51.1	51.0	8.4	8.8	9.5	39.2	41.7	44.3	29.5	28.9	29.0	42
8.3	7.8	6.8	11.5	11.3	11.0	1.4	1.4	1.5	8.4	8.8	8.8	7.1	7.3	7.7	43
84.3	85.6	82.7	334.4	333.7	328.1	104.6	107.7	108.7	360.3	379.4	392.6	241.6	238.4	236.9	44
5.3	5.2	5.2	23.2	23.3	22.2	4.6	4.7	4.9	20.0	21.3	22.3	14.4	14.1	13.4	45
15.9	17.0	16.7	44.7	45.5	44.9	12.1	12.8	12.0	35.6	37.1	39.2	54.8	56.0	56.7	46
5.5	5.7	4.8	16.7	16.8	16.3	3.6	3.8	4.0	15.5	15.8	16.0	14.3	15.2	14.3	47
6.2	6.4	6.2	32.7	34.2	34.2	5.0	5.2	5.5	23.2	25.1	26.6	15.2	15.0	15.3	48
12.9	13.5	13.3	50.7	50.6	49.9	9.1	9.3	9.6	41.4	43.1	44.4	39.5	39.9	39.4	49
100.1	101.2	98.0	418.2	420.5	414.2	120.2	124.0	125.4	422.0	443.8	459.5	302.3	298.9	298.7	50
56.7	55.9	52.3	153.1	149.7	145.0	67.9	68.2	66.7	202.5	209.1	215.5	155.7	147.6	147.5	51
60.3	62.8	60.0	204.8	206.8	209.2	43.7	45.1	45.9	199.0	209.8	215.3	122.4	124.4	125.8	52
6.4	6.7	6.4	26.9	27.4	27.9	5.6	5.9	6.1	21.6	22.6	23.2	16.5	16.1	16.8	53
4.3	4.2	4.3	19.2	19.5	19.0	3.3	3.4	3.6	16.3	17.1	17.6	12.2	12.2	12.1	54
6.7	7.2	7.1	26.7	26.0	25.7	4.9	5.1	5.1	17.9	18.7	19.1	19.3	20.1	19.7	55
2.4	2.3	2.3	9.9	10.0	10.0	1.9	2.1	2.1	7.5	7.7	8.0	6.9	6.5	6.7	56
6.9	7.2	7.3	31.6	32.8	33.1	3.7	3.8	3.9	19.7	21.3	21.7	18.6	18.5	18.1	57
13.3	13.4	13.2	79.4	80.7	81.2	20.0	20.8	20.9	75.4	79.3	82.8	59.8	59.3	59.9	58
13.3	13.2	13.2	80.7	81.7	81.0	20.2	20.8	20.9	72.7	76.1	79.5	56.8	56.3	56.3	59
48.8	53.0	53.5	213.0	221.0	223.9	43.8	46.3	47.5	145.0	152.4	158.0	223.8	228.8	237.3	61
8.3	8.8	9.0	30.2	31.1	31.4	5.8	6.2	6.4	21.0	22.7	24.0	43.7	44.9	46.3	62
8.7	9.2	9.4	36.8	38.0	37.8	12.7	13.5	14.0	25.4	26.2	26.6	51.5	53.1	54.6	63
9.9	10.4	10.1	49.3	50.6	51.4	8.8	9.1	9.3	32.8	34.7	36.1	33.5	33.5	34.8	64

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**1. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980
1 SOUTH DAKOTA .....	236.6	241.4	237.1	2.8	2.9	2.8	13.6	12.9	10.7	24.6	27.5	26.0
2 Rapid City .....	32.4	33.3	31.9	(2)	(2)	(2)	3.0	2.7	2.1	3.1	3.3	3.1
3 Sioux Falls .....	53.4	54.7	54.1	(2)	(2)	(2)	3.4	3.1	2.5	7.4	7.8	7.9
4 TENNESSEE .....	1,737.0	1,777.3	(*)	10.8	10.5	(*)	87.3	89.2	(*)	526.0	524.7	(*)
5 Chattanooga .....	172.8	174.6	167.7	1.4	1.3	1.2	7.3	6.7	6.4	56.6	54.8	50.2
6 Knoxville .....	194.3	158.0	(*)	1.6	1.5	(*)	12.2	12.1	(*)	53.2	54.0	(*)
7 Memphis .....	354.4	362.5	357.6	.1	.1	.2	15.6	16.6	15.8	63.5	63.0	59.7
8 Nashville—Davidson .....	351.2	364.0	356.0	(1)	(1)	(1)	20.2	20.7	17.6	82.5	83.8	79.0
9 TEXAS .....	5,271.6	5,601.8	5,661.8	182.7	203.3	236.7	381.8	416.2	428.6	662.8	1,021.9	1,048.9
10 Abilene .....	-	53.6	55.6	-	3.5	4.1	-	3.2	3.1	-	5.7	5.7
11 Amarillo .....	72.0	75.4	74.2	(1)	(1)	(1)	5.0	4.8	4.2	8.1	9.5	9.6
12 Austin .....	216.8	230.6	240.1	(1)	(1)	(1)	12.6	13.2	13.9	25.9	28.7	30.2
13 Beaumont Port Arthur-Orange .....	146.4	150.3	148.7	(1)	(1)	(1)	14.6	14.0	12.7	41.8	41.3	38.5
14 Corpus Christi .....	113.4	122.2	124.7	5.6	6.4	6.6	11.3	14.8	13.4	14.3	14.9	16.1
15 Dallas—Fort Worth .....	1,292.4	1,386.3	1,459.1	19.0	21.2	24.8	67.6	79.3	85.4	289.5	310.4	318.9
16 El Paso .....	149.8	157.0	161.5	(1)	(1)	(1)	9.2	9.2	8.3	30.5	33.6	35.6
17 Galveston—Texas City .....	66.1	68.7	70.3	(1)	(1)	(1)	5.1	5.4	4.9	11.7	12.0	11.4
18 Houston .....	1,281.2	1,279.6	1,439.3	63.1	70.7	80.0	136.7	147.1	144.8	213.8	230.2	240.2
19 Longview—Marshall .....	-	62.9	64.7	-	(1)	(1)	-	4.7	4.8	-	18.5	18.9
20 Lubbock .....	86.7	87.9	89.2	(1)	(1)	(1)	4.7	4.5	4.2	12.9	12.9	13.2
21 Midland .....	-	38.5	42.2	-	5.4	10.5	-	2.5	3.0	-	3.6	3.9
22 Odessa .....	-	49.2	52.7	-	7.6	8.1	-	4.3	4.4	-	6.9	7.2
23 San Angelo .....	-	33.8	35.2	-	.7	.8	-	2.2	2.2	-	6.7	6.4
24 San Antonio .....	365.3	382.1	398.0	1.9	2.1	2.5	23.7	25.8	28.3	46.3	48.2	51.0
25 Sherman—Denison .....	-	37.0	36.8	-	.2	.2	-	2.4	1.8	-	13.6	13.6
26 Waco .....	66.0	69.1	71.4	(1)	(1)	(1)	3.4	3.6	3.7	15.9	16.7	16.6
27 Wichita Falls .....	49.8	51.1	52.5	2.7	2.8	3.2	2.4	2.9	2.6	9.1	9.4	9.5
28 UTAH .....	525.4	548.4	554.1	15.9	17.7	18.3	34.7	35.6	31.9	80.2	86.8	88.6
29 Salt Lake City—Ogden .....	374.2	388.7	391.2	7.0	7.5	7.1	23.9	24.3	21.6	54.1	58.9	60.6
30 VERMONT .....	190.6	197.9	199.7	.7	.8	.7	10.0	10.3	10.0	47.7	50.8	50.6
31 Burlington .....	51.3	55.4	56.9	-	-	-	-	-	-	12.5	14.1	14.6
32 Springfield .....	14.1	14.6	14.5	-	-	-	-	-	-	5.8	6.1	6.2
33 VIRGINIA .....	2,033.5	2,058.4	2,120.9	20.5	24.2	23.9	130.2	135.4	124.3	409.4	413.1	410.5
34 Bristol .....	27.2	28.5	28.4	(1)	(1)	(1)	1.3	1.4	1.3	9.7	9.8	9.4
35 Lynchburg .....	68.9	72.1	72.0	(1)	(1)	(1)	3.3	3.5	3.6	29.2	29.6	29.0
36 Newport News—Hampton .....	144.6	145.9	152.3	(1)	(1)	(1)	7.5	7.5	7.2	34.1	32.2	34.7
37 Norfolk Virginia Beach Portsmouth .....	277.9	285.4	284.2	(1)	(1)	(1)	18.3	17.8	15.9	29.0	30.1	29.2
38 Northern Virginia .....	408.7	425.1	430.5	.3	.4	.4	29.6	30.2	27.3	15.4	16.5	17.1
39 Petersburg Colonial Hghts. Hopewell .....	46.4	47.0	48.0	(1)	(1)	(1)	2.4	2.5	3.1	12.6	12.2	11.9
40 Richmond .....	315.2	324.9	325.9	.4	.4	.4	19.0	19.0	16.8	53.5	55.4	55.6
41 Roanoke .....	102.9	104.6	105.1	.2	.1	.1	5.9	6.2	6.2	21.2	20.9	21.0
42 WASHINGTON .....	1,485.6	1,581.2	1,606.5	2.8	3.0	3.2	92.7	104.4	91.0	284.7	309.6	307.4
43 Seattle—Everett .....	698.2	760.3	785.3	(1)	(1)	(1)	38.6	44.8	41.2	147.6	168.4	174.7
44 Spokane .....	123.6	125.4	127.6	(1)	(1)	(1)	7.5	7.8	6.8	17.6	17.8	16.9
45 Tacoma .....	134.8	140.1	141.1	(1)	(1)	(1)	8.1	8.6	7.3	21.3	22.1	21.9
46 WEST VIRGINIA .....	633.1	658.6	645.9	56.7	68.0	66.0	43.7	39.0	36.3	126.6	126.1	117.2
47 Charleston .....	113.2	118.4	117.1	5.8	7.5	7.0	7.2	7.2	6.8	19.7	19.6	18.1
48 Huntington—Ashland .....	106.4	109.0	104.4	.9	1.1	1.1	8.1	7.3	5.4	29.1	29.1	26.7
49 Parkersburg—Marletta .....	56.9	59.3	58.6	.5	.7	.9	3.6	3.7	3.6	17.6	18.2	16.9
50 Wheeling .....	65.5	67.9	65.8	6.1	7.4	5.7	3.7	3.1	3.0	13.8	13.4	11.9
51 WISCONSIN .....	1,987.0	1,960.2	1,944.8	2.6	2.6	2.6	78.5	80.5	70.0	569.7	591.3	560.2
52 Appleton—Oshkosh .....	121.7	128.8	126.0	(1)	(1)	(1)	5.9	6.4	6.2	47.5	50.6	47.3
53 Eau Claire .....	45.9	47.7	47.4	(1)	(1)	(1)	2.0	2.0	1.8	9.4	9.0	8.6
54 Green Bay .....	75.7	77.5	78.0	(1)	(1)	(1)	3.7	3.7	3.7	21.4	21.8	21.8
55 Janesville—Beloit .....	-	52.6	49.0	-	(1)	(1)	-	1.9	1.9	-	21.8	17.4
56 Kenosha .....	43.2	45.7	44.3	(1)	(1)	(1)	2.0	3.0	2.5	17.0	18.3	17.0
57 La Crosse .....	41.5	43.4	45.1	(1)	(1)	(1)	1.7	1.8	1.6	10.7	10.7	11.0
58 Madison .....	160.3	166.9	169.9	(1)	(1)	(1)	7.7	7.7	6.6	19.9	19.9	20.1
59 Milwaukee .....	658.0	691.4	676.0	(1)	(1)	(1)	23.6	23.4	20.4	211.6	220.2	207.7
60 Racine .....	69.4	71.7	69.6	(1)	(1)	(1)	2.4	2.3	1.8	30.4	31.9	30.2
61 WYOMING .....	187.4	200.7	205.6	29.2	32.6	35.1	15.3	20.8	20.1	9.6	10.1	10.5
62 Casper .....	35.1	37.6	39.0	6.8	7.1	7.2	3.6	3.6	3.9	1.7	1.9	1.8
63 Cheyenne .....	27.3	29.5	30.0	(1)	(1)	(1)	2.1	2.2	2.2	1.8	1.8	1.7

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**1. 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			
AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	
13.4	13.7	13.4	65.2	66.7	64.6	10.6	10.9	11.1	48.0	48.5	50.2	58.1	58.3	56.3	1
2.0	2.0	1.9	9.5	9.8	9.2	1.4	1.5	1.5	6.5	6.7	7.0	6.9	7.0	7.1	2
4.8	5.1	4.9	16.2	16.5	16.0	3.3	3.3	3.3	11.8	12.2	12.8	6.6	6.7	6.7	3
83.2	87.3	(*)	379.1	388.7	(*)	74.3	77.6	(*)	270.7	285.4	(*)	305.6	313.9	(*)	4
6.7	7.1	7.2	32.4	34.1	32.6	9.5	9.9	9.4	27.0	27.9	27.6	31.9	32.8	33.1	5
7.6	8.0	(*)	40.9	41.9	(*)	7.7	8.0	(*)	29.3	30.8	(*)	41.8	41.7	(*)	6
23.7	27.5	27.2	95.0	97.9	96.5	19.1	19.4	19.2	68.7	71.9	73.2	66.7	66.1	65.8	7
15.1	15.8	19.2	80.6	83.9	81.2	22.3	24.0	24.4	66.8	69.5	71.0	59.8	62.3	63.6	8
325.6	352.4	366.0	1,297.6	1,382.5	1,429.3	295.3	314.9	336.6	898.1	957.4	1,017.6	923.7	953.2	998.1	9
-	2.9	3.1	-	14.3	15.0	-	2.5	2.6	-	11.9	12.4	-	9.6	9.6	10
6.8	7.0	7.2	22.2	22.9	22.5	3.7	3.9	3.8	14.1	14.5	14.9	12.1	12.8	12.6	11
6.6	7.2	7.3	45.7	49.2	51.4	12.8	13.7	14.5	36.7	41.1	44.0	76.5	77.5	78.7	12
10.7	11.3	11.8	32.0	33.5	33.9	5.2	5.4	5.4	23.8	25.3	26.4	18.3	19.5	20.0	13
6.7	7.0	7.5	27.0	28.6	28.7	5.2	5.5	5.5	17.8	19.2	20.9	25.5	25.8	26.0	14
12.8	13.3	14.2	34.8	36.4	37.2	9.5	10.1	10.7	22.1	24.0	25.1	170.6	174.5	181.8	15
10.4	11.1	11.0	37.3	39.1	39.3	7.0	7.3	7.4	24.3	24.7	25.4	31.1	32.0	34.5	16
5.9	6.4	6.5	12.7	13.2	13.9	4.2	4.5	4.6	10.9	11.0	11.1	15.6	16.2	17.9	17
52.9	58.6	60.2	310.0	337.7	348.1	75.2	82.3	88.1	245.2	259.8	274.8	144.3	153.2	161.1	18
-	3.3	3.5	-	14.9	15.0	-	2.2	2.3	-	12.4	12.9	-	6.9	7.3	19
5.0	5.1	5.1	25.9	26.1	26.3	4.5	4.7	4.8	15.4	16.1	16.5	18.3	18.5	19.0	20
-	2.4	2.4	-	8.7	9.5	-	2.1	2.2	-	5.4	6.1	-	4.4	4.6	21
-	2.4	2.5	-	14.2	15.7	-	1.7	1.9	-	6.2	6.5	-	6.0	6.4	22
-	3.1	3.2	-	8.0	8.2	-	1.3	1.5	-	6.3	6.7	-	6.0	6.2	23
15.9	17.6	18.4	92.1	96.9	98.8	24.0	25.1	26.7	69.2	74.2	79.1	92.2	92.2	93.2	24
-	2.2	2.3	-	7.1	7.0	-	1.2	1.3	-	5.4	5.7	-	4.9	4.9	25
3.1	3.2	3.4	15.4	16.1	17.1	3.8	4.0	4.1	13.2	14.2	14.9	11.2	11.3	11.6	26
2.4	2.4	2.6	12.5	12.6	13.2	2.2	2.3	2.3	7.4	7.8	8.2	11.1	10.9	10.9	27
21.7	33.6	34.7	126.8	129.3	129.0	24.3	25.8	25.9	90.9	96.3	99.6	121.0	123.2	126.1	28
25.1	26.6	27.4	94.3	96.3	95.9	19.8	20.8	20.8	62.7	66.5	68.3	87.3	87.8	89.5	29
8.7	9.0	8.8	39.3	41.0	40.7	7.5	7.8	8.1	41.6	42.4	44.0	35.1	35.8	36.8	30
2.2	2.4	2.4	10.8	12.0	11.8	-	-	-	10.7	11.3	12.0	-	-	-	31
.7	.7	.7	2.2	2.2	2.1	-	-	-	2.6	2.7	2.6	-	-	-	32
107.6	114.3	114.8	428.1	439.9	447.3	97.1	103.3	105.6	357.9	374.6	386.9	482.7	493.6	507.6	33
1.0	1.1	1.1	6.2	6.8	6.6	.9	1.0	1.0	3.2	3.5	3.8	4.9	4.9	5.2	34
2.5	2.7	2.8	11.5	12.2	11.8	3.1	3.4	3.6	9.6	10.6	10.9	9.7	10.1	10.3	35
4.8	5.1	5.1	27.2	28.1	28.8	4.8	5.0	5.1	26.5	27.0	28.6	39.7	41.0	42.8	36
18.0	19.3	19.0	67.0	69.2	69.0	14.1	14.6	14.6	51.3	53.6	54.9	80.2	80.8	81.5	37
26.9	28.3	29.1	96.1	98.6	98.4	25.2	26.8	27.0	100.2	107.6	112.4	115.0	116.7	118.8	38
1.3	1.5	1.5	8.5	8.4	8.2	1.2	1.3	1.3	5.6	5.8	6.2	14.8	15.3	15.8	39
18.6	19.4	19.7	73.4	74.7	73.0	24.7	26.4	26.9	55.0	56.9	59.2	70.6	72.7	74.3	40
5.1	10.1	9.9	25.8	26.1	25.8	5.8	6.1	6.3	19.0	19.5	19.6	15.9	15.6	16.2	41
83.8	89.4	91.2	357.8	379.1	383.6	83.3	89.4	91.8	272.5	290.8	308.0	308.0	315.5	330.3	42
47.1	51.3	53.5	170.5	183.8	187.6	49.6	53.7	56.3	131.9	142.9	152.9	112.9	115.4	119.1	43
7.9	8.0	7.9	34.2	35.8	35.3	8.0	8.1	8.2	27.0	26.2	29.2	21.4	21.7	23.3	44
6.4	6.6	7.0	32.0	33.2	32.9	6.7	7.1	7.2	28.3	30.2	31.3	32.0	32.3	33.5	45
40.2	43.8	43.2	131.8	131.9	129.8	21.2	21.7	22.0	92.7	97.8	97.9	120.3	130.1	133.4	46
5.3	10.0	9.9	26.8	27.3	26.7	4.9	5.1	5.1	19.6	20.1	20.4	19.9	21.6	23.0	47
5.2	10.1	9.8	23.2	23.8	23.4	3.8	4.0	3.8	14.7	15.7	15.5	17.4	18.0	18.8	48
2.6	2.7	2.5	12.5	13.0	12.8	2.0	2.0	2.0	8.7	9.4	10.0	9.5	9.8	9.9	49
3.6	3.8	3.9	15.0	15.8	15.6	2.5	2.7	2.8	12.8	13.1	13.6	7.9	8.7	9.2	50
88.4	92.2	92.0	426.6	441.2	439.3	85.7	90.3	93.4	337.3	351.9	365.9	298.2	310.1	321.4	51
4.3	4.5	4.3	25.2	26.3	25.8	4.8	5.1	5.4	19.0	20.0	20.6	15.1	15.9	16.3	52
2.5	2.7	2.6	11.8	12.8	12.7	1.5	1.6	1.6	9.0	9.5	9.8	9.7	10.1	10.2	53
5.5	5.7	5.8	18.9	19.6	19.5	2.5	2.4	2.4	13.7	14.3	15.0	10.1	10.0	10.2	54
-	2.2	2.0	-	11.6	11.2	-	1.3	1.3	-	8.4	8.5	-	6.3	6.7	55
1.4	1.4	1.3	8.3	8.3	8.2	.9	1.0	1.1	7.4	7.6	7.7	6.2	6.1	5.8	56
2.3	2.4	2.4	10.9	11.4	11.9	1.0	1.1	1.1	8.6	9.4	10.2	6.2	6.6	6.9	57
5.9	6.1	6.3	34.6	35.4	35.8	11.2	12.1	12.7	28.3	30.4	31.1	52.7	55.3	57.4	58
22.9	34.7	34.5	147.6	147.8	145.2	36.1	38.0	39.5	131.0	136.1	142.7	75.3	81.2	86.1	59
2.2	2.2	2.3	12.9	13.4	12.9	2.1	2.3	2.2	10.8	11.2	11.4	8.6	8.4	8.7	60
14.8	16.4	17.4	41.9	44.3	43.9	6.4	7.1	7.2	27.2	28.6	29.2	39.1	40.8	42.3	61
2.6	2.7	3.0	9.3	9.9	10.4	1.4	1.6	1.7	5.0	5.6	5.7	4.6	5.0	5.3	62
3.6	4.3	4.5	6.4	7.0	6.8	1.5	1.6	1.5	4.3	4.4	4.8	7.5	8.2	8.5	63



**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**1. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980
1 PUERTO RICO .....	(*)	(*)	(*)	.9	.8	.9	36.1	35.4	39.4	(*)	(*)	(*)
2 Caguas .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
3 Mayaguez .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
4 Ponce .....	(*)	(*)	(*)	(*)	(*)	(*)	3.6	3.6	3.7	(*)	(*)	(*)
5 San Juan .....	(*)	(*)	(*)	(*)	(*)	(*)	25.0	24.7	27.2	(*)	(*)	(*)
6 VIRGIN ISLANDS .....	33.8	36.1	36.7	(2)	(2)	(2)	2.4	2.8	3.2	2.9	3.2	3.2

<sup>1</sup> Combined with services.  
<sup>2</sup> Combined with construction.  
<sup>3</sup> Area included in Chicago-Gary Standard Consolidated Statistical Area. published data.  
<sup>4</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.  
<sup>5</sup> Subarea of New York—Northeastern New Jersey.  
<sup>6</sup> Subarea of Rochester Standard Metropolitan Statistical Area.  
<sup>7</sup> Area included in New York and Nassau Suffolk combined SMSA's.  
<sup>8</sup> Based on 1979 benchmark; not strictly comparable with data published in table B-8.  
<sup>9</sup> Subarea of New York Standard Metropolitan Statistical Area.  
<sup>10</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.  
<sup>11</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.  
<sup>12</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.  
<sup>13</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.  
<sup>14</sup> Total includes data for industry divisions not shown separately.  
<sup>15</sup> 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.  
\* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**1. 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			
AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	
16.9	17.8	17.4	108.4	114.7	114.5	24.9	35.9	27.2	76.8	83.1	83.8	(*)	246.0	258.6	1
(*)	(*)	(*)	5.2	5.6	5.6	(*)	(*)	(*)	(*)	(*)	(*)	(*)	11.4	12.5	2
(*)	(*)	(*)	5.8	5.9	5.7	(*)	(*)	(*)	(*)	(*)	(*)	(*)	15.2	15.9	3
(*)	(*)	(*)	7.7	7.3	7.9	(*)	(*)	(*)	(*)	7.4	7.3	(*)	18.2	18.9	4
(*)	14.2	13.7	67.4	71.2	72.3	19.1	19.7	20.5	52.0	57.0	57.7	(*)	118.0	123.1	5
1.9	2.0	2.0	6.8	7.2	7.4	1.4	1.5	1.3	5.6	5.9	6.0	12.8	13.5	13.4	6

NOTE: Data are adjusted to 1980 benchmark levels except for the following: Illinois and areas (December 1979); Chicago—Gary, Ill.—In. (Illinois portion, December 1979, Indiana portion, March 1980); Maryland and Baltimore (March

1979); St. Louis, Missouri (March 1979); New York—Northeastern New Jersey (March 1979); and Virginia and areas (December 1978).

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

**2. 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		
	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980
<b>ALABAMA</b> .....	\$219.24	\$242.16	\$260.25	40.6	40.7	40.1	\$5.40	\$5.95	\$6.49
Birmingham .....	257.92	285.82	302.65	40.3	40.6	40.3	6.40	7.04	7.51
Mobile .....	266.98	299.39	325.60	41.2	40.9	41.2	6.48	7.32	8.00
<b>ALASKA</b> .....	375.66	401.25	436.49	42.4	43.9	42.7	8.86	9.14	10.22
<b>ARIZONA</b> .....	243.01	268.77	292.33	40.3	40.6	40.1	6.03	6.62	7.29
Phoenix .....	244.02	268.21	289.04	40.4	40.7	40.2	6.04	6.59	7.19
Tucson .....	225.61	247.26	278.40	39.1	39.0	38.4	5.77	6.34	7.25
<b>ARKANSAS</b> .....	185.50	205.52	224.40	39.3	39.6	39.3	4.72	5.19	5.71
Fayetteville—Springdale .....	168.67	189.48	202.66	39.5	40.4	39.2	4.27	4.69	5.17
Fort Smith .....	193.94	209.97	218.30	39.1	39.1	37.9	4.96	5.37	5.76
Little Rock—North Little Rock .....	212.07	234.40	250.49	39.2	40.0	39.2	5.41	5.86	6.39
Pine Bluff .....	246.69	280.81	317.06	41.6	42.1	41.5	5.93	6.67	7.64
<b>CALIFORNIA</b> .....	257.84	280.50	304.15	40.1	39.9	39.5	6.43	7.03	7.70
Anaheim—Santa Ana—Garden Grove .....	240.54	257.28	288.15	40.2	40.2	40.3	5.91	6.40	7.15
Bakersfield .....	271.55	301.60	327.02	39.7	40.0	39.4	6.84	7.54	8.30
Fresno .....	251.67	250.24	279.30	39.2	39.1	38.9	5.91	6.40	7.18
Los Angeles—Long Beach .....	241.38	264.11	290.07	40.5	40.2	39.9	5.96	6.57	7.27
Modesto .....	256.71	270.78	296.81	39.8	39.3	38.9	6.45	6.89	7.63
Oxnard—Simi Valley—Ventura .....	220.25	246.09	262.68	39.4	39.5	38.8	5.59	6.23	6.77
Riverside—San Bernardino—Ontario .....	265.86	289.92	299.15	40.1	40.1	38.6	6.63	7.23	7.75
Sacramento .....	277.38	298.74	324.43	39.4	39.0	38.9	7.04	7.66	8.34
Salinas—Seaside—Monterey .....	247.15	261.20	277.88	38.2	37.8	37.1	6.47	6.91	7.49
San Diego .....	242.35	259.11	287.82	38.9	38.5	39.0	6.23	6.73	7.38
San Francisco—Oakland .....	310.44	323.32	361.03	39.6	39.4	39.2	7.80	8.46	9.21
San Jose .....	276.34	297.19	323.18	40.4	40.6	39.8	6.84	7.32	8.12
Santa Barbara—Santa Maria—Lompoc .....	224.91	239.36	263.41	37.8	37.4	37.9	5.95	6.40	6.95
Santa Rosa .....	232.99	251.08	272.03	37.7	38.1	38.1	6.18	6.59	7.14
Stockton .....	281.95	300.17	326.67	39.6	39.6	39.5	7.12	7.58	8.27
Vallejo—Fairfield—Napa .....	268.19	296.82	317.75	38.7	38.8	38.1	6.93	7.65	8.34
<b>COLORADO</b> .....	244.05	273.74	301.32	39.3	39.5	39.7	6.21	6.93	7.59
Denver—Boulder .....	240.07	271.96	300.56	39.1	39.3	39.6	6.14	6.92	7.59
<b>CONNECTICUT</b> .....	250.32	270.06	295.94	42.0	42.0	41.8	5.96	6.43	7.08
Bridgeport .....	263.61	285.55	311.58	43.5	43.2	42.8	6.06	6.61	7.28
Hartford .....	275.63	301.74	323.09	42.8	42.8	42.4	6.44	7.05	7.62
New Britain .....	257.98	281.85	306.55	42.5	42.9	42.4	6.07	6.57	7.23
New Haven—West Haven .....	249.67	269.86	283.27	41.2	41.2	40.7	6.06	6.55	6.96
Stamford .....	250.62	274.77	281.90	41.7	43.0	42.2	6.01	6.39	6.68
Waterbury .....	216.11	236.46	250.47	41.8	42.0	41.4	5.17	5.63	6.05
<b>DELAWARE</b> .....	263.20	278.08	306.23	40.0	39.5	40.4	6.58	7.04	7.58
Wilmington .....	297.31	316.00	353.63	39.8	39.5	40.6	7.47	8.00	8.71
<b>DISTRICT OF COLUMBIA:</b>									
Washington SMSA <sup>1</sup> .....	262.75	303.41	332.48	39.1	39.2	39.3	6.72	7.74	8.46
<b>FLORIDA</b> .....	207.36	221.94	243.98	40.9	40.5	40.8	5.07	5.48	5.98
Fort Lauderdale—Hollywood .....	194.17	210.71	225.76	40.2	40.6	40.1	4.83	5.19	5.63
Jacksonville .....	243.36	259.31	283.03	40.9	40.9	40.9	5.95	6.34	6.92
Lakeland—Winter Haven <sup>2</sup> .....	231.69	259.92	282.00	44.3	45.6	44.2	5.23	5.70	6.38
Miami .....	177.41	193.52	206.32	39.6	39.9	39.6	4.48	4.85	5.21
Orlando <sup>2</sup> .....	219.66	234.11	263.76	42.0	41.0	41.8	5.23	5.71	6.31
Pensacola <sup>2</sup> .....	269.14	295.99	298.80	43.2	43.4	41.1	6.23	6.82	7.27
Tampa—St. Petersburg <sup>2</sup> .....	213.20	220.20	250.10	41.0	40.6	41.0	5.20	5.67	6.10
West Palm Beach—Boca Raton .....	265.31	247.42	275.22	43.0	41.1	41.7	6.17	6.02	6.60
<b>GEORGIA</b> .....	195.69	214.12	231.65	40.1	40.4	40.2	4.88	5.30	5.77
Atlanta .....	227.55	250.88	263.45	39.3	40.4	38.8	5.79	6.21	6.79
Savannah .....	267.07	300.47	325.43	42.8	43.8	43.8	6.24	6.86	7.43
<b>HAWAII</b> .....	227.74	244.35	258.17	38.6	38.3	37.8	5.90	6.38	6.83
Honolulu .....	222.26	240.53	256.74	37.8	37.7	37.7	5.88	6.38	6.81
<b>IDAHO</b> .....	253.36	265.04	280.11	38.8	38.3	37.1	6.53	6.92	7.55
Boise City .....	233.09	235.84	248.15	38.4	38.1	36.6	6.07	6.19	6.78

See footnotes at end of table.

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

**2. 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		
	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980
<b>ILLINOIS</b> .....	\$271.42	\$296.66	\$320.15	40.1	40.7	39.8	\$6.76	\$7.30	\$8.04
Bloomington—Normal .....	234.46	272.46	288.00	39.7	41.8	40.3	5.90	6.52	7.15
Champaign—Urbana—Rantoul .....	253.67	264.19	243.40	38.8	39.0	33.9	6.54	6.77	7.18
Chicago SMSA .....	268.97	283.08	299.56	40.9	40.2	39.5	6.58	7.03	7.58
Davenport—Rock Island—Moline .....	277.27	335.05	374.73	38.2	38.9	39.3	7.25	8.61	9.54
Decatur .....	302.10	327.72	338.03	41.7	41.3	36.9	7.24	7.93	9.15
Kankakee .....	-	-	275.39	-	-	39.2	-	-	7.02
Peoria .....	317.44	344.26	392.02	38.2	38.7	39.3	8.31	8.89	9.97
Rockford .....	282.70	300.22	310.05	42.3	41.8	40.1	6.68	7.18	7.73
Springfield .....	306.86	327.99	311.55	42.3	42.7	38.8	7.25	7.68	8.04
<b>INDIANA</b> .....	295.40	315.94	337.90	41.2	40.5	39.8	7.17	7.74	8.49
Gary—Hammond—East Chicago .....	395.12	423.95	444.43	41.9	41.2	39.4	9.42	10.29	11.28
Indianapolis .....	297.20	315.70	338.96	41.8	41.0	40.4	7.11	7.70	8.39
<b>IOWA</b> .....	281.50	313.88	343.33	40.1	40.5	39.6	7.02	7.75	8.67
Cedar Rapids .....	283.41	317.18	346.52	40.2	41.3	40.2	7.05	7.68	8.62
Des Moines .....	284.52	317.58	348.66	38.5	39.5	39.0	7.39	8.04	8.94
Dubuque .....	337.31	365.71	395.53	40.3	40.1	39.2	8.37	9.12	10.09
Sioux City .....	249.08	288.69	329.16	39.6	41.3	41.3	6.29	6.99	7.67
Waterloo—Cedar Falls .....	374.91	420.83	452.64	42.7	43.7	41.0	8.78	9.63	11.04
<b>KANSAS</b> .....	(*)	273.10	295.80	(*)	40.7	40.3	(*)	6.71	7.34
Topeka .....	(*)	290.21	306.48	(*)	41.4	39.7	(*)	7.01	7.72
Wichita .....	(*)	297.91	328.05	(*)	41.9	40.5	(*)	7.11	8.10
<b>KENTUCKY</b> .....	247.90	266.74	286.99	39.6	39.4	39.1	6.26	6.77	7.34
Lexington—Fayette .....	-	262.01	277.59	-	39.4	38.5	-	6.65	7.21
Louisville .....	283.61	309.06	330.96	40.4	40.4	39.4	7.02	7.65	8.40
<b>LOUISIANA</b> .....	267.07	287.86	318.89	41.6	41.3	41.2	6.42	6.97	7.74
Baton Rouge .....	338.09	365.51	416.56	43.4	42.7	42.9	7.79	8.56	9.71
New Orleans .....	253.04	278.47	322.28	39.6	40.3	41.8	6.39	6.91	7.71
Shreveport .....	237.63	250.97	276.51	40.9	39.9	39.9	5.81	6.29	6.93
<b>MAINE</b> .....	197.38	217.34	240.03	40.2	40.1	40.0	4.91	5.42	6.00
Lewiston—Auburn .....	160.09	175.68	193.55	38.3	37.7	38.1	4.18	4.66	5.08
Portland .....	198.09	210.14	229.91	40.1	39.5	39.3	4.94	5.32	5.85
<b>MARYLAND</b> .....	257.75	283.60	301.36	39.9	40.0	39.6	6.46	7.09	7.61
Baltimore .....	276.34	300.98	318.77	40.4	40.4	40.3	6.84	7.45	7.91
<b>MASSACHUSETTS</b> .....	222.71	239.80	257.80	40.2	40.1	39.6	5.54	5.98	6.51
Boston .....	244.21	264.55	280.99	40.1	40.7	39.8	6.09	6.50	7.06
Brockton .....	173.74	187.83	205.00	38.1	38.9	38.9	4.56	4.93	5.27
Fall River .....	159.36	179.63	189.59	36.3	37.5	36.6	4.39	4.79	5.18
Lawrence—Haverhill .....	215.60	240.60	273.06	39.2	40.1	41.0	5.50	6.00	6.66
Lowell .....	193.85	204.48	230.86	39.4	38.8	38.8	4.92	5.27	5.95
New Bedford .....	188.86	207.97	213.50	38.7	38.8	37.2	4.88	5.36	5.75
Springfield—Chicopee—Holyoke .....	227.98	241.90	260.82	41.3	41.0	40.5	5.52	5.90	6.44
Worcester .....	228.48	241.60	260.70	40.8	40.2	39.5	5.60	6.01	6.60
<b>MICHIGAN</b> .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Ann Arbor .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Battle Creek .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Bay City .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Detroit .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Flint .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Grand Rapids .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Jackson .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Kalamazoo—Portage .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Lansing—East Lansing .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Muskegon—Norton Shores—Muskegon Heights .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Saginaw .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
<b>MINNESOTA</b> .....	258.89	277.20	299.83	40.2	40.0	39.4	6.44	6.93	7.61
Duluth—Superior .....	236.56	264.27	267.00	39.1	39.8	37.5	6.05	6.64	7.12
Minneapolis—St. Paul .....	278.80	297.34	317.19	40.7	40.4	39.5	6.85	7.36	8.03
St. Cloud .....	-	209.41	215.12	-	37.8	34.2	-	5.54	6.29

See footnotes at end of table.

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

**2. 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		
	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980
<b>MISSISSIPPI</b> .....	\$181.94	\$156.02	\$213.79	39.9	39.6	39.3	\$4.56	\$4.95	\$5.44
Jackson .....	203.61	223.02	239.76	41.3	41.3	40.5	4.93	5.40	5.92
<b>MISSOURI</b> .....	248.40	264.65	264.59	40.0	39.5	39.2	6.21	6.70	7.26
Kansas City .....	281.48	304.80	323.14	40.5	40.0	39.6	6.95	7.62	8.16
St. Joseph .....	224.58	249.80	275.02	39.4	39.4	39.8	5.70	6.34	6.91
St. Louis .....	289.87	303.11	324.32	41.0	40.2	39.6	7.07	7.54	8.19
Springfield .....	207.48	234.82	263.21	39.0	39.4	39.7	5.32	5.96	6.63
<b>MONTANA</b> .....	333.49	362.08	379.30	42.7	42.9	43.2	7.81	8.44	8.78
<b>NEBRASKA</b> .....	239.61	269.69	258.08	41.1	41.3	40.5	5.83	6.53	7.36
Lincoln .....	234.35	255.45	279.13	38.8	39.0	38.5	6.04	6.55	7.25
Omaha .....	258.49	279.45	299.77	40.9	40.5	39.6	6.32	6.90	7.57
<b>NEVADA</b> .....	251.79	267.58	294.90	38.5	38.5	38.2	6.54	6.95	7.72
Las Vegas .....	318.00	348.38	359.33	39.8	39.1	39.4	7.99	8.91	9.12
<b>NEW HAMPSHIRE</b> <sup>2</sup> .....	199.08	216.28	233.63	40.3	40.2	39.8	4.94	5.38	5.87
Manchester <sup>2</sup> .....	175.95	190.22	217.56	39.1	38.9	39.2	4.50	4.89	5.55
Nashua <sup>2</sup> .....	222.19	236.74	260.18	41.3	41.1	40.4	5.38	5.76	6.44
<b>NEW JERSEY</b> <sup>3</sup> .....	256.22	278.21	295.71	40.8	41.4	41.0	6.28	6.72	7.31
Atlantic City <sup>3</sup> .....	196.08	223.69	228.66	38.0	38.5	37.0	5.16	5.81	6.18
Camden <sup>3, 4</sup> .....	251.74	266.50	295.92	40.8	41.0	41.1	6.17	6.50	7.20
Hackensack <sup>3, 5</sup> .....	238.14	248.47	265.72	42.7	40.6	40.2	5.78	6.12	6.61
Jersey City <sup>3, 5</sup> .....	248.65	266.02	288.26	40.3	40.8	40.6	6.17	6.52	7.10
New Brunswick—Perth Amboy—Sayreville <sup>3, 5</sup> .....	281.63	315.98	349.43	41.6	42.3	42.1	6.77	7.47	8.30
Newark <sup>3, 5</sup> .....	259.75	289.76	311.74	41.1	42.3	41.4	6.32	6.85	7.53
Paterson—Clifton—Passaic <sup>3, 5</sup> .....	241.78	257.29	277.03	41.4	41.1	40.8	5.84	6.26	6.79
Trenton <sup>3</sup> .....	260.43	285.11	301.46	39.7	40.1	38.5	6.56	7.11	7.83
<b>NEW MEXICO</b> .....	187.77	211.72	230.44	39.2	39.5	39.8	4.79	5.36	5.79
Albuquerque .....	190.16	214.92	246.38	39.7	39.8	41.2	4.79	5.40	5.98
<b>NEW YORK</b> .....	241.98	260.17	282.89	39.8	39.6	39.4	6.08	6.57	7.18
Albany—Schenectady—Troy .....	263.81	278.59	302.25	40.4	40.2	40.3	6.53	6.93	7.50
Binghamton .....	226.05	243.21	268.56	41.1	41.1	41.0	5.50	5.92	6.56
Buffalo .....	322.92	347.71	369.84	41.4	41.1	40.2	7.80	8.46	9.20
Elmira .....	242.61	264.14	285.32	40.3	40.7	40.3	6.02	6.49	7.08
Monroe County <sup>6</sup> .....	316.68	348.19	382.47	42.0	41.8	41.8	7.54	8.33	9.15
Nassau—Suffolk <sup>7</sup> .....	224.97	244.95	271.83	39.4	39.7	39.8	5.71	6.17	6.83
New York—Northeastern New Jersey .....	229.89	248.75	270.28	39.5	39.8	39.4	5.82	6.25	6.86
New York and Nassau—Suffolk <sup>7</sup> .....	209.38	225.93	246.35	38.0	38.1	37.9	5.51	5.93	6.50
New York SMSA <sup>7</sup> .....	205.84	221.30	239.73	37.7	37.7	37.4	5.46	5.87	6.41
New York City <sup>8</sup> .....	202.00	217.46	235.69	37.2	37.3	37.0	5.43	5.83	6.37
Poughkeepsie .....	249.57	264.39	289.67	42.3	42.1	41.8	5.90	6.28	6.93
Rochester .....	297.74	327.02	357.70	41.7	41.5	41.4	7.14	7.88	8.64
Rockland County <sup>8</sup> .....	242.28	250.70	274.04	41.7	40.5	40.3	5.81	6.19	6.80
Syracuse .....	271.41	291.58	315.82	41.5	41.3	41.5	6.54	7.06	7.61
Utica—Rome .....	232.23	250.26	266.39	40.6	40.3	39.7	5.72	6.21	6.71
Westchester County <sup>8</sup> .....	240.02	248.88	270.66	41.1	40.6	40.7	5.84	6.13	6.65
<b>NORTH CAROLINA</b> .....	177.91	192.85	211.04	39.8	39.6	39.3	4.47	4.87	5.37
Asheville .....	175.60	191.75	209.22	40.0	40.2	39.7	4.39	4.77	5.27
Charlotte—Gastonia .....	183.64	197.80	215.74	40.9	40.7	40.4	4.49	4.86	5.34
Greensboro—Winston-Salem—High Point .....	152.55	170.14	232.66	39.7	39.5	39.3	4.85	5.32	5.92
Raleigh—Durham .....	200.40	219.85	244.55	40.0	39.9	39.7	5.01	5.51	6.16
<b>NORTH DAKOTA</b> .....	220.34	233.82	245.63	39.7	39.1	37.5	5.55	5.98	6.55
Fargo—Moorhead .....	237.77	251.29	266.72	39.3	38.9	37.2	6.05	6.46	7.17
<b>OHIO</b> .....	306.91	325.36	347.94	42.1	41.5	40.6	7.29	7.84	8.57
Akron .....	304.14	321.57	361.88	42.3	41.6	41.5	7.19	7.73	8.72
Canton .....	304.67	330.88	342.81	40.3	40.9	39.0	7.56	8.09	8.79
Cincinnati .....	286.70	303.37	332.07	42.1	41.5	41.2	6.81	7.31	8.06
Cleveland .....	321.75	337.60	350.38	42.9	42.2	40.6	7.50	8.00	8.63
Columbus .....	264.62	282.71	305.34	40.4	40.1	39.5	6.55	7.05	7.73
Dayton .....	315.86	336.80	358.98	42.8	42.1	41.5	7.38	8.00	8.65
Toledo .....	319.27	322.93	361.34	42.4	40.9	40.6	7.53	8.14	8.90
Youngstown—Warren .....	353.56	377.29	409.77	41.4	40.7	39.9	8.54	9.27	10.27

See footnotes at end of table.

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

**2. 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		
	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980
<b>OKLAHOMA</b> .....	\$233.56	\$264.46	\$255.14	40.2	40.5	40.1	\$5.81	\$6.53	\$7.36
Oklahoma City.....	230.00	269.10	316.68	40.0	41.4	40.6	5.75	6.50	7.80
Tulsa.....	248.40	283.20	310.82	40.0	40.4	39.9	6.21	7.01	7.79
<b>OREGON</b> .....	281.97	304.92	329.57	39.0	38.5	38.1	7.23	7.92	8.65
Eugene—Springfield.....	315.09	331.35	360.24	40.5	39.4	39.5	7.78	8.41	9.12
Jackson County.....	285.64	313.56	333.21	38.6	39.0	38.3	7.40	8.04	8.70
Portland.....	266.19	292.59	325.66	38.3	37.9	38.0	6.95	7.72	8.57
Salem.....	-	-	299.63	-	-	36.9	-	-	8.12
<b>PENNSYLVANIA</b> .....	254.80	278.10	254.49	40.0	39.9	38.8	6.37	6.97	7.59
Allentown—Bethlehem—Easton.....	248.30	277.29	300.25	38.2	38.3	38.2	6.50	7.24	7.86
Altoona.....	208.79	238.55	253.72	38.1	39.3	38.5	5.48	6.07	6.59
Delaware Valley <sup>9</sup> .....	262.94	284.80	304.10	39.9	40.0	39.7	6.59	7.12	7.66
Erie.....	263.33	288.29	313.75	41.6	41.6	40.8	6.33	6.93	7.69
Harrisburg.....	229.25	264.55	290.79	39.8	40.7	40.5	5.76	6.50	7.18
Johnstown.....	274.69	299.44	311.17	40.1	39.4	37.0	6.85	7.60	8.41
Lancaster.....	224.80	246.04	260.55	40.0	40.6	39.9	5.62	6.06	6.53
Northeast Pennsylvania.....	184.76	195.98	214.03	37.1	36.7	36.4	4.98	5.34	5.88
Philadelphia SMSA.....	261.20	281.50	302.84	40.0	40.1	39.9	6.53	7.02	7.59
Pittsburgh.....	313.03	345.17	360.89	40.6	40.8	39.1	7.71	8.46	9.23
Reading.....	226.20	248.71	278.16	38.6	38.5	39.4	5.86	6.46	7.06
Scranton <sup>10</sup> .....	194.78	195.08	209.81	38.8	37.3	36.3	5.02	5.23	5.78
Wilkes-Barre—Hazleton <sup>11</sup> .....	176.58	195.84	216.81	35.6	36.2	36.5	4.96	5.41	5.94
Williamsport.....	226.06	247.43	275.01	39.8	39.4	39.4	5.68	6.28	6.98
York.....	238.11	254.81	271.75	41.7	41.5	40.2	5.71	6.14	6.76
<b>RHODE ISLAND</b> .....	183.22	199.41	219.69	38.9	39.1	39.3	4.71	5.10	5.59
Providence—Warwick—Pawtucket.....	185.02	199.64	218.12	39.2	39.3	39.3	4.72	5.08	5.55
<b>SOUTH CAROLINA</b> .....	190.13	208.08	225.28	40.8	40.8	40.3	4.66	5.10	5.59
Charleston—North Charleston.....	219.12	235.82	260.18	41.5	40.8	40.4	5.28	5.78	6.44
Columbia.....	184.14	204.97	217.49	39.6	39.8	39.4	4.65	5.15	5.52
Greenville—Spartanburg.....	188.44	205.54	222.40	40.7	40.7	40.0	4.63	5.05	5.56
<b>SOUTH DAKOTA</b> .....	216.42	238.83	266.50	41.7	41.9	41.0	5.19	5.70	6.50
Rapid City.....	184.87	190.05	207.13	36.9	35.0	33.3	5.01	5.43	6.22
Sioux Falls.....	276.35	327.58	374.18	44.5	46.4	45.3	6.21	7.06	8.26
<b>TENNESSEE</b> .....	203.15	220.73	241.38	39.6	39.7	39.7	5.13	5.56	6.08
Chattanooga.....	209.44	224.62	247.25	40.2	40.4	40.6	5.21	5.56	6.09
Knoxville.....	238.58	260.98	274.51	40.3	40.4	39.9	5.92	6.46	6.88
Memphis.....	237.55	250.22	275.77	40.4	40.1	40.2	5.88	6.24	6.86
Nashville—Davidson.....	220.70	237.21	256.89	40.2	39.8	39.4	5.49	5.96	6.52
<b>TEXAS</b> .....	242.84	265.51	254.59	41.3	41.1	41.2	5.88	6.46	7.15
Abilene.....	-	-	155.70	-	-	41.2	-	-	4.75
Amarillo.....	238.43	255.27	268.42	42.2	40.2	41.8	5.65	6.35	6.90
Austin.....	188.63	206.23	235.57	42.2	41.0	41.4	4.47	5.03	5.69
Beaumont—Port Arthur—Orange.....	346.06	383.04	420.85	41.1	42.0	41.3	8.42	9.12	10.19
Corpus Christi.....	284.39	283.77	313.05	41.7	39.8	41.3	6.82	7.13	7.58
Dallas—Fort Worth.....	223.30	245.83	273.50	40.6	40.7	40.7	5.50	6.04	6.72
El Paso.....	179.78	224.80	204.27	39.6	40.0	41.1	4.54	5.62	4.97
Galveston—Texas City.....	387.13	407.89	429.72	43.4	42.4	41.2	8.92	9.62	10.43
Houston.....	305.81	333.94	374.11	43.5	43.2	43.2	7.03	7.73	8.66
Longview—Marshall.....	-	-	253.53	-	-	40.1	-	-	7.32
Lubbock.....	179.34	203.94	231.39	40.3	41.2	41.1	4.45	4.95	5.63
San Angelo.....	-	184.13	205.59	-	41.1	41.2	-	4.48	4.99
San Antonio.....	175.72	190.40	212.18	39.4	40.0	41.2	4.46	4.76	5.15
Sherman—Denison.....	-	-	256.31	-	-	40.3	-	-	6.36
Waco.....	206.96	224.64	245.78	40.5	39.9	39.9	5.11	5.63	6.16
Wichita Falls.....	213.06	235.20	264.26	40.2	40.0	40.1	5.30	5.88	6.59
<b>UTAH</b> .....	224.36	245.31	274.09	39.5	39.0	39.1	5.68	6.29	7.01
Salt Lake City—Ogden.....	216.00	231.08	263.47	40.0	39.1	39.5	5.40	5.91	6.67
<b>VERMONT</b> .....	209.10	225.62	249.28	41.0	40.8	40.6	5.10	5.53	6.14
Burlington.....	239.41	249.30	274.72	42.6	41.9	42.2	5.62	5.95	6.51
Springfield.....	242.50	266.91	285.76	42.1	42.3	41.9	5.76	6.31	6.82

See footnotes at end of table.

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

**2. 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		
	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980	AVG. 1978	AVG. 1979	AVG. 1980
<b>VIRGINIA</b> .....	\$203.38	\$221.53	\$244.45	39.8	39.7	39.3	\$5.11	\$5.58	\$6.22
Bristol .....	183.23	204.50	206.07	37.7	37.8	37.4	4.86	5.41	5.51
Lynchburg .....	207.43	224.32	240.30	40.2	40.2	39.2	5.16	5.58	6.13
Norfolk—Virginia Beach—Portsmouth .....	232.93	255.64	271.21	41.3	41.1	40.6	5.64	6.22	6.68
Northern Virginia <sup>12</sup> .....	238.98	250.80	277.01	40.3	40.0	39.8	5.93	6.27	6.96
Petersburg—Colonial Heights—Hopewell .....	244.29	266.85	297.00	38.9	38.9	39.6	6.28	6.86	7.50
Richmond .....	253.49	275.60	318.40	40.3	40.0	40.0	6.29	6.89	7.96
Roanoke .....	185.07	206.80	232.22	39.8	40.0	39.9	4.65	5.17	5.82
<b>WASHINGTON</b> .....	297.11	323.85	362.29	39.3	38.6	38.5	7.56	8.39	9.41
Seattle—Everett .....	301.80	334.70	373.05	39.4	39.1	38.9	7.66	8.56	9.59
Spokane .....	256.37	289.91	332.12	39.2	38.5	38.0	6.54	7.53	8.74
Tacoma .....	299.90	321.79	353.82	39.1	38.4	37.6	7.67	8.38	9.41
<b>WEST VIRGINIA</b> .....	264.53	293.44	316.74	39.6	39.6	39.2	6.68	7.41	8.08
Charleston .....	307.40	334.70	365.25	42.4	41.8	41.6	7.25	7.80	8.78
Huntington—Ashland .....	289.87	323.44	360.38	39.6	39.3	39.3	7.32	8.23	9.17
Parkersburg—Marietta .....	280.17	309.59	336.61	40.9	41.5	40.9	6.85	7.46	8.23
Wheeling .....	281.88	306.40	344.66	40.5	40.0	39.3	6.96	7.66	8.77
<b>WISCONSIN</b> .....	274.21	297.00	323.10	41.0	40.9	40.2	6.69	7.27	8.03
Appleton—Oshkosh .....	270.21	295.20	315.59	42.1	41.9	41.1	6.43	7.05	7.67
Eau Claire .....	267.40	288.08	318.24	40.7	40.5	41.0	6.57	7.12	7.76
Green Bay .....	279.72	304.51	335.30	41.8	41.7	41.7	6.69	7.29	8.04
Janesville—Beloit .....	-	312.40	337.12	-	40.0	40.3	-	7.81	8.37
Kenosha .....	309.06	350.14	371.41	39.9	41.0	39.9	7.75	8.54	9.32
La Crosse .....	218.43	240.46	281.56	40.0	40.3	40.3	5.46	5.97	6.99
Madison .....	275.56	289.92	320.44	39.9	39.6	39.1	6.91	7.30	8.19
Milwaukee .....	301.78	325.10	356.21	41.1	40.9	40.3	7.35	7.96	8.85
Racine .....	295.09	320.56	344.35	41.3	41.8	40.2	7.15	7.67	8.56
<b>WYOMING</b> .....	236.55	251.17	291.06	38.6	37.6	39.6	6.18	6.68	7.35
<b>VIRGIN ISLANDS</b> .....	250.31	274.03	295.10	40.9	40.9	41.1	6.12	6.70	7.18

<sup>1</sup> Data for 1978 not comparable with later years.  
<sup>2</sup> Data for 1980 not comparable with earlier years.  
<sup>3</sup> Hours and earnings based on March 1979 benchmark.  
<sup>4</sup> Subarea of Philadelphia Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.  
<sup>5</sup> Subarea of New York—Northeastern New Jersey.  
<sup>6</sup> Subarea of Rochester Standard Metropolitan Statistical Area.  
<sup>7</sup> Area included in New York and Nassau—Suffolk combined SMSA's.  
<sup>8</sup> Subarea of New York Standard Metropolitan Statistical Area.  
<sup>9</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

<sup>10</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.  
<sup>11</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.  
<sup>12</sup> 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.  
 \* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA  
STATE AND AREA LABOR TURNOVER**

**3. 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	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
<b>ALABAMA:</b>												
Birmingham .....	2.7	2.7	1.8	1.1	0.7	1.3	3.0	4.2	1.1	0.7	1.0	2.7
Mobile .....	7.0	7.3	2.3	2.2	4.5	5.0	6.4	7.2	1.5	1.4	4.0	5.0
<b>ALASKA</b> .....	18.4	(*)	13.8	(*)	3.4	(*)	14.5	(*)	5.2	(*)	7.0	(*)
<b>ARIZONA</b> .....	5.3	3.9	4.7	3.2	.5	.5	4.6	3.6	2.9	2.0	.5	.7
Phoenix .....	5.5	3.9	4.9	3.2	.5	.5	4.7	3.6	2.9	2.0	.5	.6
<b>ARKANSAS</b> .....	6.2	4.9	5.0	3.4	.8	1.2	6.3	5.5	4.1	2.9	1.1	1.7
Fort Smith .....	5.7	4.4	4.1	2.1	.9	1.6	5.9	5.2	3.7	2.0	.9	1.9
Little Rock—North Little Rock .....	4.5	3.3	3.7	2.4	.7	.7	4.8	3.9	2.7	1.7	.9	1.3
Pine Bluff .....	3.4	3.1	2.8	2.3	.4	.6	3.4	3.4	2.2	1.8	.5	.8
<b>CALIFORNIA</b> .....	(*)	3.9	(*)	2.8	(*)	.9	(*)	4.2	(*)	1.7	(*)	1.6
<b>COLORADO</b> .....	5.0	3.7	4.5	3.1	.4	.6	4.6	3.7	3.3	2.3	.4	.8
Denver—Boulder .....	4.4	3.5	4.1	3.0	.2	.4	4.2	3.4	2.9	2.1	.4	.6
<b>CONNECTICUT</b> .....	2.8	2.3	2.2	1.7	.3	.5	2.6	2.4	1.4	1.1	.4	.7
Hartford .....	2.9	2.1	2.5	1.7	.2	.3	2.3	2.1	1.4	.5	.3	.4
<b>DELAWARE</b> .....	3.0	3.8	1.3	1.5	1.3	1.9	3.3	3.9	.9	1.0	1.8	2.2
Wilmington .....	2.6	3.1	.9	.8	1.3	1.9	3.0	3.3	.6	.6	1.9	2.2
<b>FLORIDA</b> .....	5.5	4.9	4.7	4.0	.6	.7	5.3	4.9	3.3	2.9	.9	1.0
Fort Lauderdale—Hollywood .....	6.0	5.5	5.5	4.9	.3	.4	5.5	5.1	4.0	3.5	.4	.6
Jacksonville .....	4.6	4.8	3.3	2.9	1.1	1.8	4.7	4.8	2.1	1.9	1.6	1.9
Miami .....	5.1	4.7	4.6	4.1	.5	.6	5.0	4.8	3.2	2.8	.8	1.1
Orlando .....	4.8	4.2	4.1	3.4	.5	.7	4.6	4.3	2.9	2.5	.8	1.0
Pensacola .....	1.7	1.7	1.6	1.5	( <sup>1</sup> )	.1	2.0	1.8	1.2	1.0	.3	.3
Tampa—St. Petersburg .....	6.4	5.2	5.5	4.3	.8	.8	6.1	5.2	4.1	3.4	.9	.9
West Palm Beach—Boca Raton .....	6.1	4.6	5.5	3.9	.4	.7	5.4	4.7	3.3	2.7	.8	.8
<b>GEORGIA</b> .....	3.9	3.3	3.2	2.6	.4	.5	3.9	3.4	2.5	2.0	.5	.6
Atlanta <sup>2</sup> .....	3.4	2.9	2.8	2.2	.4	.5	3.4	2.9	1.9	1.5	.7	.7
<b>HAWAII</b> <sup>3</sup> .....	3.2	2.9	1.8	1.6	1.0	1.0	3.4	3.3	1.2	1.1	1.4	1.6
<b>IDAHO</b> <sup>4</sup> .....	5.3	8.2	3.7	3.1	1.4	4.9	5.9	8.7	2.7	1.8	1.9	6.0
<b>ILLINOIS:</b>												
Chicago SMSA .....	3.3	2.5	2.7	1.6	.3	.6	3.5	3.1	1.9	1.1	.5	1.0
Davenport—Rock Island—Moline .....	3.4	1.9	2.6	.9	.2	.8	3.3	2.9	1.4	.6	.5	1.6
Decatur .....	2.7	2.0	1.8	.7	.6	1.0	2.4	3.2	.9	.4	.7	2.0
Peoria .....	1.6	2.1	1.1	.5	.4	1.5	2.1	2.4	.7	.4	.9	1.6
Rockford .....	3.2	2.7	2.8	1.2	.1	1.4	3.3	4.5	2.0	.9	.5	3.1
<b>INDIANA</b> <sup>5</sup> .....	2.9	(*)	1.8	(*)	.7	(*)	3.6	(*)	1.3	(*)	1.5	(*)
Indianapolis <sup>6</sup> .....	3.2	(*)	2.0	(*)	.7	(*)	3.3	(*)	1.3	(*)	1.1	(*)
<b>IOWA</b> .....	3.4	2.6	2.5	1.2	.7	1.0	3.8	4.7	1.7	1.0	1.4	3.1
Cedar Rapids .....	2.8	2.0	1.3	.7	.8	.8	2.5	3.0	1.0	.8	1.0	1.8
Des Moines .....	3.7	3.3	2.3	1.3	.2	1.3	3.9	5.2	1.8	1.0	.5	3.0
<b>KANSAS</b> .....	5.6	4.3	4.5	2.8	.9	1.4	5.4	5.2	3.2	2.2	1.1	2.1
Topeka .....	4.0	3.0	3.2	1.8	.7	1.2	4.2	4.4	2.1	1.3	1.3	2.4
Wichita .....	5.5	3.5	4.9	2.8	.4	.5	4.5	4.1	3.1	2.3	.3	.8
<b>KENTUCKY</b> .....	3.3	3.7	2.1	1.4	.7	1.9	3.6	4.7	1.6	1.0	1.1	2.8
Lexington—Fayette .....	3.5	2.8	2.0	1.1	.8	1.3	3.6	3.4	1.5	.9	1.2	1.7
Louisville .....	2.3	3.8	1.2	.7	.5	2.0	2.4	4.6	.9	.6	.5	2.7
<b>LOUISIANA:</b>												
New Orleans .....	5.0	4.6	4.3	3.9	.5	.5	5.1	4.7	2.9	2.4	.9	.9
<b>MAINE</b> .....	5.5	4.7	4.0	3.3	1.2	1.2	5.7	5.1	3.0	2.2	1.7	2.0
Portland .....	4.1	3.3	3.4	2.7	.4	.3	4.3	3.4	2.7	2.1	.7	.5
<b>MARYLAND</b> .....	3.0	(*)	1.9	(*)	1.0	(*)	3.2	(*)	1.2	(*)	1.3	(*)
Baltimore .....	2.8	(*)	1.6	(*)	1.0	(*)	3.0	(*)	.9	(*)	1.4	(*)
<b>MASSACHUSETTS</b> .....	3.8	3.4	2.9	2.5	.5	.7	3.7	3.6	2.0	1.6	.8	1.1
Boston .....	3.0	3.1	2.4	2.4	.4	.5	3.2	3.1	1.6	1.4	.8	.9

See footnotes at end of table.



**ESTABLISHMENT DATA**  
**STATE AND AREA LABOR TURNOVER**

**3. 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	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
<b>MICHIGAN</b> .....	2.5	(*)	1.5	(*)	0.7	(*)	3.4	(*)	0.9	(*)	1.7	(*)
Detroit .....	2.2	(*)	1.2	(*)	.6	(*)	3.2	(*)	.8	(*)	1.7	(*)
Flint .....	1.7	(*)	1.3	(*)	.2	(*)	2.6	(*)	.4	(*)	1.4	(*)
Grand Rapids .....	3.0	(*)	2.2	(*)	.7	(*)	3.5	(*)	1.5	(*)	1.3	(*)
Lansing—East Lansing .....	1.4	(*)	1.0	(*)	.3	(*)	1.5	(*)	.5	(*)	.3	(*)
<b>MINNESOTA</b> .....	4.3	3.2	3.5	2.1	.6	.9	4.1	3.7	2.5	1.6	.9	1.5
Minneapolis—St. Paul .....	3.7	2.6	3.1	1.9	.4	.5	3.4	2.9	2.2	1.5	.5	.9
<b>MISSISSIPPI:</b>												
Jackson .....	4.6	3.8	3.6	2.7	.8	.9	4.2	4.4	2.8	2.0	.6	1.6
<b>MISSOURI</b> .....	3.2	2.9	2.4	1.7	.6	.9	3.5	3.5	1.8	1.3	1.0	1.6
Kansas City .....	3.4	3.3	2.7	1.8	.6	1.4	3.8	4.3	1.9	1.3	1.1	2.3
St. Louis .....	2.5	4.3	1.7	1.2	.6	1.1	2.9	3.3	1.1	.8	1.1	1.9
<b>MONTANA</b> .....	2.9	4.5	2.2	1.7	.4	2.7	3.1	4.8	1.5	1.6	8	2.6
<b>NEBRASKA</b> .....	4.2	3.0	3.8	2.3	.3	.6	4.1	3.5	2.9	1.8	5	1.0
<b>NEVADA</b> .....	8.6	6.0	7.2	5.2	.3	.8	7.8	6.6	5.5	3.8	.5	1.2
<b>NEW HAMPSHIRE</b> .....	5.8	(*)	4.7	(*)	.8	(*)	5.8	(*)	3.8	(*)	1.2	(*)
<b>NEW JERSEY:</b>												
Camden <sup>7</sup> .....	3.5	3.1	2.3	1.7	.9	1.1	3.6	3.2	1.2	.9	1.3	1.5
Hackensack .....	4.2	3.9	3.1	2.7	.9	1.0	4.4	4.8	2.0	1.7	1.4	2.0
Jersey City .....	3.4	3.4	2.1	1.8	1.1	1.4	3.4	3.9	1.2	1.1	1.5	2.0
New Brunswick—Perth Amboy—Sayreville .....	3.7	3.3	2.8	2.1	.7	1.0	3.9	3.4	1.7	1.3	1.1	1.4
Newark .....	3.4	3.0	2.3	2.0	.8	.7	3.6	3.5	1.4	1.2	1.2	1.4
Paterson—Clifton—Passaic .....	4.1	4.0	2.8	2.3	1.0	1.5	4.8	4.4	1.8	1.3	2.0	2.2
Trenton .....	3.0	4.1	2.0	1.5	.8	2.3	3.4	4.9	1.1	1.0	1.4	3.0
<b>NEW MEXICO</b> .....	(*)	4.1	(*)	3.4	(*)	.6	(*)	4.4	(*)	2.3	(*)	1.1
<b>NEW YORK</b> .....	3.8	3.6	2.4	2.0	1.3	1.5	4.0	4.0	1.4	1.1	1.8	2.1
Albany—Schenectady—Troy .....	2.7	3.0	1.5	1.2	.7	1.3	3.1	3.4	1.0	.7	1.1	1.6
Binghamton .....	2.8	2.0	2.0	1.3	.7	.5	3.2	2.2	1.5	.9	.7	.7
Buffalo .....	2.7	3.5	1.5	.8	1.0	2.4	3.1	4.0	.8	.5	1.7	2.9
Elmira .....	2.7	2.5	1.9	1.3	.5	.8	3.5	2.9	1.1	.8	.9	1.0
Monroe County <sup>8</sup> .....	2.2	2.1	1.7	1.5	.3	.4	2.1	2.0	1.0	.8	.6	.7
Nassau—Suffolk <sup>9</sup> .....	4.7	4.0	3.8	3.1	.8	.8	4.6	4.1	2.5	2.1	1.1	1.1
New York and Nassau—Suffolk .....	4.6	4.2	2.9	2.5	1.6	1.6	4.8	4.5	1.6	1.4	2.3	2.4
New York SMSA <sup>9</sup> .....	4.6	4.3	2.6	2.4	1.8	1.8	4.9	4.7	1.3	1.2	2.7	2.7
New York City <sup>10</sup> .....	4.8	4.6	2.7	2.5	2.0	2.0	5.2	5.0	1.3	1.2	3.0	3.0
Rochester .....	2.7	2.5	2.0	1.7	.5	.7	2.7	2.5	1.2	.9	.9	1.0
Syracuse .....	2.7	2.6	1.7	1.3	.8	1.1	3.0	3.1	1.1	.9	1.2	1.6
Utica—Rome .....	2.9	2.7	1.8	1.5	.8	1.1	2.8	3.4	1.1	1.0	1.0	1.9
Westchester County <sup>10</sup> .....	3.1	2.3	2.1	1.7	.8	.4	2.8	2.6	1.3	1.0	.8	1.0
<b>NORTH CAROLINA</b> .....	4.3	3.4	3.6	2.7	.3	.4	4.3	3.6	3.0	2.1	.4	.7
Charlotte—Gastonia .....	5.4	4.6	4.7	3.9	.4	.4	5.3	4.7	4.0	3.2	.2	.4
Greensboro—Winston-Salem—High Point .....	3.9	3.1	3.4	2.5	.2	.2	3.7	3.2	2.6	1.9	.3	.5
<b>NORTH DAKOTA</b> .....	6.6	4.9	5.1	2.4	1.1	2.1	6.8	6.0	4.1	2.2	1.8	3.1
Fargo—Moorhead .....	5.7	4.8	4.1	2.3	1.2	2.1	6.2	7.8	2.9	1.5	2.4	5.3
<b>OHIO</b> .....	2.6	2.5	1.6	.8	(*)	(*)	3.0	3.4	1.0	.6	1.2	2.1
Akron .....	1.8	1.5	1.2	.6	(*)	(*)	2.0	2.3	.7	.4	.7	1.4
Canton .....	2.9	2.8	1.8	.9	(*)	(*)	2.9	3.4	1.0	.5	.7	1.9
Cincinnati .....	2.8	2.2	1.8	1.1	(*)	(*)	2.8	2.5	1.0	.7	1.0	1.2
Cleveland .....	2.7	2.5	1.8	1.0	(*)	(*)	3.0	3.2	1.2	.7	.9	1.7
Columbus .....	2.3	2.4	1.5	1.2	(*)	(*)	2.6	2.6	1.1	.7	.9	1.3
Dayton .....	2.0	1.9	1.5	.9	(*)	(*)	2.8	2.6	.9	.6	1.1	1.2
Toledo .....	2.2	2.7	1.2	.6	(*)	(*)	3.0	3.5	.7	.4	1.4	2.2
Youngstown—Warren .....	2.6	2.8	.9	.4	(*)	(*)	2.9	4.5	.5	.3	1.4	3.4
<b>OKLAHOMA</b> .....	6.5	5.2	5.8	4.3	.5	.8	6.1	5.4	4.5	3.5	.5	.9
Oklahoma City .....	6.7	5.0	6.0	3.6	.6	1.2	6.1	5.3	4.6	3.0	.5	1.4
Tulsa <sup>11</sup> .....	6.1	5.0	5.6	4.4	.3	.4	5.8	5.0	3.9	3.2	.5	.6
<b>OREGON</b> <sup>5</sup> .....	4.3	3.9	3.4	2.1	.8	1.5	4.4	4.5	2.3	1.4	1.2	2.3
Eugene—Springfield <sup>5</sup> .....	3.3	2.9	2.6	1.7	.5	.9	3.5	3.4	1.8	1.0	1.0	1.7
Portland <sup>5</sup> .....	4.8	3.8	3.8	2.4	.8	1.3	4.5	4.1	2.5	1.6	1.1	1.8

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA LABOR TURNOVER**

**3. 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	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
<b>PENNSYLVANIA</b> .....	3.0	3.0	1.8	1.3	0.9	1.5	3.1	3.6	1.2	0.8	1.3	2.1
Allentown—Bethlehem—Easton .....	2.6	2.6	1.6	1.2	.8	1.2	2.7	3.1	1.0	.8	1.2	1.7
Altoona .....	1.9	2.3	1.1	1.3	.8	1.0	2.3	3.0	.8	.8	1.2	1.8
Erie .....	2.9	2.3	1.6	1.0	.8	.9	3.0	3.0	1.1	.6	1.0	1.6
Harrisburg .....	3.2	2.7	2.5	1.6	.6	.8	3.1	3.0	1.6	1.2	.8	1.2
Johnstown .....	2.7	2.4	.9	.6	1.7	1.6	3.0	3.4	.7	.6	1.6	2.0
Lancaster .....	3.2	2.6	2.7	1.7	.4	.8	3.3	3.0	2.0	1.3	.8	1.1
Northeast Pennsylvania .....	4.1	3.9	1.9	1.7	2.0	1.9	4.4	4.2	1.3	1.1	2.6	2.6
Philadelphia SMSA .....	2.9	2.8	2.0	1.6	.7	1.0	3.0	3.1	1.2	1.0	1.1	1.4
Pittsburgh .....	2.4	3.2	1.2	.7	.9	2.1	2.6	3.8	.7	.4	1.2	2.7
Reading .....	3.4	3.0	2.3	1.5	1.0	1.4	3.4	3.4	1.5	1.0	1.3	1.8
Scranton <sup>12</sup> .....	3.8	3.8	1.8	1.6	1.9	2.1	3.9	4.2	1.2	1.2	2.3	2.6
Wilkes-Barre—Hazleton <sup>12</sup> .....	3.6	3.8	1.6	1.6	1.6	1.9	4.0	4.1	1.1	.9	2.3	2.6
Williamsport .....	2.1	2.3	.7	.8	.8	1.2	2.8	2.7	.7	.5	1.5	1.8
York .....	3.8	3.0	2.8	1.8	.9	1.1	3.7	3.4	2.1	1.3	1.0	1.6
<b>RHODE ISLAND</b> .....	5.6	4.8	4.1	2.8	1.2	1.8	5.9	5.4	3.1	2.0	1.8	2.5
Providence—Warwick—Pawtucket .....	5.4	4.8	4.0	2.7	1.2	1.8	5.8	5.4	3.1	2.0	1.8	2.5
<b>SOUTH CAROLINA</b> .....	3.9	3.3	3.3	2.4	.3	.6	4.0	3.9	2.5	1.9	.6	1.1
Charleston—North Charleston .....	4.2	4.1	3.4	3.2	.8	.7	5.2	4.5	2.3	2.1	1.6	1.2
Columbia .....	4.3	3.6	3.7	2.8	.4	.6	3.9	4.4	2.5	2.1	.4	1.4
Greenville—Spartanburg .....	4.4	3.4	3.9	2.8	.2	.3	4.6	3.9	3.0	2.2	.4	.6
<b>SOUTH DAKOTA</b> .....	(*)	2.4	(*)	1.5	(*)	.8	(*)	3.5	(*)	1.5	(*)	1.3
Sioux Falls .....	(*)	2.5	(*)	1.1	(*)	1.4	(*)	3.2	(*)	1.1	(*)	1.7
<b>TENNESSEE:</b>												
Memphis .....	3.1	2.8	2.3	1.7	.6	.9	3.2	3.3	1.5	1.2	.9	1.4
<b>TEXAS:</b>												
Dallas—Fort Worth .....	5.5	4.7	5.1	4.0	.3	.5	5.3	4.6	3.8	3.0	.4	.7
Houston .....	4.3	3.9	4.0	3.6	.1	.2	4.1	3.7	2.9	2.5	.2	.3
San Antonio .....	5.0	4.6	4.6	4.2	.3	.3	4.8	4.6	3.6	3.1	.3	.4
<b>UTAH</b> <sup>4</sup> .....	5.5	4.3	4.7	3.6	.4	.4	5.3	4.6	3.6	2.5	.7	1.0
Salt Lake City—Ogden <sup>4</sup> .....	5.3	4.1	4.8	3.7	.3	.3	5.0	4.3	3.6	2.6	.5	.7
<b>VERMONT</b> .....	4.0	3.5	2.9	2.2	.8	1.1	3.9	3.6	1.9	1.3	1.3	1.6
Burlington .....	2.6	2.5	2.3	2.0	.1	.2	2.2	2.0	1.0	.8	.8	.8
Springfield .....	3.2	3.0	2.4	2.3	.8	.6	3.2	2.6	1.4	1.1	1.1	.7
<b>VIRGINIA</b> .....	3.5	2.9	2.6	1.9	.6	.8	3.5	3.1	1.8	1.3	.8	1.1
Richmond .....	2.4	2.0	1.8	1.2	.2	.3	2.1	1.9	1.0	.7	.3	.4
<b>WASHINGTON:</b>												
Seattle—Everett <sup>13</sup> .....	4.2	2.7	3.2	1.9	.8	.7	3.5	2.7	1.8	1.1	1.0	1.1
<b>WEST VIRGINIA</b> .....	(*)	2.9	(*)	1.4	(*)	1.4	(*)	3.7	(*)	1.0	(*)	2.1
<b>WISCONSIN</b> .....	3.5	3.1	2.4	1.4	.7	1.3	3.5	4.0	1.5	.9	1.1	2.3
Milwaukee .....	3.3	2.7	2.1	1.1	.6	1.0	3.4	3.7	1.3	.7	1.0	1.9
<b>WYOMING</b> .....	7.6	7.0	6.8	5.3	.8	1.6	8.9	8.0	5.3	3.8	2.2	3.0

<sup>1</sup> Less than 0.05.

<sup>2</sup> Excludes agricultural chemicals, and miscellaneous manufacturing.

<sup>3</sup> Excludes canned fruits, vegetables, preserves, jams, and jellies.

<sup>4</sup> Excludes canning and preserving, and sugar.

<sup>5</sup> Excludes canning and preserving.

<sup>6</sup> Excludes canning and preserving, and newspapers.

<sup>7</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

<sup>8</sup> Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>9</sup> Area included in New York and Nassau-Suffolk combined SMSA's.

<sup>10</sup> Subarea of New York Standard Metropolitan Statistical Area.

<sup>11</sup> Excludes new-hire rate for transportation equipment.

<sup>12</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.

<sup>13</sup> Excludes canning and preserving, printing and publishing.

\* 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

## 4. Labor force and unemployment by State and selected metropolitan areas

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	1979	1980	1979	1980	1979	1980
<b>ALABAMA</b> .....	1,624.0	1,642.0	116.0	144.0	7.1	8.8
Birmingham .....	375.8	379.4	23.7	33.8	6.3	8.9
Huntsville .....	135.8	137.4	9.8	12.8	7.2	9.3
Mobile .....	181.0	183.1	14.5	13.8	8.0	7.5
Montgomery .....	118.7	120.3	6.9	8.5	5.8	7.1
Tuscaloosa .....	51.8	52.3	3.1	4.1	6.0	7.9
<b>ALASKA</b> .....	180.0	187.0	17.0	18.0	9.2	9.6
<b>ARIZONA</b> .....	1,052.0	1,126.0	53.0	75.0	5.1	6.7
Phoenix .....	641.5	686.4	28.0	40.3	4.4	5.9
Tucson .....	189.0	204.3	8.3	11.7	4.4	5.7
<b>ARKANSAS</b> .....	955.0	972.0	59.0	74.0	6.2	7.6
Fayetteville—Springdale .....	74.5	N.A.	3.3	N.A.	4.5	N.A.
Fort Smith <sup>1</sup> .....	83.8	N.A.	6.3	N.A.	7.5	N.A.
Little Rock—North Little Rock .....	183.5	N.A.	7.9	N.A.	4.3	N.A.
Pine Bluff .....	38.7	N.A.	2.3	N.A.	5.9	N.A.
<b>CALIFORNIA</b> .....	10,968.0	11,203.0	684.0	760.0	6.2	6.8
Anaheim—Santa Ana—Garden Grove .....	1,059.1	1,093.4	44.1	47.3	4.2	4.3
Bakersfield .....	176.6	180.6	15.2	14.5	8.6	8.0
Fresno .....	261.3	263.5	20.9	23.9	8.0	9.1
Los Angeles—Long Beach <sup>2</sup> .....	3,491.0	3,601.0	193.0	237.0	5.5	6.6
Modesto .....	124.2	126.7	14.7	16.5	11.8	13.0
Oxnard—Simi Valley—Ventura .....	223.3	230.3	16.6	16.7	7.4	7.2
Riverside—San Bernardino—Ontario .....	570.7	575.2	37.5	44.0	6.6	7.7
Sacramento .....	462.2	466.7	33.0	36.7	7.1	7.9
Salinas—Seaside—Monterey .....	129.2	128.8	10.4	11.9	8.1	9.2
San Diego .....	744.8	754.9	46.1	49.6	6.2	6.6
San Francisco—Oakland .....	1,595.5	1,612.7	88.9	87.4	5.6	5.4
San Jose .....	707.0	742.7	35.8	39.2	5.1	5.3
Santa Barbara—Santa Maria—Lompoc .....	144.9	146.2	8.4	8.1	5.8	5.5
Santa Rosa .....	127.7	131.6	8.5	9.6	6.7	7.3
Stockton .....	161.1	159.9	15.9	17.1	9.9	10.7
Vallejo—Fairfield—Napa .....	123.9	126.6	8.0	9.4	6.4	7.4
<b>COLORADO</b> .....	1,386.0	1,474.0	66.0	82.0	4.8	5.6
Denver—Boulder .....	820.8	872.0	36.0	44.6	4.4	5.1
<b>CONNECTICUT</b> .....	1,581.0	1,616.0	81.0	95.0	5.1	5.9
Bridgeport .....	193.0	198.9	10.3	12.0	5.3	6.0
Hartford .....	378.3	388.4	17.5	19.4	4.6	5.0
New Britain .....	74.0	77.8	3.8	4.6	5.1	6.0
New Haven—West Haven .....	206.1	207.4	10.6	13.1	5.1	6.3
Stamford .....	120.3	120.8	4.7	5.0	3.9	4.1
Waterbury .....	109.1	111.4	7.0	8.7	6.4	7.8
<b>DELAWARE</b> .....	275.0	280.0	22.0	22.0	8.0	7.7
Wilmington <sup>1</sup> .....	244.5	249.7	18.2	19.4	7.4	7.8
<b>DISTRICT OF COLUMBIA</b> .....	320.0	317.0	24.0	23.0	7.5	7.2
Washington SMSA <sup>1</sup> .....	1,605.5	1,633.3	73.0	70.4	4.5	4.3
<b>FLORIDA</b> .....	3,835.0	3,925.0	230.0	234.0	6.0	6.0
Bradenton .....	55.7	56.9	2.4	2.9	4.3	5.1
Daytona Beach .....	93.4	94.5	5.1	5.4	5.4	5.7
Fort Lauderdale—Hollywood .....	408.9	424.2	21.7	19.7	5.3	4.7
Fort Myers—Cape Coral .....	75.6	77.3	3.8	4.2	5.0	5.4
Gainesville .....	67.4	67.9	3.0	3.0	4.5	4.4
Jacksonville .....	298.8	297.5	16.7	16.7	5.6	5.6
Lakeland—Winter Haven .....	124.8	126.1	12.2	12.4	9.8	9.8
Melbourne—Titusville—Cocoa .....	104.1	106.2	7.5	7.3	7.2	6.9
Miami .....	702.9	724.3	41.8	43.5	6.0	6.0
Orlando .....	307.5	316.8	17.9	18.6	5.8	5.9
Panama City .....	37.4	36.9	3.5	3.3	9.5	9.0
Pensacola .....	108.8	107.1	6.4	6.1	5.8	5.7
Sarasota .....	68.6	69.1	2.9	3.3	4.2	4.8
Tallahassee .....	75.4	76.4	3.4	3.2	4.5	4.2
Tampa—St. Petersburg .....	591.1	603.0	31.6	33.1	5.3	5.5
West Palm Beach—Boca Raton .....	221.5	231.9	14.3	14.0	6.5	6.0

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

## 4. 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	
	1979	1980	1979	1980	1979	1980
<b>GEORGIA</b> .....	2,334.0	2,385.0	119.0	154.0	5.1	6.4
Albany.....	48.1	49.0	2.8	3.9	5.9	7.9
Atlanta.....	939.7	967.4	43.8	53.9	4.7	5.6
Augusta.....	120.8	122.9	6.8	8.2	5.6	6.7
Columbus <sup>1</sup> .....	84.2	83.1	5.7	6.4	6.8	7.7
Macon.....	97.1	98.1	5.5	5.9	5.7	6.0
Savannah.....	87.5	87.4	5.0	5.8	5.7	6.7
<b>HAWAII</b> .....	399.0	400.0	25.0	20.0	6.3	5.0
Honolulu.....	313.7	313.2	19.1	14.9	6.1	4.8
<b>IDAHO</b> .....	422.0	424.0	24.0	33.0	5.7	7.9
Boise City.....	89.2	89.4	3.7	5.6	4.1	6.2
<b>ILLINOIS</b> .....	5,332.0	5,447.0	293.0	454.0	5.5	8.3
Bloomington—Normal.....	58.9	59.7	2.3	3.8	3.9	6.3
Champaign—Urbana—Rantoul.....	78.1	82.9	3.4	4.7	4.4	5.7
Chicago.....	3,336.3	3,419.3	173.0	265.6	5.2	7.8
Davenport—Rock Island—Moline <sup>1</sup> .....	183.0	186.5	8.1	13.0	4.4	7.0
Decatur.....	57.2	60.2	4.6	7.2	7.9	11.9
Kankakee.....	41.3	41.5	3.4	4.8	8.4	11.6
Peoria.....	170.4	172.9	9.3	14.4	5.4	8.4
Rockford.....	134.6	134.5	7.2	14.0	5.4	10.4
Springfield.....	94.1	96.4	5.5	7.3	5.8	7.6
<b>INDIANA</b> .....	2,610.0	2,620.0	167.0	253.0	6.4	9.6
Anderson.....	60.4	59.0	5.1	9.6	8.4	16.2
Elkhart.....	72.6	68.7	5.9	7.9	8.1	11.6
Evansville <sup>1</sup> .....	145.1	145.7	7.5	10.2	5.2	7.0
Fort Wayne.....	193.1	195.7	10.4	19.4	5.4	9.9
Gary—Hammond—East Chicago.....	295.4	298.5	19.6	33.5	6.6	11.2
Indianapolis.....	591.3	602.1	32.5	44.8	5.5	7.4
Lafayette—West Lafayette.....	61.4	61.8	3.1	4.0	5.0	6.4
Muncie.....	56.3	57.4	4.1	6.3	7.3	11.1
South Bend.....	142.3	139.9	8.7	13.2	6.1	9.4
Terre Haute.....	82.3	82.5	4.9	6.6	6.0	8.0
<b>IOWA</b> .....	1,432.0	1,449.0	59.0	83.0	4.1	5.7
Cedar Rapids.....	88.5	90.8	3.2	5.9	3.7	6.5
Des Moines.....	182.9	185.2	7.4	10.2	4.1	5.5
Dubuque.....	45.6	46.2	2.6	3.9	5.6	8.5
Sioux City <sup>1</sup> .....	55.3	54.4	4.0	3.4	7.3	6.3
Waterloo—Cedar Falls.....	68.9	70.0	3.2	4.9	4.7	7.0
<b>KANSAS</b> .....	1,198.0	1,198.0	40.0	53.0	3.4	4.4
Lawrence.....	35.4	35.5	1.2	1.6	3.5	4.5
Topeka.....	97.6	96.2	3.9	5.3	4.0	5.5
Wichita.....	227.3	227.8	7.1	9.6	3.1	4.2
<b>KENTUCKY</b> .....	1,563.0	1,621.0	87.0	131.0	5.6	8.1
Lexington—Fayette.....	166.0	173.1	5.5	8.2	3.3	4.7
Louisville <sup>1</sup> .....	415.3	428.9	21.7	34.1	5.2	8.0
Owensboro.....	39.0	42.2	2.2	3.1	5.5	7.4
<b>LOUISIANA</b> .....	1,679.0	1,723.0	112.0	115.0	6.7	6.7
Alexandria.....	67.2	67.9	5.4	6.0	8.0	8.8
Baton Rouge.....	208.4	219.6	13.5	15.8	6.5	7.2
Lafayette.....	73.4	78.3	3.4	2.9	4.7	3.8
Lake Charles.....	70.3	73.7	4.8	4.9	6.8	6.6
Monroe.....	53.4	53.4	4.0	4.4	7.6	8.2
New Orleans.....	471.7	476.0	28.2	27.5	6.0	5.8
Shreveport.....	152.5	154.0	9.2	10.4	6.1	6.8
<b>MAINE</b> .....	488.0	500.0	35.0	39.0	7.2	7.7
Lewiston—Auburn.....	37.9	38.6	2.7	3.0	7.1	7.9
Portland.....	86.7	90.1	4.8	5.3	5.5	5.9
<b>MARYLAND</b> .....	2,092.0	2,133.0	124.0	137.0	5.9	6.4
Baltimore.....	1,043.7	1,061.2	68.0	78.2	6.5	7.4

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

## 4. 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	
	1979	1980	1979	1980	1979	1980
<b>MASSACHUSETTS</b> .....	2,891.0	2,893.0	160.0	163.0	5.5	5.6
Boston .....	1,403.7	N.A.	73.9	N.A.	5.3	N.A.
Brockton .....	80.5	N.A.	5.0	N.A.	6.2	N.A.
Fall River <sup>1</sup> .....	74.4	N.A.	5.5	N.A.	7.4	N.A.
Lawrence—Haverhill <sup>1</sup> .....	138.8	N.A.	9.1	N.A.	6.5	N.A.
Lowell .....	118.6	N.A.	6.6	N.A.	5.5	N.A.
New Bedford .....	86.2	N.A.	6.4	N.A.	7.5	N.A.
Springfield—Chicopee—Holyoke .....	273.8	N.A.	13.2	N.A.	4.8	N.A.
Worcester .....	195.9	N.A.	9.0	N.A.	4.6	N.A.
<b>MICHIGAN</b> .....	4,314.0	4,298.0	335.0	541.0	7.8	12.6
Ann Arbor .....	145.1	144.5	8.4	11.9	5.8	8.2
Battle Creek .....	80.0	80.3	5.5	9.3	6.9	11.6
Bay City .....	51.5	53.4	3.9	8.1	7.7	15.2
Detroit .....	2,052.1	2,030.6	160.8	266.8	7.8	13.1
Flint .....	223.4	229.4	19.6	40.5	8.8	17.7
Grand Rapids .....	309.4	313.2	16.6	26.3	5.4	8.4
Jackson .....	68.3	66.1	4.9	7.7	7.2	11.7
Kalamazoo—Portage .....	134.2	135.0	7.6	11.4	5.7	8.5
Lansing—East Lansing .....	233.9	236.9	15.6	24.9	6.7	10.5
Muskegon—Norton Shores—Muskegon Heights .....	76.8	78.1	6.7	10.6	8.8	13.5
Saginaw .....	102.8	101.9	7.8	14.7	7.6	14.5
<b>MINNESOTA</b> .....	2,063.0	2,116.0	86.0	120.0	4.2	5.7
Duluth—Superior <sup>1</sup> .....	116.5	117.1	6.8	10.2	5.8	8.7
Minneapolis—St. Paul .....	1,093.8	1,118.0	36.3	49.6	3.3	4.4
Rochester .....	53.0	55.1	1.9	2.5	3.7	4.6
St. Cloud .....	71.0	74.1	4.0	5.6	5.7	7.5
<b>MISSISSIPPI</b> .....	986.0	1,023.0	57.0	76.0	5.8	7.5
Jackson .....	145.3	153.0	5.7	7.7	3.9	5.0
<b>MISSOURI</b> .....	2,293.0	2,295.0	104.0	161.0	4.5	7.0
Kansas City <sup>1</sup> .....	687.2	684.1	28.1	42.8	4.1	6.3
St. Joseph .....	43.9	45.0	2.2	3.2	5.1	7.2
St. Louis <sup>1</sup> .....	1,090.3	1,089.5	58.6	88.2	5.4	8.1
Springfield .....	101.9	103.7	3.8	5.8	3.7	5.6
<b>MONTANA</b> .....	370.0	374.0	19.0	22.0	5.1	6.0
Billings .....	55.1	56.7	2.0	2.6	3.7	4.6
Great Falls .....	33.9	34.2	2.1	2.4	6.2	6.9
<b>NEBRASKA</b> .....	772.0	777.0	25.0	31.0	3.2	4.0
Lincoln .....	110.8	110.6	3.2	4.0	2.9	3.6
Omaha <sup>1</sup> .....	281.3	280.3	12.7	15.3	4.5	5.4
<b>NEVADA</b> .....	358.0	376.0	18.0	23.0	5.1	6.2
Las Vegas .....	195.3	208.0	11.2	14.6	5.7	7.0
Reno .....	105.2	107.3	3.8	4.9	3.6	4.6
<b>NEW HAMPSHIRE</b> .....	445.0	461.0	14.0	22.0	3.1	4.7
Manchester .....	79.6	81.3	2.6	4.2	3.3	5.2
Nashua .....	71.3	77.1	2.1	3.4	2.9	4.4
<b>NEW JERSEY</b> .....	3,538.0	3,582.0	245.0	258.0	6.9	7.2
Atlantic City .....	95.3	105.6	8.8	8.7	9.3	8.2
Jersey City .....	247.9	244.9	24.8	25.2	10.0	10.3
Long Branch—Asbury Park .....	227.8	231.5	16.4	16.7	7.2	7.2
New Brunswick—Perth Amboy—Sayreville .....	322.1	328.2	19.1	20.7	5.9	6.3
Newark .....	965.1	975.1	64.2	69.2	6.7	7.1
Paterson—Clifton—Passaic .....	212.2	212.1	19.3	19.2	9.1	9.1
Trenton .....	159.7	162.0	9.1	10.0	5.7	6.2
Vineland—Millville—Bridgeton .....	58.2	59.6	5.6	6.6	9.6	11.0
<b>NEW MEXICO</b> .....	538.0	543.0	35.0	40.0	6.6	7.4
Albuquerque .....	201.5	202.2	12.6	15.6	6.3	7.7

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

## 4. 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	
	1979	1980	1979	1980	1979	1980
<b>NEW YORK</b> .....	8,009.0	7,992.0	570.0	603.0	7.1	7.6
Albany—Schenectady—Troy .....	381.9	380.8	20.6	22.5	5.4	5.9
Binghamton <sup>1</sup> .....	140.9	141.1	8.0	9.2	5.7	6.5
Buffalo .....	581.4	578.3	42.7	57.1	7.3	9.9
Elmira .....	40.5	40.1	2.6	3.2	6.3	8.0
Nassau-Suffolk .....	1,310.7	1,321.0	82.2	79.8	6.3	6.0
New York .....	3,619.2	3,599.6	291.8	286.0	8.1	7.9
New York City <sup>2</sup> .....	3,007.0	2,982.0	263.0	257.0	8.7	8.6
Poughkeepsie .....	108.4	108.5	5.0	5.9	4.6	5.4
Rochester .....	472.5	472.4	24.7	29.1	5.2	6.2
Syracuse .....	308.2	304.2	17.8	22.9	5.8	7.5
Utica—Rome .....	138.5	137.2	8.5	10.4	6.1	7.6
<b>NORTH CAROLINA</b> .....	2,692.0	2,741.0	129.0	180.0	4.8	6.6
Asheville .....	82.6	82.7	3.5	4.8	4.3	5.8
Charlotte—Gastonia .....	339.0	347.9	12.7	16.6	3.8	4.8
Greensboro—Winston-Salem—High Point .....	411.6	415.1	18.0	24.3	4.4	5.9
Raleigh—Durham .....	281.9	289.7	9.6	12.9	3.4	4.5
<b>NORTH DAKOTA</b> .....	303.0	309.0	11.0	15.0	3.7	4.9
Fargo—Moorhead <sup>1</sup> .....	70.2	70.8	2.6	3.7	3.6	5.2
<b>OHIO</b> .....	5,036.0	5,086.0	297.0	426.0	5.9	8.4
Akron .....	302.7	303.1	18.3	25.6	6.1	8.5
Canton .....	183.6	186.5	10.5	16.7	5.7	8.9
Cincinnati <sup>1</sup> .....	657.9	674.4	35.1	47.5	5.3	7.0
Cleveland .....	932.2	941.6	46.5	68.2	5.0	7.2
Columbus .....	540.9	557.4	25.7	31.6	4.8	5.7
Dayton .....	390.6	389.0	24.1	29.2	6.2	7.5
Toledo <sup>1</sup> .....	366.4	367.5	26.3	38.2	7.2	10.4
Youngstown—Warren .....	236.2	237.5	17.1	28.0	7.2	11.8
<b>OKLAHOMA</b> .....	1,278.0	1,325.0	44.0	64.0	3.4	4.8
Oklahoma City .....	386.6	404.5	12.3	18.0	3.2	4.4
Tulsa .....	309.6	324.9	10.1	14.5	3.3	4.5
<b>OREGON</b> .....	1,217.0	1,271.0	83.0	105.0	6.8	8.2
Eugene—Springfield .....	126.6	133.3	10.4	13.0	8.2	9.8
Portland <sup>1</sup> .....	589.9	624.8	31.8	38.7	5.4	6.2
Salem .....	112.5	120.0	7.0	9.2	6.2	7.7
<b>PENNSYLVANIA</b> .....	5,296.0	5,368.0	366.0	417.0	6.9	7.8
Allentown—Bethlehem—Easton <sup>1</sup> .....	297.6	302.7	19.5	21.0	6.5	7.0
Altoona .....	58.0	60.3	5.1	5.7	8.7	9.5
Erie .....	125.3	127.2	9.1	11.5	7.2	9.1
Harrisburg .....	217.0	219.5	10.8	12.6	5.0	5.8
Johnstown .....	109.0	110.3	9.4	13.0	8.7	11.8
Lancaster .....	175.7	177.9	8.0	9.6	4.6	5.4
Northeast Pennsylvania .....	283.2	287.4	24.8	28.3	8.7	9.8
Philadelphia <sup>1</sup> .....	2,119.4	2,146.4	148.2	146.2	7.0	6.8
Pittsburgh .....	1,008.1	1,015.9	59.1	73.0	5.9	7.2
Reading .....	150.4	155.0	8.4	11.6	5.6	7.5
Williamsport .....	52.5	53.0	5.0	6.4	9.6	12.0
York .....	171.2	174.7	8.9	12.0	5.2	6.9
<b>RHODE ISLAND</b> .....	450.0	462.0	30.0	33.0	6.6	7.2
Providence—Warwick—Pawtucket <sup>1</sup> .....	451.7	N.A.	30.1	N.A.	6.7	N.A.
<b>SOUTH CAROLINA</b> .....	1,306.0	1,306.0	65.0	90.0	5.0	6.9
Charleston—North Charleston .....	153.7	155.0	8.0	10.5	5.2	6.8
Columbia .....	172.3	172.6	6.5	8.0	3.8	4.6
Greenville—Spartanburg .....	259.0	259.7	10.2	14.7	3.9	5.6
<b>SOUTH DAKOTA</b> .....	337.0	337.0	12.0	16.0	3.5	4.7
Rapid City .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Sioux Falls .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>TENNESSEE</b> .....	1,979.0	2,015.0	115.0	145.0	5.8	7.2
Chattanooga <sup>1</sup> .....	190.4	189.4	9.9	12.8	5.2	6.8
Knoxville .....	206.9	211.9	9.1	11.7	4.4	5.5
Memphis <sup>1</sup> .....	386.0	N.A.	20.7	N.A.	5.4	N.A.
Nashville—Davidson .....	407.9	411.1	17.7	23.2	4.3	5.6

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

## 4. 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	
	1979	1980	1979	1980	1979	1980
<b>TEXAS</b> .....	6,244.0	6,412.0	263.0	337.0	4.2	5.3
Amarillo .....	87.9	86.4	3.0	3.6	3.4	4.2
Austin .....	245.3	252.1	7.3	9.4	3.0	3.7
Beaumont—Port Arthur—Orange .....	167.0	168.0	9.8	11.7	5.9	7.0
Corpus Christi .....	140.1	142.0	6.8	8.6	4.8	6.0
Dallas—Fort Worth .....	1,464.9	1,524.4	52.1	68.9	3.6	4.5
El Paso .....	168.9	173.3	13.4	16.0	7.9	9.2
Galveston—Texas City .....	81.4	83.2	4.2	5.4	5.2	6.5
Houston .....	1,428.2	1,474.0	47.3	62.5	3.3	4.2
Lubbock .....	100.0	100.2	3.4	4.4	3.4	4.4
San Antonio .....	412.2	425.1	23.3	28.0	5.7	6.6
Waco .....	77.6	79.7	3.1	4.3	4.0	5.4
Wichita Falls .....	59.5	60.3	1.9	2.4	3.2	4.0
<b>UTAH</b> .....	584.0	607.0	25.0	38.0	4.3	6.2
Salt Lake City—Ogden .....	384.7	398.6	16.3	23.8	4.2	6.0
<b>VERMONT</b> .....	240.0	245.0	12.0	16.0	5.1	6.4
<b>VIRGINIA</b> .....	2,477.0	2,530.0	117.0	129.0	4.7	5.1
Lynchburg .....	75.1	76.7	3.2	3.9	4.2	5.0
Newport News—Hampton .....	159.3	167.0	8.6	8.9	5.4	5.3
Norfolk—Virginia Beach—Portsmouth <sup>1</sup> .....	321.9	327.0	17.6	19.0	5.5	5.8
Petersburg—Colonial Heights—Hopewell .....	57.8	61.0	3.1	3.8	5.3	6.2
Richmond .....	322.4	330.1	10.6	11.8	3.3	3.6
Roanoke .....	108.7	111.4	4.7	5.2	4.3	4.7
<b>WASHINGTON</b> .....	1,892.0	1,908.0	128.0	143.0	6.8	7.5
Seattle—Everett .....	831.1	838.1	44.4	50.0	5.3	6.0
Spokane .....	148.5	146.6	10.1	11.2	6.8	7.6
Tacoma .....	174.5	172.5	12.9	13.0	7.4	7.5
<b>WEST VIRGINIA</b> .....	751.0	768.0	51.0	72.0	6.7	9.4
Charleston .....	120.9	128.5	5.7	9.7	4.7	7.6
Huntington—Ashland <sup>1</sup> .....	121.8	125.2	7.7	12.2	6.3	9.8
Parkersburg—Martinsburg <sup>1</sup> .....	69.2	72.5	4.1	6.6	6.0	9.1
Wheeling <sup>1</sup> .....	80.2	82.9	5.1	7.9	6.4	9.6
<b>WISCONSIN</b> .....	2,381.0	2,401.0	108.0	169.0	4.5	7.0
Appleton—Oshkosh .....	150.5	150.0	6.5	10.5	4.3	7.0
Eau Claire .....	57.8	57.3	3.4	4.3	5.9	7.6
Green Bay .....	88.4	89.0	4.5	6.0	5.1	6.7
Janeville—Beloit .....	71.3	70.3	3.6	9.2	5.0	13.1
Kenosha .....	63.0	61.5	3.3	5.0	5.2	8.1
La Crosse .....	45.9	47.8	2.1	2.7	4.5	5.6
Madison .....	179.8	182.2	6.5	8.7	3.6	4.8
Milwaukee .....	725.9	731.1	28.3	45.3	3.9	6.2
Racine .....	88.5	88.5	4.2	7.2	4.8	8.1
<b>WYOMING</b> .....	223.0	232.0	6.0	9.0	2.8	3.9

<sup>1</sup> Includes interstate portion of area located in adjacent State.

statewide totals. See "Explanatory Notes" for State and Area Unemployment Data for a description of the estimating methods.  
N.A. = not available.

NOTE: Annual Average State data are obtained directly from the Current Population Survey. Estimates for sub-state areas, except New York City and Los Angeles-Long Beach, are based on administrative statistics adjusted to the

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

## Area Definitions

<b>ALABAMA</b>		<b>CONNECTICUT--Continued</b>	
Birmingham.....	Jefferson, St. Clair, Shelby, and Walker Counties	Stamford.....	Stamford city, and Darien, Greenwich, and New Canaan towns in Fairfield County
Huntsville.....	Limestone, Madison, and Marshall Counties	Waterbury.....	Waterbury city, Naugatuck borough, and Beacon Falls, Cheshire, Middlebury, Prospect, Southbury, and Wolcott towns in New Haven County; Bethlehem, Thomaston, Watertown, and Woodbury towns in Litchfield County
Mobile.....	Baldwin and Mobile Counties		
Montgomery.....	Autauga, Elmore, and Montgomery Counties		
Tuscaloosa.....	Tuscaloosa County		
<b>ARIZONA</b>		<b>DELAWARE</b>	
Phoenix.....	Maricopa County	Wilmington.....	New Castle County, Del.; Cecil County, Md.; Salem County, N.J.
Tucson.....	Pima County		
<b>ARKANSAS</b>		<b>DISTRICT OF COLUMBIA</b>	
Fayetteville-		Washington SMSA.....	District of Columbia; Charles, Montgomery, and Prince Georges Counties, Md.; Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Va.
Springdale.....	Benton and Washington Counties		
Fort Smith.....	Crawford and Sebastian Counties, Ark.; Le Flore and Sequoyah Counties, Okla.		
Little Rock-			
N. Little Rock.....	Pulaski and Saline Counties		
Pine Bluff.....	Jefferson County		
<b>CALIFORNIA</b>		<b>FLORIDA</b>	
Anaheim-Santa Ana-		Bradenton.....	Manatee County
Garden Grove.....	Orange County	Daytona Beach.....	Volusia County
Bakersfield.....	Kern County	Fort Lauderdale-	
Fresno.....	Fresno County	Hollywood.....	Broward County
Los Angeles-		Fort Myers-	
Long Beach.....	Los Angeles County	Cape Coral.....	Lee County
Modesto.....	Stanislaus County	Gainesville.....	Alachua County
Oxnard-Simi		Jacksonville.....	Baker, Clay, Duval, Nassau, and St. Johns Counties
Valley-Ventura.....	Ventura County	Lakeland-	
Riverside-San		Winter Haven.....	Polk County
Bernardino-Ontario..	Riverside and San Bernardino Counties	Melbourne-Titusville-	
Sacramento.....	Placer, Sacramento, and Yolo Counties	Cocoa.....	Brevard County
Salinas-Seaside-		Miami.....	Dade County
Monterey.....	Monterey County	Orlando.....	Orange, Osceola, and Seminole Counties
San Diego.....	San Diego County	Panama City.....	Bay County
San Francisco-		Pensacola.....	Escambia and Santa Rosa Counties
Oakland.....	Alameda, Contra Costa, Marin, San Francisco, and San Mateo Counties	Sarasota.....	Sarasota County
San Jose.....	Santa Clara County	Tallahassee.....	Leon and Wakulla Counties
Santa Barbara-Santa		Tampa-	
Maria-Lompoc.....	Santa Barbara County	St. Petersburg.....	Hillsborough, Pasco, and Pinellas Counties
Santa Rosa.....	Sonoma County	West Palm Beach-	
Stockton.....	San Joaquin County	Boca Raton.....	Palm Beach County
Vallejo-Fairfield-			
Napa.....	Napa and Solano Counties		
<b>COLORADO</b>		<b>GEORGIA</b>	
Denver-Boulder.....	Adams, Arapahoe, Boulder, Clear Creek, Denver, Douglas, Gilpin, and Jefferson Counties	Albany.....	Dougherty and Lee Counties
<b>CONNECTICUT</b>		Atlanta.....	Butts, Cherokee, Clayton, Cobb, De Kalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Newton, Paulding, Rockdale, and Walton Counties
Bridgeport.....	Bridgeport and Shelton cities, and Easton, Fairfield, Monroe, Stratford, and Trumbull towns in Fairfield County; Derby and Milford cities in New Haven County	Augusta.....	Columbia and Richmond Counties, Ga.; Aiken County, S.C.
Hartford.....	Hartford city, and Avon, Bloomfield, Canton, East Granby, East Hartford, East Windsor, Enfield, Farmington, Glastonbury, Granby, Manchester, Marlborough, Newington, Rocky Hill, Simsbury, South Windsor, Suffield, West Hartford, Wethersfield, Windsor, and Windsor Locks towns in Hartford County; Colchester town in New London County; Andover, Bolton, Columbia, Coventry, Ellington, Hebron, Somers, Stafford, Tolland, Vernon, and Willington towns in Tolland County	Columbus.....	Columbus (consolidated government), and Chattahoochee County, Ga.; Russell County, Ala.
New Britain.....	New Britain city, and Berlin, Plainville, and Southington towns in Hartford County	Macon.....	Bibb, Houston, Jones, and Twiggs Counties
New Haven-		Savannah.....	Bryan, Chatham, and Effingham Counties
West Haven.....	New Haven and West Haven cities, and Bethany, Branford, East Haven, Guilford, Hamden, Madison, North Branford, North Haven, Orange, Wallingford, and Woodbridge towns in New Haven County; Clinton town in Middlesex County		
		<b>HAWAII</b>	
		Honolulu.....	Honolulu County
		<b>IDAHO</b>	
		Boise City.....	Ada County
		<b>ILLINOIS</b>	
		Bloomington-Normal...	McLean County
		Champaign-Urbana-	
		Rantoul.....	Champaign County
		Chicago-Gary.....	A Standard Consolidated Statistical Area comprised of Chicago, Ill. SMSA and Gary-Hammond-East Chicago, Ind. SMSA
		Chicago SMSA.....	Cook, Du Page, Kane, Lake, McHenry, and Will Counties
		Davenport-Rock	
		Island-Moline.....	Henry and Rock Island Counties, Ill.; Scott County, Iowa
		Decatur.....	Macon County
		Kankakee.....	Kankakee County



## Area Definitions—Continued

### ILLINOIS--Continued

Peoria.....Peoria, Tazewell, and Woodford Counties  
 Rockford.....Boone and Winnebago Counties  
 Springfield.....Menard and Sangamon Counties

### INDIANA

Anderson.....Madison County  
 Elkhart.....Elkhart County  
 Evansville.....Gibson, Posey, Vanderburgh, and Warrick Counties, Ind.; Henderson County, Ky.  
 Fort Wayne.....Adams, Allen, DeKalb, and Wells Counties  
 Gary-Hammond-  
   East Chicago.....Lake and Porter Counties  
 Indianapolis.....Boone, Hamilton, Hancock, Hendricks, Johnson, Marion, Morgan, and Shelby Counties  
 Lafayette-  
   West Lafayette.....Tippecanoe County  
 Muncie.....Delaware County  
 South Bend.....Marshall and St. Joseph Counties  
 Terre Haute.....Clay, Sullivan, Vermillion, and Vigo Counties

### IOWA

Cedar Rapids.....Linn County  
 Des Moines.....Polk and Warren Counties  
 Dubuque.....Dubuque County  
 Sioux City.....Woodbury County, Iowa; Dakota County, Neb.  
 Waterloo-Cedar  
   Falls.....Black Hawk County

### KANSAS

Lawrence.....Douglas County  
 Topeka.....Jefferson, Osage, and Shawnee Counties  
 Wichita.....Butler and Sedgwick Counties

### KENTUCKY

Lexington-Fayette....Bourbon, Clark, Fayette, Jessamine, Scott, and Woodford Counties  
 Louisville.....Bullitt, Jefferson, and Oldham Counties, Ky.; Clark and Floyd Counties, Ind.  
 Owensboro.....Davies County

### LOUISIANA

Alexandria.....Avoyelles, Grant, and Rapides Parishes  
 Baton Rouge.....Ascension, East Baton Rouge, Livingston, and West Baton Rouge Parishes  
 Lafayette.....Lafayette Parish  
 Lake Charles.....Calcasieu Parish  
 Monroe.....Ouachita Parish  
 New Orleans.....Jefferson, Orleans, St. Bernard, and St. Tammany Parishes  
 Shreveport.....Bossier, Caddo, and Webster Parishes

### MAINE

Lewiston-Auburn.....Auburn and Lewiston cities, and Lisbon town in Androscoggin County  
 Portland.....Portland, South Portland, and Westbrook cities, and Cape Elizabeth, Cumberland, Falmouth, Freeport, Gorham, Scarborough, Windham, and Yarmouth towns in Cumberland County; Saco city, and Old Orchard Beach town in York County

### MARYLAND

Baltimore.....Baltimore city, and Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties

### MASSACHUSETTS

Boston.....Suffolk County; Cambridge, Everett, Malden, Medford, Melrose, Newton, Somerville, Waltham, and Woburn cities, and Acton, Arlington, Ashland, Bedford, Belmont, Boxborough, Burlington, Carlisle, Concord,

### MASSACHUSETTS--Continued

Framingham, Holliston, Lexington, Lincoln, Natick, North Reading, Reading, Sherborn, Stoneham, Sudbury, Wakefield, Watertown, Wayland, Weston, Wilmington, and Winchester towns in Middlesex County; Beverly, Lynn, Peabody, and Salem cities, and Boxford, Danvers, Hamilton, Lynnfield, Manchester, Marblehead, Middleton, Nahant, Saugus, Swampscott, Topsfield, and Wenham towns in Essex County; Quincy city, and Bellingham, Braintree, Brookline, Canton, Cohasset, Dedham, Dover, Foxborough, Franklin, Holbrook, Medfield, Medway, Millis, Milton, Needham, Norfolk, Norwood, Randolph, Sharon, Stoughton, Walpole, Wellesley, Westwood, Weymouth, and Wrentham towns in Norfolk County; Abington, Duxbury, Hanover, Hanson, Hingham, Hull, Kingston, Marshfield, Norwell, Prembroke, Rockland, and Scituate towns in Plymouth County  
 Brockton.....Brockton city, and Bridgewater, East Bridgewater, Halifax, West Bridgewater, and Whitman towns in Plymouth County; Easton town in Bristol County; Avon town in Norfolk County  
 Fall River.....Fall River city, and Dighton, Somerset, Swansea, and Westport towns in Bristol County, Mass.; Little Compton and Tiverton towns in Newport County, R.I.  
 Lawrence-Haverhill...Lawrence and Haverhill cities, and Amesbury, Andover, Georgetown, Groveland, Merrimac, Methuen, North Andover, Salisbury, and West Newbury towns in Essex County, Mass.; Atkinson, Hampstead, Kingston, Newton, Plaistow, Salem, and Windham towns in Rockingham County, N.H.  
 Lowell.....Lowell city, and Billerica, Chelmsford, Dracut, Dunstable, Trewsbury, Tyngsborough, and Westford towns in Middlesex County  
 New Bedford.....New Bedford city, and Acushnet, Dartmouth, Fairhaven, and Free-town towns in Bristol County; Lakeville, Marion, Mattapoisett, and Rochester towns in Plymouth County  
 Springfield-  
   Chicopee-Holyoke....Chicopee, Holyoke, Springfield, and Westfield cities, and Agawam, Brimfield, East Longmeadow, Granville, Hampden, Longmeadow, Ludlow, Monson, Montgomery, Palmer, Russell, Southwick, Wales, West Springfield, and Wilbraham towns in Hampden County; Northampton city, and Amherst, Belchertown, Chesterfield, Easthampton, Granby, Hadley, Hatfield, Pelham, South Hadley, Southampton, Westhampton, and Williamsburg towns in Hampshire County; Warren town in Worcester County  
 Worcester.....Worcester city, and Auburn, Berlin, Boylston, Brookfield, Charlton, Douglas, East Brookfield, Grafton, Holden, Leicester, Millbury, Northborough, Northbridge, North Brookfield, Oxford, Paxton, Rutland, Shrewsbury, Spencer, Sterling, Sutton, Upton, Uxbridge, Webster, Westborough, and West Boylston towns in Worcester County

### MICHIGAN

Ann Arbor.....Washtenaw County  
 Battle Creek.....Barry and Calhoun Counties

## Area Definitions—Continued

### MICHIGAN--Continued

Bay City.....Bay County  
 Detroit.....Lapeer, Livingston, Macomb,  
                   Oakland, St. Clair, and Wayne  
                   Counties  
 Flint.....Genesee and Shiawassee Counties  
 Grand Rapids.....Kent and Ottawa Counties  
 Jackson.....Jackson County  
 Kalamazoo-Portage....Kalamazoo and Van Buren Counties  
 Lansing-East  
 Lansing.....Clinton, Eaton, Ingham, and Ionia  
                   Counties  
 Muskegon-Norton  
 Shores-Muskegon  
 Heights.....Muskegon and Oceana Counties  
 Saginaw.....Saginaw County

### MINNESOTA

Duluth-Superior.....Duluth city, Minn.; Douglas  
                           County, Wisc.  
 Minneapolis-  
 St. Paul.....Anoka, Carver, Chisago, Dakota,  
                   Hennepin, Ramsey, Scott, Washing-  
                   ton, and Wright Counties  
 Rochester.....Olmsted County  
 St. Cloud.....Benton, Sherburne, and Stearns  
                   Counties

### MISSISSIPPI

Jackson.....Hinds and Rankin Counties

### MISSOURI

Kansas City.....Cass, Clay, Jackson, Platte, and  
                   Ray Counties, Mo.; Johnson and  
                   Wyandotte Counties, Kans.  
 St. Joseph.....Andrew and Buchanan Counties  
 St. Louis.....St. Louis city, and Franklin,  
                   Jefferson, St. Charles, and  
                   St. Louis Counties, Mo.; Clinton,  
                   Madison, Monroe, and St. Clair  
                   Counties, Ill.  
 Springfield.....Christian and Greene Counties

### MONTANA

Billings.....Yellowstone County  
 Great Falls.....Cascade County

### NEBRASKA

Lincoln.....Lancaster County  
 Omaha.....Douglas and Sarpy Counties, Nebr.;  
                   Pottawattamie County, Iowa

### NEVADA

Las Vegas.....Clark County; Beatty Township in  
                   Nye County  
 Reno.....Washoe County

### NEW HAMPSHIRE

Manchester.....Manchester city, and Bedford,  
                   Goffstown, New Boston, and Weare  
                   towns in Hillsboro County;  
                   Hooksett town in Merrimack County;  
                   Auburn, Candia, Chester, Derry,  
                   Londonderry, and Raymond towns in  
                   Rockingham County  
 Nashua.....Nashua city, and Amherst, Brook-  
                   line, Greenville, Hollis, Hudson,  
                   Litchfield, Lyndeboro, Mason,  
                   Merrimack, Milford, Mount Vernon,  
                   New Ipswich, Pelham, Temple, and  
                   Wilton towns in Hillsboro County

### NEW JERSEY

Atlantic City.....Atlantic County  
 Camden.....Burlington, Camden, and Gloucester  
                   Counties  
 Hackensack.....Bergen County  
 Jersey City.....Hudson County  
 Long Branch-  
 Asbury Park.....Monmouth County  
 New Brunswick-Perth  
 Amboy-Sayreville....Middlesex County  
 Newark.....Essex, Morris, Somerset, and Union  
                   Counties  
 Paterson-Clifton-  
 Passaic.....Passaic County  
 Trenton.....Mercer County  
 Vineland-Millville-  
 Bridgeton.....Cumberland County

### NEW MEXICO

Albuquerque.....Bernalillo and Sandoval Counties  
 Las Cruces.....Dona Ana County

### NEW YORK

Albany-Schenectady-  
 Troy.....Albany, Montgomery, Rensselaer,  
                   Saratoga, and Schenectady Counties  
 Binghamton.....Broome and Tioga Counties, N. Y.;  
                   Susquehanna County, Pa.  
 Buffalo.....Erie and Niagara Counties  
 Elmira.....Chemung County  
 Monroe County.....Monroe County  
 Nassau-Suffolk.....Nassau and Suffolk Counties  
 New York-  
 Northeastern  
 New Jersey.....A consolidated area comprised of  
                   New York, N. Y. SMSA; Nassau-  
                   Suffolk, N. Y. SMSA; Newark, N. J.  
                   SMSA; New Brunswick-Perth Amboy-  
                   Sayreville, N. J. SMSA; Jersey  
                   City, N. J. SMSA; Paterson-  
                   Clifton-Passaic, N. J. SMSA; and  
                   the Hackensack, N. J. area  
 New York and Nassau-  
 Suffolk.....New York City, and Nassau, Putnam,  
                   Rockland, Suffolk, and Westchester  
                   Counties  
 New York SMSA.....New York City, and Putnam, Rockland  
                   and Westchester Counties  
 New York City.....Bronx, Kings, New York, Queens, and  
                   Richmond Counties  
 Poughkeepsie.....Dutchess County  
 Rochester.....Livingston, Monroe, Ontario,  
                   Orleans, and Wayne Counties  
 Rockland County.....Rockland County  
 Syracuse.....Madison, Onondaga, and Oswego  
                   Counties  
 Utica-Rome.....Herkimer and Oneida Counties  
 Westchester County...Westchester County

### NORTH CAROLINA

Asheville.....Buncombe and Madison Counties  
 Charlotte-Gastonia...Gaston, Mecklenburg, and Union  
                   Counties  
 Greensboro--Winston-  
 Salem--High Point...Davidson, Forsyth, Guilford, Ran-  
                   dolph, Stokes, and Yadkin Counties  
 Raleigh-Durham.....Durham, Orange, and Wake Counties

### NORTH DAKOTA

Fargo-Moorhead.....Cass County, N. D.; Clay County,  
                   Minn.

### OHIO

Akron.....Portage and Summit Counties  
 Canton.....Carroll and Stark Counties  
 Cincinnati.....Clermont, Hamilton, and Warren  
                   Counties, Ohio; Boone, Campbell,  
                   and Kenton Counties, Ky.; Dear-  
                   born County, Ind.  
 Cleveland.....Cuyahoga, Geauga, Lake, and Medina  
                   Counties  
 Columbus.....Delaware, Fairfield, Franklin,  
                   Madison, and Pickaway Counties  
 Dayton.....Greene, Miami, Montgomery, and  
                   Preble Counties  
 Toledo.....Fulton, Lucas, Ottawa, and Wood  
                   Counties, Ohio; Monroe County,  
                   Mich.  
 Youngstown-Warren...Mahoning and Trumbull Counties

### OKLAHOMA

Enid.....Garfield County  
 Lawton.....Comanche County  
 Oklahoma City.....Canadian, Cleveland, McClain,  
                   Oklahoma, and Pottawatomie  
                   Counties  
 Tulsa.....Creek, Mayes, Osage, Rogers,  
                   Tulsa, and Wagoner Counties

### OREGON

Eugene-Springfield...Lane County  
 Jackson County.....Jackson County  
 Portland.....Clackamas, Multnomah, and Washing-  
                   ton Counties, Oreg.; Clark County,  
                   Wash.  
 Salem.....Marion and Polk Counties

## Area Definitions—Continued

### PENNSYLVANIA

Allentown-Bethlehem-Easton.....Carbon, Lehigh, and Northampton Counties, Pa; Warren County, N. J.

Altoona.....Blair County

Delaware Valley.....Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties

Erie.....Erie County

Harrisburg.....Cumberland, Dauphin, and Perry Counties

Johnstown.....Cambria and Somerset Counties

Lancaster.....Lancaster County

Northeast-Pennsylvania.....Lackawanna, Luzerne, and Monroe Counties

Philadelphia SMSA....Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pa.; Burlington, Camden, and Gloucester Counties, N. J.

Philadelphia City....Philadelphia County

Pittsburgh.....Allegheny, Beaver, Washington, and Westmoreland Counties

Reading.....Berks County

Scranton.....Lackawanna County

Wilkes-Barre--Hazleton.....Luzerne County

Williamsport.....Lycoming County

York.....Adams and York Counties

### PUERTO RICO

Caguas.....Caguas, Gurabo, and San Lorenzo Municipios

Mayaguez.....Anasco, Hornigueros, and Mayaguez Municipios

Ponce.....Juana Diaz, Ponce, and Villalba Municipios

San Juan.....Bayamon, Canovanas, Carolina, Catano, Guaynabo, Loiza, San Juan, Toa Bajo, and Trujillo Alto Municipios

### RHODE ISLAND

Providence-Warwick-Pawtucket.....Central Falls, Cranston, East Providence, Pawtucket, Providence, and Woonsocket cities, and Burrillville, Cumberland, Foster, Gloucester, Johnston, Lincoln, North Providence, North Smithfield, Scituate, and Smithfield towns in Providence County, R. I.; Exeter, Narragansett, North Kingstown, Richmond, and South Kingstown towns in Washington County, R. I.; Warwick city, and Coventry, East Greenwich, West Greenwich, and West Warwick towns in Kent County, R. I.; Jamestown and New Shoreham towns in Newport County, R. I.; Bristol County, R. I.; Attleboro city, and North Attleboro, Norton, Rehoboth, and Seekonk towns in Bristol County, Mass.; Plainville town in Norfolk County, Mass.; Blackstone and Millville towns in Worcester County, Mass.

### SOUTH CAROLINA

Charleston-North Charleston.....Berkeley, Charleston, and Dorchester Counties

Columbia.....Lexington and Richland Counties

Greenville-Spartanburg.....Greenville, Pickens, and Spartanburg Counties

### SOUTH DAKOTA

Rapid City.....Meade and Pennington Counties

Sioux Falls.....Minnehaha County

### TENNESSEE

Chattanooga.....Hamilton, Marion, and Sequatchie Counties, Tenn.; Catoosa, Dade, and Walker Counties, Ga.

Knoxville.....Anderson, Blount, Knox, and Union Counties; portion of Oak Ridge in Roane County

Memphis.....Shelby and Tipton Counties, Tenn.; Crittenden County, Ark.

### TENNESSEE--Continued

Nashville-Davidson...Cheatham, Davidson, Dickson, Robertson, Rutherford, Sumner, Williamson, and Wilson Counties

### TEXAS

Abilene.....Callahan, Jones, and Taylor Counties

Anarillo.....Potter and Randall Counties

Austin.....Hays, Travis, and Williamson Counties

Beaumont-Port Arthur-Orange.....Hardin, Jefferson, and Orange Counties

Corpus Christi.....Nueces and San Patricio Counties

Dallas-Fort Worth....Collin, Dallas, Denton, Ellis, Hood, Johnson, Kaufman, Parker, Rockwall, Tarrant, and Wise Counties

El Paso.....El Paso County

Galveston-Texas City.....Galveston County

Houston.....Brazoria, Fort Bend, Harris, Liberty, Montgomery, and Waller Counties

Longview-Marshall....Gregg and Harrison Counties

Lubbock.....Lubbock County

Midland.....Midland County

Odessa.....Ector County

San Angelo.....Tom Green County

San Antonio.....Bexar, Comal, and Guadalupe Counties

Sherman-Denison.....Grayson County

Waco.....McLennan County

Wichita Falls.....Clay and Wichita Counties

### UTAH

Salt Lake City-Ogden.....Davis, Morgan, Salt Lake, Tooele, and Weber Counties

### VERMONT

Burlington.....Chittenden County; Grand Isle and South Hero towns in Grand Isle County

Springfield.....Athens, Grafton, Londonderry, Rockingham (includes Bellows Falls), Westminster, and Windham towns in Windham County; Andover, Baltimore, Cavendish, Chester, Ludlow, Reading, Springfield, Weathersfield, Weston, West Windsor, and Windsor towns in Windsor County

### VIRGINIA

Bristol.....Bristol city, and Scott and Washington Counties

Lynchburg.....Lynchburg city, and Amherst, Appomattox, and Campbell Counties

Newport News-Hampton.....Hampton, Newport News, Poquoson, and Williamsburg cities, and Gloucester, James City, and York Counties

Norfolk-Virginia Beach-Portsmouth....Chesapeake, Norfolk, Portsmouth, Suffolk, and Virginia Beach cities, Va.; Currituck County, N.C.

Northern Virginia....Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties

Petersburg-Colonial Heights-Hopewell....Colonial Heights, Hopewell, and Petersburg cities, and Dinwiddie and Prince George Counties

Richmond.....Richmond city, and Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, and Powhatan Counties

Roanoke.....Roanoke and Salem cities, and Botetourt, Craig, and Roanoke Counties

## Area Definitions—Continued

### WASHINGTON

Seattle-Everett.....King and Snohomish Counties  
Spokane.....Spokane County  
Tacoma.....Pierce County

### WEST VIRGINIA

Charleston.....Kanawha and Putnam Counties  
Huntington-Ashland...Cabell and Wayne Counties, W. Va.;  
                                  Boyd and Greenup Counties, Ky.;  
                                  Lawrence County, Ohio  
Parkersburg-  
  Marietta.....Wirt and Wood Counties, W. Va.;  
                                  Washington County, Ohio  
Wheeling.....Marshall and Ohio Counties, W. Va.;  
                                  Belmont County, Ohio

### WISCONSIN

Appleton-Oshkosh.....Calumet, Outagamie, and Winnebago  
                                  Counties  
Eau Claire.....Chippewa and Eau Claire Counties  
Green Bay.....Brown County  
Janesville-Beloit....Rock County  
Kenosha.....Kenosha County  
La Crosse.....La Crosse County  
Madison.....Dane County  
Milwaukee.....Milwaukee, Ozaukee, Washington, and  
                                  Waukesha Counties  
Racine.....Racine County

### WYOMING

Casper.....Natrona County  
Cheyenne.....Laramie County

# 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 65,000 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, 65,000 occupied units are eligible for interview. About 2,800 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 65,000 occupied units, there are 12,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next and one-half to be common with the same month a year earlier.

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

Over the period November 1978 to April 1979 the sample was again enlarged by 9,000 households. This was done to permit the publication of reliable quarterly estimates for the 50 States and the District of Columbia. These supplementary households were added to the 56,000 household sample in January 1980.

## 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. A recent change was introduced in January 1980, when another supplemental

sample of 9,000 households selected in 32 States and the District of Columbia to provide more reliable quarterly average estimates for States, was added to the existing sample.

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 .....	<sup>1</sup> 330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963 .....	<sup>2</sup> 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 present .....	629	62,200	2,800	12,000

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

<sup>2</sup> 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 .....	208	161
Employed .....	229	175
Unemployed .....	122	123
Males, 20 years and over:		
Civilian labor force .....	113	95
Employed .....	131	114
Unemployed .....	84	85
Females, 20 years and over:		
Civilian labor force .....	167	124
Employed .....	168	128
Unemployed .....	71	74
Both sexes, 16-19 years:		
Civilian labor force .....	80	85
Employed .....	85	94
Unemployed .....	58	72
Black and other, 16 years and over:		
Civilian labor force .....	73	56
Employed .....	84	63
Unemployed .....	59	62
Males, 20 years and over:		
Civilian labor force .....	40	34
Employed .....	49	43
Unemployed .....	40	42
Females, 20 years and over:		
Civilian labor force .....	62	46
Employed .....	62	48
Unemployed .....	36	40
Both sexes, 16-19 years:		
Civilian labor force .....	33	37
Employed .....	31	36
Unemployed .....	28	30

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

**Table D. Standard errors for estimates of monthly level**

(In thousands)

Estimated monthly level	Characteristic <sup>1</sup>								
	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	-	-	-	-	-	-	-

<sup>1</sup> 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 <sup>1</sup>							
	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 <sup>2</sup>	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	-	-	-	-	-	-	-

<sup>1</sup> See footnote 1, table D.

<sup>2</sup> Part-time labor force for unemployment also includes persons

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

**Table F. Standard errors for unemployment rates**

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

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

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

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

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

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

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

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

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

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



**Table K. Standard errors for estimates of quarterly level**

(In thousands)

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

# Establishment Data (B, C, and D tables)

## COLLECTION

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

### Federal-State cooperation

Under cooperative arrangements, responding establishments report employment, hours, and earnings data and/or labor turnover data to State agencies. State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the reported data to prepare State and area series and also send the reported data to the BLS (Washington Office) for use in preparing the national series. This avoids a duplicate reporting burden on establishments, and together with the use of similar estimating techniques at the national and State levels, promotes increased comparability between estimates.

### Shuttle schedules

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

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

## CONCEPTS

### Industrial classification

Establishments reporting on Form BLS 790 and Form DL 1219 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. Since January 1980, this information is collected on a supplement to the quarterly unemployment insurance tax reports filed by employers. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the principal product or activity.

All data on employment, hours, earnings, and labor turnover for the Nation and for most States and areas are classified in accordance with the 1972 *Standard Industrial Classification Manual* (SICM), Office of Management and Budget. The BLS tabulates and estimates statistics which distinguish between private and public establishments, thus maintaining continuity with previously published statistics for the private and government sectors.

### Industry employment

Employment data, except those for the Federal Government, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the

calendar month. Intermittent workers are counted if they performed any service during the month.

The data exclude proprietors, the self-employed, unpaid volunteer or family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded. Employees of the Central Intelligence and National Security Agencies are also excluded.

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

### Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in construction, and nonsupervisory employees in private service-producing industries. 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)
<b>Monthly data</b>		
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. <sup>1</sup>	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. <sup>2</sup>	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. <sup>2</sup>	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. <sup>2</sup>	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. <sup>2</sup>	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.
<b>Annual average data</b>		
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.

<sup>1</sup> 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.

<sup>2</sup> 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 1979<sup>1</sup>**

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 <sup>2</sup> .....	4,700	2,740,000	100
State and local .....	13,100	8,041,000	60

<sup>1</sup> 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.

<sup>2</sup> 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 <sup>1</sup>	Relative errors <sup>2</sup>	
		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 <sup>3</sup> .....	.5	-	-

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

<sup>2</sup> Relative errors relate to March 1971 data.

<sup>3</sup> 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:

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

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

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

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

Size of employment estimate	Root-mean-square error of employment estimates <sup>1</sup>	Relative errors <sup>2</sup> (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

<sup>1</sup> Assuming 12-month intervals between benchmark revisions.

<sup>2</sup> 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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IX ARIZONA	-Department of Economic Security, P.O. Box 6123, Phoenix 85005
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