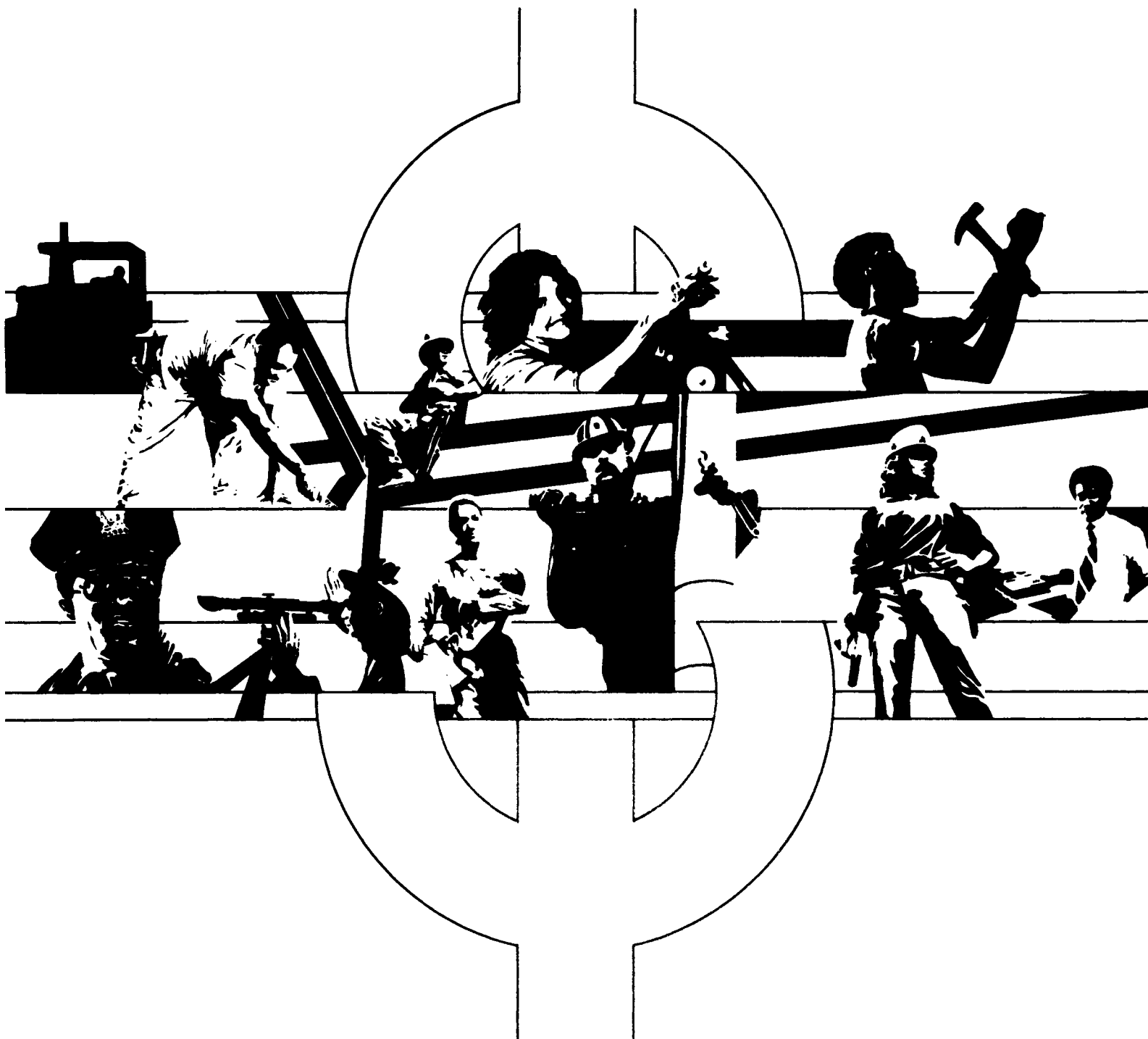


# Employment and Earnings May 1982



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

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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>1</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 1981 issue introduced March 1980 benchmarks.

<sup>2</sup> Month of publication of annual supplement varies. The latest supplement was published in August 1981.

<sup>3</sup> Issue varies. Latest revised data introduced July 1981.

<sup>4</sup> Data for 1980 and 1981 will be published in the June 1982 issue.

# Employment and Earnings

Vol. 29 No. 5 May 1982

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

## Editors' note

The national establishment-based series on employment, hours, and earnings in next month's issue of *Employment and Earnings* will reflect the annual revision to new benchmark levels and updated seasonal adjustment factors.

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# Employment and Unemployment Developments, April 1982

Unemployment increased in April and employment declined after seasonal adjustment. The Nation's unemployment rate rose from 9.0 to 9.4 percent, the highest recorded in the post-World War II era.

Nonfarm payroll employment—as derived from the monthly survey of establishments—declined by 170,000. Total employment—as derived from the monthly survey of households—edged down for the second consecutive month. Since their peaks last year, both employment series have declined by roughly one and a half million.

## Unemployment

Unemployment, which usually declines in April, fell less than seasonally and, after seasonal adjustment was up by 450,000. The overall unemployment rate rose four-tenths of a point to 9.4 percent. It had been 7.2 percent last July, the pre-recession series low.

The April rise in unemployment was widespread, as adult men (8.2 percent), adult women (8.3 percent), and teenagers (23.0 percent) experienced increases in their jobless rates. The rise in unemployment was felt most heavily by workers in the construction and durable goods manufacturing industries. The unemployment rate for blue-collar workers rose to a record 13.7 percent in April, up from 9.5 percent last July. In contrast, the rate for white-collar workers was about unchanged over the month, at 4.9 percent; it has risen by about a percentage point since July. (See tables A-33 and A-36.)

Among race-ethnic groups, the jobless rate for white workers rose to 8.4 percent in April, up from 6.3 percent last July. The unemployment rate for black workers was 18.4 percent; it had been 14.9 percent in July. The rate for Hispanics, 12.5 percent, was 2½ points above the July level. (See table A-35.)

About three-fifths of the over-the-month increase in joblessness was among job losers, who accounted for 57 percent of the unemployed. The median duration of unemployment rose from 7.6 to 8.5 weeks, while the mean duration was little changed at 14.2 weeks. Increases occurred in the number of persons unemployed less than 15 weeks and those out of work for 27 weeks or longer. (See tables A-37 and A-39.)

## Total employment and the labor force

After seasonal adjustment, total employment edged down in both March and April, with the 2-month decline totaling a quarter of a million workers. At 99.3 million, total employment has dropped by 1.5 million from last July. While employment of adult women was little changed over this period, that for adult men declined by 890,000, and teenage employment fell by 540,000. The percentage of the population employed continued to trend downward; at 57.1 percent in April, the employment-population ratio was 1.7 percentage points below its 1981 high.

The civilian labor force grew by 300,000 over the month to 109.6 million. Labor force growth over the past year has been slow, about 900,000, reflecting reduced labor force participation among adult men and teenagers, as well as a decline in the size of the teenage population. While the participation rate for adult women did rise over the year, the increase was much smaller than in recent years. (See table A-33.)

## Industry payroll employment

Total nonagricultural payroll employment declined by 170,000 in April, after adjustment for seasonality, to 90.6 million. Job losses since last September have totaled 1.4 million, with 1.2 million occurring in manufacturing alone. Over-the-month employment curtailments were fairly widespread, as employment gains were registered in only two-fifths of the 172 industries comprising the BLS diffusion index of private nonagricultural payroll employment. (See tables B-4 and B-7.)

Job cutbacks in construction and manufacturing accounted for most of the over-the-month decline. Construction employment was down 85,000 in April; over the past year, nearly 1 in 10 construction jobs have been lost. Employment in manufacturing continued to decline in April, though the over-the-month decrease of 80,000 was smaller than in most previous months of the current downturn. Most of the reduction occurred within durable goods industries, where the largest cutbacks took place in machinery, primary and fabricated

metals, and transportation equipment. In the non-durable goods sector, changes were generally small except for an increase in textile mill products and a decrease in apparel. Elsewhere in the goods-producing sector, jobs in mining continued the downward trend that has totaled 25,000 since last December.

Employment in the service-producing sector was about unchanged in April, as an increase of 65,000 in services was countered by declines of 40,000 in trade and 25,000 in government.

#### **Hours of work**

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls was 34.8 hours in April, down 0.1 hour over the month. Average hours in manufacturing were up 0.1 hour, as an increase of 0.2 hour in durable goods more than offset a small decline in nondurables. Factory overtime hours were also up 0.1 hour in April. (See table C-6.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls—a comprehensive measure of both employment and hours effects—dropped 0.4 percent in April to 105.7 (1977 = 100). The manufacturing index also declined 0.4

percent in April to 89.9. Since last July, the factory index has fallen 10.5 percent (See table C-7.)

#### **Hourly and weekly earnings**

Average hourly earnings rose 0.3 percent in April, while average weekly earnings were virtually unchanged, after seasonal adjustment. Before adjustment for seasonality, average hourly earnings rose 2 cents to \$7.56, 43 cents above a year earlier. Weekly earnings were little changed over the month but increased \$10.60 over the past year. (See tables C-1 and C-8.)

#### **The Hourly Earnings Index**

The Hourly Earnings Index (HEI) was 146.4 (1977 = 100) in April, seasonally adjusted, 0.4 percent higher than in March. For the 12 months ended in April, the increase (before seasonal adjustment) was 7.1 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in overtime in manufacturing and interindustry employment shifts. In dollars of constant purchasing power, the HEI increased 0.7 percent during the 12-month period ended in March. (See table C-8.)

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Seasonally adjusted data for April 1982 for some series have been corrected from those published in the news release, *The Employment Situation: April 1982*, for all employees, production workers, and indexes of aggregate weekly hours. For all employees and production workers, the series are: Total, total private, service-producing, wholesale and retail trade, and retail trade. For the index of aggregate weekly hours, the series are wholesale and retail trade, and retail trade. The corrected data appear in tables B-4, B-6, and C-7 of this issue of *Employment and Earnings*.

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# 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	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,611	62,903	59.5	61,286	57,651	7,658	49,993	3,637	5.9	42,708
1950.....	106,645	63,858	59.9	62,238	58,918	7,160	51,758	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093
1953 <sup>1</sup> .....	110,601	66,560	60.2	63,015	61,179	6,263	54,919	1,834	2.9	44,041
1954.....	111,671	66,993	60.0	63,643	60,139	6,205	53,904	3,532	5.5	44,678
1955.....	112,732	68,072	60.4	65,023	62,170	6,453	55,722	2,852	4.4	44,660
1956.....	113,811	69,409	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	5.8	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,055	3,740	5.5	46,960
1960 <sup>1</sup> .....	119,759	72,142	60.2	69,628	65,778	5,458	59,318	3,852	5.5	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	5.7	48,312
1962.....	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.5	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,272	85,959	61.3	82,771	78,678	3,463	75,215	4,093	4.9	54,315
1971.....	143,033	87,198	61.0	84,382	79,367	3,394	75,972	5,016	5.9	55,834
1972 <sup>1</sup> .....	146,574	89,484	61.1	87,034	82,153	3,484	78,659	4,882	5.6	57,091
1973 <sup>1</sup> .....	149,423	91,756	61.4	89,429	85,064	3,470	81,594	4,365	4.9	57,667
1974.....	152,349	94,179	61.8	91,949	86,794	3,515	83,279	5,156	5.6	58,171
1975.....	155,333	95,955	61.8	93,775	85,846	3,408	82,438	7,929	8.5	59,377
1976.....	158,294	98,302	62.1	96,158	88,752	3,331	85,421	7,406	7.7	59,991
1977.....	161,166	101,142	62.8	99,009	92,017	3,283	88,734	6,991	7.1	60,025
1978.....	164,027	104,368	63.6	102,251	96,048	3,387	92,661	6,202	6.1	59,659
1979.....	166,951	107,050	64.1	104,962	98,824	3,347	95,477	6,137	5.8	59,900
1980.....	169,848	109,042	64.2	106,940	99,303	3,364	95,938	7,637	7.1	60,806
1981.....	172,272	110,812	64.3	108,670	100,397	3,368	97,030	8,273	7.6	61,460
<b>Monthly data, seasonally adjusted<sup>2</sup></b>										
<b>1981:</b>										
April....	171,770	110,906	64.6	108,777	100,878	3,470	97,438	7,899	7.3	60,864
May.....	171,956	111,420	64.6	109,293	101,045	3,405	97,640	8,248	7.5	60,536
June.....	172,172	110,565	64.2	108,434	100,430	3,348	97,082	8,004	7.4	61,608
July.....	172,385	110,827	64.3	108,688	100,864	3,342	97,522	7,824	7.2	61,558
August....	172,559	110,978	64.3	108,818	100,840	3,404	97,436	7,978	7.3	61,581
September	172,758	110,659	64.1	108,494	100,258	3,358	96,900	8,236	7.6	62,099
October..	172,966	111,170	64.3	109,012	100,343	3,378	96,965	8,669	9.0	61,797
November.	173,155	111,430	64.4	109,272	100,172	3,372	96,800	9,100	8.3	61,724
December.	173,330	111,348	64.2	109,184	99,613	3,209	96,434	9,571	8.8	61,982
<b>1982:</b>										
January..	173,495	111,038	64.0	108,879	99,581	3,411	96,170	9,298	8.5	62,456
February.	173,657	111,333	64.1	109,165	99,590	3,373	96,217	9,575	8.8	62,324
March....	173,843	111,521	64.2	109,346	99,492	3,349	96,144	9,854	9.0	62,321
April....	174,020	111,824	64.3	109,648	99,340	3,309	96,032	10,307	9.4	62,197

<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 popula- tion	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of popula- tion	Total	Employed			Unemployed		
					Total	Agri- culture	Nonagri- cultural Indus- tries	Number	Percent of labor force	
<b>MALES</b>										
Annual averages										
1972 <sup>1</sup> .....	70,241	55,961	79.7	53,555	50,896	2,849	43,047	2,659	5.0	14,280
1973 <sup>1</sup> .....	71,567	56,900	79.5	54,624	52,349	2,847	43,502	2,275	4.2	14,667
1974.....	72,971	57,902	79.3	55,739	53,024	2,919	50,105	2,714	4.9	15,069
1975.....	74,383	58,390	78.5	56,299	51,857	2,824	49,032	4,442	7.9	15,993
1976.....	75,798	59,212	78.1	57,174	53,138	2,744	50,394	4,036	7.1	16,585
1977.....	77,211	60,414	78.2	58,396	54,728	2,671	52,057	3,667	6.3	16,797
1978 <sup>1</sup> .....	78,569	61,613	78.4	59,620	56,479	2,718	53,761	3,142	5.3	16,956
1979.....	79,968	62,676	78.4	60,726	57,607	2,886	54,921	3,120	5.1	17,293
1980.....	81,341	63,396	77.9	61,453	57,186	2,709	54,477	4,267	6.9	17,945
1981.....	82,476	63,939	77.5	61,974	57,397	2,700	54,697	4,577	7.4	18,537
Monthly data, seasonally adjusted <sup>2</sup>										
<b>1981:</b>										
April....	82,236	64,047	77.9	62,092	57,792	2,790	55,002	4,300	6.9	18,188
May.....	82,324	64,317	78.1	62,364	57,793	2,728	55,065	4,571	7.3	18,007
June.....	82,428	63,647	77.2	61,694	57,279	2,704	54,575	4,415	7.2	18,781
July.....	82,529	63,771	77.3	61,811	57,640	2,695	54,944	4,171	6.7	18,758
August...	82,613	63,916	77.4	61,936	57,551	2,738	54,813	4,385	7.1	18,697
September	82,707	63,960	77.3	61,977	57,471	2,687	54,784	4,506	7.3	18,747
October..	82,807	64,040	77.3	62,064	57,266	2,715	54,551	4,798	7.7	18,767
November.	82,895	64,158	77.4	62,184	57,051	2,668	54,383	5,133	8.3	18,737
December.	82,978	64,283	77.5	62,303	56,725	2,590	54,135	5,578	9.0	18,696
<b>1982:</b>										
January..	83,054	63,941	77.0	61,966	56,629	2,698	53,931	5,338	8.6	19,113
February.	83,129	64,025	77.0	62,042	56,658	2,693	53,965	5,384	8.7	19,104
March....	83,218	64,069	77.0	62,082	56,472	2,667	53,805	5,610	9.0	19,149
April....	83,303	64,234	77.1	62,247	56,401	2,661	53,739	5,846	9.4	19,068
<b>FEMALES</b>										
Annual averages										
1972 <sup>1</sup> .....	76,333	33,522	43.9	33,479	31,257	635	30,622	2,222	5.6	42,811
1973 <sup>1</sup> .....	77,855	34,855	44.8	34,804	32,715	622	32,093	2,089	6.0	43,000
1974.....	79,379	36,278	45.7	36,211	33,769	596	33,173	2,441	6.7	43,101
1975.....	80,949	37,565	46.4	37,475	33,989	584	33,404	3,486	9.3	43,386
1976.....	82,496	39,089	47.4	38,983	35,615	588	35,027	3,369	8.6	43,406
1977.....	83,955	40,728	48.5	40,613	37,289	612	36,677	3,324	8.2	43,227
1978 <sup>1</sup> .....	85,459	42,755	50.0	42,631	39,569	669	38,900	3,061	7.2	42,703
1979.....	86,983	44,375	51.0	44,235	41,217	661	40,556	3,018	6.8	42,608
1980.....	88,507	45,646	51.6	45,487	42,117	656	41,461	3,370	7.4	42,861
1981.....	89,796	46,873	52.2	46,696	43,000	667	42,333	3,696	7.9	42,922
Monthly data, seasonally adjusted <sup>2</sup>										
<b>1981:</b>										
April....	89,535	46,859	52.3	46,685	43,086	630	42,406	3,599	7.7	42,676
May.....	89,632	47,103	52.6	46,929	43,252	677	42,575	3,677	7.8	42,529
June.....	89,744	46,918	52.3	46,740	43,151	644	42,507	3,589	7.7	42,827
July.....	89,856	47,056	52.4	46,877	43,224	646	42,578	3,653	7.8	42,800
August...	89,946	47,062	52.3	46,882	43,289	666	42,623	3,593	7.7	42,884
September	90,051	46,699	51.9	46,517	42,787	671	42,116	3,730	8.0	43,352
October..	90,159	47,129	52.3	46,948	43,077	563	42,414	3,871	8.2	43,030
November.	90,259	47,272	52.4	47,088	43,121	704	42,417	3,967	8.4	42,987
December.	90,352	47,066	52.1	46,881	42,888	619	42,269	3,993	8.5	43,286
<b>1982:</b>										
January..	90,441	47,097	52.1	46,913	42,952	713	42,239	3,960	8.4	43,343
February.	90,528	47,308	52.3	47,123	42,932	680	42,251	4,191	8.9	43,220
March....	90,625	47,452	52.4	47,264	43,020	682	42,339	4,243	9.0	43,173
April....	90,718	47,589	52.5	47,401	42,940	647	42,292	4,461	9.4	43,128

<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 1982										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>MALES</b>											
16 years and over . . .	63,761	76.5	61,773	55,924	5,850	9.5	19,542	328	4,817	1,574	12,824
16 to 21 years . . .	7,859	62.5	7,225	5,699	1,526	21.1	4,735	24	3,887	36	758
16 to 19 years . . .	4,446	54.3	4,187	3,188	999	23.9	3,736	18	3,147	16	554
16 to 17 years . . .	1,674	42.3	1,664	1,255	409	24.6	2,287	10	1,938	2	338
18 to 19 years . . .	2,772	65.7	2,522	1,933	590	23.4	1,449	9	1,209	14	217
20 to 64 years . . .	57,446	88.7	55,717	50,949	4,770	3.6	7,345	160	1,670	1,105	4,411
20 to 24 years . . .	9,163	84.0	8,399	7,060	1,338	15.9	1,740	19	1,237	43	441
25 to 54 years . . .	41,074	94.0	40,111	37,091	3,020	7.5	2,639	82	425	587	1,515
25 to 29 years . . .	9,544	93.9	9,160	8,147	1,013	11.1	617	23	263	69	262
30 to 34 years . . .	8,840	96.0	8,575	7,873	703	8.2	364	11	81	61	212
35 to 39 years . . .	7,174	95.5	6,984	6,554	430	5.2	339	9	40	91	239
40 to 44 years . . .	5,731	95.0	5,643	5,270	373	6.6	301	12	17	101	171
45 to 49 years . . .	4,958	92.8	4,930	4,692	237	4.8	388	13	13	115	247
50 to 54 years . . .	4,827	88.9	4,819	4,556	263	5.5	631	15	11	161	413
55 to 64 years . . .	7,209	70.5	7,208	6,797	411	5.7	2,996	59	7	475	2,455
55 to 59 years . . .	4,447	82.4	4,446	4,176	270	6.1	952	22	5	228	695
60 to 64 years . . .	2,762	57.5	2,762	2,621	141	5.1	2,045	37	1	247	1,760
65 years and over . . .	1,869	18.1	1,869	1,787	81	4.4	8,461	149	--	452	7,859
65 to 69 years . . .	1,070	27.4	1,070	1,016	54	5.1	2,842	35	--	166	2,640
70 years and over . . .	798	12.4	798	771	27	3.4	5,519	114	--	286	5,219
<b>White</b>											
16 years and over . . .	56,200	77.4	54,673	50,039	4,633	8.5	16,452	259	3,754	1,239	11,201
16 to 21 years . . .	6,860	65.4	6,375	5,160	1,215	19.1	3,634	12	3,037	22	564
16 to 19 years . . .	3,943	57.9	3,740	2,931	809	21.6	2,869	9	2,426	7	427
16 to 17 years . . .	1,539	46.6	1,531	1,179	352	23.0	1,765	9	1,488	2	266
18 to 19 years . . .	2,404	68.5	2,209	1,752	457	20.7	1,134	--	937	5	161
20 to 64 years . . .	50,558	89.4	49,234	45,471	3,763	7.6	5,980	122	1,328	856	3,674
20 to 24 years . . .	7,870	85.3	7,305	6,265	1,040	14.2	1,356	14	1,013	32	297
25 to 54 years . . .	36,137	94.3	35,380	32,985	2,394	6.8	1,969	58	311	431	1,169
25 to 29 years . . .	16,004	95.7	15,509	14,178	1,331	8.6	716	28	257	92	338
30 to 34 years . . .	11,410	96.0	11,179	10,527	652	5.8	477	13	39	128	296
35 to 44 years . . .	8,724	91.3	8,692	8,280	412	4.7	776	17	14	211	534
55 to 64 years . . .	6,551	71.2	6,549	6,221	328	5.0	2,655	50	5	393	2,207
55 to 59 years . . .	4,038	83.1	4,037	3,824	213	5.3	920	19	4	197	600
60 to 64 years . . .	2,513	57.8	2,513	2,397	116	4.6	1,836	32	--	196	1,607
65 years and over . . .	1,699	18.3	1,699	1,638	61	3.6	7,603	128	--	375	7,100
<b>Black and other</b>											
16 years and over . . .	7,560	71.0	7,100	5,884	1,216	17.1	3,090	69	1,063	335	1,623
16 to 21 years . . .	1,000	48.3	850	539	311	36.6	1,171	13	850	14	194
16 to 19 years . . .	502	36.7	447	257	190	42.5	867	10	722	9	127
16 to 17 years . . .	134	20.5	133	76	58	43.2	522	1	449	--	71
18 to 19 years . . .	368	51.6	314	181	133	42.3	345	9	272	9	56
20 to 64 years . . .	6,888	83.5	6,484	5,477	1,005	15.5	1,365	37	341	249	738
20 to 24 years . . .	1,293	77.1	1,094	796	298	27.2	384	5	224	12	144
25 to 54 years . . .	4,936	88.5	4,731	4,136	626	13.2	640	24	114	156	346
25 to 29 years . . .	2,380	90.0	2,226	1,841	385	17.3	265	5	87	38	136
30 to 34 years . . .	1,495	90.2	1,449	1,297	152	10.5	163	8	18	53	84
35 to 54 years . . .	1,061	83.4	1,056	968	88	3.3	212	11	9	65	126
55 to 64 years . . .	659	65.9	653	576	83	12.5	341	8	3	82	249
55 to 59 years . . .	410	75.6	410	352	57	14.0	132	4	2	31	95
60 to 64 years . . .	249	54.4	249	224	25	10.1	239	5	1	51	153
65 years and over . . .	170	16.6	170	150	21	12.1	857	22	--	77	758

# HOUSEHOLD DATA

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

(Numbers in thousands)

Sex, age, and race	April 1982										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>FEMALES</b>											
16 years and over	47,229	52.1	47,041	42,934	4,107	8.7	43,438	31,576	4,639	1,034	6,138
16 to 21 years	6,597	53.8	6,529	5,366	1,163	17.8	5,672	1,264	3,790	14	604
16 to 19 years	3,801	47.7	3,774	2,995	779	20.6	4,164	569	3,128	7	460
16 to 17 years	1,449	37.7	1,449	1,097	352	24.3	2,394	143	1,948	2	301
18 to 19 years	2,351	57.1	2,325	1,899	427	18.3	1,770	426	1,180	5	159
20 to 64 years	42,252	62.3	42,090	38,805	3,285	7.8	25,552	21,176	1,510	484	2,382
20 to 24 years	7,421	68.7	7,333	6,428	902	12.3	3,385	2,059	988	28	310
25 to 54 years	29,923	66.0	29,852	27,726	2,126	7.1	15,395	13,495	503	235	1,161
25 to 29 years	7,001	68.0	6,954	6,332	652	9.4	3,290	2,827	208	19	237
30 to 34 years	6,306	67.0	6,289	5,801	488	7.8	3,136	2,732	145	19	239
35 to 39 years	5,197	67.0	5,193	4,868	325	6.3	2,563	2,251	76	36	199
40 to 44 years	4,313	68.4	4,311	4,031	280	6.5	1,988	1,789	41	34	125
45 to 49 years	3,734	65.9	3,734	3,519	215	5.8	1,930	1,707	15	61	147
50 to 54 years	3,372	57.2	3,371	3,206	166	4.9	2,518	2,190	17	66	245
55 to 64 years	4,908	42.0	4,908	4,650	258	5.2	6,772	5,621	20	221	910
55 to 59 years	3,035	50.0	3,035	2,888	147	4.8	3,032	2,615	11	86	320
60 to 64 years	1,873	33.4	1,873	1,763	110	5.9	3,740	3,206	8	135	590
65 years and over	1,177	7.9	1,177	1,134	43	3.7	13,773	9,932	1	543	3,297
65 to 69 years	703	14.4	703	675	28	3.9	4,192	3,209	3	94	886
70 years and over	474	4.7	474	459	15	3.2	9,581	6,722	--	449	2,411
<b>White</b>											
16 years and over	40,713	52.0	40,579	37,469	3,110	7.7	37,544	28,022	3,513	828	5,181
16 to 21 years	5,855	57.6	5,808	4,894	914	15.7	4,317	999	2,866	11	442
16 to 19 years	3,433	52.2	3,415	2,773	641	18.8	3,145	439	2,365	8	333
16 to 17 years	1,342	42.4	1,342	1,026	316	23.5	1,823	113	1,468	2	240
18 to 19 years	2,091	61.3	2,073	1,747	325	15.7	1,322	326	897	5	93
20 to 64 years	36,217	62.3	36,101	33,670	2,432	5.7	21,928	18,465	1,147	381	1,936
20 to 24 years	6,410	70.9	6,347	5,700	646	10.2	2,629	1,550	743	18	217
25 to 54 years	25,453	65.7	25,402	23,838	1,566	6.2	13,260	11,742	385	188	945
25 to 29 years	11,225	67.4	11,179	10,384	795	7.1	5,424	4,787	271	30	336
30 to 34 years	8,080	67.1	8,075	7,614	462	5.7	3,956	3,535	88	59	273
35 to 39 years	6,149	61.3	6,148	5,839	309	5.0	3,879	3,420	26	98	335
40 to 44 years	4,352	61.3	4,352	4,133	219	5.0	6,040	5,372	18	175	775
45 to 49 years	2,691	50.1	2,691	2,564	126	4.7	2,675	2,339	10	64	261
50 to 54 years	1,662	33.1	1,662	1,568	93	5.6	3,365	2,733	8	111	513
55 to 64 years	1,063	7.9	1,063	1,026	37	3.5	12,471	9,118	1	440	2,912
<b>Black and other</b>											
16 years and over	6,516	52.3	6,462	5,465	997	15.4	5,944	3,655	1,126	206	957
16 to 21 years	743	35.4	722	472	249	34.6	1,355	265	924	3	162
16 to 19 years	367	26.5	359	222	138	38.3	1,019	130	763	--	126
16 to 17 years	107	15.8	107	71	36	34.0	570	29	480	--	61
18 to 19 years	260	36.7	252	151	101	40.1	448	100	283	--	65
20 to 64 years	6,035	62.5	5,988	5,135	854	14.3	3,624	2,712	363	103	446
20 to 24 years	1,011	57.2	983	727	256	25.0	756	409	244	10	93
25 to 54 years	4,469	67.7	4,450	3,890	560	12.6	2,136	1,754	118	48	216
25 to 29 years	2,082	68.2	2,064	1,719	345	16.7	972	772	82	9	110
30 to 34 years	1,430	70.5	1,429	1,285	143	10.0	595	505	29	11	51
35 to 39 years	957	62.7	957	886	71	7.4	569	477	7	29	56
40 to 44 years	556	43.2	556	518	38	6.8	732	549	1	46	136
45 to 49 years	344	49.1	344	323	21	6.1	357	275	1	22	59
50 to 54 years	211	36.1	211	195	17	8.0	375	274	--	24	77
55 to 64 years	114	8.0	114	108	5	4.8	1,301	913	--	103	385

## 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. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982
<b>MALES</b>								
16 years and over	63,499	63,761	77.2	76.5	61,544	51,773	76.7	76.0
16 to 19 years	4,871	4,446	57.9	54.3	4,591	4,187	56.4	52.8
16 to 17 years	1,877	1,674	45.4	42.3	1,865	1,664	45.2	42.1
18 to 19 years	2,994	2,772	69.9	65.7	2,726	2,522	67.9	63.5
20 to 24 years	9,198	9,163	84.8	84.0	8,455	8,399	83.7	82.8
25 to 54 years	40,285	41,074	94.3	94.0	39,354	40,111	94.2	93.9
25 to 34 years	18,002	18,384	95.0	94.9	17,375	17,735	94.8	94.8
35 to 44 years	12,360	12,905	95.7	95.3	12,092	12,627	95.6	95.2
45 to 54 years	9,924	9,785	91.5	90.8	9,888	9,749	91.5	90.8
55 to 64 years	7,226	7,209	71.3	70.6	7,224	7,208	71.3	70.6
55 to 59 years	4,473	4,447	82.4	82.4	4,472	4,446	82.4	82.4
60 to 64 years	2,753	2,762	58.5	57.5	2,753	2,762	58.5	57.5
65 years and over	1,919	1,869	19.0	18.1	1,919	1,869	19.0	18.1
<b>White</b>								
16 years and over	56,065	56,200	78.1	77.4	54,556	54,673	77.6	76.9
16 to 19 years	4,272	3,943	60.8	57.9	4,057	3,740	59.6	56.6
16 to 17 years	1,666	1,539	48.5	46.6	1,655	1,531	48.3	46.5
18 to 19 years	2,606	2,404	72.7	68.5	2,402	2,209	71.0	66.7
20 to 24 years	7,912	7,870	86.4	85.3	7,363	7,305	85.5	84.3
25 to 54 years	35,540	36,137	95.2	94.8	34,797	35,380	95.1	94.7
25 to 34 years	15,750	16,004	95.9	95.7	15,262	15,509	95.8	95.6
35 to 44 years	10,905	11,410	96.5	96.0	10,681	11,179	96.5	95.9
45 to 54 years	8,885	8,724	92.5	91.8	8,854	8,692	92.4	91.8
55 to 64 years	6,599	6,551	72.2	71.2	6,598	6,549	72.2	71.2
55 to 59 years	4,080	4,038	83.6	83.1	4,079	4,037	83.6	83.1
60 to 64 years	2,519	2,513	59.2	57.8	2,519	2,513	59.2	57.8
65 years and over	1,742	1,699	19.0	18.3	1,742	1,699	19.0	18.3
<b>Black and other</b>								
16 years and over	7,435	7,560	71.2	71.0	6,987	7,100	69.9	69.7
16 to 19 years	599	502	42.9	36.7	534	447	40.1	34.0
16 to 17 years	211	134	30.2	20.5	210	133	30.1	20.3
18 to 19 years	388	368	55.5	51.6	324	314	51.1	47.6
20 to 24 years	1,286	1,293	76.3	77.1	1,092	1,094	73.2	74.0
25 to 54 years	4,746	4,936	88.3	88.5	4,557	4,731	87.6	88.1
25 to 34 years	2,252	2,380	88.8	90.0	2,113	2,226	88.2	89.3
35 to 44 years	1,455	1,495	90.0	90.2	1,411	1,449	89.8	89.9
45 to 54 years	1,039	1,061	83.8	83.4	1,034	1,055	83.7	83.3
55 to 64 years	627	659	62.8	65.9	627	658	62.8	65.9
55 to 59 years	393	410	71.5	75.6	393	410	71.5	75.6
60 to 64 years	234	249	52.1	54.4	234	249	52.1	54.4
65 years and over	177	170	18.2	16.6	177	170	18.2	16.6

# 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. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982
<b>FEMALES</b>								
16 years and over	46,536	47,223	52.0	52.1	46,362	47,041	51.9	52.0
16 to 19 years	4,049	3,801	49.4	47.7	4,220	3,774	49.2	47.5
16 to 17 years	1,625	1,449	40.5	37.7	1,624	1,449	40.5	37.7
18 to 19 years	2,425	2,351	58.0	57.1	2,396	2,325	57.7	56.8
20 to 24 years	7,384	7,421	68.5	68.7	7,300	7,330	68.3	68.4
25 to 54 years	29,040	29,923	65.4	66.0	28,979	29,852	65.4	66.0
25 to 34 years	12,918	13,307	66.9	67.5	12,863	13,243	66.8	67.4
35 to 44 years	8,956	9,510	66.7	67.6	8,951	9,504	66.7	67.6
45 to 54 years	7,166	7,106	61.5	61.5	7,165	7,105	61.5	61.5
55 to 64 years	4,856	4,908	41.9	42.0	4,856	4,908	41.9	42.0
55 to 59 years	2,994	3,035	49.1	50.0	2,994	3,035	49.1	50.0
60 to 64 years	1,862	1,873	33.9	33.4	1,862	1,873	33.9	33.4
65 years and over	1,206	1,177	8.3	7.9	1,206	1,177	8.3	7.9
<b>White</b>								
16 years and over	40,035	40,713	51.7	52.0	39,909	40,579	51.7	51.9
16 to 19 years	3,610	3,433	52.8	52.2	3,589	3,415	52.7	52.1
16 to 17 years	1,478	1,342	44.2	42.4	1,477	1,342	44.1	42.4
18 to 19 years	2,132	2,091	61.2	61.3	2,112	2,073	61.0	61.1
20 to 24 years	6,337	6,410	70.3	70.9	6,276	6,347	70.1	70.7
25 to 54 years	24,698	25,453	65.0	65.7	24,652	25,402	65.0	65.7
25 to 34 years	10,874	11,225	66.5	67.4	10,833	11,179	66.4	67.3
35 to 44 years	7,629	8,080	66.3	67.1	7,625	8,075	66.3	67.1
45 to 54 years	6,195	6,149	61.1	61.3	6,194	6,148	61.1	61.3
55 to 64 years	4,310	4,352	41.7	41.9	4,310	4,352	41.7	41.9
55 to 59 years	2,663	2,691	49.2	50.1	2,653	2,691	49.2	50.1
60 to 64 years	1,647	1,662	33.5	33.1	1,647	1,662	33.5	33.1
65 years and over	1,082	1,063	8.2	7.9	1,082	1,063	8.2	7.9
<b>Black and other</b>								
16 years and over	6,500	6,516	53.5	52.3	6,452	6,462	53.3	52.1
16 to 19 years	440	367	32.2	26.5	431	359	31.8	26.1
16 to 17 years	147	107	22.1	15.8	147	107	22.1	15.8
18 to 19 years	293	260	41.8	36.7	284	252	41.1	36.0
20 to 24 years	1,047	1,011	59.1	57.2	1,024	983	58.6	56.5
25 to 54 years	4,343	4,469	68.0	67.7	4,327	4,450	68.0	67.6
25 to 34 years	2,045	2,082	69.2	68.2	2,030	2,064	69.0	68.0
35 to 44 years	1,327	1,430	69.3	70.6	1,326	1,429	69.3	70.6
45 to 54 years	971	957	64.2	62.7	971	957	64.2	62.7
55 to 64 years	546	556	43.6	43.2	546	556	43.6	43.2
55 to 59 years	331	344	48.5	49.1	331	344	48.5	49.1
60 to 64 years	215	211	37.7	36.1	215	211	37.7	36.1
65 years and over	124	114	9.0	8.0	124	114	9.0	8.0

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

[Numbers in thousands]

Sex and age	April 1982						
	Civilian labor force						Not in labor force
	Total	Employed			Unemployed		
		Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>TOTAL</b>							
16 years and over .....	10,986	9,031	203	8,828	1,955	17.8	7,524
16 to 19 years .....	656	351	11	343	335	46.5	1,603
16 to 17 years .....	190	101	2	99	88	46.6	937
18 to 19 years .....	466	249	9	241	216	46.5	666
20 to 24 years .....	1,721	1,224	18	1,206	497	28.9	967
25 to 54 years .....	7,355	6,330	125	6,206	1,025	13.9	2,174
25 to 34 years .....	3,476	2,833	50	2,783	643	18.5	930
35 to 44 years .....	2,279	2,033	36	1,997	246	10.8	581
45 to 54 years .....	1,600	1,464	38	1,426	136	8.5	663
55 to 64 years .....	1,018	908	28	880	109	10.8	912
55 to 59 years .....	625	556	16	539	69	11.1	414
60 to 64 years .....	393	353	12	341	40	10.2	498
65 years and over .....	237	218	21	197	19	8.1	1,869
<b>Males</b>							
16 years and over .....	5,677	4,606	182	4,424	1,071	18.9	2,572
16 to 19 years .....	367	189	11	177	178	48.5	733
16 to 17 years .....	104	49	2	47	54	51.9	456
18 to 19 years .....	263	139	9	130	123	46.8	277
20 to 24 years .....	902	637	16	621	265	29.4	316
25 to 54 years .....	3,728	3,191	110	3,082	537	14.4	514
25 to 34 years .....	1,770	1,437	46	1,391	333	18.8	198
35 to 44 years .....	1,139	1,013	31	982	126	11.1	131
45 to 54 years .....	818	740	32	708	78	9.5	185
55 to 64 years .....	547	471	24	447	75	13.7	300
55 to 59 years .....	341	293	16	273	51	15.0	116
60 to 64 years .....	205	181	8	174	24	11.7	184
65 years and over .....	134	119	21	98	16	11.9	710
<b>Females</b>							
16 years and over .....	5,309	4,425	21	4,404	884	16.6	4,952
16 to 19 years .....	289	162	--	163	127	44.0	870
16 to 17 years .....	86	52	--	52	34	39.8	481
18 to 19 years .....	203	110	--	111	93	45.8	389
20 to 24 years .....	819	587	2	585	232	28.3	651
25 to 54 years .....	3,627	3,133	15	3,124	488	13.5	1,660
25 to 34 years .....	1,706	1,396	4	1,392	310	18.2	732
35 to 44 years .....	1,140	1,020	5	1,015	120	10.5	450
45 to 54 years .....	782	724	5	718	58	7.4	478
55 to 64 years .....	471	437	4	433	34	7.2	612
55 to 59 years .....	284	266	--	266	18	6.4	298
60 to 64 years .....	188	172	4	167	16	8.4	314
65 years and over .....	103	99	--	99	3	3.2	1,159

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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. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982
<b>TOTAL</b>								
Total noninstitutional population	171,770	174,020	73,817	75,121	81,333	82,753	16,615	16,146
Total labor force	110,035	110,990	58,628	59,315	42,486	43,429	8,921	8,246
Percent of population	64.1	63.8	79.4	79.0	52.2	52.5	53.7	51.1
Civilian labor force	107,906	108,814	56,953	57,586	42,341	43,267	8,611	7,961
Employed	103,345	98,858	53,551	52,736	39,748	39,939	7,046	6,183
Agriculture	3,313	3,172	2,366	2,332	559	551	388	289
Nonagricultural industries	97,032	95,686	51,185	50,404	39,189	39,388	6,657	5,894
Unemployed	7,561	9,957	3,403	4,851	2,593	3,328	1,565	1,778
Percent of labor force	7.0	9.2	6.0	8.4	6.1	7.7	18.2	22.3
Not in labor force	51,735	63,030	15,189	15,806	38,852	39,325	7,694	7,900
<b>White</b>								
Total noninstitutional population	149,174	150,910	64,758	65,840	70,554	71,679	13,851	13,391
Total labor force	95,100	96,913	51,792	52,257	36,426	37,280	7,882	7,377
Percent of population	64.4	64.2	80.0	79.4	51.6	52.0	56.9	55.1
Civilian labor force	94,466	95,252	50,500	50,933	36,320	37,164	7,646	7,155
Employed	89,615	87,509	47,794	47,109	34,414	34,696	6,407	5,704
Agriculture	3,004	2,910	2,133	2,116	514	519	357	275
Nonagricultural industries	85,611	84,598	45,661	44,992	33,900	34,177	6,049	5,429
Unemployed	5,851	7,743	2,705	3,824	1,906	2,469	1,239	1,450
Percent of labor force	6.2	8.1	5.4	7.5	5.2	6.6	16.2	20.3
Not in labor force	53,074	53,997	12,976	13,583	34,128	34,399	5,969	6,014
<b>Black and other</b>								
Total noninstitutional population	22,597	23,110	9,048	9,281	10,784	11,074	2,764	2,756
Total labor force	13,935	14,077	6,835	7,058	6,060	5,149	1,039	869
Percent of population	61.7	60.9	75.5	75.1	56.2	55.5	37.6	31.6
Civilian labor force	13,440	13,562	6,454	6,654	5,021	6,102	965	806
Employed	11,730	11,349	5,756	5,627	5,334	5,243	639	478
Agriculture	309	261	232	216	45	32	31	13
Nonagricultural industries	11,421	11,087	5,524	5,411	5,289	5,211	608	465
Unemployed	1,710	2,213	697	1,026	687	859	326	328
Percent of labor force	12.7	16.3	10.8	15.4	11.4	14.1	33.8	40.6
Not in labor force	9,662	9,033	2,213	2,222	4,724	4,925	1,725	1,886



## 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 1982								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
<b>TOTAL</b>									
Total noninstitutional population	24,834	12,565	12,269	20,656	10,494	10,172	4,168	2,070	2,097
Total labor force	14,457	7,859	6,597	12,715	6,860	5,855	1,742	1,000	743
Percent of population	58.2	62.6	53.8	61.5	55.4	57.5	41.8	48.3	35.4
Civilian labor force	13,755	7,225	6,529	12,133	6,375	5,808	1,572	950	722
Employed	11,066	5,699	5,366	10,054	5,160	4,894	1,012	539	472
Agriculture	448	374	74	422	349	73	26	25	1
Nonagricultural industries	10,618	5,326	5,292	9,632	4,811	4,820	986	514	472
Unemployed	2,689	1,526	1,163	2,129	1,215	914	560	311	249
Looking for full-time work	1,723	1,020	709	1,330	799	531	399	221	178
Looking for part-time work	961	506	454	799	416	382	162	90	72
Percent of labor force	19.6	21.1	17.8	17.5	19.1	15.7	35.6	36.6	34.6
Not in labor force	10,377	4,705	5,672	7,951	3,634	4,317	2,426	1,071	1,355
<b>Major activity: going to school</b>									
Civilian labor force	4,125	2,090	2,036	3,732	1,875	1,827	424	215	209
Employed	3,175	1,567	1,609	2,936	1,457	1,479	239	110	129
Agriculture	141	119	22	137	116	22	3	3	--
Nonagricultural industries	3,035	1,448	1,587	2,799	1,341	1,458	236	107	129
Unemployed	951	523	427	756	418	348	185	105	80
Looking for full-time work	189	107	81	131	72	59	57	35	22
Looking for part-time work	763	416	346	635	346	289	127	70	57
Percent of labor force	23.0	25.0	21.0	20.7	22.3	19.0	43.5	48.8	38.1
Not in labor force	7,677	3,887	3,790	5,932	3,037	2,866	1,774	850	924
<b>Major activity: other</b>									
Civilian labor force	9,629	5,135	4,493	8,480	4,500	3,980	1,148	635	513
Employed	7,890	4,132	3,758	7,118	3,703	3,415	772	429	343
Agriculture	337	255	52	285	233	52	22	22	1
Nonagricultural industries	7,583	3,878	3,705	6,833	3,470	3,363	750	408	343
Unemployed	1,738	1,003	736	1,363	797	566	376	206	170
Looking for full-time work	1,540	913	627	1,139	727	472	341	186	155
Looking for part-time work	198	90	108	153	70	94	35	20	15
Percent of labor force	18.1	19.5	16.4	16.1	17.7	14.2	32.7	32.4	33.1
Not in labor force	2,700	818	1,882	2,049	598	1,452	651	220	431

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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 1982								
	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	92,121	73,200	5,563	8,359	9.1	16,693	15,095	1,598	9.6
16 to 21 years	8,002	5,255	1,018	1,729	21.6	5,753	4,792	961	16.7
16 to 19 years	3,476	1,983	546	947	27.2	4,485	3,653	831	18.5
16 to 17 years	556	258	117	181	32.6	2,558	1,977	580	22.7
18 to 19 years	2,920	1,725	430	765	25.2	1,927	1,676	251	13.0
20 years and over	88,645	76,217	5,016	7,412	8.4	12,208	11,441	767	6.3
20 to 24 years	13,260	10,139	1,095	2,026	15.3	2,469	2,254	214	8.7
25 years and over	75,385	66,078	3,922	5,385	7.1	9,739	9,187	552	5.7
25 to 54 years	63,288	55,257	3,276	4,755	7.5	6,676	6,285	390	5.8
55 years and over	12,098	10,821	645	631	5.2	3,063	2,902	162	5.3
Males, 16 years and over	56,362	48,432	2,783	5,147	9.1	5,412	4,708	703	13.0
16 to 21 years	4,496	2,957	520	1,020	22.7	2,729	2,223	506	18.6
16 to 19 years	1,966	1,132	276	559	28.4	2,220	1,780	441	19.8
20 years and over	54,395	47,301	2,507	4,588	8.4	3,191	2,928	263	8.2
20 to 24 years	7,428	5,584	601	1,243	16.7	970	875	95	9.8
25 years and over	46,967	41,717	1,905	3,344	7.1	2,222	2,053	168	7.6
25 to 54 years	39,171	34,641	1,593	2,937	7.5	941	858	83	8.8
55 years and over	7,796	7,076	312	408	5.2	1,281	1,195	84	6.6
Females, 16 years and over	35,760	29,769	2,780	3,212	9.0	11,281	10,386	895	7.9
16 to 21 years	3,505	2,299	498	709	20.2	3,024	2,570	454	15.0
16 to 19 years	1,510	851	270	388	25.7	2,264	1,874	391	17.3
20 years and over	34,250	28,917	2,510	2,824	8.2	9,017	8,513	504	5.6
20 to 24 years	5,831	4,555	493	783	13.4	1,498	1,379	120	8.0
25 years and over	28,418	24,361	2,016	2,041	7.2	7,519	7,134	384	5.1
25 to 54 years	24,116	20,616	1,683	1,818	7.5	5,736	5,428	307	5.4
55 years and over	4,302	3,745	333	223	5.2	1,783	1,706	77	4.3
<b>White</b>									
Males, 16 years and over	49,846	43,423	2,354	4,068	8.2	4,827	4,262	566	11.7
16 to 21 years	3,896	2,662	435	799	20.5	2,479	2,063	416	16.8
16 to 19 years	1,704	1,032	231	441	25.9	2,036	1,668	368	18.1
20 years and over	48,142	42,392	2,124	3,627	7.5	2,791	2,593	198	7.1
20 to 24 years	6,463	4,992	502	970	15.0	842	771	71	8.4
25 years and over	41,678	37,399	1,622	2,657	6.4	1,948	1,822	127	6.5
25 to 54 years	34,577	30,901	1,350	2,326	6.7	802	734	68	8.5
55 years and over	7,101	6,498	273	330	4.5	1,146	1,088	59	5.1
Females, 16 years and over	30,230	25,530	2,331	2,370	7.8	10,349	9,609	740	7.1
16 to 21 years	3,042	2,071	440	531	17.5	2,766	2,383	382	13.8
16 to 19 years	1,339	790	249	300	22.4	2,076	1,735	341	16.4
20 years and over	28,891	24,740	2,082	2,070	7.2	8,273	7,874	399	4.8
20 to 24 years	5,005	4,028	417	561	11.2	1,342	1,256	85	6.4
25 years and over	23,887	20,712	1,665	1,509	6.3	6,932	6,619	313	4.5
25 to 54 years	20,078	17,376	1,385	1,317	6.6	5,325	5,077	248	4.7
55 years and over	3,809	3,336	281	192	5.0	1,607	1,542	65	4.0
<b>Black and other</b>									
Males, 16 years and over	6,516	5,009	428	1,079	16.6	584	447	138	23.6
16 to 21 years	600	295	85	221	36.8	250	160	90	36.0
16 to 19 years	263	100	45	117	44.7	184	112	73	39.5
20 years and over	6,253	4,909	383	961	15.4	400	335	65	16.3
20 to 24 years	966	592	130	274	28.4	128	104	24	18.9
25 years and over	5,288	4,317	283	688	13.0	271	231	41	15.1
25 to 54 years	4,593	3,740	244	611	13.3	137	123	15	10.9
55 years and over	695	577	39	77	11.1	134	108	26	19.4
Females, 16 years and over	5,530	4,238	449	842	15.2	932	777	155	16.6
16 to 21 years	463	228	58	178	38.3	258	186	72	27.8
16 to 19 years	171	62	22	88	51.4	188	139	50	26.4
20 years and over	5,359	4,177	428	754	14.1	744	638	105	14.2
20 to 24 years	827	528	77	222	26.8	157	123	34	21.8
25 years and over	4,532	3,649	351	532	11.7	587	516	71	12.1
25 to 54 years	4,039	3,240	298	501	12.4	411	352	59	14.4
55 years and over	494	409	53	31	6.3	176	164	12	6.8

<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 1982									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
<b>Total, 16 years and over</b> .....	108,814	63.3	98,858	9,957	9.2	63,030	32,004	9,456	2,608	18,962
Husbands .....	39,546	80.0	37,137	2,409	6.1	9,885	89	220	936	8,641
With employed wife .....	21,681	91.6	20,522	1,159	5.3	1,977	44	139	321	1,473
With unemployed wife .....	1,630	93.3	1,329	301	18.5	117	-	5	27	85
With wife not in labor force .....	16,235	67.6	15,286	949	5.8	7,791	45	76	588	7,083
Wives .....	25,405	51.4	23,658	1,747	6.9	24,026	21,291	359	284	2,091
With employed husband .....	21,851	58.8	20,522	1,329	6.1	15,286	14,100	284	94	808
With unemployed husband .....	1,460	60.6	1,159	301	20.6	949	873	32	9	35
With husband not in labor force .....	2,094	21.2	1,977	117	5.6	7,791	6,319	43	181	1,248
Relatives in married-couple families .....	13,024	59.2	10,797	2,227	17.1	8,971	957	5,997	268	1,749
16 to 19 years .....	5,355	50.1	4,244	1,111	20.7	5,338	175	4,497	13	652
20 to 24 years .....	4,938	72.3	4,224	714	14.5	1,888	179	1,373	32	303
25 years and over .....	2,731	61.0	2,329	402	14.7	1,745	602	127	223	794
Females who maintain families .....	5,751	60.1	5,120	631	11.0	3,824	2,928	144	130	622
Relatives in families maintained by females .....	4,666	55.2	3,572	1,094	23.4	3,787	784	1,705	232	1,065
16 to 19 years .....	1,369	44.2	958	412	30.1	1,731	97	1,361	10	263
20 to 24 years .....	1,502	70.0	1,111	391	26.0	643	132	297	25	189
25 years and over .....	1,795	56.0	1,503	291	16.2	1,413	555	47	197	613
Males who maintain families .....	1,923	76.4	1,736	187	9.7	594	35	48	70	440
Relatives in families maintained by males .....	1,520	58.8	1,296	224	14.7	1,064	440	284	58	283
16 to 19 years .....	309	53.1	240	70	22.5	273	25	197	-	50
20 to 24 years .....	436	75.9	365	71	16.2	138	37	74	-	27
25 years and over .....	775	54.3	691	83	10.7	653	378	13	58	206
Persons living alone .....	10,521	53.8	9,818	703	6.7	9,025	4,841	257	518	3,410
Males .....	5,472	71.6	5,013	460	8.4	2,169	114	166	207	1,683
Females .....	5,049	42.4	4,805	244	4.8	6,856	4,727	91	312	1,727
All others <sup>1</sup> .....	6,458	77.2	5,724	735	11.4	1,854	639	442	112	661

<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. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982
<b>Total, 16 years and over</b> .....	4,253	5,850	6.9	9.5	3,298	4,107	7.1	8.7
Married, spouse present .....	1,611	2,542	4.0	5.3	1,372	1,840	5.4	7.1
Widowed, divorced, or separated .....	487	654	9.0	11.9	647	814	7.1	8.8
Single (never married) .....	2,165	2,654	14.0	15.9	1,279	1,453	10.9	12.1
<b>Whites, 16 years and over</b> .....	3,374	4,633	6.2	8.5	2,477	3,110	6.2	7.7
Married, spouse present .....	1,354	2,136	3.7	5.8	1,138	1,515	5.0	6.6
Widowed, divorced, or separated .....	381	475	8.5	10.4	440	575	6.0	7.7
Single (never married) .....	1,638	2,023	12.4	15.1	898	1,020	9.1	10.1
<b>Black and other, 16 years and over</b> .....	889	1,216	12.7	17.1	821	997	12.7	15.4
Married, spouse present .....	256	406	6.8	10.5	234	325	8.6	11.7
Widowed, divorced, or separated .....	106	179	11.0	18.7	206	239	11.3	13.8
Single (never married) .....	527	631	23.3	27.8	381	433	20.0	22.2
<b>Total, 20 to 64 years of age</b> .....	3,348	4,770	6.1	8.6	2,542	3,285	6.2	7.8
Married, spouse present .....	1,555	2,460	4.0	5.3	1,295	1,743	5.2	7.0
Widowed, divorced, or separated .....	475	619	9.3	11.8	610	782	7.3	9.1
Single (never married) .....	1,317	1,690	12.0	14.6	637	760	8.0	8.9
<b>Whites, 20 to 64 years of age</b> .....	2,668	3,763	5.5	7.6	1,861	2,432	5.3	6.7
Married, spouse present .....	1,314	2,072	3.7	5.9	1,076	1,434	4.9	6.4
Widowed, divorced, or separated .....	372	451	8.9	10.4	409	546	6.2	7.9
Single (never married) .....	982	1,242	10.5	12.7	376	451	5.8	6.5
<b>Black and other, 20 to 64 years of age</b> .....	680	1,005	10.8	15.5	681	854	11.5	14.3
Married, spouse present .....	241	389	6.5	10.4	219	311	8.2	11.4
Widowed, divorced, or separated .....	103	168	11.2	18.5	201	236	11.6	14.2
Single (never married) .....	336	448	19.5	24.5	261	308	17.4	19.2

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982
Total, 16 years and over	7,561	9,957	7.0	9.2	6.9	9.5	7.1	8.7
White-collar workers	1,963	2,478	3.6	4.4	2.6	3.5	4.4	5.2
Professional and technical	434	474	2.5	2.7	2.3	2.3	3.0	3.2
Managers and administrators, except farm	271	368	2.3	3.2	1.8	2.9	3.3	3.7
Sales workers	256	369	3.9	5.3	3.0	4.8	5.0	5.9
Clerical workers	1,033	1,267	5.1	6.5	4.9	6.7	5.1	6.4
Blue-collar workers	3,423	4,746	9.9	13.9	9.3	13.3	12.5	16.2
Craft and kindred workers	973	1,371	7.1	9.9	7.2	9.9	4.9	9.8
Carpenters and other construction craft workers	516	653	12.3	15.4	12.4	15.3	9.3	(1)
All other	457	718	4.8	7.5	4.8	7.4	4.5	9.0
Operatives, except transport	1,382	1,939	11.5	15.9	9.7	16.2	14.4	18.0
Transport equipment operatives	329	434	8.7	11.4	9.0	11.9	5.1	6.3
Nonfarm laborers	739	1,002	14.1	19.3	14.3	19.6	11.9	17.2
Construction laborers	244	321	24.1	33.5	23.2	33.6	(1)	(1)
All other	495	681	11.7	15.1	12.0	16.0	10.0	16.6
Service workers	1,174	1,588	8.3	13.4	8.7	11.4	7.5	9.8
Private household	63	58	5.9	5.6	(1)	(1)	6.2	5.8
All other	1,111	1,530	8.1	10.8	8.8	11.5	7.7	10.3
Farm workers	113	160	4.3	5.0	3.7	5.5	5.6	8.4
No previous work experience	887	985	--	--	--	--	--	--
16 to 19 years	698	740	--	--	--	--	--	--
20 to 24 years	123	172	--	--	--	--	--	--
25 years and over	77	74	--	--	--	--	--	--

<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. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982
Total, 16 years and over	100.0	100.0	7.0	9.2	6.9	9.5	7.1	8.7
Nonagricultural private wage and salary workers	75.4	78.5	7.2	9.8	7.2	10.3	7.2	9.0
Mining	.8	1.3	5.4	11.2	6.1	11.8	1.6	7.6
Construction	10.9	11.1	16.1	21.5	16.6	22.4	11.5	12.1
Manufacturing	23.4	25.6	7.7	11.3	6.2	10.2	10.6	13.6
Durable goods	13.7	15.8	7.5	11.8	6.6	11.2	10.1	13.4
Lumber and wood products	1.2	1.1	13.5	17.0	13.2	17.9	15.1	12.2
Furniture and fixtures	.4	.8	6.0	16.0	4.7	15.0	8.9	18.0
Stone, clay, and glass products	.9	.7	8.5	11.3	8.2	9.9	10.0	15.9
Primary metal industries	1.2	1.8	7.2	15.4	6.7	15.1	11.1	17.2
Fabricated metal products	1.7	2.3	8.0	15.5	6.8	14.5	11.8	18.8
Machinery, except electrical equipment	2.0	2.5	5.1	8.6	4.7	8.6	6.5	8.8
Electrical equipment	2.4	1.9	7.2	7.8	4.5	6.4	10.7	9.8
Transportation equipment	2.8	3.1	9.5	14.3	8.7	13.3	13.5	19.2
Automobiles	2.1	2.1	13.2	19.8	11.4	18.1	22.7	29.0
Other transportation equipment	.7	1.0	5.2	9.0	5.4	8.5	3.9	10.6
Instruments and related products	.4	.4	5.4	7.4	3.3	4.6	8.5	12.0
Other durable goods industries	.8	1.0	7.3	13.3	6.4	10.2	9.9	17.7
Nondurable goods	9.6	9.8	7.3	10.7	5.6	8.3	11.0	13.8
Food and kindred products	2.5	2.2	9.7	11.5	6.4	8.5	16.9	18.7
Textile mill products	1.2	1.0	10.4	12.4	11.6	11.4	9.4	13.1
Apparel and other textile products	1.8	2.5	9.3	18.1	5.3	17.2	11.1	18.3
Paper and allied products	.5	.4	5.3	6.2	3.3	5.4	11.0	8.7
Printing and publishing	1.2	1.0	5.5	6.2	4.3	6.9	7.3	5.1
Chemicals and allied products	.9	1.0	4.3	7.6	3.4	6.4	8.5	10.8
Rubber and plastics products	.9	.9	9.1	12.1	7.9	8.3	11.2	17.5
Other nondurable goods industries	.7	.7	9.2	10.7	6.3	9.7	12.8	12.3
Transportation and public utilities	3.9	3.9	5.2	6.5	5.4	7.0	4.6	5.6
Railroads and railway express	.4	.7	5.9	13.3	6.1	13.5	(1)	(1)
Other transportation	2.6	2.4	7.2	8.9	7.3	9.6	7.1	6.4
Communication and other public utilities	.9	.8	2.9	3.0	2.7	2.0	3.2	4.9
Wholesale and retail trade	18.8	19.5	7.2	9.7	6.7	9.2	7.8	10.2
Finance, insurance, and real estate	2.3	2.2	3.1	3.7	2.6	3.4	3.3	3.9
Service industries	15.3	14.9	6.2	7.5	6.8	8.3	5.9	7.0
Professional services	6.0	5.4	4.1	4.7	3.5	3.7	4.4	5.1
All other service industries	9.3	9.5	9.2	11.5	9.8	12.2	8.6	10.7
Agricultural wage and salary workers	2.0	2.3	9.5	14.7	9.4	14.3	9.7	16.3
All other classes of workers	10.8	9.3	3.1	3.5	3.0	3.5	3.3	3.6
No previous work experience	11.7	9.9	--	--	--	--	--	--

<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. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed, in thousands	7,561	9,957	3,403	4,851	2,593	3,323	1,565	1,778	5,851	7,743	1,710	2,213
Job losers	4,026	6,000	2,429	3,788	1,244	1,759	353	453	3,199	4,735	827	1,264
On layoff	1,304	1,950	816	1,237	412	629	75	95	1,125	1,685	178	275
Other job losers	2,722	4,040	1,613	2,551	832	1,130	277	358	2,074	3,050	649	989
Job leavers	806	838	349	320	348	393	103	125	642	700	163	139
Reentrants	1,843	2,139	537	657	889	1,017	417	465	1,377	1,556	466	592
New entrants	886	980	88	85	111	160	687	735	632	752	254	229
<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	53.2	60.3	71.4	78.1	48.0	52.9	22.5	25.5	54.6	61.2	48.3	57.1
On layoff	17.2	19.7	24.0	25.5	15.9	18.9	4.3	5.3	19.2	21.8	10.4	12.4
Other job losers	36.0	40.6	47.4	52.6	32.1	34.0	17.7	20.2	35.4	39.4	37.9	44.7
Job leavers	10.7	8.4	10.3	6.6	13.4	11.8	6.9	7.0	11.0	9.0	9.6	6.2
Reentrants	24.4	21.5	15.8	13.5	34.3	30.5	25.7	26.1	23.5	20.1	27.3	26.3
New entrants	11.7	9.8	2.6	1.8	4.3	4.8	43.3	41.4	10.8	9.7	14.8	10.3
<b>UNEMPLOYMENT RATE</b>												
Total unemployment rate	7.0	9.2	6.0	8.4	6.1	7.7	18.2	22.3	6.2	8.1	12.7	16.3
Job leaver rate <sup>1</sup>	3.7	5.5	4.2	6.5	3.0	4.1	4.1	5.7	3.4	5.0	6.1	9.3
Job loser rate <sup>1</sup>	.7	.8	.5	.6	.9	.9	1.3	1.6	.7	.7	1.2	1.0
Reentrant rate <sup>1</sup>	1.7	2.0	.9	1.1	2.1	2.3	4.3	5.8	1.5	1.6	3.5	4.3
New entrant rate <sup>1</sup>	.8	.9	.2	.1	.3	.4	8.0	9.2	.7	.8	1.9	1.7

<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 1982						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
<b>Total, 16 years and over</b>	9,957	100.0	34.8	29.6	36.6	20.0	16.5
Job losers	6,000	100.0	27.4	29.4	43.2	24.5	18.7
On layoff	1,950	100.0	39.2	25.2	34.7	24.0	10.7
Other job losers	4,040	100.0	21.7	31.0	47.3	24.8	22.5
Job leavers	838	100.0	42.7	29.2	29.1	15.1	14.0
Reentrants	2,139	100.0	43.4	29.0	28.6	14.4	14.2
New entrants	980	100.0	54.3	25.7	20.0	9.2	10.8
<b>Males, 20 years and over</b>	4,851	100.0	26.8	29.3	44.9	24.4	20.4
Job losers	3,788	100.0	24.6	28.7	46.8	26.5	20.3
On layoff	1,237	100.0	37.1	25.0	37.9	26.3	11.6
Other job losers	2,551	100.0	18.5	33.5	51.1	26.5	24.5
Job leavers	320	100.0	33.6	29.4	38.0	16.6	21.4
Reentrants	657	100.0	35.5	27.8	36.6	15.8	20.8
New entrants	85	100.0	33.2	17.4	49.4	31.1	18.3
<b>Females, 20 years and over</b>	3,328	100.0	39.4	28.8	31.7	17.4	14.4
Job losers	1,759	100.0	30.7	30.5	38.8	21.2	17.6
On layoff	629	100.0	40.5	29.1	33.4	20.6	9.8
Other job losers	1,130	100.0	25.2	31.3	43.5	21.5	22.0
Job leavers	393	100.0	50.9	25.4	23.8	13.8	9.9
Reentrants	1,017	100.0	48.3	27.6	24.1	13.2	10.9
New entrants	160	100.0	50.7	27.5	21.8	10.9	10.9
<b>Both sexes, 16 to 19 years</b>	1,778	100.0	47.9	29.1	23.0	13.0	10.0
Job losers	453	100.0	38.5	31.3	30.2	21.4	8.8
On layoff	95	100.0	57.7	21.8	23.5	16.6	3.9
Other job losers	358	100.0	33.4	33.9	32.8	22.6	10.1
Job leavers	125	100.0	40.0	37.0	22.9	15.3	7.6
Reentrants	465	100.0	43.9	29.2	27.3	14.9	12.1
New entrants	735	100.0	57.6	25.3	16.2	6.3	9.9

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

Sex, age, and race	April 1992								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	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> .....	9,957	7,394	24.8	5.1	77.3	35.3	17.3	5.3	1.65
16 to 19 years .....	1,778	1,556	14.2	2.5	83.6	27.9	13.5	3.6	1.45
20 to 24 years .....	2,240	1,803	27.1	4.7	78.9	34.6	18.3	4.4	1.68
25 to 34 years .....	2,856	2,135	28.6	6.1	74.6	41.2	19.1	5.3	1.75
35 to 44 years .....	1,408	1,067	30.3	6.2	79.0	35.5	16.1	5.2	1.73
45 to 54 years .....	881	644	26.6	6.5	73.0	37.7	19.7	6.8	1.70
55 to 64 years .....	669	485	22.7	7.0	65.6	35.7	20.0	10.1	1.61
65 years and over .....	124	95	20.0	4.2	71.6	22.1	10.5	4.2	1.33
<b>Males, 16 years and over</b> .....	5,850	4,489	26.8	5.3	78.7	33.5	19.5	6.1	1.70
16 to 19 years .....	999	919	15.9	2.9	83.2	23.5	12.8	3.5	1.44
20 to 24 years .....	1,338	1,037	29.2	4.9	80.2	32.3	21.7	4.7	1.73
25 to 34 years .....	1,716	1,218	30.5	5.5	76.8	40.4	22.2	5.7	1.81
35 to 44 years .....	803	591	33.7	7.8	80.2	35.0	18.4	8.1	1.84
45 to 54 years .....	501	352	27.8	7.7	77.3	35.8	21.3	9.4	1.79
55 to 64 years .....	411	308	23.7	5.8	65.9	29.9	22.4	13.3	1.61
65 years and over .....	81	65	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>Females, 16 years and over</b> .....	4,107	3,405	22.1	4.9	75.5	37.6	14.4	4.1	1.59
16 to 19 years .....	779	747	12.0	2.0	83.9	30.9	14.3	3.7	1.47
20 to 24 years .....	902	766	24.2	4.4	77.2	37.7	13.6	3.9	1.61
25 to 34 years .....	1,140	917	26.2	6.9	71.5	42.3	14.7	4.8	1.66
35 to 44 years .....	605	476	25.8	4.4	77.5	35.1	13.0	3.6	1.59
45 to 54 years .....	380	292	25.0	4.8	67.8	40.1	18.2	3.8	1.60
55 to 64 years .....	258	177	20.9	8.5	65.0	45.8	15.8	4.5	1.60
65 years and over .....	43	29	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>White, 16 years and over</b> .....	7,743	5,964	22.4	4.9	78.3	38.0	17.0	5.1	1.66
Males .....	4,633	3,444	24.3	5.1	79.9	35.9	19.1	6.2	1.70
Females .....	3,110	2,519	19.8	4.7	76.1	40.8	14.1	3.7	1.59
<b>Black and other, 16 years and over</b> .....	2,213	1,931	32.2	5.5	74.4	27.0	18.3	5.8	1.63
Males .....	1,216	1,045	35.0	5.6	74.8	25.9	20.9	6.0	1.68
Females .....	997	386	28.8	5.4	73.8	28.3	15.3	5.5	1.57

<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 1992								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	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> .....	9,957	7,894	24.8	5.1	77.3	35.3	17.3	5.3	1.65
Job losers .....	6,000	4,044	31.1	5.3	77.7	38.0	20.7	5.7	1.78
Job leavers .....	838	845	22.0	7.3	77.9	43.0	13.6	3.4	1.67
Reentrants .....	2,138	2,030	19.6	5.2	72.1	32.7	14.8	6.4	1.51
New entrants .....	980	975	11.7	2.3	86.2	23.0	11.8	2.6	1.37
<b>Males, 16 years and over</b> .....	5,850	4,489	26.8	5.3	78.7	33.5	19.5	6.1	1.70
Job losers .....	4,136	2,814	31.6	5.5	78.6	35.8	21.3	6.7	1.81
Job leavers .....	378	332	22.5	3.1	81.2	39.3	20.2	3.4	1.70
Reentrants .....	860	820	20.9	7.2	72.3	27.7	18.0	7.6	1.54
New entrants .....	476	473	11.8	2.3	88.4	19.7	10.6	2.7	1.36
<b>Females, 16 years and over</b> .....	4,107	3,405	22.1	4.9	75.5	37.6	14.4	4.1	1.59
Job losers .....	1,864	1,230	29.8	4.7	75.5	40.6	19.2	3.6	1.73
Job leavers .....	461	463	21.8	10.8	75.2	46.2	8.2	3.7	1.66
Reentrants .....	1,278	1,211	18.7	3.9	72.1	36.0	12.6	5.7	1.49
New entrants .....	504	501	11.6	2.2	84.2	26.1	13.0	2.4	1.40

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. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982
Total, 16 years and over	7,561	9,957	100.0	100.0	6,234	8,359	100.0	100.0
Less than 5 weeks	2,791	3,453	36.9	34.8	2,064	2,577	33.3	30.8
5 to 14 weeks	2,127	2,851	28.1	28.5	1,718	2,407	27.7	28.8
15 weeks and over	2,643	3,642	35.0	36.5	2,421	3,375	39.0	40.4
5 to 10 weeks	1,527	1,883	20.2	18.9	1,225	1,567	19.7	18.7
11 to 14 weeks	600	968	7.9	9.7	493	840	7.9	10.0
15 to 26 weeks	1,399	1,996	18.5	20.0	1,279	1,857	20.6	22.2
27 to 51 weeks	1,244	1,646	16.5	16.5	1,142	1,518	18.4	18.2
52 weeks and over	562	723	7.4	7.3	526	672	8.5	8.0
Average (mean) duration, in weeks	15.4	16.0	--	--	15.9	17.2	--	--
Median duration, in weeks	8.8	9.8	--	--	10.0	11.2	--	--

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

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982
	April 1982										
Total, 16 years and over	9,957	3,463	2,851	1,996	1,546	16.0	9.3	36.9	34.8	35.0	36.6
16 to 21 years	2,689	1,196	793	417	283	11.7	6.5	45.0	44.5	27.9	29.6
16 to 19 years	1,778	851	517	232	178	10.7	5.5	49.0	47.9	25.3	23.0
20 to 24 years	2,240	770	678	482	310	15.1	9.8	35.6	34.4	34.5	35.4
25 to 34 years	2,856	898	795	618	546	17.5	11.1	35.2	31.4	36.9	40.7
35 to 44 years	1,408	448	398	276	286	17.7	11.3	30.8	31.8	39.1	39.9
45 to 54 years	881	251	258	206	166	17.8	11.3	33.4	28.5	40.1	42.2
55 to 64 years	669	198	170	152	148	19.8	12.9	26.8	29.7	44.7	44.9
65 years and over	124	46	36	31	11	14.9	8.5	34.0	37.2	39.1	33.9
Males, 16 years and over	5,850	1,761	1,657	1,334	1,098	17.7	11.5	32.2	30.1	40.8	41.6
16 to 21 years	1,526	623	452	274	178	12.8	7.8	40.1	40.9	32.1	29.6
16 to 19 years	999	461	282	148	108	11.3	6.1	43.1	46.2	28.0	25.6
20 to 24 years	1,338	371	425	327	216	17.3	11.6	31.9	27.7	41.2	40.6
25 to 34 years	1,716	449	466	418	382	19.6	13.7	30.2	26.2	43.7	46.6
35 to 44 years	803	216	221	188	177	19.5	13.2	26.5	26.9	46.6	45.5
45 to 54 years	501	131	144	119	106	19.5	11.8	27.3	26.2	45.8	45.0
55 to 64 years	411	106	90	113	102	21.9	16.0	23.9	25.9	49.9	52.3
65 years and over	81	26	28	20	7	15.0	9.3	(1)	31.8	(1)	33.3
Females, 16 years and over	4,107	1,702	1,195	662	548	13.4	7.5	43.1	41.4	27.3	29.5
16 to 21 years	1,163	573	341	143	106	10.3	5.2	51.2	49.3	22.5	21.4
16 to 19 years	779	390	235	84	70	10.0	5.0	56.2	50.1	21.9	19.8
20 to 24 years	902	333	253	155	95	11.9	7.1	40.9	44.3	24.8	27.7
25 to 34 years	1,140	449	328	199	164	14.4	8.1	41.5	39.4	28.5	31.8
35 to 44 years	605	231	176	88	109	15.4	9.1	36.0	38.3	30.1	32.6
45 to 54 years	380	120	114	86	60	15.7	10.9	40.8	31.5	33.2	38.5
55 to 64 years	258	92	80	40	46	16.4	9.5	30.8	35.7	37.2	33.1
65 years and over	43	20	8	11	4	14.7	7.2	(1)	(1)	(1)	(1)
White, 16 years and over	7,743	2,759	2,209	1,578	1,197	15.3	9.5	37.6	35.6	33.5	35.8
Males	4,633	1,459	1,318	1,067	790	16.3	10.9	32.6	31.5	40.0	40.1
Females	3,110	1,300	892	512	407	13.2	7.4	44.4	41.8	24.8	29.5
Black and other, 16 years and over	2,213	704	642	418	449	18.1	11.0	34.6	31.8	39.8	39.2
Males	1,216	302	339	267	308	21.4	13.9	30.6	24.8	44.2	47.3
Females	997	402	303	151	141	14.1	8.1	38.9	40.3	35.1	29.3
Males, 16 years and over:											
Married, spouse present	2,542	698	750	634	460	18.3	12.3	25.8	27.5	49.3	43.0
Widowed, divorced, or separated	654	157	172	161	154	20.5	14.8	34.1	24.1	36.0	49.5
Single (never married)	2,654	305	735	539	475	16.5	10.1	36.5	34.1	35.6	38.2
Females, 16 years and over:											
Married, spouse present	1,840	742	539	306	252	13.6	8.0	40.3	40.3	25.7	30.3
Widowed, divorced, or separated	814	322	229	152	111	14.2	8.4	38.2	39.5	32.8	32.3
Single (never married)	1,453	638	426	204	186	12.7	6.4	48.5	43.9	26.4	26.8

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

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

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 20 weeks	27 weeks and over			Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982
	April 1982										
<b>OCCUPATION</b>											
White-collar workers .....	2,478	384	776	434	334	10.6	9.1	36.7	35.7	31.5	33.0
Professional and managerial .....	842	296	227	146	175	16.7	10.3	36.0	35.2	31.6	38.0
Sales workers .....	369	137	122	85	24	12.2	8.6	34.5	37.3	36.7	29.6
Clerical workers .....	1,267	451	427	203	185	13.9	8.7	37.6	35.6	30.1	30.7
Blue-collar workers .....	4,746	1,421	1,311	1,145	869	17.7	11.8	31.7	29.9	42.3	42.4
Craft and kindred workers .....	1,371	389	400	353	229	17.0	12.3	29.2	28.3	43.3	42.4
Operatives, except transport .....	1,939	620	586	398	334	17.1	10.5	33.1	32.0	40.4	37.8
Transport equipment operatives .....	434	108	98	117	111	20.3	16.1	27.7	24.9	51.2	52.6
Nonfarm laborers .....	1,002	304	227	276	195	18.9	13.2	34.3	30.3	40.5	47.0
Service workers .....	1,588	550	474	288	265	15.8	9.3	41.8	35.3	26.0	34.9
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	230	72	64	64	33	15.8	10.5	44.8	31.3	31.4	40.7
Construction .....	1,141	309	297	349	185	17.2	13.8	28.7	27.1	42.9	46.9
Manufacturing .....	2,552	788	743	558	464	17.5	11.0	31.2	30.9	42.4	40.0
Durable goods .....	1,573	459	454	363	296	18.1	11.7	26.1	29.2	45.9	41.9
Nondurable goods .....	979	329	288	194	168	16.6	10.2	38.7	33.5	37.3	37.0
Transportation and public utilities .....	414	137	108	96	73	16.9	10.5	38.9	33.1	37.7	40.8
Wholesale and retail trade .....	1,959	674	661	347	278	14.5	9.1	36.1	34.4	30.9	31.9
Finance and service industries .....	2,068	746	578	355	383	15.9	9.2	39.5	36.1	32.0	36.0
Public administration .....	291	100	41	71	80	21.9	15.9	34.2	34.2	42.1	51.8
No previous work experience .....	985	538	252	90	106	11.2	4.5	50.8	54.6	26.5	19.9

<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. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982
<b>All industries .....</b>	<b>100,345</b>	<b>98,858</b>	<b>57,281</b>	<b>55,924</b>	<b>43,064</b>	<b>42,934</b>
16 to 19 years .....	7,046	6,183	3,730	3,188	3,315	2,995
16 to 17 years .....	2,750	2,352	1,449	1,255	1,301	1,097
18 to 19 years .....	4,296	3,831	2,282	1,933	2,014	1,899
20 to 24 years .....	13,930	13,488	7,370	7,060	6,561	6,428
25 to 54 years .....	64,699	64,818	37,345	37,091	27,353	27,726
25 to 34 years .....	23,232	28,122	15,260	16,019	11,972	12,103
35 to 44 years .....	23,011	20,723	11,525	11,824	8,486	8,899
45 to 54 years .....	16,457	15,973	9,561	9,248	6,895	6,724
55 to 64 years .....	11,650	11,447	5,970	6,797	4,680	4,650
55 to 59 years .....	7,194	7,064	4,306	4,176	2,888	2,888
60 to 64 years .....	4,456	4,384	2,665	2,621	1,792	1,763
65 years and over .....	3,019	2,921	1,864	1,787	1,155	1,134
<b>Nonagricultural industries .....</b>	<b>97,032</b>	<b>95,686</b>	<b>54,581</b>	<b>53,341</b>	<b>42,447</b>	<b>42,345</b>
16 to 19 years .....	6,657	5,894	3,399	2,937	3,258	2,957
16 to 17 years .....	2,558	2,213	1,283	1,135	1,276	1,079
18 to 19 years .....	4,099	3,681	2,117	1,803	1,982	1,878
20 to 24 years .....	13,539	13,114	7,039	6,764	6,500	6,350
25 to 54 years .....	62,981	63,061	36,002	35,700	26,979	27,361
25 to 34 years .....	27,565	27,339	15,725	15,394	11,840	11,945
35 to 44 years .....	19,463	20,221	11,117	11,430	8,346	8,790
45 to 54 years .....	15,953	15,502	9,160	8,877	6,793	6,625
55 to 64 years .....	11,163	10,985	5,563	6,417	4,599	4,568
55 to 59 years .....	5,931	6,824	4,092	3,987	2,839	2,837
60 to 64 years .....	4,231	4,161	2,471	2,430	1,760	1,731
65 years and over .....	2,692	2,631	1,581	1,522	1,110	1,109
<b>Agriculture .....</b>	<b>3,313</b>	<b>3,172</b>	<b>2,697</b>	<b>2,582</b>	<b>616</b>	<b>589</b>
16 to 19 years .....	338	289	331	250	57	38
16 to 17 years .....	191	138	166	120	25	18
18 to 19 years .....	197	150	165	130	32	20
20 to 24 years .....	391	374	331	297	60	78
25 to 54 years .....	1,719	1,756	1,344	1,391	374	366
25 to 34 years .....	667	784	535	626	132	158
35 to 44 years .....	548	502	408	393	139	109
45 to 54 years .....	504	470	401	371	103	99
55 to 64 years .....	487	462	407	380	80	82
55 to 59 years .....	262	240	214	189	49	50
60 to 64 years .....	225	223	193	191	32	32
65 years and over .....	327	290	283	265	45	25



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

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 16-19 years		Females, 16-19 years	
	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982
	<b>TOTAL</b>	100,345	98,858	53,551	52,736	39,748	39,939	3,730	3,188	3,315
<b>White-collar workers</b>	52,874	53,209	23,792	24,141	26,727	26,930	640	525	1,715	1,613
Professional and technical	16,377	17,046	8,967	9,347	7,232	7,549	93	71	85	73
Health workers	3,089	3,249	979	1,083	2,086	2,154	5	1	17	13
Teachers, except college	3,297	3,379	986	993	2,297	2,359	5	7	9	15
Other professional and technical	9,991	10,418	7,002	7,269	2,843	3,036	82	63	59	50
Managers and administrators, except farm	11,417	11,305	8,281	8,136	3,049	3,086	50	45	36	38
Salaried workers	9,461	9,469	6,812	5,800	2,564	2,593	49	40	34	37
Self-employed workers in retail trade	865	826	554	522	303	300	1	2	2	2
Self-employed workers, except retail trade	1,090	1,010	915	813	176	194	--	3	--	--
Sales workers	6,251	6,557	3,238	3,355	2,434	2,594	210	210	370	397
Retail trade	3,121	3,287	999	1,041	1,649	1,734	140	156	332	356
Other industries	3,130	3,269	2,238	2,315	784	860	70	54	37	41
Clerical workers	18,829	18,302	3,306	3,302	14,012	13,701	286	199	1,225	1,100
Stenographers, typists, and secretaries	5,189	4,848	97	65	4,821	4,500	4	8	267	275
Other clerical workers	13,640	13,454	3,209	3,237	9,191	9,201	282	191	958	825
<b>Blue-collar workers</b>	31,215	29,490	23,533	22,411	5,466	5,257	1,912	1,584	304	238
Craft and kindred workers	12,751	12,430	11,583	11,317	763	803	380	284	25	25
Carpenters	1,154	1,142	1,081	1,090	26	15	45	37	2	--
Construction craft workers, except carpenters	2,514	2,457	2,413	2,355	39	40	61	62	2	1
Mechanics and repairers	3,456	3,376	3,236	3,213	63	56	157	108	2	--
Metal craft workers	1,373	1,193	1,281	1,119	61	38	32	28	--	--
Blue-collar worker supervisors, not elsewhere classified	1,779	1,734	1,583	1,533	179	194	13	4	4	4
All other	2,475	2,538	1,990	2,008	397	461	71	48	17	20
Operatives, except transport	10,501	9,514	5,814	5,222	3,977	3,745	547	412	163	135
Durable goods manufacturing	4,610	4,352	2,873	2,563	1,535	1,353	143	97	59	37
Nondurable goods manufacturing	3,344	3,063	1,361	1,184	1,813	1,759	103	55	68	65
Other industries	2,547	2,430	1,581	1,470	630	636	301	261	36	33
Transport equipment operatives	3,446	3,359	2,985	2,919	295	299	152	132	14	8
Drivers, motor vehicles	2,946	2,917	2,521	2,519	274	275	137	115	14	3
All other	500	442	464	403	22	24	15	17	--	--
Nonfarm laborers	4,518	4,187	3,152	2,953	431	409	833	755	101	70
Construction	768	637	688	512	6	17	73	104	2	4
Manufacturing	934	875	705	670	149	134	74	58	6	12
Other industries	2,815	2,676	1,759	1,771	277	258	686	594	93	54
<b>Service workers</b>	13,557	13,649	4,232	4,260	7,149	7,387	921	881	1,256	1,121
Private household workers	1,001	969	33	22	770	762	9	10	189	175
Service workers, except private household	12,556	12,680	4,199	4,239	6,378	6,625	912	870	1,067	946
Food service workers	4,750	4,773	975	945	2,400	2,552	634	583	742	695
Protective service workers	1,532	1,540	1,321	1,336	159	158	14	36	8	10
All other	6,304	6,357	1,903	1,958	3,819	3,915	264	254	317	241
<b>Farm workers</b>	2,639	2,509	1,994	1,923	409	365	258	198	39	23
Farmers and farm managers	1,436	1,394	1,281	1,225	139	152	16	17	--	1
Farm laborers and supervisors	1,203	1,115	713	697	270	213	241	182	39	22
Paid workers	1,017	895	676	657	131	94	184	128	26	15
Unpaid family workers	246	219	37	40	139	119	57	53	13	7

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

[Percent distribution]

Occupation and race	Total		Males		Females	
	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982
<b>TOTAL</b>						
Total, 16 years and over (thousands)	100,345	98,858	57,281	55,924	43,064	42,934
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.7	53.8	42.7	44.1	66.0	66.5
Professional and technical	16.3	17.2	15.8	15.8	17.0	17.8
Managers and administrators, except farm	11.4	11.4	14.5	14.6	7.2	7.3
Sales workers	6.2	6.6	6.0	6.4	6.5	7.0
Clerical workers	18.8	18.5	5.3	6.3	35.4	34.5
Blue-collar workers	31.1	29.8	44.4	42.9	13.4	12.8
Craft and kindred workers	12.7	12.6	20.9	20.7	1.8	1.9
Operatives, except transport	10.5	9.6	11.1	10.1	9.6	9.0
Transport equipment operatives	3.4	3.4	5.5	5.5	.7	.7
Nonfarm laborers	4.5	4.2	7.0	6.6	1.2	1.1
Service workers	13.5	13.8	9.0	9.2	19.5	19.8
Private household workers	1.0	1.0	.1	.1	2.2	2.2
Other service workers	12.5	12.8	8.9	9.1	17.3	17.6
Farm workers	2.7	2.5	3.9	3.8	1.0	.9
Farmers and farm managers	1.4	1.4	2.3	2.2	.3	.4
Farm laborers and supervisors	1.3	1.1	1.7	1.6	.7	.5
<b>White</b>						
Total, 16 years and over (thousands)	88,615	87,509	51,183	50,039	37,432	37,469
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	54.3	55.4	44.2	45.5	68.1	68.7
Professional and technical	16.7	17.6	16.3	17.2	17.3	18.1
Managers and administrators, except farm	12.2	12.2	15.5	15.5	7.7	7.8
Sales workers	6.7	7.1	6.4	6.8	7.0	7.5
Clerical workers	18.7	18.5	6.0	6.0	36.1	35.3
Blue-collar workers	30.7	29.3	43.6	42.3	13.0	12.1
Craft and kindred workers	13.1	13.0	21.4	21.2	1.9	2.0
Operatives, except transport	10.0	9.1	10.7	9.7	9.2	8.3
Transport equipment operatives	3.2	3.3	5.1	5.2	.7	.7
Nonfarm laborers	4.3	4.0	6.5	6.1	1.2	1.1
Service workers	12.3	12.6	8.1	8.4	17.9	18.3
Private household workers	.7	.8	.1	(1)	1.7	1.7
Other service workers	11.5	11.8	8.1	8.3	16.2	16.5
Farm workers	2.8	2.6	4.0	3.9	1.1	1.0
Farmers and farm managers	1.6	1.6	2.5	2.4	.4	.4
Farm laborers and supervisors	1.2	1.1	1.6	1.5	.7	.6
<b>Black and other</b>						
Total, 16 years and over (thousands)	11,730	11,349	6,098	5,884	5,631	5,465
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	40.6	41.4	29.6	32.4	52.6	51.2
Professional and technical	13.4	14.5	12.2	13.7	14.6	15.3
Managers and administrators, except farm	5.4	5.6	6.7	7.6	3.9	3.5
Sales workers	2.8	3.0	2.6	2.8	3.2	3.2
Clerical workers	19.1	18.3	8.1	8.3	30.9	29.1
Blue-collar workers	34.3	33.6	51.0	48.3	16.3	17.8
Craft and kindred workers	9.4	9.4	16.7	16.8	1.5	1.5
Operatives, except transport	13.7	13.6	14.6	13.1	12.7	14.1
Transport equipment operatives	5.0	4.2	9.9	7.4	.8	.8
Nonfarm laborers	6.2	6.4	10.7	11.0	1.3	1.4
Service workers	23.0	23.1	16.3	16.3	30.4	30.5
Private household workers	2.9	2.6	.2	.2	5.9	5.2
Other service workers	20.1	20.5	15.1	16.2	24.5	25.3
Farm workers	2.0	1.8	3.2	2.9	.7	.5
Farmers and farm managers	.3	.3	.6	.5	(1)	.1
Farm laborers and supervisors	1.7	1.5	2.6	2.4	.7	.5

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

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

[In thousands]

Age and sex	April 1962								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	88,038	1,150	15,716	71,171	7,228	420	1,342	1,586	244
16 to 19 years	5,766	242	349	5,175	81	48	194	32	62
16 to 17 years	2,153	168	102	1,883	37	24	83	10	46
18 to 19 years	3,613	74	246	3,293	43	24	112	22	17
20 to 24 years	12,718	114	1,378	11,226	382	14	266	86	22
25 to 34 years	25,511	157	4,428	20,925	1,744	84	367	364	53
35 to 44 years	18,293	148	3,962	14,183	1,848	80	207	261	35
45 to 54 years	13,967	158	3,116	10,693	1,436	99	148	294	29
55 to 64 years	9,726	139	2,151	7,386	1,186	73	115	319	29
55 to 59 years	6,101	117	1,347	4,637	573	50	66	155	19
60 to 64 years	3,625	72	804	2,749	513	23	49	164	9
65 years and over	2,057	141	332	1,583	552	22	44	231	14
Males, 16 years and over	48,356	168	7,666	40,522	4,919	66	1,090	1,395	97
16 to 19 years	2,856	62	159	2,634	56	25	164	31	55
16 to 17 years	1,092	40	49	1,003	30	13	69	9	42
18 to 19 years	1,764	22	111	1,631	26	12	95	22	13
20 to 24 years	6,500	22	558	5,920	260	4	205	76	16
25 to 34 years	14,224	20	2,083	12,121	1,161	8	297	312	16
35 to 44 years	10,214	19	1,951	8,245	1,213	3	174	217	2
45 to 54 years	7,880	14	1,644	6,222	994	3	122	248	2
55 to 64 years	5,544	10	1,098	4,436	863	10	83	296	1
55 to 59 years	3,491	7	688	2,795	490	6	50	139	--
60 to 64 years	2,053	3	410	1,641	373	4	33	156	1
65 years and over	1,138	21	173	944	372	12	44	216	4
Females, 16 years and over	39,682	982	8,050	30,649	2,309	354	251	191	147
16 to 19 years	2,910	179	189	2,541	24	23	30	1	7
16 to 17 years	1,061	128	54	879	7	11	14	1	3
18 to 19 years	1,849	51	136	1,662	17	12	16	--	4
20 to 24 years	6,218	92	820	5,306	122	11	62	11	5
25 to 34 years	11,287	137	2,346	8,804	533	75	70	51	37
35 to 44 years	8,079	130	2,011	5,938	635	77	32	44	33
45 to 54 years	6,087	144	1,471	4,471	443	96	26	46	27
55 to 64 years	4,182	179	1,053	2,949	323	63	32	23	28
55 to 59 years	2,610	110	659	1,842	183	43	16	15	19
60 to 64 years	1,572	59	394	1,108	143	19	16	8	8
65 years and over	919	121	159	640	180	10	--	15	10

A-24. Employed persons by industry and occupation

[In thousands]

Industry	April 1982											
	Total employed	White-collar workers				Blue-collar workers			Service workers			Farm workers
		Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
Agriculture	3,172	86	49	7	104	79	12	22	296	--	10	2,509
Mining	1,110	191	150	4	143	255	289	44	20	--	14	--
Construction	5,621	213	704	33	503	3,132	240	127	637	--	32	--
Manufacturing	20,534	2,639	1,705	491	2,553	4,116	7,114	693	875	--	378	--
Durable goods	12,134	1,743	961	158	1,497	2,675	4,052	323	515	--	211	--
Non-durable goods	8,400	867	744	333	1,056	1,440	3,063	370	360	--	167	--
Transportation and public utilities	6,526	543	671	119	1,456	1,402	1,459	137	424	--	214	--
Wholesale and retail trade	20,204	475	3,853	4,282	3,482	1,427	822	739	1,206	--	3,920	--
Wholesale trade	4,211	181	898	994	855	367	208	397	264	--	46	--
Retail trade	15,993	293	2,955	3,287	2,626	1,060	613	341	942	--	3,874	--
Finance, insurance, and real estate	6,227	435	1,206	1,419	2,696	132	4	12	86	--	237	--
Services	30,237	11,386	2,278	192	5,538	1,587	839	212	520	969	6,715	--
Private households	1,193	24	--	--	15	6	1	8	129	969	39	--
Other service industries	29,044	11,362	2,273	192	5,523	1,581	838	204	391	--	6,676	--
Public administration	5,228	1,007	691	11	1,827	300	57	52	124	--	1,159	--

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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>			
					Paid absences <sup>2</sup>		Unpaid absences <sup>2</sup>	
	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982
Total, 16 years and over	5,926	5,270	5,853	5,151	3,125	2,739	2,161	1,831
Vacation	3,346	2,834	3,314	2,819	2,257	1,949	849	654
Illness	1,403	1,346	1,376	1,306	607	573	647	615
Bad weather	62	79	55	44	--	--	--	--
Industrial dispute	143	22	143	22	--	--	--	--
All other reasons	974	990	965	961	251	217	665	562
Males, 16 years and over	2,814	2,544	2,749	2,443	1,515	1,414	904	694
Vacation	1,492	1,301	1,465	1,288	1,037	990	251	203
Illness	712	713	689	685	316	325	311	271
All other reasons <sup>3</sup>	609	531	595	470	102	99	342	219
Females, 16 years and over	3,113	2,726	3,104	2,709	1,612	1,325	1,257	1,137
Vacation	1,853	1,534	1,849	1,530	1,170	959	598	451
Illness	690	632	687	621	292	248	335	344
All other reasons <sup>3</sup>	570	550	568	558	150	119	323	342

<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 1982					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total, 16 years and over	93,587	90,534	3,053	100.0	100.0	100.0
1-34 hours	24,974	24,079	896	26.7	26.6	29.3
1-4 hours	944	893	51	1.0	1.0	1.7
5-14 hours	4,674	4,460	215	5.0	4.9	7.0
15-29 hours	11,803	11,363	440	12.6	12.6	14.4
30-34 hours	7,553	7,363	190	8.1	8.1	6.2
35 hours and over	68,614	66,456	2,157	73.3	73.4	70.7
35-39 hours	6,820	6,642	178	7.3	7.3	5.8
40 hours	40,133	39,675	513	42.9	43.8	16.8
41 hours and over	21,606	20,139	1,466	23.1	22.2	48.0
41 to 48 hours	8,144	7,908	235	8.7	8.7	7.7
49 to 59 hours	7,591	7,220	371	8.1	8.0	12.2
60 hours and over	5,871	5,011	860	6.3	5.5	28.2
Average hours, total at work	37.9	37.7	44.2	--	--	--
Average hours, workers on full-time schedules	42.6	42.3	52.3	--	--	--

## 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 1982					
	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> . . . . .	24,974	7,955	17,008	24,079	7,681	16,397
<b>Economic reasons</b> . . . . .	5,563	2,278	3,285	5,326	2,163	3,163
Slack work . . . . .	3,151	1,953	1,198	2,971	1,854	1,117
Material shortages or repairs to plant and equipment . . . . .	68	58	--	66	66	--
New job started during week . . . . .	172	172	--	172	172	--
Job terminated during week . . . . .	75	75	--	72	72	--
Could find only part-time work . . . . .	2,096	--	2,095	2,045	--	2,045
<b>Other reasons</b> . . . . .	19,412	5,638	13,724	18,753	5,518	13,235
Does not want, or unavailable for, full-time work . . . . .	11,727	--	11,727	11,366	--	11,366
Vacation . . . . .	1,252	1,252	--	1,243	1,243	--
Illness . . . . .	1,783	1,637	175	1,742	1,588	154
Bad weather . . . . .	348	348	--	262	262	--
Industrial dispute . . . . .	27	27	--	27	27	--
Legal or religious holiday . . . . .	1,067	1,057	--	1,061	1,051	--
Full time for this job . . . . .	1,296	--	1,296	1,246	--	1,246
All other reasons . . . . .	1,912	1,336	526	1,808	1,338	470
<b>Average hours:</b>						
Economic reasons . . . . .	22.4	25.1	20.6	22.5	25.2	20.7
Other reasons . . . . .	20.9	26.9	18.4	20.9	27.0	18.4
<b>Worked 30 to 34 hours:</b>						
Economic reasons . . . . .	1,906	1,125	731	1,845	1,030	765
Other reasons . . . . .	5,647	3,355	2,292	5,518	3,297	2,221

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

[Numbers in thousands]

Industry	April 1982								Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules						
				Total	40 hours or less	41 to 48 hours	49 hours or more			
<b>Total, 16 years and over</b> <sup>1</sup> . . . . .	90,534	5,326	13,235	71,973	51,834	7,908	12,231	37.7	42.3	
<b>Wage and salary workers</b> . . . . .	83,432	4,637	11,900	66,895	49,445	7,344	10,106	37.5	41.9	
Construction . . . . .	4,232	415	209	3,668	2,810	347	511	38.3	41.2	
Manufacturing . . . . .	19,163	1,026	648	17,439	13,467	2,082	1,940	39.7	41.3	
Durable goods . . . . .	11,352	446	239	10,667	3,242	1,263	1,162	40.3	41.3	
Nondurable goods . . . . .	7,811	580	409	6,822	5,225	819	778	38.9	41.2	
Transportation and public utilities . . . . .	5,856	251	393	5,212	3,714	585	913	40.4	42.8	
Wholesale and retail trade . . . . .	17,459	1,295	4,447	11,717	7,851	1,566	2,300	35.2	42.8	
Finance, insurance, and real estate . . . . .	5,555	155	530	4,870	3,787	440	643	38.5	41.0	
Service industries . . . . .	25,108	1,346	5,389	18,373	13,571	1,793	3,009	35.6	42.0	
Private households . . . . .	1,113	201	555	357	243	34	80	23.5	44.5	
All other industries . . . . .	23,995	1,145	4,834	18,015	13,328	1,759	2,929	36.2	41.9	
Public administration . . . . .	4,993	132	266	4,625	3,679	415	531	39.6	41.3	
<b>Self-employed workers</b> . . . . .	6,683	678	1,163	4,842	2,236	541	2,065	39.8	48.2	
Unpaid family workers . . . . .	420	12	173	235	152	24	59	34.1	43.9	

<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 1992							
	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	90,534	5,326	13,235	71,973	51,834	20,139	37.7	42.3
16 to 21 years	10,198	974	4,371	4,953	3,907	946	28.2	40.3
16 to 19 years	5,620	521	3,284	1,815	1,495	320	24.0	39.7
16 to 17 years	2,087	109	1,770	208	173	35	17.0	38.1
18 to 19 years	3,534	412	1,514	1,608	1,322	286	28.1	39.9
20 years and over	84,914	4,805	9,951	70,158	50,341	19,817	38.6	42.4
20 to 24 years	12,683	1,064	2,099	9,520	7,308	2,212	36.0	41.3
25 years and over	72,231	3,742	7,852	50,537	43,031	17,606	39.0	42.6
25 to 44 years	45,056	2,405	4,158	39,493	26,855	11,638	39.5	42.7
45 to 64 years	24,749	1,238	2,487	21,024	15,377	5,647	39.0	42.3
65 years and over	2,426	99	1,208	1,119	797	322	29.1	43.0
<b>Males, 16 years and over</b>	<b>50,898</b>	<b>2,604</b>	<b>4,041</b>	<b>44,253</b>	<b>29,961</b>	<b>15,292</b>	<b>40.5</b>	<b>43.6</b>
16 to 21 years	5,151	483	1,998	2,670	2,019	651	29.6	41.1
16 to 19 years	2,817	251	1,572	994	779	215	24.9	40.4
16 to 17 years	1,075	63	899	114	89	26	17.7	39.7
18 to 19 years	1,741	188	673	880	691	189	29.3	40.5
20 years and over	48,031	2,353	2,469	43,259	29,181	15,078	41.4	43.7
20 to 24 years	6,611	579	824	5,208	3,662	1,546	37.7	42.4
25 years and over	41,470	1,776	1,645	38,049	24,517	13,532	42.0	43.8
25 to 44 years	25,668	1,171	547	23,950	15,044	8,906	42.6	44.1
45 to 64 years	14,389	556	449	13,384	8,979	4,405	42.0	43.5
65 years and over	1,414	49	649	716	496	220	30.5	43.3
<b>Females, 16 years and over</b>	<b>39,636</b>	<b>2,721</b>	<b>9,194</b>	<b>27,721</b>	<b>22,876</b>	<b>4,845</b>	<b>34.0</b>	<b>40.2</b>
16 to 21 years	5,047	491	2,373	2,183	1,889	294	26.8	39.3
16 to 19 years	2,803	270	1,712	821	716	105	23.1	38.9
16 to 17 years	1,011	46	872	93	83	10	16.3	36.1
18 to 19 years	1,792	224	841	727	630	97	26.9	39.3
20 years and over	36,833	2,451	7,482	25,900	22,160	4,740	34.9	40.3
20 to 24 years	6,072	486	1,275	4,311	3,645	666	34.1	39.9
25 years and over	30,761	1,966	6,207	22,588	18,514	4,074	35.0	40.3
25 to 44 years	19,389	1,236	3,611	14,542	11,810	2,732	35.3	40.4
45 to 64 years	10,360	681	2,037	7,642	6,400	1,242	35.1	40.2
65 years and over	1,012	50	559	403	301	102	27.2	42.3
<b>RACE</b>								
<b>White</b>	<b>80,023</b>	<b>4,508</b>	<b>12,149</b>	<b>53,363</b>	<b>44,674</b>	<b>18,689</b>	<b>37.7</b>	<b>42.5</b>
Males	45,490	2,222	3,643	39,625	25,347	14,278	40.7	43.8
Females	34,533	2,286	8,506	23,738	19,327	4,411	33.8	40.3
<b>Black and other</b>	<b>10,514</b>	<b>818</b>	<b>1,086</b>	<b>8,510</b>	<b>7,161</b>	<b>1,449</b>	<b>37.2</b>	<b>40.9</b>
Males	5,408	383	398	4,627	3,613	1,014	38.8	42.0
Females	5,106	435	688	3,983	3,548	435	35.5	39.7
<b>MARITAL STATUS</b>								
<b>Males, 16 years and over:</b>								
Married, spouse present	34,480	1,366	1,206	31,908	23,342	11,566	42.3	44.0
Widowed, divorced, or separated	4,427	254	232	3,941	2,564	1,377	41.1	43.7
Single (never married)	11,992	984	2,603	8,405	6,054	2,351	35.1	42.3
<b>Females, 16 years and over:</b>								
Married, spouse present	21,790	1,374	5,329	15,087	12,602	2,485	33.9	40.1
Widowed, divorced, or separated	7,880	624	1,050	6,206	4,991	1,215	36.4	40.5
Single (never married)	9,965	723	2,815	6,427	5,281	1,146	32.3	40.3

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

[Numbers in thousands]

Occupation and sex	April 1982								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
<b>Total, 16 years and over</b>	<b>91,174</b>	<b>5,386</b>	<b>13,358</b>	<b>72,430</b>	<b>52,092</b>	<b>7,961</b>	<b>12,377</b>	<b>37.7</b>	<b>42.3</b>
<b>White-collar workers</b>	<b>50,285</b>	<b>1,601</b>	<b>7,306</b>	<b>41,379</b>	<b>28,779</b>	<b>4,431</b>	<b>8,169</b>	<b>38.6</b>	<b>42.7</b>
Professional and technical	15,776	358	1,867	13,551	9,141	1,540	2,870	39.6	43.0
Managers and administrators, except farm	10,821	167	533	10,121	5,409	1,273	3,439	44.4	46.0
Sales workers	6,212	332	1,590	4,293	2,722	519	1,049	35.8	43.6
Clerical workers	17,476	744	3,316	13,416	11,507	1,099	810	35.2	39.7
<b>Blue-collar workers</b>	<b>27,994</b>	<b>2,464</b>	<b>1,957</b>	<b>23,573</b>	<b>17,484</b>	<b>2,821</b>	<b>3,268</b>	<b>38.6</b>	<b>41.9</b>
Craft and kindred workers	11,815	786	463	10,566	7,652	1,307	1,607	39.9	42.1
Operatives, except transport	9,043	895	487	7,661	6,126	859	676	38.2	40.8
Transport equipment operatives	3,130	278	250	2,502	1,542	349	711	40.7	44.9
Nonfarm laborers	4,006	505	757	2,744	2,165	305	274	33.8	40.9
<b>Service workers</b>	<b>12,894</b>	<b>1,321</b>	<b>4,095</b>	<b>7,478</b>	<b>5,829</b>	<b>709</b>	<b>940</b>	<b>32.0</b>	<b>41.6</b>
Private household	933	155	479	299	205	29	65	24.1	44.5
Other service workers	11,963	1,166	3,616	7,178	5,623	680	875	32.6	41.5
<b>Males, 16 years and over</b>	<b>51,344</b>	<b>2,644</b>	<b>4,098</b>	<b>44,602</b>	<b>29,146</b>	<b>5,557</b>	<b>9,899</b>	<b>40.5</b>	<b>43.7</b>
<b>White-collar workers</b>	<b>23,556</b>	<b>477</b>	<b>1,525</b>	<b>21,554</b>	<b>12,594</b>	<b>2,701</b>	<b>6,259</b>	<b>42.7</b>	<b>44.9</b>
Professional and technical	8,868	146	511	8,211	5,054	973	2,184	42.5	44.4
Managers and administrators, except farm	7,854	115	228	7,511	3,659	979	2,873	45.7	46.9
Sales workers	3,442	108	395	2,939	1,651	412	876	40.9	44.7
Clerical workers	3,392	110	390	2,892	2,229	337	326	38.1	41.4
<b>Blue-collar workers</b>	<b>22,840</b>	<b>1,853</b>	<b>1,406</b>	<b>19,581</b>	<b>14,031</b>	<b>2,472</b>	<b>3,078</b>	<b>39.2</b>	<b>42.4</b>
Craft and kindred workers	11,038	748	353	9,937	7,122	1,255	1,560	40.2	42.2
Operatives, except transport	5,384	409	239	4,736	3,563	595	578	39.6	41.9
Transport equipment operatives	2,871	254	152	2,465	1,438	338	689	41.5	45.0
Nonfarm laborers	3,547	443	662	2,442	1,908	284	250	33.9	41.1
<b>Service workers</b>	<b>4,948</b>	<b>314</b>	<b>1,167</b>	<b>3,467</b>	<b>2,521</b>	<b>384</b>	<b>562</b>	<b>35.6</b>	<b>43.0</b>
Private household	33	3	15	15	10	2	3	29.4	49.3
Other service workers	4,915	310	1,152	3,453	2,513	381	559	35.7	43.0
<b>Females, 16 years and over</b>	<b>39,829</b>	<b>2,741</b>	<b>9,261</b>	<b>27,827</b>	<b>22,947</b>	<b>2,404</b>	<b>2,476</b>	<b>34.0</b>	<b>40.3</b>
<b>White-collar workers</b>	<b>25,729</b>	<b>1,124</b>	<b>5,782</b>	<b>19,823</b>	<b>16,185</b>	<b>1,729</b>	<b>1,909</b>	<b>35.0</b>	<b>40.4</b>
Professional and technical	6,908	212	1,356	5,340	4,087	567	686	35.8	40.8
Managers and administrators, except farm	2,967	52	305	2,510	1,750	294	566	40.7	43.5
Sales workers	2,770	224	1,195	1,351	1,071	107	173	29.5	41.0
Clerical workers	14,084	634	2,926	10,524	9,277	762	485	34.5	39.2
<b>Blue-collar workers</b>	<b>5,154</b>	<b>611</b>	<b>551</b>	<b>3,992</b>	<b>3,453</b>	<b>349</b>	<b>190</b>	<b>35.7</b>	<b>39.5</b>
Craft and kindred workers	777	39	110	628	528	53	47	36.6	40.4
Operatives, except transport	3,659	485	248	2,925	2,564	264	97	36.3	39.1
Transport equipment operatives	259	24	98	137	104	11	22	32.4	43.1
Nonfarm laborers	459	63	95	301	257	21	23	32.9	40.0
<b>Service workers</b>	<b>7,945</b>	<b>1,006</b>	<b>2,928</b>	<b>4,012</b>	<b>3,309</b>	<b>326</b>	<b>377</b>	<b>29.7</b>	<b>40.5</b>
Private household	900	152	464	284	196	26	62	23.9	44.3
Other service workers	7,045	855	2,464	3,727	3,112	299	316	30.4	40.2

# HOUSEHOLD DATA

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

(Numbers in thousands)

Employment status	April 1982								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,183	3,659	3,529	5,930	3,029	2,901	1,259	630	628
Civilian labor force	1,098	588	509	1,048	553	495	50	35	15
Employed	915	480	435	892	460	432	24	20	4
Agriculture	73	64	14	78	64	14	--	--	--
Nonagricultural industries	838	415	422	814	396	418	24	20	4
Unemployed	182	108	74	156	93	63	26	15	11
Unemployment rate	16.5	18.4	14.5	14.9	15.8	12.7	(1)	(1)	(1)
Not in labor force	6,091	3,071	3,020	4,882	2,475	2,406	1,209	595	614
Keeping house	29	5	24	23	3	20	6	2	5
Going to school	5,442	2,771	2,671	4,344	2,223	2,121	1,097	548	550
Unable to work	7	1	5	3	2	2	4	--	4
All other reasons	613	294	319	511	248	263	102	46	56

<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 1982					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
<b>CLASS OF WORKER</b>						
<b>Total</b>	916	480	435	100.0	100.0	100.0
Nonagricultural industries	838	416	422	91.6	86.5	97.0
Wage and salary workers	747	356	391	81.6	74.0	89.9
Private household workers	325	64	261	35.5	13.3	60.0
Government workers	27	12	15	3.0	2.5	3.4
Other wage and salary workers	395	280	115	43.2	58.2	26.4
Self-employed workers	81	54	27	8.9	11.2	6.2
Unpaid family workers	10	6	4	1.1	1.2	.9
Agriculture	78	64	14	8.5	13.3	3.2
Wage and salary workers	43	34	10	4.7	7.1	2.3
Self-employed workers	7	6	1	.8	1.2	.2
Unpaid family workers	27	25	2	3.0	5.2	.5
<b>OCCUPATION</b>						
<b>Total</b>	916	480	435	100.0	100.0	100.0
White-collar workers	269	175	94	29.4	36.5	21.7
Professional and technical	16	4	12	1.7	.8	2.8
Managers and administrators, except farm	1	--	1	.1	--	.2
Sales workers	213	149	62	23.0	31.0	14.3
Clerical workers	42	23	19	4.6	4.8	4.4
Blue-collar workers	157	147	10	17.2	30.6	2.3
Craft and kindred workers	17	17	--	1.9	3.5	--
Operatives, except transport	20	17	2	2.2	3.5	.5
Transport equipment operatives	4	4	--	.4	.8	--
Nonfarm laborers	116	108	3	12.7	22.5	1.8
Service workers	423	102	320	46.2	21.2	73.7
Private household workers	283	18	264	30.9	3.7	60.8
Other service workers	140	84	56	15.3	17.5	12.9
Farm workers	67	56	11	7.3	11.7	2.5
Farmers and farm managers	2	2	--	.2	.4	--
Farm laborers and supervisors	64	54	10	7.0	11.2	2.3



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, sex, and age	1981									1982			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
<b>TOTAL</b>													
Total noninstitutional population <sup>1</sup> .....	171,770	171,956	172,172	172,395	172,559	172,758	172,966	173,155	173,330	173,495	173,657	173,843	174,020
Armed Forces <sup>1</sup> .....	2,129	2,127	2,131	2,139	2,160	2,165	2,158	2,158	2,164	2,159	2,169	2,175	2,176
Civilian noninstitutional population <sup>1</sup> .....	169,641	169,829	170,042	170,246	170,399	170,593	170,809	170,995	171,166	171,335	171,489	171,667	171,844
Civilian labor force .....	108,777	109,293	108,434	108,638	108,818	108,494	109,012	109,272	109,184	108,879	109,165	109,346	109,648
Percent of civilian population .....	64.1	64.4	63.8	63.8	63.9	63.6	63.8	63.9	63.8	63.5	63.7	63.7	63.8
Employed .....	100,878	101,045	100,430	100,864	100,840	100,258	100,343	100,172	99,513	99,581	99,590	99,492	99,340
Percent of total population .....	58.7	58.8	58.3	58.5	58.4	58.0	58.0	57.9	57.5	57.4	57.3	57.2	57.1
Agriculture .....	3,470	3,405	3,348	3,342	3,404	3,358	3,378	3,372	3,209	3,411	3,373	3,343	3,309
Nonagricultural industries .....	97,408	97,640	97,082	97,522	97,436	96,900	95,965	95,803	96,404	96,170	96,217	96,144	96,032
Unemployed .....	7,899	8,248	8,004	7,824	7,978	8,236	8,669	9,100	9,571	9,298	9,575	9,854	10,307
Unemployment rate .....	7.3	7.5	7.4	7.2	7.3	7.6	8.0	8.3	8.8	8.5	8.8	9.0	9.4
Not in labor force .....	60,864	60,536	61,608	61,558	61,581	62,099	61,797	61,724	61,982	62,456	62,324	62,321	62,197
<b>Males, 20 years and over</b>													
Total noninstitutional population <sup>1</sup> .....	73,817	73,924	74,045	74,154	74,268	74,382	74,502	74,610	74,714	74,810	74,906	75,015	75,121
Civilian noninstitutional population <sup>1</sup> .....	72,142	72,251	72,359	72,472	72,559	72,670	72,795	72,921	73,020	73,120	73,209	73,297	73,392
Civilian labor force .....	57,157	57,479	57,094	57,172	57,250	57,262	57,355	57,459	57,665	57,368	57,448	57,554	57,730
Percent of civilian population .....	79.2	79.6	78.9	78.9	78.9	78.8	78.8	78.8	79.0	78.5	78.5	78.5	78.7
Employed .....	53,820	53,884	53,597	53,874	53,791	53,693	53,504	53,354	53,122	53,047	53,097	53,006	52,988
Percent of total population .....	72.9	72.9	72.4	72.6	72.4	72.2	71.8	71.5	71.1	70.9	70.9	70.7	70.5
Agriculture .....	2,419	2,390	2,379	2,383	2,422	2,383	2,413	2,382	2,311	2,390	2,386	2,377	2,382
Nonagricultural industries .....	51,401	51,494	51,218	51,491	51,369	51,310	51,091	50,972	50,811	50,657	50,711	50,629	50,606
Unemployed .....	3,337	3,595	3,497	3,298	3,459	3,569	3,851	4,105	4,543	4,322	4,351	4,548	4,742
Unemployment rate .....	5.8	6.3	6.1	5.8	6.0	6.2	6.7	7.1	7.9	7.5	7.6	7.9	8.2
Not in labor force .....	14,985	14,772	15,265	15,300	15,309	15,408	15,440	15,462	15,355	15,752	15,761	15,733	15,662
<b>Females, 20 years and over</b>													
Total noninstitutional population <sup>1</sup> .....	81,338	81,453	81,583	81,711	81,822	81,946	82,074	82,193	82,306	82,415	82,523	82,640	82,753
Civilian noninstitutional population <sup>1</sup> .....	81,193	81,308	81,434	81,561	81,671	81,792	81,920	82,038	82,151	82,260	82,367	82,478	82,591
Civilian labor force .....	42,332	42,608	42,591	42,632	42,666	42,344	42,831	42,987	42,888	42,868	43,031	43,243	43,301
Percent of civilian population .....	52.1	52.4	52.3	52.3	52.2	51.8	52.3	52.4	52.2	52.1	52.2	52.4	52.4
Employed .....	39,536	39,737	39,757	39,810	39,841	39,426	39,814	39,878	39,713	39,764	39,744	39,807	39,715
Percent of total population .....	48.6	48.8	48.7	48.7	48.7	48.1	48.5	48.5	48.3	48.2	48.2	48.2	48.0
Agriculture .....	609	605	585	590	609	608	596	635	572	649	628	636	601
Nonagricultural industries .....	38,927	39,132	39,172	39,220	39,232	38,818	39,218	39,243	39,141	39,115	39,116	39,172	39,114
Unemployed .....	2,796	2,871	2,824	2,872	2,825	2,918	3,017	3,109	3,175	3,104	3,286	3,435	3,586
Unemployment rate .....	6.6	6.7	6.6	6.7	6.6	6.9	7.0	7.2	7.4	7.2	7.6	7.9	8.3
Not in labor force .....	38,861	38,700	38,853	38,879	39,005	39,448	39,089	39,051	39,263	39,392	39,336	39,235	39,290
<b>Both sexes, 16-19 years</b>													
Total noninstitutional population <sup>1</sup> .....	16,615	16,579	16,544	16,510	16,469	16,429	16,390	16,351	16,310	16,269	16,228	16,188	16,146
Civilian noninstitutional population <sup>1</sup> .....	16,305	16,270	16,249	16,213	16,169	16,131	16,093	16,037	15,995	15,955	15,913	15,902	15,861
Civilian labor force .....	9,288	9,206	8,759	8,834	8,902	8,888	8,825	8,826	8,631	8,643	8,686	8,549	8,616
Percent of civilian population .....	57.0	56.6	53.9	54.5	55.1	55.1	54.8	55.0	54.0	54.2	54.6	53.8	54.3
Employed .....	7,522	7,424	7,076	7,180	7,208	7,139	7,025	6,943	6,778	6,771	6,748	6,679	6,637
Percent of total population .....	45.3	44.8	42.8	43.5	43.8	43.5	42.9	42.4	41.6	41.6	41.6	41.3	41.1
Agriculture .....	442	410	384	369	373	367	369	355	326	373	359	336	326
Nonagricultural industries .....	7,080	7,014	6,692	6,811	6,835	6,772	6,655	6,585	6,452	6,398	6,389	6,343	6,311
Unemployed .....	1,766	1,782	1,683	1,654	1,694	1,749	1,801	1,886	1,853	1,872	1,938	1,870	1,979
Unemployment rate .....	19.0	19.4	19.2	18.7	19.0	19.7	20.4	21.4	21.5	21.7	22.3	21.9	23.0
Not in labor force .....	7,017	7,064	7,490	7,373	7,267	7,243	7,267	7,211	7,364	7,312	7,227	7,353	7,245

<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	1981									1982			
	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	92,825	93,324	92,526	92,971	92,778	92,801	93,359	93,607	93,856	93,129	93,421	93,863	93,890
Employed	86,383	86,693	85,949	86,606	86,378	86,044	86,155	86,062	85,729	85,324	85,523	85,505	85,289
Unemployed	6,442	6,631	6,577	6,365	6,400	6,757	7,204	7,545	8,127	7,805	7,897	8,355	8,601
Unemployment rate	6.9	7.1	7.1	6.8	6.9	7.3	7.7	8.1	8.7	8.4	8.5	8.9	9.2
<b>PART TIME</b>													
Total, 16 years and over:													
Civilian labor force	15,960	15,868	15,924	15,808	16,071	15,662	15,690	15,721	15,399	15,853	15,632	15,470	15,836
Employed	14,499	14,350	14,462	14,337	14,525	14,160	14,198	14,125	13,982	14,337	13,951	13,926	14,112
Unemployed	1,461	1,518	1,462	1,471	1,546	1,502	1,492	1,596	1,417	1,515	1,681	1,544	1,724
Unemployment rate	9.2	9.6	9.2	9.3	9.6	9.6	9.5	10.2	9.2	9.6	10.8	10.0	10.9

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

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

[Numbers in thousands]

Race, sex, and age	1981									1982			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
<b>WHITE</b>													
Total, 16 years and over:													
Civilian labor force	95,199	95,666	94,887	95,126	95,163	94,884	95,365	95,535	95,329	95,120	95,333	95,508	96,015
Employed	89,080	89,237	88,799	89,170	89,221	88,628	88,734	88,498	88,010	87,955	87,990	87,956	87,988
Unemployed	6,119	6,429	6,088	5,956	5,942	6,256	6,831	7,037	7,319	7,165	7,344	7,552	8,026
Unemployment rate	6.4	6.7	6.4	6.3	6.2	6.6	7.0	7.4	7.7	7.5	7.7	7.9	8.4
Males, 20 years and over:													
Civilian labor force	50,718	50,920	50,633	50,698	50,701	50,712	50,811	50,881	50,948	50,757	50,812	50,903	51,124
Employed	48,070	48,392	47,939	48,157	48,050	47,948	47,790	47,649	47,449	47,410	47,430	47,351	47,393
Unemployed	2,648	2,528	2,694	2,541	2,651	2,764	3,021	3,232	3,499	3,347	3,382	3,552	3,731
Unemployment rate	5.2	5.6	5.3	5.0	5.2	5.5	5.9	6.4	6.9	6.6	6.7	7.0	7.3
Females, 20 years and over:													
Civilian labor force	36,274	36,597	36,490	36,612	36,554	36,294	36,742	36,832	36,733	36,698	36,860	37,038	37,179
Employed	34,197	34,422	34,404	34,481	34,534	34,155	34,517	34,513	34,368	34,380	34,427	34,475	34,489
Unemployed	2,077	2,175	2,086	2,131	2,020	2,139	2,225	2,319	2,365	2,319	2,433	2,564	2,690
Unemployment rate	5.7	5.9	5.7	5.8	5.5	5.9	6.1	6.3	6.4	6.3	6.6	6.9	7.2
Both sexes, 16 to 19 years:													
Civilian labor force	8,207	8,149	7,764	7,816	7,908	7,878	7,812	7,822	7,548	7,665	7,662	7,567	7,712
Employed	6,813	6,723	6,456	6,532	6,637	6,525	6,427	6,336	6,193	6,166	6,133	6,130	6,106
Unemployed	1,394	1,426	1,308	1,284	1,271	1,353	1,385	1,486	1,455	1,499	1,529	1,437	1,606
Unemployment rate	17.0	17.5	16.8	16.4	16.1	17.2	17.7	19.0	19.0	19.6	20.0	19.0	20.8
<b>BLACK AND OTHER</b>													
Total, 16 years and over:													
Civilian labor force	13,633	13,649	13,565	13,539	13,632	13,617	13,697	13,757	13,773	13,704	13,857	13,910	13,768
Employed	11,827	11,781	11,643	11,672	11,624	11,537	11,511	11,661	11,610	11,632	11,653	11,515	11,446
Unemployed	1,806	1,868	1,922	1,867	2,008	2,010	2,086	2,096	2,163	2,072	2,204	2,294	2,322
Unemployment rate	13.2	13.7	14.2	13.8	14.7	14.8	15.2	15.2	15.7	15.1	15.9	16.6	16.9
Males, 20 years and over:													
Civilian labor force	6,498	6,547	6,479	6,484	6,556	6,551	6,573	6,595	6,514	6,563	6,649	6,620	6,704
Employed	5,796	5,779	5,682	5,722	5,745	5,715	5,711	5,694	5,647	5,630	5,588	5,622	5,667
Unemployed	702	768	797	762	811	856	862	901	967	933	961	998	1,037
Unemployment rate	10.8	11.7	12.3	11.3	12.4	12.8	13.1	13.7	14.6	14.2	14.5	15.1	15.5
Females, 20 years and over:													
Civilian labor force	6,057	6,041	6,081	6,062	6,087	6,085	6,396	6,147	6,163	6,152	6,163	6,199	6,145
Employed	5,337	5,305	5,340	5,321	5,313	5,281	5,301	5,359	5,355	5,388	5,338	5,321	5,248
Unemployed	720	736	741	741	774	804	795	788	808	764	826	878	897
Unemployment rate	11.9	12.2	12.2	12.2	12.7	13.2	13.0	12.8	13.1	12.4	13.4	14.2	14.6
Both sexes, 16 to 19 years:													
Civilian labor force	1,078	1,061	1,005	993	989	981	1,028	1,015	996	989	1,044	991	919
Employed	694	697	621	629	566	611	599	608	608	614	627	573	531
Unemployed	384	364	384	364	423	370	429	407	388	375	417	418	388
Unemployment rate	35.6	34.3	38.2	36.7	42.8	37.7	41.7	40.1	39.0	37.9	39.9	42.2	42.2

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

[Unemployment rates]

Category	1981										1982			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
<b>CHARACTERISTIC</b>														
Total (all civilian workers) .....	7.3	7.5	7.4	7.2	7.3	7.6	8.0	8.3	8.8	8.5	8.8	9.0	9.4	
Males, 20 years and over .....	5.8	6.3	6.1	5.8	6.3	5.2	6.7	7.1	7.9	7.5	7.6	7.9	8.2	
Females, 20 years and over .....	6.6	6.7	6.6	6.7	6.6	6.9	7.0	7.2	7.4	7.2	7.5	7.9	8.3	
Both sexes, 16-19 years .....	19.0	19.4	19.2	18.7	19.0	19.7	23.4	21.4	21.5	21.7	22.3	21.9	23.0	
White .....	6.4	6.7	6.4	6.3	6.2	6.6	7.0	7.4	7.7	7.5	7.7	7.9	8.4	
Black and other .....	13.2	13.7	14.2	13.8	14.7	14.8	15.2	15.2	15.7	15.1	15.9	16.6	16.9	
Married men, spouse present .....	3.8	4.0	4.2	3.9	4.0	4.4	4.8	5.2	5.7	5.3	5.3	5.5	6.0	
Married women, spouse present .....	5.9	5.8	5.7	5.7	5.5	6.0	6.1	6.5	6.6	6.2	7.0	7.1	7.8	
Women who maintain families .....	9.9	10.4	10.7	11.2	10.1	10.7	10.6	10.8	10.5	10.4	10.2	10.6	11.5	
Full-time workers .....	6.9	7.1	7.1	6.8	6.9	7.3	7.7	8.1	8.7	8.4	8.5	8.9	9.2	
Part-time workers .....	9.2	9.6	9.2	9.3	9.6	9.6	9.5	10.2	9.2	9.6	10.8	10.0	10.9	
Unemployed 15 weeks and over <sup>1</sup> .....	2.0	2.0	2.2	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.5	2.7	2.7	
Labor force time lost <sup>2</sup> .....	8.2	8.6	7.9	7.9	7.9	8.5	9.1	9.5	10.1	10.0	9.8	10.4	10.4	
<b>OCCUPATION</b>														
White-collar workers .....	4.0	4.0	3.9	4.0	3.9	4.1	4.1	4.2	4.5	4.2	4.6	4.8	4.9	
Professional and technical .....	3.1	2.8	2.8	2.8	2.5	2.8	2.6	2.7	3.4	2.9	3.1	3.2	3.2	
Managers and administrators, except farm .....	2.4	2.6	2.7	2.6	2.7	2.7	2.8	3.0	3.1	2.7	3.1	3.0	3.3	
Sales workers .....	4.2	4.6	4.3	4.9	4.7	5.0	4.9	5.0	4.9	4.5	4.8	5.8	5.6	
Clerical workers .....	5.5	5.6	5.4	5.7	5.7	5.8	5.0	6.3	6.2	6.3	6.7	6.9	7.2	
Blue-collar workers .....	9.7	9.9	9.8	9.5	9.5	10.2	10.9	11.3	12.7	12.5	12.5	12.9	13.7	
Craft and kindred workers .....	6.8	7.2	7.1	6.9	7.0	7.7	8.3	8.5	9.3	9.0	8.4	9.1	9.6	
Operatives, except transport .....	11.6	11.8	11.1	11.1	11.1	11.5	12.8	14.1	15.5	15.4	15.4	15.9	16.9	
Transport equipment operatives .....	8.1	8.2	8.1	7.3	8.0	8.7	8.0	10.4	10.5	10.2	10.3	10.4	10.7	
Nonfarm laborers .....	14.0	13.5	14.7	14.4	13.2	14.6	15.6	16.3	16.9	16.9	17.9	17.9	19.2	
Service workers .....	8.5	9.4	8.9	8.0	8.3	9.3	9.3	9.7	9.6	9.2	9.8	10.2	11.1	
Farm workers .....	3.9	5.2	6.2	4.8	5.4	4.0	6.2	6.2	6.4	6.9	4.9	5.4	5.8	
<b>INDUSTRY</b>														
Nonagricultural private wage and salary workers <sup>3</sup> .....	7.3	7.7	7.4	7.2	7.3	7.7	8.1	8.4	9.1	8.8	9.3	9.5	9.9	
Construction .....	14.5	15.7	16.1	15.2	16.2	16.3	17.6	17.8	18.1	18.7	18.1	17.9	19.4	
Manufacturing .....	7.6	7.8	7.4	7.3	7.0	7.9	8.6	9.4	11.0	10.4	10.6	10.8	11.3	
Durable goods .....	7.5	7.4	7.1	7.1	6.5	7.7	8.6	9.5	11.8	11.0	11.3	10.8	11.9	
Non-durable goods .....	7.8	8.6	7.9	7.6	7.9	8.3	8.6	9.3	9.6	9.5	9.5	10.8	10.5	
Transportation .....	5.5	5.7	4.9	4.1	4.3	4.2	4.8	5.5	5.0	6.4	5.9	5.6	7.0	
Wholesale and retail trade .....	7.5	8.3	7.7	7.9	7.9	8.5	8.4	8.6	8.9	8.7	9.0	10.3	10.1	
Finance and service industries .....	5.8	5.8	5.8	5.7	5.7	5.0	5.2	6.1	6.4	5.9	6.5	6.9	7.0	
Government workers .....	4.7	4.7	4.6	4.6	4.5	4.7	4.7	5.2	5.0	4.8	5.2	4.9	5.3	
Agricultural wage and salary workers .....	9.4	11.0	13.3	10.7	12.3	11.0	13.4	14.1	14.8	16.2	12.8	14.0	14.6	

<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	1981										1982			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
<b>DURATION</b>														
Less than 5 weeks .....	3,189	3,378	3,303	3,323	3,326	3,529	3,707	3,852	4,337	3,852	3,789	3,825	3,958	
5 to 14 weeks .....	2,472	2,606	2,423	2,312	2,469	2,585	2,686	2,882	3,016	3,068	3,052	3,078	3,304	
15 weeks and over .....	2,187	2,231	2,363	2,170	2,217	2,248	2,292	2,364	2,372	2,399	2,724	2,954	3,015	
15 to 26 weeks .....	1,048	1,061	1,227	1,096	1,078	1,146	1,166	1,229	1,189	1,210	1,445	1,605	1,508	
27 weeks and over .....	1,139	1,170	1,136	1,074	1,139	1,102	1,126	1,135	1,183	1,190	1,278	1,349	1,507	
Average (mean) duration, in weeks .....	13.7	13.3	14.3	14.1	14.3	13.7	13.6	13.1	12.8	13.5	14.1	13.9	14.2	
Median duration, in weeks .....	7.6	7.3	6.7	7.0	7.0	6.9	5.8	6.9	6.7	7.2	7.3	7.6	8.5	
<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 .....	40.6	41.1	40.8	42.6	41.5	42.2	42.7	42.3	42.8	41.3	39.6	38.8	38.5	
5 to 14 weeks .....	31.5	31.7	30.0	29.6	30.8	30.9	30.9	31.7	32.0	32.9	31.9	31.2	32.1	
15 weeks and over .....	27.9	27.2	29.2	27.8	27.7	26.9	26.4	26.0	25.2	25.7	28.5	30.0	29.3	
15 to 26 weeks .....	13.4	12.9	15.2	14.0	13.5	13.7	13.4	13.5	12.6	13.0	15.1	16.3	14.7	
27 weeks and over .....	14.5	14.2	14.0	13.8	14.2	13.2	13.0	12.5	12.6	12.8	13.4	13.7	14.7	

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

Sex and age	1981										1982			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
<b>Total, 16 years and over</b> .....	7.3	7.5	7.4	7.2	7.3	7.6	8.0	8.3	8.8	8.5	8.8	9.0	9.4	
16 to 19 years .....	19.0	19.4	19.2	18.7	19.0	19.7	20.4	21.4	21.5	21.7	22.3	21.9	23.0	
16 to 17 years .....	21.6	21.3	22.6	19.8	20.8	21.4	21.5	22.6	21.9	21.9	22.7	22.7	24.6	
18 to 19 years .....	17.2	17.7	17.5	17.8	17.6	19.5	20.0	20.5	21.2	21.3	22.0	21.3	21.9	
20 to 24 years .....	12.0	12.6	12.1	11.5	12.1	12.3	12.7	13.0	13.5	13.5	14.1	14.2	14.7	
25 years and over .....	5.1	5.2	5.3	5.2	5.2	5.4	5.7	6.0	6.5	6.3	6.4	6.8	7.0	
25 to 54 years .....	5.4	5.6	5.6	5.5	5.5	5.8	6.2	6.5	6.9	6.7	6.8	7.3	7.4	
55 years and over .....	3.4	3.4	3.5	3.5	3.5	3.8	3.8	3.8	4.1	4.2	4.3	4.6	5.0	
<b>Males, 16 years and over</b> .....	6.9	7.3	7.2	6.7	7.1	7.3	7.7	8.3	9.0	8.6	8.7	9.0	9.4	
16 to 19 years .....	19.5	20.0	20.0	18.8	19.8	19.9	20.1	21.8	22.3	22.1	22.5	23.5	24.4	
16 to 17 years .....	22.5	22.3	24.0	19.9	21.5	21.5	21.1	22.7	22.6	23.0	23.0	24.3	24.7	
18 to 19 years .....	17.4	18.0	18.2	17.9	18.3	18.7	19.3	21.0	22.2	21.4	22.1	22.9	24.3	
20 to 24 years .....	13.0	13.8	12.9	11.6	12.9	13.1	13.8	14.4	14.8	14.9	15.4	15.7	16.0	
25 years and over .....	4.6	4.7	5.0	4.7	4.9	5.0	5.5	5.8	6.5	6.3	6.3	6.6	6.9	
25 to 54 years .....	4.3	5.1	5.2	5.0	5.2	5.5	5.9	6.3	6.9	5.7	6.7	7.1	7.2	
55 years and over .....	3.2	3.4	3.4	3.4	3.4	3.5	3.7	3.7	4.4	4.3	4.2	4.8	5.1	
<b>Females, 16 years and over</b> .....	7.7	7.8	7.7	7.8	7.7	8.0	8.2	8.4	8.5	8.4	8.9	9.0	9.4	
16 to 19 years .....	18.4	18.7	18.4	18.6	18.2	19.5	20.7	20.9	20.5	21.2	22.1	20.1	21.3	
16 to 17 years .....	20.5	20.2	21.1	19.7	20.3	21.2	21.9	22.5	21.1	20.6	22.5	20.8	24.5	
18 to 19 years .....	17.1	17.4	16.8	17.7	16.9	18.3	20.6	19.9	20.0	21.1	21.9	19.6	19.4	
20 to 24 years .....	10.9	11.2	11.2	11.3	11.1	11.4	11.5	11.3	12.0	11.9	12.7	12.6	13.3	
25 years and over .....	5.7	5.8	5.7	5.8	5.5	5.9	6.1	6.4	6.4	6.3	6.5	7.0	7.2	
25 to 54 years .....	6.1	6.4	6.1	6.1	6.0	6.3	6.5	6.8	6.9	6.7	7.0	7.6	7.7	
55 years and over .....	3.7	3.4	3.5	3.7	3.7	4.3	4.0	3.8	3.7	4.1	4.3	4.3	4.8	

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

(Numbers in thousands)

Reason for unemployment	1981										1982			
	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 .....	3,958	4,032	4,173	3,867	4,106	4,426	4,573	4,905	5,343	5,205	5,153	5,622	5,906	
On layoff .....	1,303	1,357	1,302	1,225	1,276	1,452	1,631	1,826	2,042	1,860	1,740	1,828	1,946	
Other job losers .....	2,655	2,675	2,871	2,642	2,830	2,974	2,942	3,079	3,301	3,345	3,413	3,794	3,959	
Job leavers .....	903	1,004	896	926	879	921	976	916	923	835	964	885	937	
Reentrants .....	2,044	2,106	2,039	2,078	2,034	2,058	2,178	2,339	2,244	2,079	2,277	2,249	2,365	
New entrants .....	988	956	973	940	971	977	1,302	996	1,321	1,055	1,100	1,044	1,081	
<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	49.8	51.6	49.5	51.4	52.8	52.4	53.6	56.1	56.7	54.3	57.4	57.4	
On layoff .....	16.5	15.8	16.1	15.7	16.0	17.3	18.7	19.9	21.4	20.3	18.3	18.7	18.9	
Other job losers .....	33.6	33.0	35.5	33.8	35.4	35.5	33.7	33.6	34.6	36.5	35.9	38.7	38.5	
Job leavers .....	11.4	12.4	11.1	11.9	11.0	11.0	11.2	10.0	9.7	9.1	10.2	9.0	9.1	
Reentrants .....	25.9	26.0	25.2	26.6	25.5	24.6	25.0	25.5	23.5	22.7	24.0	22.9	23.0	
New entrants .....	12.5	11.8	12.0	12.0	12.2	11.7	11.5	10.9	10.7	11.5	11.6	10.7	10.5	
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>														
Job losers .....	3.6	3.7	3.8	3.6	3.8	4.1	4.2	4.5	4.9	4.8	4.7	5.1	5.4	
Job leavers .....	.8	.9	.8	.9	.8	.8	.9	.8	.8	.8	.9	.8	.9	
Reentrants .....	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.1	1.9	2.1	2.1	2.2	
New entrants .....	.9	.9	.9	.9	.9	.9	.9	.9	.9	1.0	1.0	1.0	1.0	

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Sex and age	1981										1982			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
<b>Total, 16 years and over</b>	100,878	101,045	100,430	100,864	100,840	100,258	100,343	100,172	99,613	99,581	99,590	99,492	99,340	
16 to 19 years	7,522	7,424	7,076	7,180	7,208	7,139	7,025	5,940	6,778	6,771	6,748	6,679	6,637	
16 to 17 years	3,012	2,949	2,709	2,835	2,840	2,836	2,769	2,758	2,703	2,705	2,690	2,642	2,610	
18 to 19 years	4,496	4,484	4,350	4,326	4,345	4,326	4,260	4,192	4,088	4,065	4,067	4,060	4,027	
20 to 24 years	14,178	14,178	14,094	14,264	14,194	14,086	14,378	13,973	13,935	13,816	13,788	13,811	13,730	
25 years and over	79,180	79,462	79,330	79,464	79,453	79,028	79,228	79,202	78,881	78,960	79,045	78,978	78,973	
25 to 54 years	64,565	64,798	64,754	64,930	65,014	64,676	64,829	64,868	64,567	64,722	64,853	64,648	64,670	
55 years and over	14,596	14,640	14,542	14,535	14,471	14,372	14,377	14,337	14,332	14,282	14,158	14,299	14,298	
<b>Males, 16 years and over</b>	57,792	57,793	57,279	57,640	57,551	57,471	57,265	57,051	56,725	56,629	56,658	56,472	56,401	
16 to 19 years	3,972	3,909	3,682	3,766	3,760	3,778	3,762	3,697	3,603	3,582	3,561	3,466	3,412	
16 to 17 years	1,582	1,543	1,412	1,498	1,501	1,533	1,522	1,495	1,448	1,446	1,439	1,387	1,385	
18 to 19 years	2,374	2,379	2,260	2,261	2,257	2,266	2,241	2,208	2,163	2,134	2,123	2,094	2,020	
20 to 24 years	7,521	7,531	7,483	7,646	7,562	7,523	7,449	7,373	7,380	7,321	7,288	7,246	7,203	
25 years and over	46,300	46,374	46,168	46,253	46,244	46,160	45,046	45,940	45,709	45,686	45,785	45,762	45,782	
25 to 54 years	37,452	37,560	37,448	37,507	37,565	37,519	37,406	37,364	37,092	37,127	37,235	37,173	37,194	
55 years and over	8,841	8,814	8,729	8,736	8,679	8,658	8,621	8,590	8,608	8,582	8,523	8,578	8,591	
<b>Females, 16 years and over</b>	43,086	43,252	43,151	43,224	43,289	42,787	43,077	43,121	42,888	42,952	42,932	43,020	42,940	
16 to 19 years	3,550	3,515	3,394	3,414	3,448	3,361	3,263	3,243	3,175	3,189	3,187	3,213	3,225	
16 to 17 years	1,430	1,406	1,297	1,337	1,339	1,303	1,247	1,273	1,255	1,259	1,251	1,255	1,225	
18 to 19 years	2,122	2,105	2,090	2,065	2,088	2,060	2,019	1,984	1,925	1,931	1,944	1,966	2,007	
20 to 24 years	6,657	6,647	6,611	6,618	6,632	6,563	6,629	6,597	6,555	6,495	6,500	6,565	6,523	
25 years and over	32,880	33,088	33,162	33,211	33,209	32,868	33,182	33,262	33,172	33,274	33,259	33,216	33,192	
25 to 54 years	27,113	27,238	27,306	27,423	27,449	27,157	27,423	27,504	27,475	27,595	27,613	27,475	27,476	
55 years and over	5,755	5,826	5,813	5,799	5,792	5,714	5,755	5,747	5,724	5,701	5,635	5,721	5,707	

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

(In thousands)

Sex and age	1981										1982			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
<b>Total, 16 years and over</b>	7,899	8,248	8,004	7,824	7,978	8,236	8,669	9,100	9,571	9,298	9,575	9,854	10,307	
16 to 19 years	1,766	1,782	1,683	1,654	1,694	1,749	1,801	1,886	1,853	1,872	1,938	1,870	1,979	
16 to 17 years	828	799	791	699	746	772	757	908	759	760	792	775	851	
18 to 19 years	937	964	924	938	931	983	1,062	1,080	1,098	1,098	1,149	1,099	1,130	
20 to 24 years	1,939	2,047	1,942	1,847	1,949	1,972	2,054	2,089	2,168	2,161	2,271	2,293	2,374	
25 years and over	4,213	4,331	4,338	4,324	4,328	4,540	4,828	5,091	5,481	5,282	5,401	5,748	5,962	
25 to 54 years	3,683	3,871	3,845	3,786	3,819	4,010	4,255	4,536	4,804	4,649	4,756	5,066	5,186	
55 years and over	509	509	522	534	526	572	574	562	620	624	630	691	752	
<b>Males, 16 years and over</b>	4,300	4,571	4,415	4,171	4,385	4,506	4,798	5,133	5,578	5,338	5,384	5,610	5,846	
16 to 19 years	963	976	918	873	926	937	947	1,028	1,035	1,016	1,033	1,062	1,104	
16 to 17 years	459	442	445	372	411	421	408	438	424	433	429	445	454	
18 to 19 years	499	521	502	494	505	521	537	587	616	581	604	621	647	
20 to 24 years	1,122	1,206	1,106	1,005	1,120	1,131	1,194	1,245	1,278	1,284	1,324	1,346	1,377	
25 years and over	2,237	2,280	2,405	2,292	2,361	2,455	2,670	2,834	3,199	3,055	3,071	3,247	3,383	
25 to 54 years	1,927	2,001	2,065	1,993	2,067	2,173	2,345	2,522	2,762	2,662	2,675	2,820	2,895	
55 years and over	289	307	311	310	303	317	333	332	397	383	377	431	451	
<b>Females, 16 years and over</b>	3,599	3,677	3,589	3,653	3,593	3,730	3,871	3,967	3,993	3,960	4,191	4,243	4,461	
16 to 19 years	803	806	765	781	768	812	854	858	818	856	905	808	875	
16 to 17 years	369	357	346	327	335	351	349	370	335	327	363	330	397	
18 to 19 years	438	443	422	444	426	462	525	433	482	517	545	478	483	
20 to 24 years	817	841	836	842	829	841	860	843	890	877	947	947	999	
25 years and over	1,976	2,051	1,993	2,032	1,967	2,085	2,158	2,257	2,282	2,228	2,330	2,501	2,578	
25 to 54 years	1,756	1,870	1,780	1,796	1,752	1,837	1,909	2,014	2,042	1,987	2,081	2,246	2,291	
55 years and over	220	202	211	224	223	255	241	229	223	241	253	260	291	

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Category	1981										1982						
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
<b>CHARACTERISTIC</b>																	
Total, 16 years and over .....	100878	101045	100430	100864	100840	100258	100343	100172	99,613	99,581	99,590	99,492	99,340				
Married men, spouse present .....	39,186	39,120	38,930	38,961	38,961	38,855	38,746	38,553	38,342	38,234	38,255	38,181	38,142				
Married women, spouse present .....	23,979	24,192	24,106	24,159	24,043	23,626	23,874	23,820	23,691	23,744	23,727	23,900	23,831				
<b>OCCUPATION</b>																	
White-collar workers .....	52,855	53,016	52,957	52,907	53,141	52,908	53,199	53,086	53,084	52,836	52,841	52,763	53,177				
Professional and technical .....	16,178	16,093	16,410	16,364	16,621	16,598	16,581	16,657	16,774	16,803	16,612	16,659	16,844				
Managers and administrators, except farm .....	11,616	11,488	11,411	11,578	11,463	11,533	11,616	11,461	11,424	11,091	11,253	11,311	11,501				
Sales workers .....	6,290	6,562	6,513	6,373	6,490	6,441	6,403	5,418	6,450	6,520	6,544	6,637	6,603				
Clerical workers .....	18,771	18,873	18,623	18,592	18,570	18,336	18,502	18,550	18,436	18,423	18,432	18,155	18,229				
Blue-collar workers .....	31,685	31,796	31,538	31,580	31,611	31,266	30,953	30,683	30,344	30,203	30,309	30,416	29,924				
Craft and kindred workers .....	12,825	12,911	12,749	12,787	12,724	12,514	12,445	12,411	12,446	12,370	12,454	12,511	12,492				
Operatives, except transport Transport equipment operatives .....	10,691	10,716	10,703	10,719	10,658	10,524	10,410	10,220	10,169	9,966	9,955	9,860	9,688				
Nonfarm laborers .....	3,483	3,466	3,493	3,526	3,530	3,506	3,580	3,438	3,368	3,415	3,503	3,397	3,400				
Service workers .....	4,686	4,703	4,593	4,548	4,699	4,722	4,517	4,614	4,361	4,451	4,397	4,648	4,343				
Farm workers .....	13,468	13,470	13,214	13,526	13,282	13,391	13,525	13,673	13,639	13,709	13,612	13,526	13,555				
	2,826	2,748	2,710	2,727	2,753	2,743	2,770	2,802	2,660	2,817	2,787	2,710	2,623				
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>																	
<b>Agriculture:</b>																	
Wage and salary workers .....	1,560	1,499	1,437	1,495	1,501	1,461	1,502	1,436	1,352	1,377	1,426	1,416	1,423				
Self-employed workers .....	1,661	1,654	1,664	1,593	1,638	1,643	1,631	1,641	1,602	1,674	1,596	1,644	1,664				
Unpaid family workers .....	286	235	263	244	256	256	261	321	228	380	359	277	270				
<b>Nonagricultural industries:</b>																	
Wage and salary workers .....	89,913	90,402	89,508	89,971	89,995	89,376	89,460	89,238	88,991	88,759	88,586	88,526	88,322				
Government .....	15,885	15,776	15,707	15,637	15,526	15,475	15,491	15,397	15,585	15,578	15,527	15,492	15,453				
Private industries .....	74,028	74,626	73,801	74,334	74,469	73,901	73,969	73,841	73,406	73,181	73,059	73,034	72,869				
Private households .....	1,249	1,192	1,177	1,216	1,259	1,102	1,162	1,204	1,291	1,248	1,161	1,225	1,192				
Other industries .....	72,779	73,434	72,624	73,118	73,210	72,799	72,807	72,637	72,115	71,932	71,898	71,809	71,677				
Self-employed workers .....	7,150	6,966	7,128	7,071	7,103	7,217	7,152	7,141	7,057	6,971	7,055	7,126	7,264				
Unpaid family workers .....	325	356	376	389	387	399	451	425	410	410	408	434	413				
<b>PERSONS AT WORK<sup>1</sup></b>																	
Nonagricultural industries .....	91,094	91,745	91,500	92,532	91,569	90,878	91,384	91,323	90,922	90,125	90,892	90,548	90,596				
Full-time schedules .....	74,259	74,871	74,693	75,620	74,467	73,794	73,886	73,915	73,360	72,803	73,028	72,649	72,335				
Part-time for economic reasons .....	4,200	4,264	4,033	4,374	4,350	4,656	5,009	5,026	5,288	5,071	5,563	5,717	5,834				
Usually work full-time .....	1,593	1,657	1,455	1,680	1,729	1,759	2,006	1,945	2,121	1,783	2,193	2,237	2,223				
Usually work part-time .....	2,607	2,607	2,568	2,694	2,621	2,897	3,003	3,081	3,167	3,287	3,370	3,480	3,611				
Part time for noneconomic reasons .....	12,635	12,610	12,774	12,538	12,752	12,428	12,489	12,382	12,274	12,251	12,300	12,183	12,427				

<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. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982	Apr. 1981	Apr. 1982
<b>VETERANS</b>										
Total, 25 years and over	8,507	8,675	8,070	8,181	7,510	7,472	460	709	5.7	8.7
25 to 39 years	7,325	7,194	7,041	5,884	6,512	6,240	429	644	6.1	9.4
25 to 29 years	1,535	1,277	1,419	1,176	1,288	971	131	205	9.2	17.4
30 to 34 years	3,396	3,023	3,280	2,898	3,395	2,629	185	269	5.6	9.3
35 to 39 years	2,394	2,394	2,342	2,810	2,229	2,640	113	170	4.8	6.0
40 years and over	1,182	1,481	1,029	1,297	998	1,232	31	65	3.0	5.0
<b>NONVETERANS</b>										
Total, 25 to 39 years	17,012	17,999	16,128	17,045	15,169	15,633	959	1,412	5.9	8.3
25 to 29 years	7,788	8,101	7,316	7,624	6,783	6,870	533	754	7.3	9.9
30 to 34 years	5,357	5,867	5,119	5,629	4,875	5,199	244	430	4.8	7.6
35 to 39 years	3,867	4,031	3,693	3,792	3,511	3,564	182	228	4.9	6.0

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.





# 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. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
-	<b>TOTAL</b> .....	90,720	91,337	89,945	90,192	90,451	-	-	-	-	-
-	<b>PRIVATE SECTOR</b> .....	74,227	74,880	73,839	74,003	74,289	60,115	60,736	59,490	59,632	59,912
-	<b>MINING</b> .....	1,084	941	1,145	1,144	1,141	800	682	833	932	924
10	<b>METAL MINING</b> .....	102.6	102.2	88.1	84.3	-	77.5	77.2	65.8	62.7	-
101	Iron ores .....	21.9	22.4	18.5	15.5	-	17.1	17.7	14.2	11.6	-
102	Copper ores .....	36.3	36.2	31.9	31.6	-	28.1	28.0	24.1	23.9	-
11, 12	<b>COAL MINING</b> .....	252.9	93.0	254.5	255.9	-	208.6	77.2	210.4	211.3	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	249.5	89.5	251.1	252.6	-	205.6	74.1	207.4	208.3	-
13	<b>OIL AND GAS EXTRACTION</b> .....	615.1	626.9	700.5	599.0	-	428.1	436.1	482.2	479.7	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	242.2	245.1	272.5	273.3	-	106.4	107.1	116.9	117.8	-
138	Oil and gas field services .....	372.9	381.8	428.0	425.2	-	321.7	329.0	365.3	361.9	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	113.1	118.7	101.4	105.2	-	86.0	91.3	74.5	78.2	-
142	Crushed and broken stone .....	33.7	36.8	27.9	29.8	-	27.1	30.2	21.3	23.3	-
144	Sand and gravel .....	31.8	33.9	26.7	28.6	-	-	-	-	-	-
147	Chemical and fertilizer minerals .....	27.0	27.1	26.4	26.2	-	-	-	-	-	-
-	<b>CONSTRUCTION</b> .....	4,048	4,246	3,703	3,769	3,869	3,107	3,299	2,769	2,835	2,936
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	1,110.9	1,157.1	988.4	996.2	-	821.7	867.5	710.0	718.9	-
152	Residential building construction .....	540.0	579.1	483.5	488.2	-	382.4	420.4	330.0	334.9	-
153	Operative builders .....	60.5	61.3	49.1	48.9	-	32.8	32.8	24.2	24.2	-
154	Nonresidential building construction .....	510.4	516.7	455.8	459.1	-	406.5	414.3	355.8	359.8	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	795.1	865.4	726.8	754.6	-	626.4	694.9	561.4	589.9	-
161	Highway and street construction .....	191.8	229.4	150.6	162.8	-	153.4	189.6	115.4	127.4	-
162	Heavy construction, except highway .....	603.3	636.0	576.2	591.8	-	473.0	505.3	446.0	462.5	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	2,141.5	2,223.7	1,987.8	2,018.0	-	1,658.9	1,737.0	1,497.5	1,526.9	-
171	Plumbing, heating, air conditioning .....	532.8	536.8	514.1	509.3	-	394.3	397.8	372.0	367.5	-
172	Painting, paper hanging, decorating .....	121.6	133.4	114.0	116.5	-	98.0	109.2	90.6	92.5	-
173	Electrical work .....	404.3	407.0	394.6	395.9	-	309.4	311.8	299.0	300.4	-
174	Masonry, stonework, and plastering .....	351.2	359.3	309.6	317.1	-	299.1	307.0	255.5	262.2	-
175	Carpentering and flooring .....	119.1	128.3	107.3	109.1	-	87.8	96.8	75.5	77.8	-
176	Roofing and sheet metal work .....	152.8	162.9	136.8	143.3	-	120.3	129.8	103.0	109.3	-
-	<b>MANUFACTURING</b> .....	20,160	20,253	19,410	19,315	19,182	14,049	14,127	13,243	13,168	13,057
24, 25, 32-39	<b>DURABLE GOODS</b> .....	12,123	12,197	11,536	11,482	11,384	8,345	8,412	7,729	7,686	7,598
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	8,040	8,056	7,874	7,833	7,798	5,704	5,715	5,514	5,482	5,459
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	678.3	686.9	610.3	609.8	613.5	563.8	571.6	498.8	497.9	502.0
241	Logging camps and logging contractors .....	78.6	77.6	76.4	72.5	-	61.0	59.7	58.3	54.2	-
242	Sawmills and planing mills .....	207.6	211.3	186.4	187.8	-	183.0	186.7	163.3	164.9	-
2421	Sawmills and planing mills, general .....	172.2	175.6	155.8	157.0	-	152.4	155.8	137.2	138.5	-
2426	Hardwood dimension and flooring .....	30.8	31.1	26.8	26.9	-	26.5	26.9	22.8	22.9	-
243	Millwork, plywood, and structural members .....	205.9	207.2	176.8	177.0	-	170.0	171.5	142.4	141.7	-
2431	Millwork .....	71.2	72.0	62.1	61.6	-	57.3	58.1	48.1	47.5	-
2434	Wood kitchen cabinets .....	49.6	49.6	41.9	41.5	-	39.6	39.8	32.2	31.9	-
2435	Hardwood veneer and plywood .....	26.8	27.1	24.4	24.2	-	23.6	23.9	21.4	21.0	-
2436	Softwood veneer and plywood .....	42.6	42.8	36.6	37.4	-	37.9	38.1	32.4	32.4	-
244	Wood containers .....	42.4	42.7	40.0	39.8	-	36.4	36.6	33.7	33.7	-
245	Wood buildings and mobile homes .....	63.5	67.2	56.3	58.2	-	46.4	49.6	39.3	41.6	-
2451	Mobile homes .....	45.6	48.3	43.3	45.1	-	34.6	36.9	31.7	33.9	-
249	Miscellaneous wood products .....	80.3	80.9	74.4	74.5	-	67.0	67.5	61.8	61.8	-
25	<b>FURNITURE AND FIXTURES</b> .....	472.1	478.0	459.7	455.1	451.7	380.9	386.0	365.8	361.1	358.5
251	Household furniture .....	310.7	315.1	294.6	291.1	-	260.4	264.4	243.8	240.3	-
2511	Wood household furniture .....	141.3	142.6	133.4	131.0	-	122.4	123.8	115.0	112.8	-
2512	Upholstered household furniture .....	96.4	97.7	91.3	90.7	-	78.9	80.1	73.3	72.6	-
2514	Metal household furniture .....	30.7	31.5	30.2	29.8	-	25.1	26.0	24.3	23.9	-
2515	Mattresses and bedsprings .....	30.0	30.0	27.8	27.7	-	23.0	22.9	20.9	20.7	-
252	Office furniture .....	50.6	51.2	52.3	51.4	-	39.6	39.9	40.4	39.3	-
253	Public building and related furniture .....	23.7	23.8	25.3	25.3	-	17.7	17.6	18.9	19.0	-
254	Partitions and fixtures .....	59.9	60.5	59.5	59.1	-	44.5	45.2	43.6	43.2	-
259	Miscellaneous furniture and fixtures .....	27.2	27.4	28.0	28.2	-	19.7	18.9	19.1	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. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
<b>32</b>	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	<b>639.5</b>	<b>652.6</b>	<b>584.5</b>	<b>588.8</b>	<b>593.7</b>	<b>490.1</b>	<b>503.0</b>	<b>439.1</b>	<b>443.6</b>	<b>448.1</b>
321	Flat glass	19.1	19.3	15.7	16.0	-	14.6	14.9	11.9	12.3	-
322	Glass and glassware, pressed or blown	121.5	122.7	116.7	116.3	-	102.0	103.5	98.4	97.9	-
3221	Glass containers	66.8	68.0	64.9	64.4	-	58.1	59.6	56.9	56.5	-
3229	Pressed and blown glass, nec	54.7	54.7	51.8	51.9	-	43.9	43.9	41.5	41.4	-
323	Products of purchased glass	46.7	46.8	44.2	44.0	-	32.2	32.2	30.0	29.8	-
324	Cement, hydraulic	28.9	29.2	26.7	27.2	-	22.7	23.0	20.9	21.4	-
325	Structural clay products	42.4	44.0	35.9	35.4	-	31.7	33.2	25.9	25.7	-
326	Pottery and related products	44.8	44.3	40.3	41.0	-	36.8	36.4	32.5	33.1	-
327	Concrete, gypsum, and plaster products	185.9	195.4	160.2	164.6	-	140.5	150.1	117.5	121.7	-
3271	Concrete block and brick	19.1	20.2	16.6	16.9	-	13.0	14.1	10.6	11.0	-
3272	Concrete products, nec	61.2	63.1	55.0	56.0	-	45.0	46.9	39.7	40.5	-
3273	Ready-mixed concrete	85.4	91.9	69.9	73.0	-	66.1	72.6	52.2	55.2	-
329	Misc. nonmetallic mineral products	138.7	139.4	133.0	132.3	-	100.3	100.4	92.6	92.2	-
3291	Abrasive products	28.9	29.1	28.5	28.0	-	19.7	19.7	18.5	18.0	-
3292	Asbestos products	17.3	17.3	15.8	15.8	-	13.4	13.3	11.8	11.7	-
3296	Mineral wool	31.6	31.4	30.2	29.6	-	-	-	-	-	-
<b>33</b>	<b>PRIMARY METAL INDUSTRIES</b>	<b>1,141.3</b>	<b>1,149.9</b>	<b>1,025.0</b>	<b>1,013.8</b>	<b>998.6</b>	<b>880.9</b>	<b>889.7</b>	<b>770.6</b>	<b>762.1</b>	<b>750.5</b>
331	Blast furnace and basic steel products	512.6	518.5	451.5	442.7	-	398.8	405.0	340.3	333.5	-
3312	Blast furnaces and steel mills	429.8	435.0	376.9	368.6	-	335.7	341.0	284.8	278.4	-
3317	Steel pipe and tubes	31.9	31.9	29.0	29.2	-	24.7	24.9	21.8	22.0	-
332	Iron and steel foundries	207.1	207.9	184.2	183.2	-	166.0	166.9	144.6	143.2	-
3321	Gray iron foundries	125.5	126.3	110.9	110.3	-	102.5	103.4	88.9	88.2	-
3322	Malleable iron foundries	15.6	15.8	13.4	13.5	-	12.0	12.3	10.1	10.1	-
3325	Steel foundries, nec	53.9	53.9	48.8	48.5	-	42.6	42.5	38.1	37.6	-
333	Primary nonferrous metals	71.8	71.8	65.7	64.2	-	54.1	54.1	48.0	46.8	-
3334	Primary aluminum	36.8	36.9	31.9	30.8	-	28.4	28.5	23.8	23.2	-
335	Nonferrous rolling and drawing	207.2	208.1	190.3	191.3	-	148.7	149.4	134.6	136.2	-
3351	Copper rolling and drawing	29.1	29.4	26.7	26.3	-	22.0	22.1	19.9	19.7	-
3353	Aluminum sheet, plate, and foil	34.7	34.6	29.4	30.1	-	26.5	26.6	22.2	23.1	-
3357	Nonferrous wire drawing and insulating	86.7	87.7	81.7	81.7	-	63.0	63.7	57.6	57.9	-
336	Nonferrous foundries	91.2	92.5	84.8	84.4	-	74.1	75.3	67.4	67.1	-
3361	Aluminum foundries	52.0	52.6	47.5	47.4	-	43.3	44.0	38.5	38.6	-
<b>34</b>	<b>FABRICATED METAL PRODUCTS</b>	<b>1,585.4</b>	<b>1,593.7</b>	<b>1,494.5</b>	<b>1,483.9</b>	<b>1,466.8</b>	<b>1,172.0</b>	<b>1,178.1</b>	<b>1,080.8</b>	<b>1,072.4</b>	<b>1,063.2</b>
341	Metal cans and shipping containers	71.7	72.4	68.4	68.4	-	60.4	61.2	57.8	57.8	-
3411	Metal cans	58.7	59.4	56.2	55.3	-	49.9	50.7	48.3	48.3	-
342	Cutlery, hand tools, and hardware	169.4	171.4	154.0	151.9	-	130.3	131.9	113.4	111.9	-
3423.5	Hand and edge tools, and hand saws and blades	58.9	58.8	55.1	54.2	-	45.1	44.9	41.3	40.7	-
3429	Hardware, nec	95.7	97.8	85.3	84.3	-	73.5	75.5	62.5	61.8	-
343	Plumbing and heating, except electric	67.4	67.2	66.7	66.1	-	48.4	43.1	46.4	45.8	-
3432	Plumbing fittings and brass goods	23.7	24.1	24.9	25.0	-	19.1	19.4	19.7	19.7	-
3433	Heating equipment, except electric	32.7	32.1	31.4	30.5	-	21.6	21.1	20.1	19.4	-
344	Fabricated structural metal products	497.9	498.4	468.3	462.8	-	339.3	339.1	312.5	307.6	-
3441	Fabricated structural metal	96.7	95.7	91.5	88.6	-	69.6	68.3	64.8	62.1	-
3442	Metal doors, sash, and trim	76.8	76.7	70.0	69.5	-	55.4	55.3	49.1	48.5	-
3443	Fabricated plate work (boiler shops)	149.1	148.9	140.4	139.1	-	90.5	90.3	83.2	82.3	-
3444	Sheet metal work	108.3	109.5	104.9	104.8	-	78.7	79.4	75.1	75.0	-
3446	Architectural metal work	32.1	32.1	30.1	30.0	-	22.6	22.8	20.9	20.8	-
345	Screw machine products, bolts, etc.	104.4	104.3	96.3	95.0	-	80.5	80.3	73.0	71.9	-
3451	Screw machine products	49.1	49.2	46.4	46.1	-	39.9	40.0	36.8	36.5	-
3452	Bolts, nuts, rivets, and washers	55.3	55.1	49.9	48.9	-	40.6	40.3	36.2	35.4	-
346	Metal forgings and stampings	258.7	262.0	230.9	232.6	-	204.7	207.9	179.6	181.8	-
3462	Iron and steel forgings	45.1	45.1	40.2	39.1	-	35.0	35.0	30.8	29.7	-
3465	Automotive stampings	92.7	95.2	78.7	81.1	-	76.4	78.9	64.5	67.4	-
3469	Metal stampings, nec	108.2	109.0	100.2	100.6	-	83.4	84.1	75.2	75.7	-
347	Metal services, nec	102.0	103.2	99.9	99.6	-	82.0	83.0	79.5	79.1	-
3471	Plating and polishing	69.2	70.0	66.6	66.4	-	56.4	57.2	54.1	53.9	-
3479	Metal coating and allied services	32.8	33.2	33.3	33.2	-	25.6	25.8	25.4	25.2	-
348	Ordnance and accessories, nec	59.8	60.0	61.4	61.6	-	39.1	39.2	39.4	39.7	-
3483	Ammunition, exc. for small arms, nec	25.2	25.2	25.3	25.4	-	16.8	16.6	16.3	16.6	-
349	Misc. fabricated metal products	254.1	254.8	248.6	245.9	-	187.3	187.4	179.2	176.8	-
3494	Valves and pipe fittings	103.5	104.5	103.1	102.4	-	71.1	71.9	69.2	68.6	-
3496	Misc. fabricated wire products	55.4	55.5	54.1	53.7	-	43.2	43.1	41.2	40.7	-
<b>35</b>	<b>MACHINERY, EXCEPT ELECTRICAL</b>	<b>2,504.3</b>	<b>2,506.1</b>	<b>2,457.7</b>	<b>2,429.1</b>	<b>2,393.6</b>	<b>1,596.4</b>	<b>1,596.9</b>	<b>1,528.3</b>	<b>1,503.0</b>	<b>1,472.4</b>
351	Engines and turbines	131.4	130.5	127.6	123.5	-	84.9	83.9	81.7	77.6	-
3511	Turbines and turbine generator sets	41.6	41.4	39.7	40.0	-	22.3	22.1	21.3	21.3	-
3519	Internal combustion engines, nec	89.8	89.1	87.9	83.5	-	62.6	61.8	60.4	56.3	-
352	Farm and garden machinery	173.1	171.7	157.9	141.8	-	117.0	116.1	105.7	91.9	-
3523	Farm machinery and equipment	148.4	148.0	130.9	115.0	-	99.0	98.9	85.2	71.9	-
353	Construction and related machinery	393.4	395.0	400.0	394.9	-	258.8	259.7	257.9	253.5	-
3531	Construction machinery	144.9	145.9	141.2	138.9	-	97.3	97.9	89.9	87.8	-

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. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3532	Mining machinery	38.7	38.1	36.4	36.0	-	24.1	23.9	22.5	22.2	-
3533	Oil field machinery	134.0	105.7	118.6	118.6	-	72.1	73.2	83.3	83.1	-
3535	Conveyers and conveying equipment	33.9	33.6	33.4	33.2	-	19.2	19.0	18.2	18.0	-
3537	Industrial trucks and tractors	36.4	35.9	34.5	33.2	-	24.4	23.9	21.9	20.8	-
354	Metalworking machinery	361.1	360.8	345.1	340.7	-	262.2	261.6	244.0	240.2	-
3541	Machine tools, metal cutting types	80.3	80.0	72.7	71.6	-	52.5	52.3	45.7	44.5	-
3542	Machine tools, metal forming types	26.0	25.7	24.6	24.2	-	16.4	16.2	15.3	15.0	-
3544	Special dies, tools, jigs, and fixtures	134.2	135.1	130.7	130.0	-	107.4	108.1	102.3	101.6	-
3545	Machine tool accessories	68.0	68.5	66.9	65.6	-	48.0	48.3	45.9	45.1	-
3546	Power driven hand tools	30.0	28.9	26.8	26.2	-	23.2	22.1	19.7	19.2	-
355	Special industry machinery	206.1	205.6	191.5	190.5	-	130.4	129.9	118.8	117.4	-
3551	Food products machinery	45.6	45.0	42.5	42.5	-	29.2	28.7	27.1	27.0	-
3552	Textile machinery	25.6	25.4	22.5	22.8	-	17.8	17.7	15.4	15.4	-
3555	Printing trades machinery	42.5	42.7	42.7	42.2	-	26.2	26.4	26.2	25.6	-
356	General industrial machinery	315.0	315.3	300.2	296.3	-	204.1	204.5	190.4	187.7	-
3561	Pumps and pumping equipment	62.0	62.4	61.5	61.1	-	36.0	36.5	35.8	35.6	-
3562	Ball and roller bearings	57.2	57.3	50.8	50.2	-	44.5	44.6	38.4	37.9	-
3563	Air and gas compressors	30.3	30.2	29.6	29.2	-	18.2	18.0	16.8	16.5	-
3564	Blowers and fans	40.8	40.7	38.2	38.1	-	25.4	25.4	23.5	23.6	-
3566	Speed changers, drives, and gears	26.4	26.7	24.9	24.3	-	17.4	17.7	16.2	15.8	-
3568	Power transmission equipment, nec	21.5	21.8	21.2	20.7	-	15.2	15.4	14.9	14.5	-
357	Office and computing machines	442.8	443.9	468.0	471.2	-	182.4	182.6	188.3	190.6	-
3573	Electronic computing equipment	363.5	364.7	392.3	395.9	-	139.8	139.8	149.3	152.0	-
358	Refrigeration and service machinery	191.2	181.6	175.2	174.4	-	125.7	127.0	120.7	119.6	-
3585	Refrigeration and heating equipment	124.8	125.1	117.8	117.6	-	87.5	88.5	82.1	81.5	-
359	Misc. machinery, except electrical	300.2	301.7	292.2	295.6	-	230.9	231.6	220.8	224.5	-
3592	Carburetors, pistons, rings, valves	41.5	42.4	34.5	39.9	-	33.9	34.8	25.9	31.2	-
3599	Machinery, except electrical, nec	258.7	259.3	257.7	255.9	-	197.0	196.8	194.9	193.3	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>	<b>2,119.5</b>	<b>2,129.7</b>	<b>2,088.1</b>	<b>2,074.8</b>	<b>2,071.9</b>	<b>1,337.0</b>	<b>1,343.7</b>	<b>1,282.8</b>	<b>1,270.3</b>	<b>1,263.5</b>
361	Electric distributing equipment	120.3	120.9	115.2	112.9	-	85.1	85.7	81.2	79.4	-
3612	Transformers	51.8	52.0	50.2	49.7	-	36.7	36.6	35.8	35.6	-
3613	Switchgear and switchboard apparatus	68.5	68.9	65.0	63.2	-	48.4	49.1	45.4	43.8	-
362	Electrical industrial apparatus	237.8	239.4	226.3	222.6	-	169.3	170.6	158.9	155.5	-
3621	Motors and generators	122.2	123.3	115.2	113.0	-	94.0	94.8	87.7	85.8	-
3622	Industrial controls	70.2	70.3	67.5	66.6	-	43.5	43.6	40.9	39.8	-
363	Household appliances	159.9	170.1	149.9	143.3	-	136.5	136.1	114.7	108.8	-
3632	Household refrigerators and freezers	39.1	39.0	33.3	32.0	-	32.6	32.2	26.4	25.1	-
3633	Household laundry equipment	20.6	20.9	19.3	18.9	-	16.2	16.5	14.6	14.3	-
3634	Electric housewares and fans	51.5	51.4	45.6	46.8	-	41.5	41.2	34.6	36.0	-
364	Electric lighting and wiring equipment	209.9	211.5	204.4	202.4	-	156.0	157.3	149.0	147.3	-
3641	Electric lamps	34.8	34.4	35.4	35.2	-	30.7	30.2	31.5	31.3	-
3643	Current-carrying wiring devices	88.3	89.2	87.9	86.5	-	60.6	61.4	58.3	57.2	-
3644	Noncurrent-carrying wiring devices	23.1	23.3	21.7	21.4	-	16.8	17.0	15.5	15.2	-
3645	Residential lighting fixtures	25.9	26.4	23.4	23.5	-	19.8	20.2	17.4	17.5	-
365	Radio and TV receiving equipment	108.7	107.9	100.7	100.9	-	77.2	76.7	68.7	68.5	-
3651	Radio and TV receiving sets	86.7	85.9	81.1	80.7	-	60.0	59.3	54.2	53.7	-
366	Communication equipment	541.7	542.0	548.6	550.0	-	263.1	263.1	260.8	261.0	-
3661	Telephone and telegraph apparatus	156.6	156.1	145.6	144.9	-	104.4	104.0	96.2	95.1	-
3662	Radio and TV communication equipment	385.1	385.9	403.0	405.1	-	158.7	159.1	164.6	165.9	-
367	Electronic components and accessories	566.0	571.0	580.6	581.5	-	330.3	333.1	334.7	335.6	-
3671-3	Electronic tubes	43.5	43.7	43.0	42.4	-	26.9	27.0	26.0	25.7	-
3674	Semiconductors and related devices	234.1	237.1	236.6	236.6	-	97.6	98.9	96.0	95.4	-
3679	Electronic components, nec	217.3	218.3	229.1	229.9	-	151.1	152.0	157.8	158.9	-
369	Misc. electrical equipment and supplies	165.2	166.9	162.4	161.2	-	119.5	121.1	114.8	114.2	-
3691	Storage batteries	31.1	31.1	33.8	32.7	-	23.9	24.1	26.0	25.3	-
3694	Engine electrical equipment	79.3	80.3	72.1	73.1	-	60.6	61.7	54.0	55.0	-
37	<b>TRANSPORTATION EQUIPMENT</b>	<b>1,860.4</b>	<b>1,874.3</b>	<b>1,712.6</b>	<b>1,723.8</b>	<b>1,696.8</b>	<b>1,202.7</b>	<b>1,216.3</b>	<b>1,063.6</b>	<b>1,076.0</b>	<b>1,045.6</b>
371	Motor vehicles and equipment	734.4	749.9	636.4	657.3	-	548.7	565.0	464.9	485.7	-
3711	Motor vehicles and car bodies	322.4	331.1	261.2	282.7	-	228.9	237.6	179.4	200.1	-
3713	Truck and bus bodies	34.1	34.4	30.8	30.5	-	25.3	25.7	23.2	23.0	-
3714	Motor vehicle parts and accessories	345.3	351.2	309.5	309.8	-	269.9	276.3	236.7	237.3	-
3715	Truck trailers	26.8	27.5	29.2	28.3	-	20.4	21.1	21.3	20.8	-
372	Aircraft and parts	654.5	662.2	638.3	634.0	-	355.6	354.2	330.0	324.9	-
3721	Aircraft	363.6	363.2	351.6	348.5	-	177.2	178.0	163.7	160.1	-
3724	Aircraft engines and engine parts	162.5	160.7	150.7	149.7	-	93.0	91.3	87.2	86.0	-
3728	Aircraft equipment, nec	138.4	138.3	135.0	135.8	-	85.4	84.9	79.1	78.8	-
373	Ship and boat building and repairing	228.9	229.7	215.0	209.9	-	182.5	182.7	164.9	160.8	-
3731	Ship building and repairing	180.9	180.5	169.0	164.0	-	142.4	141.8	127.1	123.0	-
3732	Boat building and repairing	48.0	49.2	46.0	45.9	-	40.1	40.9	37.8	37.8	-
374	Railroad equipment	53.4	52.4	39.3	38.2	-	37.7	36.6	25.2	24.4	-
376	Guided missiles, space vehicles, parts	116.8	117.3	122.8	123.0	-	35.2	35.1	37.0	37.7	-
3761	Guided missiles and space vehicles	93.6	94.0	99.9	100.0	-	26.6	26.5	28.1	28.5	-

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. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
<b>TRANSPORTATION EQUIPMENT—Continued</b>											
379	Miscellaneous transportation equipment	40.6	40.3	41.2	41.7	-	27.0	25.9	27.5	28.4	-
3792	Travel trailers and campers	19.2	20.1	19.3	19.7	-	15.0	15.7	14.6	15.2	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	712.1	714.4	707.3	706.1	703.9	421.0	422.6	411.3	410.2	406.8
381	Engineering and scientific instruments	78.2	78.1	77.3	77.3	-	38.0	37.9	36.6	36.6	-
382	Measuring and controlling devices	243.4	245.7	240.0	238.0	-	151.9	153.7	148.8	147.1	-
3822	Environmental controls	47.9	47.9	42.9	42.2	-	33.0	33.0	28.3	28.1	-
3823	Process control instruments	55.2	55.5	56.0	56.1	-	29.1	29.3	29.0	29.3	-
3825	Instruments to measure electricity	103.8	104.2	105.0	104.7	-	64.5	64.7	66.7	65.6	-
383	Optical instruments and lenses	33.5	33.3	32.5	32.6	-	17.9	18.2	17.3	17.8	-
384	Medical instruments and supplies	159.0	158.4	161.4	161.4	-	101.5	100.2	101.4	101.0	-
3841	Surgical and medical instruments	73.2	73.7	75.9	75.8	-	45.6	45.2	45.3	45.1	-
3842	Surgical appliances and supplies	68.3	67.4	69.0	69.3	-	44.9	44.2	46.1	46.0	-
385	Ophthalmic goods	42.5	42.8	37.9	37.7	-	29.9	30.2	26.7	26.7	-
386	Photographic equipment and supplies	136.1	136.9	140.9	142.0	-	67.6	68.4	68.4	68.9	-
387	Watches, clocks, and watchcases	19.4	19.2	17.3	17.1	-	14.2	14.0	12.1	12.1	-
39	<b>MISCELLANEOUS MANUFACTURING</b>	406.7	411.3	396.5	397.2	393.2	300.6	304.1	287.8	288.9	285.2
<b>INDUSTRIES</b>											
391	Jewelry, silverware, and plated ware	54.4	54.8	56.5	56.2	-	38.7	39.2	39.8	39.6	-
3911	Jewelry, precious metal	35.2	35.8	36.0	35.7	-	24.7	25.2	25.2	25.0	-
393	Musical instruments	22.2	22.3	21.4	20.8	-	18.0	18.1	16.9	16.4	-
394	Toys and sporting goods	110.3	113.6	104.2	106.6	-	81.5	84.4	76.6	78.8	-
3942, 4	Dolls, games, toys, and children's vehicles	55.1	57.0	50.1	52.0	-	39.2	40.7	34.6	36.3	-
3949	Sporting and athletic goods, nec	55.2	56.6	54.1	54.6	-	42.3	43.7	42.0	42.5	-
395	Pens, pencils, office and art supplies	38.0	38.3	39.1	39.2	-	26.8	27.0	27.3	27.3	-
396	Costume jewelry and notions	47.8	48.1	43.4	42.6	-	37.1	37.0	32.8	32.3	-
3961	Costume jewelry	23.2	23.2	21.9	21.8	-	17.7	17.6	16.8	16.7	-
399	Miscellaneous manufactures	134.0	134.2	131.9	131.8	-	98.5	98.4	94.4	94.5	-
3993	Signs and advertising displays	48.0	47.8	47.7	47.7	-	34.9	34.4	34.0	34.2	-
<b>NONDURABLE GOODS</b>											
20	<b>FOOD AND KINDRED PRODUCTS</b>	1,632.5	1,631.0	1,613.1	1,608.4	1,591.9	1,104.3	1,103.4	1,091.0	1,087.4	1,069.2
201	Meat products	346.9	346.5	337.1	336.0	-	288.3	288.2	280.6	280.2	-
2011	Meat packing plants	157.3	157.0	152.9	151.0	-	129.0	128.8	126.1	124.5	-
2013	Sausages and other prepared meats	67.7	68.2	67.1	67.0	-	49.9	50.6	49.5	49.5	-
2016	Poultry dressing plants	108.3	108.2	104.5	105.7	-	97.8	97.6	94.2	95.6	-
202	Dairy products	171.6	172.5	168.1	168.0	-	94.2	94.8	92.4	92.6	-
2022	Cheese, natural and processed	35.5	35.8	33.9	33.8	-	27.3	27.5	25.6	25.5	-
2026	Fluid milk	99.5	99.5	96.7	96.4	-	44.4	44.5	43.2	43.3	-
203	Preserved fruits and vegetables	214.8	211.2	199.1	200.2	-	170.4	167.4	159.8	160.6	-
2032	Canned specialties	25.1	24.2	25.4	24.3	-	18.2	17.3	18.9	17.7	-
2033	Canned fruits and vegetables	73.7	71.3	63.3	64.4	-	57.3	54.6	48.8	49.6	-
2037	Frozen fruits and vegetables	42.4	42.8	39.4	40.7	-	36.2	36.9	34.1	35.2	-
204	Grain mill products	141.9	139.7	141.5	141.2	-	98.1	96.5	96.4	95.2	-
2041	Flour and other grain mill products	27.5	26.7	27.8	27.8	-	17.1	16.9	16.8	16.6	-
2048	Prepared feeds, nec	56.1	55.2	55.1	54.5	-	36.7	35.8	35.6	35.0	-
205	Bakery products	220.8	221.1	219.1	218.6	-	127.2	127.1	126.7	126.6	-
2051	Bread, cake, and related products	178.9	179.9	177.5	177.5	-	94.4	94.8	94.1	94.0	-
2052	Cookies and crackers	41.9	41.2	41.6	41.1	-	32.8	32.3	32.6	32.6	-
206	Sugar and confectionery products	102.9	102.9	112.7	107.5	-	76.4	76.1	87.0	82.0	-
2061-3	Cane and beet sugar	27.8	27.8	32.5	29.6	-	19.4	19.6	24.9	22.2	-
2065	Confectionery products	54.8	54.9	59.5	57.6	-	43.4	43.0	48.2	46.4	-
207	Fats and oils	43.9	43.4	45.3	45.2	-	32.6	32.1	34.1	33.9	-
208	Beverages	231.6	232.9	232.4	232.0	-	101.5	102.9	97.1	97.6	-
2082	Malt beverages	50.2	50.9	48.6	48.2	-	32.8	33.7	30.9	30.9	-
2086	Bottled and canned soft drinks	137.3	138.0	140.9	141.4	-	45.0	45.6	44.9	45.5	-
209	Misc. foods and kindred products	158.1	160.8	157.8	159.7	-	115.6	118.3	116.9	118.7	-
21	<b>TOBACCO MANUFACTURES</b>	68.3	66.2	68.8	65.4	63.0	52.4	50.2	53.6	50.4	48.0
211	Cigarettes	47.5	47.0	46.9	46.3	-	35.9	35.5	36.0	35.4	-
22	<b>TEXTILE MILL PRODUCTS</b>	840.9	841.6	795.1	777.2	785.1	729.5	729.3	682.7	665.5	674.7
221	Weaving mills, cotton	144.2	142.0	135.9	129.3	-	128.9	126.6	120.3	114.1	-
222	Weaving mills, synthetics	118.8	118.1	111.6	106.2	-	106.5	105.8	99.4	93.8	-
223	Weaving and finishing mills, wool	19.0	19.3	18.4	18.1	-	15.6	15.9	15.4	15.2	-
224	Narrow fabric mills	23.8	24.0	23.2	23.3	-	20.8	21.2	20.2	20.2	-
225	Knitting mills	217.3	220.3	202.7	202.3	-	188.1	190.6	173.8	173.1	-
2251	Women's hosiery, except socks	28.4	28.5	28.6	28.5	-	25.4	25.5	25.6	25.5	-
2252	Hosiery, nec	33.9	34.2	33.2	33.3	-	30.8	31.1	30.2	30.1	-
2253	Knit outerwear mills	58.7	70.8	64.7	64.9	-	58.4	60.1	54.0	54.2	-
2254	Knit underwear mills	31.4	31.4	28.5	28.1	-	27.3	27.3	24.3	23.8	-

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. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
<b>TEXTILE MILL PRODUCTS—Continued</b>											
2257	Circular knit fabric mills	32.0	32.1	26.2	26.4	-	27.2	27.2	21.9	22.1	-
226	Textile finishing, except wool	72.4	72.3	68.8	68.8	-	60.8	60.3	56.7	56.7	-
2261	Finishing plants, cotton	27.9	27.7	27.2	27.3	-	23.1	22.8	22.1	22.2	-
2262	Finishing plants, synthetics	29.2	29.3	27.7	27.2	-	24.7	24.7	23.0	22.6	-
227	Floor covering mills	52.5	52.4	49.2	48.6	-	42.3	42.3	39.1	38.5	-
228	Yarn and thread mills	125.8	125.6	121.2	117.5	-	113.4	113.3	108.1	104.4	-
2281	Yarn mills, except wool	84.6	84.7	81.7	80.5	-	77.7	77.7	73.9	72.8	-
2282	Throwing and winding mills	20.4	20.1	18.8	18.7	-	18.0	17.8	16.5	16.3	-
229	Miscellaneous textile goods	67.1	67.6	64.1	63.1	-	53.1	53.3	49.7	49.5	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	<b>1,250.2</b>	<b>1,255.2</b>	<b>1,208.5</b>	<b>1,199.0</b>	<b>1,181.4</b>	<b>1,066.9</b>	<b>1,069.5</b>	<b>1,023.8</b>	<b>1,017.9</b>	<b>1,003.0</b>
231	Men's and boys' suits and coats	76.3	76.8	79.0	78.2	-	66.8	67.2	68.8	68.1	-
232	Men's and boys' furnishings	345.2	350.5	337.1	332.3	-	294.7	293.5	286.9	282.7	-
2321	Men's and boys' shirts and nightwear	95.0	96.4	93.3	92.1	-	81.5	82.9	80.5	79.4	-
2327	Men's and boys' separate trousers	73.1	73.6	72.8	71.4	-	63.9	64.3	63.8	62.1	-
2328	Men's and boys' work clothing	98.5	101.3	97.9	95.7	-	82.4	84.7	81.1	79.3	-
233	Women's and misses' outerwear	416.6	414.9	397.4	394.9	-	358.1	355.6	340.5	339.3	-
2331	Women's and misses' blouses and waists	62.2	62.0	59.2	58.7	-	54.4	54.3	51.2	50.7	-
2335	Women's and misses' dresses	143.9	141.9	135.6	137.3	-	127.4	124.9	118.3	120.9	-
2337	Women's and misses' suits and coats	60.2	58.4	56.8	54.3	-	51.4	49.5	48.2	45.9	-
2339	Women's and misses' outerwear, nec.	150.3	152.6	145.8	144.6	-	124.9	126.9	122.8	121.8	-
234	Women's and children's undergarments	87.4	88.1	87.1	86.5	-	74.5	75.2	74.2	73.8	-
2341	Women's and children's underwear	69.7	70.5	69.7	69.3	-	60.6	61.4	61.0	60.7	-
2342	Brassieres and allied garments	17.7	17.6	17.4	17.2	-	13.9	13.8	13.2	13.1	-
236	Children's outerwear	65.4	64.4	64.0	63.1	-	55.7	54.8	54.2	53.4	-
2361	Children's dresses and blouses	28.3	27.4	28.3	27.5	-	25.4	24.6	25.3	24.5	-
236	Misc. apparel and accessories	55.0	55.2	51.5	51.0	-	46.9	46.9	43.0	42.7	-
239	Misc. fabricated textile products	183.0	183.5	172.4	173.1	-	151.6	151.5	139.3	141.2	-
2391	Curtains and draperies	27.0	27.4	27.1	26.5	-	22.4	22.8	22.3	21.8	-
2392	House furnishings, nec.	49.1	48.9	48.1	47.7	-	40.3	40.4	39.9	39.5	-
2396	Automotive and apparel trimmings	36.2	36.0	28.4	29.7	-	31.3	30.6	21.7	23.9	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	<b>688.6</b>	<b>690.9</b>	<b>671.4</b>	<b>671.0</b>	<b>667.1</b>	<b>518.5</b>	<b>520.0</b>	<b>500.5</b>	<b>500.9</b>	<b>499.0</b>
261, 2, 6	Paper and pulp mills	202.4	203.1	196.8	196.4	-	152.0	152.4	147.2	147.1	-
262	Paper mills, except building paper	175.0	175.6	171.7	171.3	-	130.2	130.7	126.9	126.8	-
263	Paperboard mills	64.6	64.5	62.7	62.7	-	50.5	50.5	48.8	48.5	-
264	Misc. converted paper products	219.2	220.2	216.6	217.0	-	161.5	162.2	157.6	158.1	-
2641	Paper coating and glazing	56.1	56.5	56.2	56.0	-	35.8	36.1	35.2	34.9	-
2642	Envelopes	25.8	25.8	25.5	25.4	-	20.2	20.2	19.8	19.8	-
2643	Bags, except textile bags	50.2	50.1	50.6	50.4	-	39.3	39.2	39.4	39.2	-
265	Paperboard containers and boxes	202.4	203.1	195.3	194.9	-	154.5	154.9	146.9	147.2	-
2651	Folding paperboard boxes	41.2	41.9	42.0	42.0	-	32.1	32.6	32.5	32.7	-
2653	Corrugated and solid fiber boxes	105.3	105.2	100.6	100.1	-	77.4	77.0	73.2	72.9	-
2654	Sanitary food containers	26.2	26.3	24.9	25.2	-	21.4	21.6	19.7	20.1	-
27	<b>PRINTING AND PUBLISHING</b>	<b>1,278.2</b>	<b>1,280.4</b>	<b>1,304.6</b>	<b>1,306.9</b>	<b>1,305.3</b>	<b>710.3</b>	<b>711.1</b>	<b>717.1</b>	<b>720.0</b>	<b>718.5</b>
271	Newspapers	426.8	426.8	438.1	437.2	-	163.9	163.6	166.0	165.8	-
272	Periodicals	91.3	90.8	96.0	96.1	-	17.8	17.6	20.0	20.4	-
273	Books	102.7	103.6	102.1	103.0	-	54.2	54.6	52.3	53.4	-
2731	Book publishing	72.7	73.3	72.5	73.2	-	29.1	29.3	27.9	29.0	-
2732	Book printing	30.0	30.3	29.6	29.8	-	25.1	25.3	24.4	24.4	-
274	Miscellaneous publishing	50.7	50.7	51.1	51.6	-	27.4	26.9	28.1	27.8	-
275	Commercial printing	428.8	430.4	437.0	438.6	-	316.7	317.6	319.8	321.6	-
2751	Commercial printing, letterpress	169.1	169.9	169.5	168.7	-	125.2	125.9	124.9	124.2	-
2752	Commercial printing, lithographic	236.6	237.2	243.9	246.4	-	172.5	172.5	176.2	178.6	-
276	Manifold business forms	48.4	48.2	48.8	48.8	-	33.6	33.4	34.0	33.9	-
278	Blankbooks and bookbinding	60.9	61.1	60.8	61.1	-	49.6	50.1	49.2	49.7	-
279	Printing trade services	44.8	44.9	45.5	45.5	-	33.1	33.3	33.4	33.3	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	<b>1,106.8</b>	<b>1,106.2</b>	<b>1,086.5</b>	<b>1,087.4</b>	<b>1,081.3</b>	<b>627.3</b>	<b>628.7</b>	<b>604.7</b>	<b>605.2</b>	<b>604.3</b>
281	Industrial inorganic chemicals	163.0	163.3	160.9	160.4	-	89.3	89.6	86.3	85.4	-
2819	Industrial inorganic chemicals, nec.	107.5	107.7	105.1	104.5	-	58.7	58.9	56.0	55.3	-
282	Plastics materials and synthetics	201.3	200.7	193.0	192.3	-	133.0	132.9	124.7	124.3	-
2821	Plastics materials and resins	79.4	79.7	77.6	77.1	-	46.3	46.8	44.9	44.8	-
2824	Organic fibers, noncellulosic	94.5	94.4	90.3	90.4	-	66.7	66.6	62.7	62.7	-
283	Drugs	199.3	199.4	200.7	200.4	-	98.6	98.9	98.9	98.6	-
2834	Pharmaceutical preparations	157.4	157.3	157.8	157.5	-	76.3	76.5	76.2	76.2	-
284	Soap, cleaners, and toilet goods	140.7	137.8	136.3	137.2	-	87.5	85.8	83.9	85.3	-
2841	Soap and other detergents	41.2	40.0	39.7	39.8	-	26.9	26.2	25.7	26.0	-
2844	Toilet preparations	57.4	56.1	54.9	56.0	-	38.0	37.1	36.0	37.1	-
2842, 3	Polishing, sanitation, and finishing preparations	42.1	41.7	41.7	41.4	-	22.6	22.5	22.2	22.2	-
285	Paints and allied products	64.3	64.5	61.1	61.0	-	31.7	32.0	29.5	29.2	-
286	Industrial organic chemicals	169.8	170.5	168.7	168.4	-	85.8	86.7	84.2	83.9	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
2865	Cyclic crudes and intermediates.....	34.8	35.2	34.2	33.9	-	21.0	21.5	21.0	20.7	-
2861.9	Gum, wood, and industrial organic chemicals, nec.....	135.0	135.3	134.5	134.5	-	64.8	65.2	63.2	63.2	-
287	Agricultural chemicals.....	73.8	75.1	71.8	72.8	-	46.8	48.0	44.4	45.3	-
289	Miscellaneous chemical products.....	94.9	94.9	94.0	94.9	-	54.6	54.8	52.8	53.2	-
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	207.3	209.5	197.5	198.4	199.2	130.8	132.6	116.7	117.1	119.9
291	Petroleum refining.....	167.7	168.1	164.1	164.0	-	102.6	102.8	94.8	94.1	-
295	Paving and roofing materials.....	27.0	28.8	21.6	22.4	-	20.3	21.8	14.7	15.8	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b> .....	737.2	743.5	715.8	708.5	709.6	569.4	574.4	546.5	541.1	543.2
301	Tires and inner tubes.....	121.9	121.8	121.3	113.7	-	86.4	86.2	85.6	80.2	-
302	Rubber and plastics footwear.....	20.1	20.3	18.1	19.7	-	17.8	18.0	15.6	17.1	-
303.4	Reclaimed rubber, and rubber and plastics hose and belting.....	23.1	23.6	21.0	20.5	-	16.1	16.6	14.6	14.4	-
306	Fabricated rubber products, nec.....	105.2	106.0	99.4	98.6	-	81.9	82.7	75.6	74.7	-
307	Miscellaneous plastics products.....	466.9	471.8	456.0	456.0	-	367.2	370.9	355.1	354.7	-
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	230.4	231.7	212.2	210.5	213.3	194.1	195.6	177.4	176.9	179.3
311	Leather tanning and finishing.....	19.7	20.1	17.8	18.0	-	16.5	17.0	14.6	14.8	-
314	Footwear, except rubber.....	142.2	142.5	129.8	129.4	-	121.4	122.0	110.6	110.7	-
3143	Men's footwear, except athletic.....	56.7	57.1	52.6	52.8	-	48.3	48.9	43.8	44.2	-
3144	Women's footwear, except athletic.....	52.1	51.6	46.0	44.7	-	44.4	43.9	39.7	38.5	-
316	Luggage.....	15.6	15.7	14.1	13.7	-	11.9	12.0	10.8	10.7	-
317	Handbags and personal leather goods.....	28.8	29.0	26.9	26.6	-	24.1	24.1	21.7	21.7	-
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	5,095	5,120	5,049	5,047	5,059	4,227	4,252	4,157	4,150	4,163
40	<b>RAILROAD TRANSPORTATION</b> .....	510.6	515.2	452.8	447.7	-	-	-	-	-	-
4011	Class I railroads <sup>2</sup> .....	459.5	465.2	407.0	401.9	-	-	-	-	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b> .....	276.7	275.3	288.6	290.6	-	256.7	255.4	268.4	270.2	-
411	Local and suburban transportation.....	83.0	83.3	84.8	84.7	-	76.1	76.3	77.3	77.3	-
412	Taxicabs.....	52.4	50.9	50.8	50.7	-	-	-	-	-	-
413	Intercity highway transportation.....	37.7	38.3	35.7	36.5	-	34.5	35.3	32.7	33.2	-
415	School buses.....	89.4	88.1	103.1	104.2	-	-	-	-	-	-
42	<b>TRUCKING AND WAREHOUSING</b> .....	1,219.6	1,226.1	1,180.0	1,182.2	-	1,061.5	1,067.3	1,022.3	1,024.1	-
421.3	Trucking and trucking terminals.....	1,138.3	1,146.1	1,099.9	1,103.1	-	993.3	1,000.3	955.1	957.8	-
422	Public warehousing.....	81.3	80.0	80.1	79.1	-	68.2	67.0	67.2	66.3	-
44	<b>WATER TRANSPORTATION</b> .....	201.4	209.5	188.5	188.6	-	-	-	-	-	-
45	<b>TRANSPORTATION BY AIR</b> .....	456.5	458.4	446.9	442.6	-	-	-	-	-	-
451.2	Air transportation.....	406.9	408.4	395.8	391.0	-	-	-	-	-	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b> .....	21.5	21.6	22.4	22.5	-	15.1	15.1	15.2	15.2	-
47	<b>TRANSPORTATION SERVICES</b> .....	200.1	199.1	212.1	215.7	-	-	-	-	-	-
48	<b>COMMUNICATION</b> .....	1,355.0	1,358.0	1,383.0	1,379.8	-	1,012.9	1,014.7	1,029.2	1,028.1	-
481	Telephone communication.....	1,065.2	1,066.2	1,076.5	1,072.0	-	776.4	776.6	777.0	773.8	-
483	Radio and television broadcasting.....	199.2	200.5	207.1	207.6	-	160.0	161.3	168.6	169.6	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b> .....	853.4	856.7	875.1	877.2	-	695.7	699.3	713.3	714.2	-
491	Electric services.....	426.2	407.6	416.9	417.8	-	329.3	330.4	335.8	336.2	-
492	Gas production and distribution.....	170.8	171.6	176.7	176.8	-	139.1	139.8	141.9	142.0	-
493	Combination utility services.....	205.1	205.8	208.1	208.5	-	166.0	167.3	172.4	172.5	-
495	Sanitary services.....	48.1	48.2	50.6	51.2	-	42.2	42.3	44.7	45.0	-
-	<b>WHOLESALE AND RETAIL TRADE</b> .....	20,290	20,513	20,538	20,590	20,637	17,710	17,935	17,930	17,972	18,075
50,51	<b>WHOLESALE TRADE</b> .....	5,293	5,317	5,284	5,284	5,285	4,310	4,329	4,275	4,276	4,276
50	<b>WHOLESALE TRADE—DURABLE GOODS</b> .....	3,144	3,165	3,155	3,153	-	2,556	2,572	2,541	2,540	-
501	Motor vehicles and automotive equipment.....	413.2	415.1	416.2	417.8	-	332.2	333.7	334.5	335.6	-
502	Furniture and home furnishing.....	118.1	118.6	123.2	122.8	-	96.4	96.7	101.3	101.0	-
503	Lumber and construction materials.....	190.5	193.9	179.3	179.0	-	156.6	159.7	145.9	145.6	-
504	Sporting goods, toys, and hobby goods.....	73.5	73.9	74.5	74.5	-	58.8	59.2	59.0	59.3	-
505	Metals and minerals, except petroleum.....	154.1	154.6	150.4	149.2	-	123.7	124.2	119.7	118.8	-
506	Electrical goods.....	418.9	419.8	425.8	425.1	-	338.0	338.3	342.3	341.6	-
507	Hardware, plumbing, and heating equipment.....	242.5	244.1	240.6	239.3	-	198.3	199.8	194.8	193.6	-

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. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
	<b>WHOLESALE TRADE-DURABLE GOODS—</b>										
	Continued										
508	Machinery, equipment, and supplies .....	1,327.5	1,337.3	1,355.8	1,357.9	-	1,078.0	1,085.1	1,085.6	1,087.6	-
509	Miscellaneous durable goods .....	205.3	207.7	188.7	187.7	-	173.8	175.7	157.8	156.5	-
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b>	2,149	2,152	2,129	2,131	-	1,754	1,757	1,734	1,736	-
511	Paper and paper products .....	153.4	154.0	156.8	157.4	-	124.3	125.1	126.4	126.1	-
512	Drugs, proprietaries, and sundries .....	149.1	149.7	151.5	151.6	-	126.3	126.7	128.3	128.5	-
513	Apparel, piece goods, and notions .....	167.7	166.6	167.3	168.3	-	132.1	130.7	131.0	131.6	-
514	Groceries and related products .....	669.9	671.2	658.5	654.7	-	572.6	574.2	563.8	560.7	-
516	Chemicals and allied products .....	128.5	127.5	130.4	130.7	-	92.6	91.6	93.3	93.6	-
517	Petroleum and petroleum products .....	224.2	225.6	221.8	222.0	-	168.1	169.6	166.7	166.6	-
518	Beer, wine, and distilled beverages .....	139.2	140.6	142.2	142.7	-	116.2	117.6	118.3	118.4	-
519	Miscellaneous nondurable goods .....	380.1	384.5	374.0	377.7	-	309.7	314.2	303.3	307.5	-
52-59	<b>RETAIL TRADE</b> .....	14,997	15,196	15,254	15,306	15,412	13,400	13,576	13,655	13,696	13,799
52	<b>BUILDING MATERIALS AND GARDEN</b>										
	<b>SUPPLIES</b> .....	606.7	624.7	576.3	583.5	-	511.0	528.4	482.4	489.6	-
521	Lumber and other building materials .....	316.4	322.9	300.1	301.5	-	265.8	272.8	251.3	252.5	-
525	Hardware stores .....	147.1	147.8	145.0	144.9	-	125.1	125.9	123.2	123.2	-
53	<b>GENERAL MERCHANDISE STORES</b> .....	2,171.7	2,191.1	2,219.2	2,197.5	-	1,970.2	1,970.3	2,041.6	2,023.1	-
531	Department stores .....	1,813.0	1,823.5	1,853.1	1,833.7	-	1,647.9	1,639.1	1,710.7	1,694.6	-
533	Variety stores .....	243.2	249.9	239.8	238.2	-	224.3	231.2	222.9	221.0	-
539	Misc. general merchandise stores .....	115.5	117.7	126.3	125.6	-	98.0	100.0	108.0	107.5	-
54	<b>FOOD STORES</b> .....	2,423.3	2,431.0	2,466.7	2,464.6	-	2,244.5	2,252.2	2,282.5	2,280.4	-
541	Grocery stores .....	2,125.0	2,127.3	2,170.3	2,168.2	-	1,973.0	1,975.6	2,014.3	2,011.7	-
542	Meat markets and freezer provisioners .....	56.0	57.1	54.8	55.0	-	-	-	-	-	-
546	Retail bakeries .....	125.4	126.6	125.4	127.1	-	115.3	116.2	115.5	117.2	-
55	<b>AUTOMOTIVE DEALERS AND SERVICE</b>										
	<b>STATIONS</b> .....	1,660.2	1,670.4	1,642.3	1,647.6	-	1,404.5	1,414.2	1,386.3	1,389.3	-
551,2	New and used car dealers .....	765.2	766.3	745.0	745.3	-	626.1	627.7	609.4	610.0	-
553	Auto and home supply stores .....	258.8	264.4	269.6	270.7	-	222.8	228.3	231.2	231.1	-
554	Gasoline service stations .....	558.7	559.9	554.6	556.0	-	488.9	490.1	484.4	484.8	-
56	<b>APPAREL AND ACCESSORY STORES</b>	951.8	971.5	967.7	968.8	-	812.1	830.2	822.4	824.2	-
561	Men's and boys' clothing and furnishings .....	130.0	131.3	134.4	131.6	-	109.6	110.6	113.8	111.2	-
562	Women's ready-to-wear stores .....	347.6	351.9	340.7	344.6	-	301.0	304.0	293.5	297.7	-
565	Family clothing stores .....	179.6	181.2	186.0	185.5	-	156.6	158.1	161.2	160.7	-
566	Shoe stores .....	194.0	205.7	205.2	205.1	-	159.1	171.0	166.8	167.5	-
57	<b>FURNITURE AND HOME FURNISHINGS</b>										
	<b>STORES</b> .....	600.6	602.7	607.4	603.7	-	496.3	497.7	502.1	498.4	-
571	Furniture and home furnishings stores .....	373.8	376.1	372.7	371.7	-	309.9	311.9	307.1	306.6	-
572	Household appliance stores .....	81.0	80.9	86.4	86.1	-	69.1	69.2	73.0	72.6	-
573	Radio, television, and music stores .....	145.8	145.7	148.3	145.9	-	117.3	116.6	122.0	119.2	-
58	<b>EATING AND DRINKING PLACES</b> .....	4,687.8	4,799.4	4,801.6	4,879.2	-	4,312.8	4,426.2	4,413.5	4,482.6	-
59	<b>MISCELLANEOUS RETAIL</b> .....	1,894.8	1,904.7	1,972.5	1,961.3	-	1,648.8	1,657.2	1,724.6	1,708.3	-
591	Drug stores and proprietary stores .....	476.7	476.1	486.0	485.6	-	430.2	429.9	437.4	435.1	-
592	Liquor stores .....	123.4	124.5	129.4	129.9	-	-	-	-	-	-
594	Miscellaneous shopping goods stores .....	606.4	603.8	645.3	643.2	-	514.2	512.9	554.7	551.2	-
596	Nonstore retailers .....	267.9	266.0	275.1	277.8	-	247.3	244.9	253.1	254.9	-
598	Fuel and ice dealers .....	107.0	102.9	109.4	107.8	-	89.9	86.0	91.8	90.1	-
599	Retail stores, nec. .....	257.7	273.7	270.7	260.2	-	215.7	229.5	229.4	218.1	-
-	<b>FINANCE, INSURANCE, AND REAL</b>										
	<b>ESTATE</b> .....	5,263	5,295	5,328	5,345	5,350	3,969	3,997	3,998	4,004	4,005
60	<b>BANKING</b> .....	1,607.8	1,612.0	1,640.0	1,642.2	-	1,229.5	1,232.5	1,237.1	1,231.6	-
602	Commercial and stock savings banks .....	1,456.1	1,469.2	1,495.9	1,498.2	-	1,114.9	1,116.9	1,121.6	1,116.2	-
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	579.6	580.0	577.7	580.0	-	440.9	440.8	436.9	438.8	-
612	Savings and loan associations .....	266.3	267.0	273.6	275.4	-	202.3	202.6	208.3	210.0	-
614	Personal credit institutions .....	200.1	199.9	199.0	189.6	-	154.4	154.1	146.1	145.8	-
62	<b>SECURITY, COMMODITY BROKERS, AND</b>										
	<b>SERVICES</b> .....	238.1	239.8	256.3	257.3	-	-	-	-	-	-
621	Security brokers and dealers .....	194.0	195.9	212.6	213.5	-	-	-	-	-	-
63	<b>INSURANCE CARRIERS</b> .....	1,235.0	1,233.7	1,237.0	1,238.9	-	858.8	857.1	853.5	855.6	-
631	Life insurance .....	533.6	532.4	536.7	537.6	-	331.0	330.8	335.6	337.7	-

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. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
	<b>INSURANCE CARRIERS—Continued</b>										
632	Medical service and health insurance	144.6	144.9	142.8	143.0	-	115.7	115.5	113.7	114.2	-
633	Fire, marine, and casualty insurance	483.5	483.1	487.0	488.2	-	354.7	353.5	349.9	350.0	-
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b>	453.0	465.4	471.9	473.5	-	-	-	-	-	-
65	<b>REAL ESTATE</b>	995.4	1,018.4	992.3	998.2	-	-	-	-	-	-
651	Real estate operators and lessors	465.3	474.3	469.5	474.9	-	-	-	-	-	-
653	Real estate agents and managers	379.0	382.0	378.5	379.1	-	-	-	-	-	-
655	Subdividers and developers	129.5	140.3	124.8	126.0	-	-	-	-	-	-
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC.</b>	21.2	21.2	21.0	21.1	-	-	-	-	-	-
67	<b>HOLDING AND OTHER INVESTMENT OFFICES</b>	122.7	124.5	132.1	133.6	-	-	-	-	-	-
	<b>SERVICES</b>	18,287	18,512	18,666	18,793	18,990	16,253	16,474	16,560	16,670	16,852
70	<b>HOTELS AND OTHER LODGING PLACES</b>	1,023.6	1,092.0	1,013.6	1,041.9	-	-	-	-	-	-
701	Hotels, motels, and tourist courts	993.5	1,058.7	984.3	1,010.5	-	910.5	969.4	898.3	922.1	-
72	<b>PERSONAL SERVICES</b>	902.3	904.8	920.5	922.3	-	-	-	-	-	-
721	Laundry, cleaning, and garment services	352.3	353.9	350.7	350.3	-	314.3	315.8	311.8	311.4	-
723	Beauty shops	283.3	284.0	289.8	293.7	-	262.6	264.1	268.5	272.0	-
726	Funeral service and crematories	71.1	72.3	74.2	74.4	-	-	-	-	-	-
73	<b>BUSINESS SERVICES</b>	3,218.3	3,255.1	3,300.4	3,306.8	-	2,809.9	2,847.1	2,869.4	2,875.8	-
731	Advertising	155.5	155.7	158.2	159.3	-	118.7	119.1	122.2	123.2	-
732	Credit reporting and collection	71.2	71.5	69.5	69.6	-	-	-	-	-	-
733	Mailing, reproduction, stenographic	127.2	126.3	133.0	132.3	-	-	-	-	-	-
734	Services to buildings	503.6	512.4	526.4	528.0	-	455.8	464.0	479.1	481.3	-
736	Personnel supply services	582.6	595.4	550.2	558.0	-	-	-	-	-	-
737	Computer and data processing services	333.7	336.7	364.1	363.1	-	280.5	282.2	296.2	295.8	-
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b>	574.9	575.4	583.0	584.8	-	489.3	489.7	494.0	495.7	-
753	Automotive repair shops	349.8	353.1	356.2	356.4	-	296.2	298.6	297.9	298.6	-
76	<b>MISCELLANEOUS REPAIR SERVICES</b>	292.1	292.2	297.1	298.4	-	243.9	244.2	251.0	252.3	-
78	<b>MOTION PICTURES</b>	207.3	210.5	192.3	199.7	-	177.5	160.1	162.4	168.3	-
781	Motion picture production and services	80.7	71.4	69.8	73.6	-	67.7	59.4	57.1	59.7	-
783	Motion picture theaters	115.9	128.1	112.0	115.6	-	-	-	-	-	-
79	<b>AMUSEMENT AND RECREATION SERVICES</b>	725.3	791.8	739.4	764.8	-	650.1	717.2	664.1	684.5	-
80	<b>HEALTH SERVICES</b>	5,448.7	5,461.7	5,665.5	5,631.9	-	4,855.0	4,883.4	5,073.5	5,089.4	-
801	Offices of physicians	768.2	771.5	797.7	801.1	-	629.3	633.4	653.8	657.6	-
802	Offices of dentists	350.9	352.2	371.6	371.9	-	307.1	309.8	329.9	328.8	-
805	Nursing and personal care facilities	1,033.6	1,034.9	1,067.4	1,070.9	-	933.8	935.7	965.4	966.9	-
806	Hospitals	2,840.7	2,846.3	2,957.3	2,964.1	-	2,600.1	2,608.1	2,713.3	2,720.2	-
81	<b>LEGAL SERVICES</b>	522.5	524.9	552.0	556.3	-	446.6	448.5	466.4	469.5	-
82	<b>EDUCATIONAL SERVICES</b>	1,217.9	1,203.2	1,219.5	1,227.7	-	-	-	-	-	-
821	Elementary and secondary schools	306.5	304.5	303.4	306.2	-	-	-	-	-	-
822	Colleges and universities	787.9	775.6	789.6	795.1	-	-	-	-	-	-
83	<b>SOCIAL SERVICES</b>	1,189.6	1,193.6	1,189.3	1,200.1	-	-	-	-	-	-
86	<b>MEMBERSHIP ORGANIZATIONS</b>	1,581.3	1,583.2	1,592.8	1,598.8	-	-	-	-	-	-
89	<b>MISCELLANEOUS SERVICES</b>	1,035.3	1,035.3	1,064.8	1,063.6	-	866.8	866.0	877.9	873.1	-
891	Engineering and architectural services	557.4	559.9	564.8	564.3	-	472.6	475.1	467.4	463.4	-
893	Accounting, auditing, and bookkeeping	344.5	342.4	363.8	363.2	-	282.2	279.8	296.7	296.0	-
	<b>GOVERNMENT</b>	16,493	16,457	16,106	16,189	16,163	-	-	-	-	-
	<b>FEDERAL GOVERNMENT</b>	2,769	2,773	2,723	2,721	2,722	-	-	-	-	-
	Executive, by agency <sup>4</sup>	2,715.3	2,718.5	2,668.6	2,666.5	-	-	-	-	-	-
	Department of Defense	894.2	899.1	928.0	933.0	-	-	-	-	-	-
	Postal Service	657.0	658.4	661.2	661.0	-	-	-	-	-	-
	Other executive agencies	1,154.1	1,161.0	1,079.4	1,072.5	-	-	-	-	-	-
	Legislative	39.1	39.1	38.6	38.6	-	-	-	-	-	-
	Judicial	15.0	15.0	15.4	15.4	-	-	-	-	-	-

See footnotes at end of table.



# ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
	<b>FEDERAL GOVERNMENT—Continued</b>										
	Federal Government, by industry										
-	Manufacturing activities	107.2	103.5	112.8	113.6	-	-	-	-	-	-
3731	Shipbuilding and repairing	57.1	57.1	60.2	60.4	-	-	-	-	-	-
-	Transportation and public utilities, except										
-	Postal Service	40.6	41.0	41.9	42.4	-	-	-	-	-	-
-	Services	403.9	402.9	400.2	400.3	-	-	-	-	-	-
806	Federal government hospitals	233.3	230.9	231.9	232.2	-	-	-	-	-	-
-	<b>STATE AND LOCAL GOVERNMENT</b>	13,724	13,684	13,383	13,468	13,441	-	-	-	-	-
-	State government	3,666.9	3,652.9	3,613.9	3,620.3	-	-	-	-	-	-
806	State government hospitals	534.6	533.5	532.5	531.8	-	-	-	-	-	-
82	State education	1,471.0	1,462.2	1,440.7	1,448.0	-	-	-	-	-	-
-	General administration including executive, legislative, and judicial functions	1,033.0	1,031.4	1,032.0	1,033.0	-	-	-	-	-	-
-	Local government	10056.6	10031.4	9,769.1	9,847.7	-	-	-	-	-	-
-	Transportation and public utilities	631.7	633.5	638.7	638.1	-	-	-	-	-	-
806	Local government hospitals	622.5	622.6	640.6	642.5	-	-	-	-	-	-
82	Local education	5,481.4	5,466.0	5,363.4	5,430.9	-	-	-	-	-	-
-	General administration including executive, legislative, and judicial functions	2,945.9	2,934.1	2,817.6	2,826.6	-	-	-	-	-	-

<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 1980 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustment" in the Explanatory notes of this publication.

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Jan. 1981	Feb. 1981	Dec. 1981	Jan. 1982	Feb. 1982
	<b>TOTAL</b> .....	38,604	38,734	39,939	39,091	39,236
	<b>PRIVATE SECTOR</b> .....	30,728	30,726	32,135	31,399	31,426
	<b>MINING</b> .....	113	116	135	134	135
10	<b>METAL MINING</b> .....	9.5	9.6	8.7	7.8	7.5
11, 12	<b>COAL MINING</b> .....	11.3	11.3	11.9	12.0	12.0
13	<b>OIL AND GAS EXTRACTION</b> .....	82.7	85.4	105.0	104.7	105.8
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	53.9	55.2	56.1	66.2	66.5
138	Oil and gas field services .....	28.8	30.2	38.9	38.5	39.3
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	9.6	9.4	9.7	9.3	9.2
142	Crushed and broken stone .....	2.5	2.5	2.6	2.5	2.4
144	Sand and gravel .....	3.1	2.9	3.0	2.8	2.8
	<b>CONSTRUCTION</b> .....	384	383	398	393	389
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	137.6	136.3	137.8	135.6	133.9
152	Residential building construction .....	81.4	80.0	83.1	80.8	79.4
153	Operative builders .....	14.4	14.7	13.8	14.1	14.2
154	Nonresidential building construction .....	41.8	41.6	40.9	40.7	40.3
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	56.8	56.2	61.3	58.7	57.6
161	Highway and street construction .....	14.3	14.2	14.5	12.9	12.9
162	Heavy construction, except highway .....	42.5	42.0	46.8	45.8	44.7
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	189.6	190.2	198.4	199.1	197.5
171	Plumbing, heating, air conditioning .....	52.5	52.3	54.8	55.5	55.1
172	Painting, paper hanging, decorating .....	12.0	12.2	11.9	12.5	12.0
173	Electrical work .....	35.8	36.1	37.6	37.5	37.7
174	Masonry, stonework, and plastering .....	22.4	22.5	24.1	23.9	23.7
175	Carpentering and flooring .....	15.3	15.4	15.0	15.1	15.2
176	Roofing and sheet metal work .....	13.2	13.2	13.8	13.5	13.5
	<b>MANUFACTURING</b> .....	6,238	6,260	6,281	6,147	6,144
24, 25, 32-39	<b>DURABLE GOODS</b> .....	3,000	3,006	3,004	2,958	2,942
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	3,238	3,254	3,277	3,189	3,202
	<b>DURABLE GOODS</b>					
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	102.5	102.7	95.4	94.0	92.9
241	Logging camps and logging contractors .....	5.1	5.0	5.4	5.3	5.3
242	Sawmills and planing mills .....	19.9	20.0	17.9	17.7	17.3
2421	Sawmills and planing mills, general .....	14.2	14.2	12.7	12.4	12.2
243	Millwork, plywood, and structural members .....	42.3	42.5	37.7	37.5	36.4
244	Wood containers .....	7.0	6.9	7.0	6.7	7.0
245	Wood buildings and mobile homes .....	7.7	7.7	7.5	7.0	7.1
249	Miscellaneous wood products .....	20.5	20.6	19.9	19.8	19.8
25	<b>FURNITURE AND FIXTURES</b> .....	141.0	142.6	143.2	139.6	139.1
251	Household furniture .....	101.9	102.8	101.9	98.8	98.2
2511	Wood household furniture .....	44.1	44.2	43.7	42.2	42.1
2512	Upholstered household furniture .....	33.8	33.8	33.7	32.3	32.1
2515	Mattresses and bedsprings .....	8.0	8.3	7.7	7.6	7.6
252	Office furniture .....	13.0	13.0	13.5	13.3	13.3
253	Public building and related furniture .....	5.1	5.1	5.7	5.7	5.8
254	Partitions and fixtures .....	10.5	10.6	10.5	10.4	10.5
259	Miscellaneous furniture and fixtures .....	10.5	11.1	11.6	11.4	11.3
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	125.0	125.3	124.4	120.8	120.3
322	Glass and glassware, pressed or blown .....	40.0	40.2	39.6	38.9	38.5
3221	Glass containers .....	22.2	22.3	21.9	21.5	21.7
3229	Pressed and blown glass, nec .....	17.8	17.9	17.7	17.4	16.8
323	Products of purchased glass .....	13.4	13.3	12.9	12.8	12.9
324	Cement, hydraulic .....	1.7	1.7	1.7	1.7	1.6
325	Structural clay products .....	6.4	6.4	6.5	6.3	6.1
326	Pottery and related products .....	14.8	14.9	14.1	12.6	13.4
327	Concrete, gypsum, and plaster products .....	15.0	14.8	14.5	14.5	14.2
329	Misc. nonmetallic mineral products .....	31.1	31.2	32.1	31.2	30.8
33	<b>PRIMARY METAL INDUSTRIES</b> .....	124.7	124.4	115.7	112.6	111.0
331	Blast furnace and basic steel products .....	39.6	40.4	37.3	36.1	35.2
3312	Blast furnaces and steel mills .....	29.7	30.1	27.5	26.7	26.0
332	Iron and steel foundries .....	18.4	18.4	16.4	16.8	16.6

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Jan. 1981	Feb. 1981	Dec. 1981	Jan. 1982	Feb. 1982
<b>PRIMARY METAL INDUSTRIES—Continued</b>						
3321	Gray iron foundries .....	8.9	8.8	7.6	7.9	7.7
3322	Malleable iron foundries .....	1.0	1.1	.9	1.0	.9
3325	Steel foundries, nec .....	4.8	4.8	4.5	4.5	4.4
333	Primary nonferrous metals .....	5.1	5.1	4.8	4.7	4.6
3334	Primary aluminum .....	2.2	2.2	2.0	1.9	1.8
335	Nonferrous rolling and drawing .....	40.7	39.4	36.8	34.9	34.3
3351	Copper rolling and drawing .....	3.3	3.4	3.3	3.2	3.2
3353	Aluminum sheet, plate, and foil .....	4.0	3.9	3.2	3.0	3.0
3357	Nonferrous wire drawing and insulating .....	25.2	23.8	23.1	21.4	20.9
336	Nonferrous foundries .....	15.3	15.4	14.9	14.4	14.6
3361	Aluminum foundries .....	7.9	7.9	7.8	7.4	7.4
34	<b>FABRICATED METAL PRODUCTS .....</b>	<b>331.2</b>	<b>331.6</b>	<b>321.9</b>	<b>316.4</b>	<b>313.5</b>
341	Metal cans and shipping containers .....	12.5	12.8	11.2	11.6	11.7
3411	Metal cans .....	10.8	11.0	9.5	9.9	10.0
342	Cutlery, hand tools, and hardware .....	56.4	56.7	54.6	53.0	51.5
3423, 5	Hand and edge tools, and hand saws and blades .....	16.2	16.4	16.4	16.1	15.9
3429	Hardware, nec .....	33.2	33.4	31.9	30.7	29.6
343	Plumbing and heating, except electric .....	15.9	16.1	16.9	16.4	16.4
344	Fabricated structural metal products .....	70.7	70.5	69.4	67.9	67.0
3441	Fabricated structural metal .....	7.4	7.3	7.4	7.3	7.2
3442	Metal doors, sash, and trim .....	20.0	19.6	18.7	18.2	17.9
3443	Fabricated plate work (boiler shops) .....	18.5	18.4	18.4	18.4	18.2
3444	Sheet metal work .....	15.5	15.7	15.4	15.0	14.8
345	Screw machine products, bolts, etc. ....	23.3	23.5	22.3	21.7	21.3
3451	Screw machine products .....	12.0	12.1	11.4	11.2	11.1
3452	Bolts, nuts, rivets, and washers .....	11.3	11.4	10.9	10.5	10.2
346	Metal forgings and stampings .....	52.0	51.5	47.2	46.3	45.9
3462	Iron and steel forgings .....	4.3	4.3	3.9	3.9	3.8
3465	Automotive stampings .....	12.6	11.9	10.7	10.1	10.0
3469	Metal stampings, nec .....	32.5	32.8	30.1	29.8	29.6
347	Metal services, nec .....	23.9	23.6	23.2	23.1	23.0
3471	Plating and polishing .....	16.9	16.8	16.7	16.6	16.6
3479	Metal coating and allied services .....	7.0	6.8	6.5	6.5	6.4
348	Ordinance and accessories, nec .....	17.3	17.2	17.1	17.3	17.3
349	Misc. fabricated metal products .....	59.2	59.7	60.0	59.1	59.4
3494	Valves and pipe fittings .....	22.4	22.5	22.9	23.1	22.8
3496	Misc. fabricated wire products .....	14.2	14.3	14.5	14.1	14.6
35	<b>MACHINERY, EXCEPT ELECTRICAL .....</b>	<b>500.5</b>	<b>500.6</b>	<b>512.6</b>	<b>507.8</b>	<b>506.9</b>
351	Engines and turbines .....	24.6	24.4	25.2	24.8	24.8
3511	Turbines and turbine generator sets .....	5.9	6.1	5.9	5.8	5.8
3519	Internal combustion engines, nec .....	18.7	18.3	19.3	19.0	19.0
352	Farm and garden machinery .....	28.6	28.2	26.8	26.8	26.9
3523	Farm machinery and equipment .....	21.4	23.9	18.7	18.4	19.0
353	Construction and related machinery .....	50.3	50.5	53.8	53.7	53.7
3531	Construction machinery .....	14.6	14.7	15.8	15.5	15.5
3533	Oil field machinery .....	14.7	14.7	17.5	17.8	18.0
354	Metalworking machinery .....	56.9	56.9	56.2	54.5	53.8
3541	Machine tools, metal cutting types .....	10.7	10.8	9.8	9.7	9.6
3544	Special dies, tools, jigs, and fixtures .....	15.1	15.2	15.5	14.9	14.8
3545	Machine tool accessories .....	13.3	13.2	13.4	13.3	13.2
355	Special industry machinery .....	30.8	30.6	29.4	29.3	28.9
3551	Food products machinery .....	6.0	5.9	5.5	5.5	5.5
3552	Textile machinery .....	5.1	5.1	4.7	4.8	4.5
3555	Printing trades machinery .....	7.3	7.2	7.4	7.5	7.6
356	General industrial machinery .....	62.1	62.7	60.8	59.9	59.4
3561	Pumps and pumping equipment .....	11.5	11.6	11.6	11.4	11.4
3562	Ball and roller bearings .....	14.1	14.3	13.1	12.9	12.6
357	Office and computing machines .....	158.9	158.4	171.8	171.8	173.0
3573	Electronic computing equipment .....	130.7	130.7	143.9	144.1	145.6
358	Refrigeration and service machinery .....	39.2	39.3	37.9	37.2	38.3
3585	Refrigeration and heating equipment .....	27.0	27.0	24.9	24.6	25.4
359	Misc. machinery, except electrical .....	49.1	49.6	50.7	49.8	48.1
3599	Machinery, except electrical, nec .....	38.9	38.9	41.1	40.4	40.0
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT .....</b>	<b>897.4</b>	<b>898.3</b>	<b>898.6</b>	<b>894.6</b>	<b>888.2</b>
361	Electric distributing equipment .....	44.8	45.6	45.8	44.4	43.8
3612	Transformers .....	17.8	18.3	18.8	18.0	17.5
3613	Switchgear and switchboard apparatus .....	27.0	27.3	27.0	26.4	26.3
362	Electrical industrial apparatus .....	89.5	90.0	87.1	86.1	84.3
3621	Motors and generators .....	49.1	49.3	47.6	47.1	45.6
3622	Industrial controls .....	28.5	28.5	27.1	27.1	27.0
363	Household appliances .....	59.7	60.2	53.1	55.7	54.9
3632	Household refrigerators and freezers .....	9.7	10.3	6.5	9.5	9.6
3633	Household laundry equipment .....	4.4	4.1	2.7	3.5	3.7
3634	Electric housewares and fans .....	27.9	28.6	28.0	26.1	25.1
364	Electric lighting and wiring equipment .....	94.3	94.7	92.5	91.8	92.2
3641	Electric lamps .....	21.9	21.8	20.3	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. 1981	Feb. 1981	Dec. 1981	Jan. 1982	Feb. 1982
<b>ELECTRIC AND ELECTRONIC EQUIPMENT—Continued</b>						
3643	Current-carrying wiring devices	41.5	41.9	43.1	41.4	41.8
365	Radio and TV receiving equipment	58.8	58.4	55.0	54.4	52.3
3651	Radio and TV receiving sets	45.2	45.0	42.9	43.2	40.9
366	Communication equipment	206.6	206.7	212.2	211.8	210.2
3661	Telephone and telegraph apparatus	76.2	76.2	72.8	71.6	71.0
3662	Radio and TV communication equipment	130.4	130.5	139.4	140.2	139.2
367	Electronic components and accessories	286.6	285.5	293.9	292.1	292.5
3671-3	Electronic tubes	16.2	16.4	15.7	15.7	15.8
3674	Semiconductors and related devices	108.6	107.7	108.2	108.7	108.8
3679	Electronic components, nec.	114.9	114.6	121.6	120.3	120.6
369	Misc. electrical equipment and supplies	57.1	57.2	59.0	58.3	58.0
3694	Engine electrical equipment	28.1	27.9	28.4	27.5	27.4
<b>TRANSPORTATION EQUIPMENT</b>						
37	Motor vehicles and equipment	292.6	292.2	295.0	289.9	286.6
371	Motor vehicles and equipment	102.4	99.1	99.6	93.3	91.4
3711	Motor vehicles and car bodies	36.8	34.6	35.3	30.4	29.5
3713	Truck and bus bodies	4.0	3.9	3.4	3.1	3.2
3714	Motor vehicle parts and accessories	58.1	57.1	56.9	55.9	54.8
372	Aircraft and parts	123.6	123.3	125.7	125.5	124.3
3721	Aircraft	66.8	67.3	72.1	71.9	70.9
3724	Aircraft engines and engine parts	29.3	28.8	26.7	26.6	26.4
3728	Aircraft equipment, nec.	27.5	27.2	26.9	27.0	27.0
373	Ship and boat building and repairing	22.2	22.9	24.3	23.4	23.5
3731	Ship building and repairing	16.2	16.6	17.7	17.2	16.8
374	Railroad equipment	5.9	5.7	4.8	4.6	4.3
376	Guided missiles, space vehicles, parts	25.9	26.1	28.6	28.5	28.4
3761	Guided missiles and space vehicles	21.5	21.7	23.9	23.8	23.7
379	Miscellaneous transportation equipment	7.1	7.0	7.6	7.7	7.6
<b>INSTRUMENTS AND RELATED PRODUCTS</b>						
38	Engineering and scientific instruments	302.4	302.3	305.7	302.0	301.5
381	Engineering and scientific instruments	24.4	24.5	24.8	24.7	24.2
382	Measuring and controlling devices	106.0	105.6	105.2	103.6	103.2
3822	Environmental controls	23.7	23.6	21.5	21.3	21.1
3823	Process control instruments	18.9	19.0	19.4	18.7	18.7
3825	Instruments to measure electricity	47.8	48.2	48.7	48.6	48.8
383	Optical instruments and lenses	11.1	11.3	11.7	11.7	11.3
384	Medical instruments and supplies	85.1	85.9	88.7	87.9	88.7
3841	Surgical and medical instruments	41.4	41.6	43.1	42.6	42.8
3842	Surgical appliances and supplies	35.4	36.0	37.3	37.1	37.7
385	Ophthalmic goods	24.9	24.8	23.9	22.9	22.9
386	Photographic equipment and supplies	38.9	38.7	41.1	41.0	40.8
387	Watches, clocks, and watchcases	12.0	11.5	10.3	10.2	10.4
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>						
39	Jewelry, silverware, and plated ware	183.0	185.8	191.6	180.4	181.8
391	Jewelry, silverware, and plated ware	25.1	24.9	27.2	25.3	25.3
393	Musical instruments	10.2	10.1	10.3	9.9	9.9
394	Toys and sporting goods	52.7	55.2	56.4	52.4	53.9
3942, 4	Dolls, games, toys, and children's vehicles	27.0	29.5	28.7	25.8	27.0
3949	Sporting and athletic goods, nec.	25.7	25.7	27.7	26.6	26.9
395	Pens, pencils, office and art supplies	20.2	20.1	21.2	20.5	20.5
396	Costume jewelry and notions	27.4	27.1	26.8	24.4	24.2
399	Miscellaneous manufactures	47.4	48.4	49.7	47.9	48.0
<b>NONDURABLE GOODS</b>						
<b>FOOD AND KINDRED PRODUCTS</b>						
20	Meat products	476.6	472.3	493.2	466.5	465.9
201	Meat products	112.5	111.9	113.2	109.0	108.2
2011	Meat packing plants	28.5	28.4	28.7	28.5	27.8
2013	Sausages and other prepared meats	20.0	20.0	20.7	20.1	20.2
2016	Poultry dressing plants	56.7	56.3	57.7	54.2	54.1
202	Dairy products	36.5	36.2	36.9	36.1	35.6
2026	Fluid milk	17.0	17.0	16.5	16.5	16.1
203	Preserved fruits and vegetables	85.0	84.4	87.5	77.2	78.8
2032	Canned specialties	9.0	8.8	9.2	8.6	8.8
2033	Canned fruits and vegetables	26.7	26.2	25.4	21.3	21.5
2037	Frozen fruits and vegetables	16.5	17.2	19.4	16.5	17.0
204	Grain mill products	30.2	29.9	30.3	29.9	29.7
205	Bakery products	57.0	56.8	58.1	56.9	57.0
2051	Bread, cake, and related products	37.6	37.8	38.8	38.2	38.0
2052	Cookies and crackers	19.4	19.0	19.3	18.7	19.0
206	Sugar and confectionery products	44.1	43.4	49.8	45.9	45.2
207	Fats and oils	6.0	6.0	6.3	6.3	6.0
208	Beverages	41.0	40.6	43.4	42.2	42.3
2082	Malt beverages	7.5	7.3	8.3	8.2	8.1
2086	Bottled and canned soft drinks	18.4	18.5	19.5	19.4	19.6
209	Misc. foods and kindred products	64.3	63.1	67.7	63.0	63.1
<b>TOBACCO MANUFACTURES</b>						
21	Cigarettes	26.0	25.8	26.4	26.0	24.6
211	Cigarettes	15.1	15.2	14.6	14.5	14.4

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Jan. 1981	Feb. 1981	Dec. 1981	Jan. 1982	Feb. 1982
22	<b>TEXTILE MILL PRODUCTS</b>	395.7	396.1	386.7	373.8	374.4
221	Weaving mills, cotton	64.0	63.3	60.4	59.3	59.1
222	Weaving mills, synthetics	48.8	48.4	47.6	46.4	46.2
223	Weaving and finishing mills, wool	7.3	7.3	7.1	7.2	7.1
224	Narrow fabric mills	14.0	14.1	14.3	13.8	13.7
225	Knitting mills	136.9	138.0	135.5	128.9	129.4
2251	Women's hosiery, except socks	22.6	22.5	23.1	22.8	22.5
2252	Hosiery, nec	23.7	23.9	24.5	23.8	23.9
2253	Knit outerwear mills	46.3	47.3	48.4	44.3	44.4
2254	Knit underwear mills	23.6	23.7	21.3	20.5	20.9
2257	Circular knit fabric mills	12.2	12.0	10.4	10.0	10.1
226	Textile finishing, except wool	21.7	21.8	21.1	20.2	20.4
2261	Finishing plants, cotton	9.4	9.4	9.4	8.8	8.9
2262	Finishing plants, synthetic	6.2	6.3	6.0	6.1	6.0
227	Floor covering mills	21.8	22.0	21.5	20.3	20.6
228	Yarn and thread mills	61.8	61.4	60.1	58.9	59.0
2281	Yarn mills, except wool	38.9	39.0	38.1	37.7	37.7
2282	Throwing and winding mills	12.3	11.9	11.2	10.8	10.9
229	Miscellaneous textile goods	19.4	19.8	19.1	18.8	18.9
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	986.7	999.8	989.2	961.2	977.3
231	Men's and boys' suits and coats	60.2	59.8	62.5	61.0	60.8
232	Men's and boys' furnishings	290.1	289.7	292.7	280.5	284.4
2321	Men's and boys' shirts and nightwear	82.0	81.7	83.3	80.3	81.1
2327	Men's and boys' separate trousers	61.8	62.0	61.6	60.1	61.4
2328	Men's and boys' work clothing	83.0	81.8	83.5	80.1	81.3
233	Women's and misses' outerwear	339.3	350.0	330.4	327.9	338.1
2331	Women's and misses' blouses and waists	54.0	54.5	52.5	51.8	52.5
2335	Women's and misses' dresses	117.5	122.4	112.4	112.9	117.6
2337	Women's and misses' suits and coats	47.7	48.5	45.5	44.9	46.5
2339	Women's and misses' outerwear, nec	120.1	124.6	120.0	118.3	121.5
234	Women's and children's undergarments	74.8	75.7	76.9	74.1	75.3
2341	Women's and children's underwear	60.6	61.3	62.4	60.4	61.4
2342	Brassieres and allied garments	14.2	14.4	14.5	13.7	13.9
236	Children's outerwear	54.7	55.8	56.0	54.9	55.2
2361	Children's dresses and blouses	24.6	24.9	25.4	25.2	25.2
238	Misc. apparel and accessories	40.5	41.8	41.2	39.3	39.4
239	Misc. fabricated textile products	111.8	112.0	115.3	109.5	111.1
2391	Curtains and draperies	21.3	21.0	23.4	21.7	21.3
2392	House furnishings, nec	30.2	30.1	33.1	30.4	30.6
2396	Automotive and apparel trimmings	16.6	16.8	15.1	14.6	14.5
26	<b>PAPER AND ALLIED PRODUCTS</b>	157.6	158.0	158.3	156.0	155.5
261, 2,6	Paper and pulp mills	27.5	27.3	27.7	27.3	27.1
262	Paper mills, except building paper	24.6	24.5	25.0	24.7	24.4
263	Paperboard mills	5.9	5.9	5.8	5.8	5.8
264	Misc. converted paper products	75.6	76.3	77.0	76.4	76.6
265	Paperboard containers and boxes	48.6	48.5	47.8	46.5	46.0
27	<b>PRINTING AND PUBLISHING</b>	503.6	505.3	527.4	520.9	523.6
271	Newspapers	160.1	160.5	169.8	168.5	169.4
272	Periodicals	55.0	54.3	57.0	57.3	57.3
273	Books	55.0	55.7	55.1	55.1	55.7
274	Miscellaneous publishing	27.8	28.0	28.3	28.0	28.3
275	Commercial printing	133.2	133.6	141.1	137.4	138.2
2751	Commercial printing, letterpress	55.5	55.4	59.8	57.3	57.5
2752	Commercial printing, lithographic	71.9	72.1	74.7	73.4	73.9
276	Manifold business forms	15.6	15.6	16.0	16.0	15.8
278	Blankbooks and bookbinding	31.3	32.1	32.8	32.1	32.6
279	Printing trade services	10.9	11.0	12.1	12.1	12.0
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	278.4	280.3	281.9	278.9	279.7
281	Industrial inorganic chemicals	24.3	24.4	24.4	24.2	24.5
2819	Industrial inorganic chemicals, nec	16.5	16.5	16.2	16.2	16.3
282	Plastics materials and synthetics	43.3	43.2	43.1	42.9	43.0
2821	Plastics materials and resins	11.5	11.4	11.5	11.4	11.5
2824	Organic fibers, noncellulosic	25.2	25.3	25.3	25.2	25.3
283	Drugs	84.3	84.8	86.3	86.1	86.2
2834	Pharmaceutical preparations	70.9	71.4	72.5	72.4	72.3
284	Soap, cleaners, and toilet goods	56.2	57.3	55.7	54.2	54.1
2841	Soap and other detergents	9.8	9.5	9.2	8.6	8.7
2844	Toilet preparations	32.7	33.8	33.6	32.6	32.1
285	Paints and allied products	12.4	12.4	12.2	11.9	12.1
286	Industrial organic chemicals	26.0	26.1	27.6	27.8	27.4
2861,9	Gum, wood, and industrial organic chemicals, nec	21.5	21.6	23.3	23.4	23.1
287	Agricultural chemicals	10.4	10.6	10.9	10.8	11.0
289	Miscellaneous chemical products	21.5	21.5	21.7	21.0	21.4

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Jan. 1981	Feb. 1981	Dec. 1981	Jan. 1982	Feb. 1982
29	<b>PETROLEUM AND COAL PRODUCTS</b>	28.9	28.9	31.2	30.7	30.6
291	Petroleum refining	23.9	23.9	26.1	25.7	25.8
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	253.1	250.8	249.4	244.5	243.4
301	Tires and inner tubes	11.6	11.7	11.5	11.1	10.9
302	Rubber and plastics footwear	12.5	12.6	12.4	11.5	11.1
303.4	Reclaimed rubber, and rubber and plastics hose and belting	5.7	5.6	6.2	6.1	5.7
306	Fabricated rubber products, nec	35.8	35.4	34.9	33.8	33.9
307	Miscellaneous plastics products	184.5	185.5	184.4	182.0	181.8
31	<b>LEATHER AND LEATHER PRODUCTS</b>	134.6	136.7	133.3	130.4	126.6
311	Leather tanning and finishing	2.8	2.9	2.9	2.8	2.7
314	Footwear, except rubber	92.2	93.3	89.4	90.0	85.8
3143	Men's footwear, except athletic	35.2	35.3	34.3	36.0	32.9
3144	Women's footwear, except athletic	35.3	35.5	33.6	32.7	31.8
316	Luggage	7.2	7.9	7.8	7.1	7.7
317	Handbags and personal leather goods	19.2	19.4	19.4	17.7	17.7
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	1,307	1,312	1,365	1,361	1,363
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>	71.1	71.9	81.0	80.8	80.7
411	Local and suburban transportation	14.8	15.2	17.1	16.8	16.8
412	Taxicabs	7.2	7.2	7.3	7.2	7.2
413	Intercity highway transportation	5.0	5.0	5.0	5.0	4.8
415	School buses	41.6	42.0	48.8	49.2	49.2
42	<b>TRUCKING AND WAREHOUSING</b>	149.3	148.3	157.5	152.9	151.8
421.3	Trucking and trucking terminals	133.8	133.2	140.1	136.5	135.6
422	Public warehousing	15.5	15.1	17.4	16.4	16.2
44	<b>WATER TRANSPORTATION</b>	20.1	20.3	23.6	23.2	23.4
45	<b>TRANSPORTATION BY AIR</b>	147.2	149.1	146.9	145.9	145.9
451.2	Air transportation	138.5	140.5	137.7	136.7	136.6
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b>	2.9	3.0	3.4	3.5	3.5
47	<b>TRANSPORTATION SERVICES</b>	92.4	93.9	107.3	107.8	108.5
48	<b>COMMUNICATION</b>	634.7	633.8	650.9	651.9	653.2
481	Telephone communication	547.0	547.6	555.6	555.9	556.6
483	Radio and television broadcasting	65.5	63.4	68.7	69.2	69.4
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	158.1	161.1	169.9	170.1	171.1
491	Electric services	75.0	75.7	79.9	80.3	80.8
492	Gas production and distribution	37.1	37.2	39.4	39.5	39.8
493	Combination utility services	35.1	37.2	39.0	38.8	38.8
495	Sanitary services	5.9	6.0	6.6	6.5	6.7
-	<b>WHOLESALE AND RETAIL TRADE</b>	8,941	8,805	9,636	9,148	9,065
50,51	<b>WHOLESALE TRADE</b>	1,368	1,369	1,414	1,393	1,393
50	<b>WHOLESALE TRADE-DURABLE GOODS</b>	758	761	790	782	781
501	Motor vehicles and automotive equipment	87.9	88.0	90.8	90.6	90.8
502	Furniture and home furnishings	44.2	44.6	48.6	47.5	47.9
503	Lumber and construction materials	35.0	35.4	37.9	37.1	37.0
504	Sporting goods, toys, and hobby goods	24.6	24.6	25.9	25.5	25.2
505	Metals and minerals, except petroleum	29.5	29.6	30.1	29.8	29.6
506	Electrical goods	121.5	122.5	127.2	125.8	125.4
507	Hardware, plumbing, and heating equipment	65.3	65.4	66.5	66.1	65.9
508	Machinery, equipment, and supplies	302.7	303.7	316.7	314.1	313.3
509	Miscellaneous durable goods	47.2	47.0	46.6	45.8	45.7
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b>	610	608	624	611	612
511	Paper and paper products	48.0	48.0	50.0	50.3	50.0
512	Drugs, proprietaries, and sundries	66.0	65.8	66.6	65.8	66.9
513	Apparel, piece goods, and notions	80.3	81.0	82.6	81.4	82.1
514	Groceries and related products	155.3	154.7	158.7	151.4	151.9
516	Chemicals and allied products	35.6	35.3	35.6	36.3	36.3
517	Petroleum and petroleum products	51.4	51.7	53.2	53.1	52.6
518	Beer, wine, and distilled beverages	21.8	21.8	22.2	22.0	22.1
519	Miscellaneous nondurable goods	112.2	113.6	116.5	114.4	116.0

# ESTABLISHMENT DATA WOMEN EMPLOYEES

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

(In thousands)

1972 SIC Code	Industry	Jan. 1981	Feb. 1981	Dec. 1981	Jan. 1982	Feb. 1982
52-59	<b>RETAIL TRADE</b> .....	7,573	7,436	8,222	7,755	7,672
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	157.8	158.1	163.0	155.2	154.9
521	Lumber and other building materials .....	64.6	64.6	65.4	63.3	62.6
525	Hardware stores .....	55.1	53.5	57.9	55.2	54.6
53	<b>GENERAL MERCHANDISE STORES</b> .....	1,566.8	1,450.3	1,701.5	1,563.6	1,483.9
531	Department stores .....	1,288.0	1,197.0	1,394.5	1,288.0	1,216.4
533	Variety stores .....	200.0	137.3	208.9	190.3	183.9
539	Misc. general merchandise stores .....	78.8	76.0	98.1	85.3	83.6
54	<b>FOOD STORES</b> .....	1,036.8	1,033.9	1,098.6	1,068.6	1,067.7
541	Grocery stores .....	872.1	867.0	913.0	901.0	897.1
542	Meat markets and freezer provisioners .....	16.8	16.4	16.9	16.5	16.0
546	Retail bakeries .....	79.7	79.5	82.6	79.6	80.5
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	303.8	301.1	317.6	313.3	312.1
551,2	New and used car dealers .....	111.9	111.8	112.9	111.6	110.7
553	Auto and home supply stores .....	50.6	49.7	52.4	52.0	49.6
554	Gasoline service stations .....	126.7	125.1	138.3	136.3	138.1
56	<b>APPAREL AND ACCESSORY STORES</b> .....	680.5	659.0	770.3	695.0	668.8
561	Men's and boys' clothing and furnishings .....	61.5	58.1	70.0	62.9	59.5
562	Women's ready-to-wear stores .....	315.0	306.7	352.2	316.6	305.0
565	Family clothing stores .....	142.3	135.6	169.8	147.7	141.5
566	Shoe stores .....	81.8	81.4	90.2	87.0	83.7
57	<b>FURNITURE AND HOME FURNISHING STORES</b> .....	209.3	206.8	217.8	211.1	210.0
571	Furniture and home furnishings stores .....	137.6	136.9	142.4	138.6	138.0
572	Household appliance stores .....	23.6	23.4	25.3	24.8	24.9
573	Radio, television, and music stores .....	48.1	46.5	50.1	47.7	47.1
58	<b>EATING AND DRINKING PLACES</b> .....	2,568.5	2,573.4	2,767.8	2,652.4	2,690.9
59	<b>MISCELLANEOUS RETAIL</b> .....	1,049.5	1,043.6	1,185.2	1,095.3	1,083.2
591	Drug stores and proprietary stores .....	308.3	303.1	322.8	314.1	308.4
592	Liquor stores .....	32.3	31.7	39.0	35.4	34.8
594	Miscellaneous shopping goods stores .....	375.0	368.8	444.4	398.0	389.3
596	Nonstore retailers .....	166.4	163.2	194.4	175.5	169.3
598	Fuel and ice dealers .....	24.6	24.2	24.5	24.8	24.9
599	Retail stores, nec .....	123.4	132.7	140.5	127.9	137.1
-	<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,112	3,126	3,204	3,197	3,206
60	<b>BANKING</b> .....	1,137.9	1,140.0	1,165.2	1,165.7	1,166.4
602	Commercial and stock savings banks .....	1,047.6	1,049.3	1,071.3	1,072.0	1,072.9
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	393.7	395.2	400.3	401.3	401.8
612	Savings and loan associations .....	195.7	197.3	203.8	205.0	205.0
614	Personal credit institutions .....	127.1	127.0	125.6	125.0	124.7
62	<b>SECURITY, COMMODITY BROKERS, AND SERVICES</b> .....	98.3	99.8	110.2	110.4	111.0
621	Security brokers and dealers .....	79.2	80.7	91.0	91.4	92.0
63	<b>INSURANCE CARRIERS</b> .....	749.1	750.5	758.6	756.2	760.6
631	Life insurance .....	293.3	294.5	304.3	302.6	305.9
632	Medical service and health insurance .....	104.7	105.1	103.7	103.6	103.7
633	Fire, marine, and casualty insurance .....	301.5	301.6	303.1	302.8	304.0
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b> .....	288.7	289.4	299.7	298.7	299.8
65	<b>REAL ESTATE</b> .....	367.5	372.4	387.7	382.3	383.1
651	Real estate operators and lessors .....	142.0	145.2	155.2	152.3	153.0
653	Real estate agents and managers .....	175.1	176.5	179.8	178.9	179.0
655	Subdividers and developers .....	35.5	36.0	38.6	37.2	37.4
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC.</b> .....	13.2	13.1	12.8	13.0	12.8
67	<b>HOLDING AND OTHER INVESTMENT OFFICES</b> .....	64.0	65.2	69.6	69.5	70.1
-	<b>SERVICES</b> .....	10,633	10,724	11,116	11,019	11,124
70	<b>HOTELS AND OTHER LODGING PLACES</b> .....	534.2	539.6	558.4	542.2	547.3
701	Hotels, motels, and tourist courts .....	517.5	522.9	540.5	525.5	530.8

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Jan. 1981	Feb. 1981	Dec. 1981	Jan. 1982	Feb. 1982
72	<b>PERSONAL SERVICES</b>	613.1	621.0	622.3	627.8	633.1
721	Laundry, cleaning, and garment services	224.1	223.0	225.9	223.5	221.0
723	Beauty shops	249.3	251.5	261.3	261.2	260.2
726	Funeral service and crematories	19.4	19.0	20.2	20.3	20.4
73	<b>BUSINESS SERVICES</b>	1,400.0	1,387.0	1,486.0	1,456.2	1,452.0
731	Advertising	73.0	73.7	75.9	76.3	77.0
732	Credit reporting and collection	51.7	50.9	50.3	49.8	49.3
733	Mailing, reproduction, stenographic	61.0	61.4	66.1	67.2	65.6
734	Services to buildings	186.0	189.3	208.3	204.8	206.1
736	Personnel supply services	373.2	352.8	373.5	367.7	358.1
737	Computer and data processing services	152.8	158.1	173.4	173.5	173.9
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b>	97.1	95.6	95.9	96.4	96.8
753	Automotive repair shops	42.4	41.9	45.3	45.8	45.8
76	<b>MISCELLANEOUS REPAIR SERVICES</b>	60.3	59.3	59.5	58.8	59.6
78	<b>MOTION PICTURES</b>	80.9	80.9	82.2	77.8	76.5
781	Motion picture production and services	23.5	24.1	23.7	22.2	22.0
783	Motion picture theaters	51.5	50.9	52.3	49.4	48.4
79	<b>AMUSEMENT AND RECREATION SERVICES</b>	255.2	262.9	295.3	281.9	291.2
80	<b>HEALTH SERVICES</b>	4,399.1	4,412.1	4,594.8	4,606.0	4,620.1
801	Offices of physicians	596.3	594.7	620.8	624.8	623.8
802	Offices of dentists	295.8	296.0	312.6	313.3	318.3
805	Nursing and personal care facilities	913.8	914.9	944.1	947.4	945.9
806	Hospitals	2,275.3	2,286.1	2,380.4	2,385.5	2,395.0
81	<b>LEGAL SERVICES</b>	368.7	359.0	387.2	388.7	389.1
82	<b>EDUCATIONAL SERVICES</b>	602.4	640.9	644.0	603.1	651.3
821	Elementary and secondary schools	194.3	230.4	184.1	183.1	188.9
822	Colleges and universities	340.6	371.4	388.6	349.9	391.0
83	<b>SOCIAL SERVICES</b>	872.0	881.1	896.3	891.1	895.5
89	<b>MISCELLANEOUS SERVICES</b>	335.6	343.3	352.9	358.4	366.5
891	Engineering and architectural services	120.1	120.7	125.7	125.4	125.9
893	Accounting, auditing, and bookkeeping	156.7	162.9	167.0	173.1	179.3
	<b>GOVERNMENT</b>	7,876	8,008	7,804	7,692	7,810
	<b>FEDERAL GOVERNMENT</b>	878	879	869	869	872
	<b>STATE AND LOCAL GOVERNMENT</b>	6,998	7,129	6,936	6,823	6,938
	State government	1,628.3	1,678.0	1,661.7	1,612.1	1,658.4
	Hospitals	334.8	334.9	337.3	334.6	332.9
	State education	653.4	699.9	684.4	633.5	680.9
	General administration including executive, legislative, and judicial functions	426.6	429.7	432.0	435.2	435.6
	Local government	5,370.0	5,451.1	5,274.7	5,210.9	5,279.6
	Transportation and public utilities	99.3	99.7	105.8	106.8	106.6
	Hospitals	501.7	504.9	519.5	521.9	523.5
	Local education	3,551.4	3,620.9	3,493.7	3,428.9	3,490.3
	General administration including executive, legislative, and judicial functions	990.9	998.6	961.9	961.3	966.8



# ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

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

(In thousands)

Industry division and group	1981									1982			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. p	Apr. p
<b>TOTAL</b> .....	91,458	91,564	91,615	91,880	91,901	92,033	91,832	91,522	91,113	90,879	91,019	90,760	90,593
<b>GOODS-PRODUCING</b> .....	25,700	25,705	25,818	25,939	25,931	25,930	25,662	25,418	25,104	24,801	24,836	24,609	24,435
<b>MINING</b> .....	950	957	1,110	1,132	1,151	1,162	1,162	1,172	1,175	1,166	1,165	1,159	1,151
<b>CONSTRUCTION</b> .....	4,418	4,334	4,284	4,272	4,275	4,272	4,259	4,229	4,193	4,085	4,165	4,110	4,026
<b>MANUFACTURING</b> .....	20,332	20,414	20,424	20,535	20,505	20,496	20,241	20,017	19,736	19,550	19,506	19,340	19,258
<b>DURABLE GOODS</b> .....	12,207	12,254	12,278	12,333	12,332	12,311	12,115	11,932	11,714	11,596	11,559	11,458	11,393
Lumber and wood products .....	702	710	699	702	686	677	652	634	619	615	625	622	627
Furniture and fixtures .....	478	484	486	488	487	485	480	470	464	458	454	450	452
Stone, clay, and glass products .....	656	658	658	658	660	655	644	634	622	607	605	600	597
Primary metal industries .....	1,145	1,142	1,144	1,140	1,148	1,139	1,114	1,090	1,058	1,042	1,027	1,013	995
Fabricated metal products .....	1,595	1,604	1,604	1,614	1,610	1,606	1,575	1,546	1,516	1,501	1,493	1,479	1,468
Machinery, except electrical .....	2,491	2,511	2,521	2,533	2,542	2,551	2,549	2,522	2,488	2,455	2,441	2,405	2,379
Electric and electronic equipment .....	2,134	2,143	2,148	2,163	2,166	2,163	2,150	2,119	2,089	2,093	2,084	2,073	2,075
Transportation equipment .....	1,878	1,872	1,886	1,886	1,889	1,889	1,811	1,783	1,725	1,706	1,719	1,712	1,700
Instruments and related products .....	714	716	717	723	727	727	723	719	717	711	708	705	703
Miscellaneous manufacturing ind. ....	414	414	415	426	417	419	417	415	416	408	403	399	396
<b>NONDURABLE GOODS</b> .....	8,125	8,160	8,146	8,202	8,173	8,185	8,126	8,085	8,022	7,954	7,947	7,882	7,865
Food and kindred products .....	1,697	1,703	1,673	1,691	1,668	1,669	1,675	1,676	1,669	1,663	1,577	1,665	1,557
Tobacco manufactures .....	72	71	71	71	73	71	70	70	70	71	70	69	68
Textile mill products .....	842	843	846	856	849	849	833	823	812	795	793	775	785
Apparel and other textile products .....	1,250	1,258	1,264	1,278	1,272	1,273	1,259	1,251	1,233	1,210	1,212	1,192	1,177
Paper and allied products .....	691	694	695	696	698	703	691	686	682	678	673	671	667
Printing and publishing .....	1,280	1,283	1,284	1,290	1,295	1,301	1,302	1,302	1,302	1,301	1,303	1,304	1,305
Chemicals and allied products .....	1,107	1,109	1,111	1,110	1,106	1,112	1,108	1,104	1,100	1,093	1,092	1,088	1,083
Petroleum and coal products .....	211	213	212	212	212	211	210	210	208	203	201	201	201
Rubber and misc. plastic products .....	744	753	757	760	764	760	744	733	722	718	712	706	710
Leather and leather products .....	231	233	233	238	236	236	234	230	224	222	214	211	212
<b>SERVICE-PRODUCING</b> .....	65,758	65,859	65,797	65,941	65,970	66,103	66,170	66,104	66,009	66,078	66,183	66,151	66,158
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	5,161	5,148	5,149	5,167	5,170	5,186	5,168	5,147	5,122	5,124	5,105	5,088	5,100
<b>WHOLESALE AND RETAIL TRADE</b> .....	20,636	20,714	20,717	20,796	20,862	20,872	20,916	20,838	20,735	20,849	20,934	20,892	20,853
<b>WHOLESALE TRADE</b> .....	5,333	5,346	5,349	5,360	5,375	5,370	5,360	5,363	5,336	5,321	5,321	5,305	5,301
<b>RETAIL TRADE</b> .....	15,303	15,368	15,368	15,436	15,487	15,502	15,556	15,475	15,399	15,528	15,613	15,587	15,552
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	5,316	5,326	5,331	5,344	5,354	5,356	5,350	5,355	5,366	5,361	5,366	5,377	5,371
<b>SERVICES</b> .....	18,475	18,540	18,560	18,642	18,667	18,774	18,788	18,838	18,856	18,845	18,893	18,887	18,952
<b>GOVERNMENT</b> .....	16,170	16,131	16,040	15,992	15,917	15,905	15,938	15,926	15,930	15,899	15,885	15,907	15,882
<b>FEDERAL</b> .....	2,767	2,779	2,781	2,777	2,770	2,765	2,759	2,748	2,741	2,742	2,739	2,729	2,717
<b>STATE AND LOCAL</b> .....	13,403	13,352	13,259	13,215	13,147	13,140	13,179	13,178	13,189	13,157	13,146	13,178	13,165

p=preliminary.

\* Data for the month of April 1982 have been corrected from those published in the news release, The Employment Situation: April 1982.

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

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

[In thousands]

Industry division and group	1981											1982	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
<b>TOTAL</b> .....	38,677	38,931	38,987	39,088	39,264	39,469	39,482	39,467	39,459	39,331	39,239	39,260	39,382
<b>GOODS-PRODUCING</b> .....	6,814	6,823	6,878	6,915	6,936	7,016	6,999	6,986	6,939	6,868	6,800	6,738	6,717
<b>MINING</b> .....	117	119	114	116	124	127	129	132	134	135	137	137	137
<b>CONSTRUCTION</b> .....	392	394	397	397	398	402	401	401	400	399	400	400	399
<b>MANUFACTURING</b> .....	6,305	6,310	6,367	6,402	6,414	6,487	6,469	6,453	6,405	6,334	6,263	6,201	6,181
<b>DURABLE GOODS</b> .....	3,013	3,020	3,054	3,073	3,087	3,116	3,118	3,104	3,073	3,023	2,980	2,960	2,943
Lumber and wood products .....	104	104	136	108	107	108	105	103	100	97	95	95	94
Furniture and fixtures .....	141	141	145	146	148	149	148	146	146	142	140	138	137
Stone, clay, and glass products .....	127	126	127	128	129	131	131	130	129	126	124	122	122
Primary metal industries .....	124	124	127	128	127	125	128	126	122	118	115	112	110
Fabricated metal products .....	331	333	337	341	342	345	345	343	334	325	318	315	313
Machinery, except electrical .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Electric and electronic equipment .....	898	902	912	915	916	926	925	925	918	901	889	893	887
Transportation equipment .....	294	295	302	303	308	311	314	309	304	299	291	289	288
Instruments and related products .....	302	302	303	305	304	308	310	309	307	306	305	303	302
Miscellaneous manufacturing ind. ....	191	191	192	194	193	200	195	194	193	193	194	189	187
<b>NONDURABLE GOODS</b> .....	3,292	3,290	3,313	3,329	3,327	3,371	3,351	3,349	3,332	3,311	3,283	3,241	3,238
Food and kindred products .....	505	500	506	507	495	504	496	490	500	502	500	494	498
Tobacco manufactures .....	26	26	26	26	26	26	27	26	26	25	25	26	25
Textile mill products .....	396	395	398	399	400	405	402	403	396	391	385	375	374
Apparel and other textile products .....	1,001	1,001	1,006	1,012	1,019	1,033	1,025	1,028	1,016	1,010	996	978	978
Paper and allied products .....	160	160	161	162	160	163	164	165	161	159	159	158	157
Printing and publishing .....	505	507	510	511	512	515	517	519	522	521	523	521	524
Chemicals and allied products .....	282	283	282	282	283	283	282	283	283	283	283	281	281
Petroleum and coal products .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Rubber and misc. plastics products .....	250	252	257	261	263	268	267	264	257	251	247	244	242
Leather and leather products .....	138	137	137	139	139	144	141	141	140	138	134	133	127
<b>SERVICE-PRODUCING</b> .....	32,063	32,108	32,139	32,173	32,328	32,453	32,483	32,481	32,520	32,463	32,439	32,522	32,665
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	1,314	1,318	1,327	1,329	1,335	1,340	1,345	1,356	1,355	1,350	1,357	1,364	1,366
<b>WHOLESALE AND RETAIL TRADE</b> .....	9,031	9,051	8,990	9,024	9,166	9,207	9,237	9,251	9,261	9,192	9,127	9,202	9,294
<b>WHOLESALE TRADE</b> .....	1,378	1,377	1,388	1,389	1,388	1,393	1,403	1,405	1,403	1,409	1,400	1,400	1,401
<b>RETAIL TRADE</b> .....	7,653	7,674	7,602	7,635	7,778	7,814	7,834	7,846	7,858	7,783	7,727	7,802	7,893
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,130	3,138	3,153	3,169	3,172	3,184	3,185	3,198	3,199	3,200	3,204	3,203	3,209
<b>SERVICES</b> .....	10,803	10,830	10,882	10,906	10,924	10,979	10,994	11,057	11,101	11,125	11,138	11,153	11,202
<b>GOVERNMENT</b> .....	7,785	7,771	7,757	7,745	7,731	7,743	7,722	7,619	7,604	7,596	7,613	7,600	7,594
<b>FEDERAL</b> .....	885	878	877	877	876	878	877	877	873	872	879	878	878
<b>STATE AND LOCAL</b> .....	6,900	6,893	6,880	6,868	6,855	6,865	6,845	6,742	6,731	6,724	6,734	6,722	6,715

<sup>1</sup> This series is not published seasonally adjusted since the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

# ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

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

[In thousands]

Industry division and group	1981									1982			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. p	Apr. p
<b>TOTAL PRIVATE*</b> .....	61,114	61,179	61,292	61,585	61,622	61,770	61,527	61,210	60,759	60,538	60,681	60,414	60,297
<b>GOODS-PRODUCING</b> .....	18,338	18,317	18,387	18,476	18,459	18,454	18,185	17,934	17,611	17,326	17,374	17,188	17,025
<b>MINING</b> .....	689	694	819	834	850	857	854	862	864	852	849	845	832
<b>CONSTRUCTION</b> .....	3,462	3,376	3,323	3,315	3,315	3,316	3,301	3,275	3,233	3,132	3,209	3,155	3,081
<b>MANUFACTURING</b> .....	14,187	14,247	14,245	14,327	14,294	14,281	14,030	13,797	13,514	13,342	13,316	13,188	13,113
<b>DURABLE GOODS</b> .....	8,412	8,442	8,455	8,491	8,485	8,465	8,267	8,083	7,868	7,758	7,740	7,661	7,596
Lumber and wood products .....	586	593	585	585	571	563	540	521	506	502	512	509	514
Furniture and fixtures .....	386	392	393	396	395	391	385	376	370	364	360	356	358
Stone, clay, and glass products .....	506	507	506	508	510	505	495	485	473	458	458	453	451
Primary metal industries .....	884	880	882	879	883	877	851	828	799	783	772	761	746
Fabricated metal products .....	1,178	1,184	1,187	1,197	1,193	1,187	1,157	1,132	1,102	1,085	1,079	1,068	1,063
Machinery, except electrical .....	1,580	1,594	1,602	1,605	1,618	1,624	1,615	1,587	1,554	1,523	1,510	1,482	1,456
Electric and electronic equipment .....	1,345	1,353	1,354	1,365	1,364	1,362	1,347	1,308	1,278	1,285	1,278	1,267	1,273
Transportation equipment .....	1,218	1,210	1,218	1,213	1,217	1,221	1,147	1,121	1,064	1,048	1,066	1,064	1,047
Instruments and related products .....	422	423	422	427	426	426	423	418	417	413	410	409	406
Miscellaneous manufacturing ind. ....	307	306	306	316	308	309	307	307	305	297	295	292	288
<b>NONDURABLE GOODS</b> .....	5,775	5,805	5,790	5,836	5,809	5,816	5,763	5,714	5,646	5,584	5,576	5,527	5,517
Food and kindred products .....	1,164	1,170	1,144	1,160	1,140	1,140	1,149	1,149	1,141	1,133	1,148	1,140	1,123
Tobacco manufactures .....	56	55	56	55	57	56	55	55	54	56	54	54	53
Textile mill products .....	729	731	733	742	736	737	722	710	699	683	681	664	675
Apparel and other textile products .....	1,065	1,071	1,077	1,092	1,082	1,084	1,071	1,062	1,046	1,027	1,027	1,013	999
Paper and allied products .....	521	523	524	525	526	531	520	516	509	506	503	501	499
Printing and publishing .....	709	710	709	711	714	718	718	716	715	715	715	717	715
Chemicals and allied products .....	627	629	632	630	630	631	626	620	615	608	607	603	603
Petroleum and coal products .....	134	135	133	133	132	131	130	129	127	121	120	120	121
Rubber and misc. plastics products .....	575	584	585	586	592	588	573	561	551	548	543	538	544
Leather and leather products .....	195	197	197	202	200	200	199	196	189	187	178	177	179
<b>SERVICE-PRODUCING*</b> .....	42,776	42,862	42,905	43,109	43,163	43,316	43,342	43,276	43,148	43,212	43,307	43,226	43,271
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,291	4,272	4,269	4,284	4,284	4,305	4,277	4,263	4,235	4,228	4,212	4,188	4,201
<b>WHOLESALE AND RETAIL TRADE*</b> .....	18,027	18,084	18,093	18,200	18,230	18,271	18,311	18,218	18,120	18,205	18,300	18,269	18,227
<b>WHOLESALE TRADE</b> .....	4,342	4,352	4,350	4,367	4,370	4,367	4,359	4,359	4,339	4,311	4,309	4,293	4,289
<b>RETAIL TRADE*</b> .....	13,685	13,732	13,743	13,833	13,860	13,904	13,952	13,859	13,781	13,894	13,991	13,976	13,938
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	4,017	4,024	4,030	4,037	4,047	4,055	4,049	4,039	4,041	4,035	4,034	4,032	4,025
<b>SERVICES</b> .....	16,441	16,482	16,513	16,588	16,602	16,685	16,705	16,756	16,752	16,744	16,761	16,737	16,818

\* For coverage of series, see footnote 1, table B-2.  
p = preliminary.

\* Data for the month of April 1982 have been corrected from those published in the news release, The Employment Situation: April 1982.

**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
1979				
January.....	65.1	72.1	72.1	74.7
February.....	66.0	68.6	71.8	70.6
March.....	64.2	65.7	70.1	69.5
April.....	54.1	65.7	64.8	67.2
May.....	60.5	62.8	59.6	59.6
June.....	62.5	63.7	54.4	58.1
July.....	57.0	55.5	56.7	55.8
August.....	53.2	50.0	51.5	55.2
September.....	49.1	53.5	52.0	50.0
October.....	61.6	52.0	50.6	46.2
November.....	49.4	53.5	51.2	38.1
December.....	49.7	49.4	47.7	35.8
1980				
January.....	52.6	50.6	40.4	32.0
February.....	53.2	46.8	33.4	32.6
March.....	49.4	38.7	30.8	31.7
April.....	34.6	30.8	24.7	32.3
May.....	32.8	27.0	26.2	31.4
June.....	31.4	25.9	28.2	31.4
July.....	36.9	35.5	35.2	31.4
August.....	64.8	54.9	45.1	32.6
September.....	64.0	71.2	61.0	34.9
October.....	61.3	69.8	73.5	43.6
November.....	63.4	64.8	72.7	55.8
December.....	56.7	64.0	65.4	70.3
1981				
January.....	59.6	61.0	68.6	78.8
February.....	55.8	61.3	68.6	75.6
March.....	52.3	64.2	67.2	73.3
April.....	69.8	68.9	70.3	64.2
May.....	62.5	66.9	67.7	54.1
June.....	51.5	68.6	71.8	45.1
July.....	67.2	60.2	52.9	37.8
August.....	49.7	66.6	38.7	34.9
September.....	59.3	39.2	35.8	35.5p
October.....	30.2	33.1	26.7	31.1p
November.....	27.9	23.8	28.5	
December.....	29.9	23.0	23.5p	
1982				
January.....	30.5	26.7	24.7p	
February.....	48.0	31.1p		
March.....	36.3p	35.5p		
April.....	40.1p			
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.

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

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P
1 ALABAMA	1,350.5	1,338.4	1,332.8	17.1	16.6	16.8	65.8	62.8	63.5	358.7	353.0	344.9
2 Birmingham	344.6	339.8	341.0	9.1	8.7	8.7	18.9	17.3	17.7	60.8	57.3	57.4
3 Huntsville	118.8	123.7	124.0	(1)	(1)	(1)	3.8	3.4	3.6	34.9	37.1	37.0
4 Mobile	153.2	150.9	150.0	(1)	(1)	(1)	11.9	9.2	9.2	29.8	31.2	30.4
5 Montgomery	107.2	104.8	104.9	(1)	(1)	(1)	6.2	5.5	5.5	16.7	15.6	15.5
6 Tuscaloosa	51.9	50.3	50.5	2.6	2.7	2.8	2.5	2.0	2.0	8.2	7.9	7.8
7 ALASKA	165.5	171.6	175.7	7.5	7.8	8.1	8.4	10.3	10.9	9.9	7.4	8.6
8 ARIZONA	1,044.9	1,049.4	1,050.2	24.8	22.0	21.8	71.6	62.5	62.5	157.8	155.5	154.9
9 Phoenix	658.3	664.5	665.2	.4	.4	.4	48.7	42.8	42.9	116.1	112.8	112.5
10 Tucson	191.5	190.9	191.6	7.7	5.4	5.4	13.6	11.1	11.1	22.9	24.8	25.0
11 ARKANSAS	738.7	717.8	722.0	5.6	6.1	6.2	33.3	26.4	28.1	209.1	199.2	197.9
12 Fayetteville—Springdale	65.5	64.5	65.1	(1)	(1)	(1)	2.8	2.4	2.5	20.2	18.6	18.9
13 Fort Smith	70.2	65.9	65.7	1.1	1.2	1.2	2.8	2.3	2.2	22.3	20.4	20.2
14 Little Rock—North Little Rock	178.2	175.8	176.4	(1)	(1)	(1)	8.3	7.9	8.3	29.8	28.3	28.1
15 Pine Bluff	31.6	30.7	30.8	(1)	(1)	(1)	2.1	1.4	1.5	6.3	6.1	6.0
16 CALIFORNIA	9,952.0	10,004.4	10,034.7	45.4	49.2	48.7	424.4	392.9	384.6	2,004.8	1,958.9	1,960.4
17 Anaheim—Santa Ana—Garden Grove	861.9	863.5	866.1	2.6	2.9	2.9	50.1	44.3	44.1	223.8	221.4	221.5
18 Bakersfield	133.1	135.4	134.8	13.2	14.4	14.2	7.0	6.6	6.4	9.8	10.0	9.8
19 Fresno	180.2	180.6	182.4	.9	1.0	1.0	9.2	9.5	9.1	22.3	21.5	22.1
20 Los Angeles—Long Beach	3,661.4	3,615.4	3,620.6	14.0	14.8	14.7	124.3	108.0	106.1	916.4	889.3	886.0
21 Modesto	85.6	86.3	87.2	.1	.1	.1	5.1	4.8	4.8	17.4	17.7	17.9
22 Oxnard—Simi Valley—Ventura	156.1	161.5	161.6	2.7	3.0	3.0	7.2	6.7	6.7	24.7	25.7	25.7
23 Riverside—San Bernardino—Ontario	441.0	442.5	442.5	2.2	2.0	1.9	23.7	21.6	21.5	63.1	63.1	62.4
24 Sacramento	400.6	406.3	406.3	.5	.7	.7	16.8	15.9	15.8	26.5	26.3	26.5
25 Salinas—Seaside—Monterey	87.5	89.1	89.6	.4	.4	.4	3.2	3.3	3.3	8.2	7.8	8.7
26 San Diego	659.5	660.9	661.0	.6	.6	.6	35.3	31.8	31.1	108.2	107.2	107.1
27 San Francisco—Oakland	1,567.0	1,577.3	1,578.9	3.7	4.3	4.3	72.9	71.5	72.0	199.3	196.6	194.3
28 San Jose	685.1	591.5	658.7	.1	.1	.1	24.3	21.9	21.6	244.6	246.4	249.1
29 Santa Barbara—Santa Maria—Lompoc	121.5	123.8	124.7	1.6	1.6	1.6	4.7	4.6	4.6	17.2	17.7	18.3
30 Santa Rosa	93.2	94.9	95.3	.4	.4	.4	4.7	4.7	4.5	14.8	15.2	15.5
31 Stockton	118.3	118.8	118.5	.1	.1	.1	5.5	5.3	5.3	20.0	19.8	19.6
32 Vallejo—Fairfield—Napa	99.4	101.5	101.3	.5	.5	.5	4.8	4.5	4.5	10.3	10.6	10.5
33 COLORADO	1,271.5	1,274.8	1,279.1	40.7	42.7	42.5	70.7	68.1	69.2	181.4	181.7	180.9
34 Denver—Boulder	812.3	818.9	821.3	24.1	27.0	27.2	41.9	41.0	41.8	126.0	126.9	126.8
35 CONNECTICUT	1,422.9	1,409.6	1,413.9	(2)	(2)	(2)	44.1	42.2	44.3	440.3	423.8	421.4
36 Bridgeport	167.0	166.3	167.5	(2)	(2)	(2)	3.9	3.6	3.9	64.3	64.3	64.2
37 Hartford	395.8	391.7	394.2	(2)	(2)	(2)	10.3	9.4	9.7	98.7	92.7	92.3
38 New Britain	63.1	60.8	61.2	(2)	(2)	(2)	1.8	1.7	1.8	29.8	27.5	27.5
39 New Haven—West Haven	188.3	185.9	186.9	(2)	(2)	(2)	5.6	5.3	5.4	43.2	40.5	40.4
40 Stamford	110.4	111.0	111.5	(2)	(2)	(2)	5.4	5.5	5.6	32.5	31.9	31.8
41 Waterbury	86.6	86.7	87.0	(2)	(2)	(2)	2.3	2.2	2.4	31.8	31.6	31.3
42 DELAWARE	254.8	248.0	253.6	(1)	(1)	(1)	12.0	12.2	12.9	71.1	66.4	69.6
43 Wilmington	227.0	219.4	224.3	(1)	(1)	(1)	12.5	12.0	12.9	65.4	60.4	63.5
44 DISTRICT OF COLUMBIA	612.5	598.9	599.4	(1)	(1)	(1)	11.5	11.3	11.4	15.3	14.2	14.2
45 Washington SMSA	1,594.5	1,568.4	1,579.6	(1)	(1)	(1)	75.7	64.2	65.7	58.9	58.5	58.7
46 FLORIDA	3,739.9	3,816.1	3,830.3	11.3	10.8	10.7	280.7	264.1	262.4	466.5	468.8	457.4
47 Bradenton	46.7	49.5	49.7	-	-	-	4.3	4.7	4.6	7.7	7.4	7.1
48 Daytona Beach	81.8	80.8	81.0	-	-	-	5.2	4.9	4.7	8.7	8.3	8.4
49 Fort Lauderdale—Hollywood	372.2	357.9	359.9	(1)	(1)	(1)	33.3	26.1	26.1	41.8	41.0	41.0
50 Fort Myers—Cape Coral	72.9	71.8	71.5	(1)	(1)	(1)	9.3	8.2	8.0	3.7	3.8	3.8
51 Gainesville	67.7	70.3	70.7	(1)	(1)	(1)	3.4	3.0	3.1	4.3	4.5	4.5
52 Jacksonville	300.4	301.0	301.2	(1)	(1)	(1)	18.0	17.8	17.5	33.6	33.0	33.0
53 Lakeland—Winter Haven	127.4	122.7	121.8	6.2	5.8	5.6	10.0	9.5	9.4	24.6	23.0	22.1
54 Melbourne—Titusville—Cocoa	104.6	106.4	106.8	(1)	(1)	(1)	6.6	6.0	5.9	22.8	24.5	24.5
55 Miami	757.6	737.7	737.9	(1)	(1)	(1)	42.2	36.4	36.0	101.3	98.4	98.8
56 Orlando	299.5	301.3	303.0	(1)	(1)	(1)	21.9	18.4	18.5	37.9	39.0	38.8
57 Panama City	34.3	34.1	34.3	(1)	(1)	(1)	2.1	2.1	2.1	3.7	3.4	3.4
58 Pensacola	99.6	98.7	99.1	(1)	(1)	(1)	7.5	6.3	6.4	12.6	12.1	12.1
59 Sarasota	74.4	73.8	74.2	(1)	(1)	(1)	7.7	6.4	6.5	6.4	6.3	6.2
60 Tallahassee	76.9	74.4	74.2	(1)	(1)	(1)	3.7	3.3	3.4	2.8	2.9	2.9
61 Tampa—St. Petersburg	576.2	576.3	576.2	(1)	(1)	(1)	42.6	39.9	38.7	79.6	78.5	78.2
62 West Palm Beach—Boca Raton	224.8	227.9	227.4	(1)	(1)	(1)	21.8	19.0	18.6	28.8	29.1	29.3

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. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	
71.7	70.9	70.4	266.3	270.5	270.5	59.0	59.1	59.0	209.7	212.2	213.2	302.2	293.3	294.5	1
29.3	29.5	29.7	80.5	80.2	80.3	22.9	22.8	22.9	68.4	69.7	70.0	54.7	54.3	54.3	2
2.6	2.7	2.7	21.2	21.9	22.3	3.6	3.6	3.5	18.1	19.2	19.2	34.6	35.8	35.7	3
10.7	10.4	10.2	36.2	36.0	35.8	7.2	7.3	7.3	29.3	30.2	30.3	28.1	26.6	26.8	4
4.4	4.4	4.4	23.2	23.0	23.0	6.2	6.2	6.2	20.9	20.7	20.8	29.6	29.4	29.5	5
1.8	1.7	1.7	9.7	9.7	9.7	1.7	1.7	1.7	6.7	6.5	6.5	18.7	18.1	18.3	6
16.8	16.9	17.1	28.4	30.8	31.3	8.1	8.7	8.7	29.4	31.2	31.8	57.0	58.5	59.2	7
53.0	55.5	55.1	252.6	262.4	262.3	60.0	62.3	62.3	215.7	222.5	223.6	209.4	206.7	207.7	8
32.3	34.0	34.0	169.3	175.6	175.4	46.5	48.2	48.3	140.3	147.3	147.9	104.7	103.4	103.8	9
8.9	9.0	9.0	41.9	43.4	43.6	8.6	8.9	8.8	41.2	42.9	43.1	46.7	45.4	45.6	10
42.3	42.5	42.5	156.2	156.8	158.5	31.3	31.8	32.1	116.8	115.2	116.3	144.1	139.8	140.4	11
3.9	3.9	3.9	15.3	16.3	16.2	2.2	2.3	2.3	9.2	9.4	9.6	11.9	11.6	11.7	12
3.6	3.3	3.2	14.4	13.9	14.0	2.5	2.6	2.6	12.9	12.0	12.0	10.6	10.2	10.3	13
13.5	13.1	13.0	41.0	40.6	40.7	12.7	12.6	12.7	35.0	35.8	36.0	37.9	37.5	37.6	14
3.9	3.8	3.8	6.1	6.1	6.2	1.3	1.3	1.3	5.0	5.3	5.3	6.9	6.7	6.7	15
543.2	546.5	548.6	2,258.4	2,316.6	2,322.2	640.7	654.3	656.8	2,231.2	2,308.6	2,326.3	1,803.9	1,777.4	1,787.1	16
28.7	29.7	29.6	206.0	213.4	213.7	61.1	62.6	62.7	179.4	183.9	185.1	110.2	105.3	106.5	17
7.8	7.8	7.7	33.7	33.9	33.8	5.0	5.3	5.3	24.2	24.9	24.9	32.4	32.5	32.7	18
10.6	10.6	10.6	45.9	47.5	47.7	11.3	11.7	11.7	36.8	37.7	38.1	43.2	41.1	42.1	19
198.4	195.7	195.7	809.6	817.3	817.9	239.2	241.0	241.7	865.5	877.2	883.6	494.0	472.1	474.9	20
3.7	3.7	3.7	21.1	21.4	21.8	3.5	3.6	3.6	17.2	18.0	18.1	17.5	17.0	17.2	21
6.5	7.1	7.1	36.7	39.2	39.5	8.0	8.5	8.5	31.4	32.6	32.7	38.9	38.7	38.4	22
25.8	26.4	25.9	106.6	109.2	109.9	19.6	20.1	20.1	95.3	96.8	97.2	104.7	103.3	103.6	23
21.7	22.4	22.5	91.8	94.7	94.6	21.9	22.7	22.5	77.3	79.1	79.2	144.1	144.5	144.5	24
5.2	4.9	4.9	22.2	23.1	23.1	4.3	4.3	4.3	19.5	20.1	20.0	24.5	25.2	24.9	25
29.0	29.4	29.4	148.8	151.1	150.8	40.4	41.3	41.3	151.9	157.2	157.6	145.3	142.3	143.1	26
128.4	129.4	128.3	355.9	362.1	362.7	148.7	152.3	152.9	364.8	376.1	376.7	293.3	287.0	287.7	27
21.8	22.4	22.4	126.4	131.1	132.3	28.4	28.6	28.6	156.8	160.2	161.9	82.7	80.8	82.7	28
5.0	5.3	5.3	28.5	29.2	29.4	5.9	6.0	6.0	33.3	34.6	34.7	25.3	24.8	24.8	29
4.6	4.8	4.8	22.4	23.3	23.4	6.0	6.0	6.0	19.9	20.1	20.2	20.4	20.4	20.5	30
8.4	7.7	7.8	26.4	27.5	27.3	5.4	5.4	5.4	24.7	25.5	25.5	27.8	27.5	27.5	31
4.5	4.4	4.4	21.2	22.4	22.5	3.3	3.4	3.4	19.8	20.2	20.2	35.0	35.5	35.2	32
79.8	80.4	80.4	305.6	308.4	309.0	79.1	80.4	80.7	265.2	269.1	271.0	248.9	243.9	245.4	33
55.9	56.0	55.9	191.4	193.5	193.4	56.0	57.4	57.5	176.1	179.6	180.6	140.8	137.4	137.9	34
60.8	59.9	60.2	297.1	300.2	301.4	108.2	113.6	113.9	284.0	287.1	289.5	188.4	182.8	183.2	35
6.0	6.0	6.0	34.0	34.2	34.3	7.7	7.6	7.7	34.0	33.7	34.4	17.1	16.9	17.0	36
14.1	14.3	14.4	82.6	83.9	84.7	61.8	62.0	62.6	74.2	74.8	76.2	54.1	54.6	54.3	37
3.1	3.3	3.3	10.2	10.2	10.3	1.8	1.8	1.8	9.7	10.0	10.1	6.7	6.3	6.4	38
15.5	15.6	15.7	39.7	39.7	40.1	10.9	11.3	11.3	48.3	49.1	49.5	25.1	24.4	24.5	39
4.6	4.6	4.6	24.9	25.5	25.6	8.1	8.4	8.5	24.7	24.8	25.1	10.2	10.3	10.3	40
3.1	3.0	3.1	15.4	15.5	15.7	3.7	3.8	3.8	18.6	19.1	19.3	11.7	11.5	11.4	41
12.1	11.7	11.8	53.9	53.8	54.0	12.4	12.8	12.8	47.4	47.8	48.3	45.8	43.2	44.1	42
11.7	11.4	11.6	46.5	46.2	45.9	11.6	12.0	12.0	42.4	42.8	43.2	36.8	34.5	35.3	43
26.1	26.1	26.0	62.1	63.1	63.1	34.5	33.5	33.5	186.9	186.6	187.2	276.1	264.1	264.0	44
71.7	71.6	71.8	301.6	309.1	309.6	90.7	90.1	90.5	443.6	446.1	447.9	552.3	528.8	531.4	45
227.3	229.1	228.9	988.4	1,026.9	1,036.4	268.9	280.2	284.4	863.6	914.6	921.8	633.2	621.6	618.3	46
1.4	1.4	1.5	12.9	12.5	12.7	2.9	3.7	3.8	8.8	9.6	9.8	8.7	10.2	10.2	47
3.3	3.2	3.3	23.2	23.1	23.3	4.6	4.6	4.7	22.2	21.9	21.7	14.6	14.8	14.9	48
17.7	17.6	17.6	110.6	104.3	105.7	31.3	32.4	32.6	89.3	87.8	88.1	48.2	48.7	48.8	49
4.2	4.4	4.4	21.6	20.1	20.1	6.3	6.6	6.6	16.4	16.9	16.8	11.4	11.8	11.8	50
1.6	1.7	1.7	14.1	14.6	14.7	2.9	3.2	3.3	13.8	14.6	14.7	27.6	28.7	28.7	51
24.7	24.9	25.2	77.7	78.0	77.9	28.3	28.0	28.1	63.5	65.1	65.2	54.6	54.2	54.3	52
5.3	5.3	5.2	31.6	30.2	30.1	6.9	6.8	7.0	25.0	24.5	24.6	17.8	17.6	17.8	53
4.6	4.6	4.6	22.8	22.4	22.7	4.2	4.2	4.2	24.8	26.4	26.5	18.8	18.3	18.4	54
74.2	71.2	71.5	199.7	196.6	195.7	57.2	57.5	57.8	185.0	181.2	181.4	98.0	96.4	96.7	55
15.1	15.8	15.8	81.6	81.8	81.6	20.2	20.5	20.7	80.7	80.9	82.4	42.1	44.9	45.1	56
2.2	2.2	2.1	9.3	9.3	9.5	1.6	1.7	1.7	6.7	6.7	6.7	8.7	8.7	8.8	57
5.1	4.8	4.8	23.5	24.4	24.5	4.3	4.5	4.5	20.4	20.9	21.0	26.2	25.7	25.8	58
3.2	3.3	3.3	22.9	22.5	23.4	6.0	6.1	6.2	18.3	19.0	18.4	9.9	10.2	10.2	59
3.0	3.0	3.0	15.6	15.7	15.4	3.4	3.5	3.6	13.8	13.7	13.5	34.6	32.3	32.4	60
31.8	32.5	32.6	158.8	160.5	161.5	40.8	42.1	42.3	139.7	138.5	138.5	82.9	84.3	84.4	61
9.1	9.6	9.6	59.6	61.8	62.0	18.6	19.0	19.0	55.5	57.7	58.0	31.4	31.7	31.9	62

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P
1 GEORGIA.....	2,186.3	2,160.7	2,159.9	7.7	7.9	7.9	102.8	99.3	100.1	521.5	505.4	438.1
2 Albany.....	44.2	45.0	46.0	(1)	(1)	(1)	1.9	2.4	2.4	11.8	11.9	11.9
3 Atlanta.....	991.2	989.6	991.4	(1)	(1)	(1)	45.9	44.7	44.0	148.0	143.2	142.4
4 Augusta.....	122.1	122.5	122.2	(1)	(1)	(1)	5.5	4.8	4.8	35.7	35.3	34.9
5 Columbus.....	81.4	78.2	76.5	(1)	(1)	(1)	4.5	5.3	5.1	21.8	18.5	17.3
6 Macon.....	97.5	98.3	98.3	(1)	(1)	(1)	3.8	3.8	3.9	16.4	16.9	16.8
7 Savannah.....	86.8	89.3	89.8	(1)	(1)	(1)	4.7	4.9	4.8	16.5	16.4	16.2
8 HAWAII.....	407.7	402.2	403.3	(1)	(1)	(1)	22.8	20.3	20.3	22.9	22.2	21.9
9 Honolulu.....	335.2	329.5	330.4	(1)	(1)	(1)	18.2	16.4	16.5	16.5	15.8	15.6
10 IDAHO.....	324.8	313.4	314.5	4.9	3.4	3.3	14.9	13.7	14.3	51.4	48.0	47.9
11 Boise City.....	78.0	74.6	75.5	(1)	(1)	(1)	5.3	4.8	4.8	8.5	8.5	8.6
12 ILLINOIS.....	4,711.7	4,614.3	4,625.6	28.2	28.2	28.2	153.4	136.5	143.7	1,135.7	1,064.3	1,058.2
13 Bloomington—Normal.....	50.8	49.7	49.6	(2)	(2)	(2)	1.5	1.2	1.4	7.0	6.3	6.2
14 Champaign—Urbana—Rantoul.....	76.4	76.0	76.5	(2)	(2)	(2)	1.3	1.2	1.3	7.7	7.7	7.7
15 Chicago—Gary.....	3,448.1	3,397.8	3,391.0	5.0	3.9	3.8	115.4	97.8	100.6	902.7	814.4	807.1
16 Chicago SMSA.....	3,212.2	3,159.2	3,152.6	3.9	3.8	3.7	95.5	84.7	87.4	777.0	730.7	726.2
17 Davenport—Rock Island—Moline.....	163.0	158.7	156.1	(2)	(2)	(2)	6.7	6.4	6.6	51.3	47.4	44.7
18 Decatur.....	55.6	54.6	54.8	(2)	(2)	(2)	2.0	1.8	2.0	20.1	19.7	19.4
19 Kankakee.....	33.5	32.6	32.7	(2)	(2)	(2)	1.4	1.4	1.5	9.3	8.2	8.1
20 Peoria.....	145.7	142.8	142.8	(2)	(2)	(2)	6.0	5.4	5.7	47.3	45.1	44.5
21 Rockford.....	115.5	109.1	111.4	(2)	(2)	(2)	3.2	3.1	3.1	48.8	42.7	45.3
22 Springfield.....	85.5	85.1	85.6	(2)	(2)	(2)	3.4	3.2	3.4	6.6	6.3	6.4
23 INDIANA.....	2,110.9	2,021.0	2,025.4	9.5	8.2	8.7	78.3	67.2	69.4	660.9	612.1	609.2
24 Anderson.....	46.1	41.6	41.7	(1)	(1)	(1)	.9	1.0	1.0	20.1	16.4	16.4
25 Elkhart.....	67.4	64.6	65.2	-	-	-	2.0	1.7	1.7	34.2	32.7	33.1
26 Evansville.....	126.1	122.9	123.5	2.8	2.6	2.5	6.0	6.0	6.1	37.1	33.8	34.5
27 Fort Wayne.....	169.6	163.3	163.0	(1)	(1)	(1)	6.7	6.2	6.1	53.5	49.5	49.4
28 Gary—Hammond—East Chicago.....	251.0	238.6	238.4	(1)	(1)	(1)	14.2	13.1	13.2	92.9	83.7	82.9
29 Indianapolis.....	528.1	515.6	517.0	(1)	(1)	(1)	20.2	18.2	18.8	122.7	117.0	116.4
30 Lafayette—West Lafayette.....	57.5	57.6	56.9	(1)	(1)	(1)	2.1	2.1	2.0	11.1	10.9	10.8
31 Muncie.....	49.4	46.5	46.7	(1)	(1)	(1)	1.1	.9	.9	13.0	10.7	10.8
32 South Bend.....	107.2	103.0	103.3	(1)	(1)	(1)	4.4	3.3	3.3	30.4	29.2	29.6
33 Terre Haute.....	62.2	57.9	57.7	1.3	1.4	1.4	3.0	2.4	2.4	15.1	13.6	13.6
34 IOWA.....	1,091.3	1,049.3	1,046.5	1.7	1.3	1.5	40.0	32.1	33.7	237.3	221.9	211.1
35 Cedar Rapids.....	81.8	78.0	77.8	(1)	(1)	(1)	3.1	2.6	2.6	26.1	24.6	24.2
36 Des Moines.....	177.3	171.1	171.1	(1)	(1)	(1)	6.2	4.6	4.8	24.1	21.5	21.4
37 Dubuque.....	41.8	39.9	39.8	(1)	(1)	(1)	1.1	.9	.9	14.5	12.9	12.9
38 Sioux City.....	48.9	48.0	48.3	(1)	(1)	(1)	1.9	1.2	1.3	9.1	9.0	8.8
39 Waterloo—Cedar Falls.....	65.3	61.5	62.6	(1)	(1)	(1)	2.0	1.8	1.6	23.2	20.5	11.5
40 KANSAS.....	946.7	933.4	940.6	18.3	20.0	20.2	41.4	32.6	36.1	189.0	183.1	180.3
41 Lawrence.....	28.6	28.4	28.5	(2)	(2)	(2)	.8	.7	.6	4.7	4.5	4.5
42 Topeka.....	85.9	84.3	84.5	.2	.1	.1	3.2	2.5	2.5	10.3	9.8	9.9
43 Wichita.....	207.9	201.6	201.6	3.2	3.8	3.8	9.2	7.7	8.7	65.1	61.9	59.8
44 KENTUCKY.....	1,190.9	1,166.2	1,169.0	52.7	53.2	54.1	49.0	41.4	43.4	271.2	260.4	253.9
45 Lexington—Fayette.....	141.6	(*)	(*)	(1)	(1)	(1)	5.9	(*)	(*)	29.2	(*)	(*)
46 Louisville.....	385.6	372.0	370.4	(1)	(1)	(1)	15.2	15.2	15.8	100.4	93.1	99.0
47 Owensboro.....	31.0	28.0	28.0	1.0	.8	.8	1.7	1.2	1.2	6.8	5.9	6.0
48 LOUISIANA.....	1,602.7	1,627.0	1,629.9	94.4	100.8	100.8	135.4	135.1	136.1	216.5	208.6	207.2
49 Alexandria.....	52.6	52.3	53.4	(1)	(1)	(1)	3.7	3.6	3.7	5.3	5.2	5.2
50 Baton Rouge.....	203.3	205.7	205.9	1.2	1.3	1.3	25.4	21.1	20.9	25.7	25.8	25.8
51 Lafayette.....	85.8	93.8	94.2	17.6	20.0	20.3	5.6	5.5	5.5	4.4	5.1	5.0
52 Lake Charles.....	69.9	68.6	68.1	2.2	2.5	2.5	10.4	8.3	8.1	13.5	12.3	12.3
53 Monroe.....	51.1	49.0	48.7	.6	.7	.7	3.3	2.7	2.7	8.0	7.4	7.2
54 New Orleans.....	514.9	516.4	515.4	19.0	21.3	21.5	31.0	30.0	30.0	51.6	50.0	49.7
55 Shreveport.....	149.2	151.7	152.6	7.4	8.1	8.1	8.4	7.9	7.8	27.2	28.1	28.2
56 MAINE.....	406.2	399.7	398.9	(1)	(1)	(1)	14.1	12.7	12.5	111.9	107.4	106.6
57 Lewiston—Auburn.....	34.0	32.9	33.1	(1)	(1)	(1)	1.1	1.0	1.0	11.5	10.8	10.8
58 Portland.....	89.9	92.4	93.0	(1)	(1)	(1)	3.1	3.2	3.2	18.3	17.4	17.4
59 MARYLAND.....	1,706.5	1,653.2	1,662.6	(1)	(1)	(1)	95.8	74.9	77.9	232.6	218.9	216.9
60 Baltimore SMSA.....	959.0	930.4	933.3	(1)	(1)	(1)	46.5	34.3	36.1	157.4	146.4	144.3
61 Baltimore City.....	456.2	434.9	436.3	(1)	(1)	(1)	17.0	13.3	14.6	66.3	60.1	59.9

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

TRANSPORTATION AND PUBLIC UTILITIES			WHOLESALE AND RETAIL TRADE			FINANCE, INSURANCE, AND REAL ESTATE			SERVICES			GOVERNMENT			
MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	
143.3	141.9	142.4	501.0	492.5	494.1	113.3	114.1	114.2	355.8	360.8	364.7	440.8	438.9	438.4	1
2.3	2.2	2.3	9.2	9.5	9.5	2.0	2.0	2.0	6.2	6.3	6.3	10.8	10.7	11.7	2
88.6	88.4	88.7	268.2	268.0	270.5	67.7	67.5	67.5	207.8	215.6	216.0	164.9	162.2	162.3	3
4.3	4.5	4.5	22.2	22.5	22.5	4.5	4.5	4.5	18.0	18.3	18.3	31.8	32.5	32.7	4
3.3	3.2	3.2	15.7	15.8	15.6	5.3	5.4	5.4	11.3	11.2	11.3	19.4	18.7	18.7	5
4.5	4.4	4.4	19.8	20.1	20.0	6.1	6.2	6.3	17.2	17.0	17.2	29.7	29.8	29.8	6
9.0	8.4	9.1	21.2	21.9	21.8	4.0	4.0	4.1	15.3	16.3	16.5	16.0	17.3	17.3	7
31.6	30.5	30.5	105.9	104.7	104.9	32.0	32.4	32.2	101.8	102.2	102.4	90.7	89.9	91.1	8
26.4	25.5	25.4	87.8	86.8	86.9	27.4	27.8	27.7	81.7	80.7	80.7	77.2	76.5	77.6	9
19.9	19.0	18.9	79.3	77.6	77.8	23.1	23.2	23.2	60.2	58.5	58.6	71.1	70.0	70.5	10
5.1	4.7	4.8	19.7	19.1	19.3	8.1	7.8	7.8	14.6	14.0	14.1	16.7	15.7	16.1	11
285.6	274.8	275.5	1,083.5	1,068.9	1,072.4	313.2	313.5	314.1	946.4	956.0	959.6	765.7	772.1	773.9	12
3.1	3.1	3.2	12.1	11.7	11.8	7.6	7.9	7.8	8.4	8.4	8.4	11.1	11.1	10.8	13
2.5	2.5	2.5	19.4	18.5	18.7	2.5	2.4	2.4	11.3	11.5	11.6	31.7	32.2	32.3	14
212.2	206.7	206.5	786.9	799.0	801.4	226.8	250.7	249.4	684.4	742.3	734.0	514.8	483.0	486.2	15
198.0	192.6	192.5	755.1	749.0	751.3	241.0	241.7	240.4	690.7	704.8	696.3	451.0	451.9	454.8	16
6.7	6.8	6.8	40.2	39.7	39.7	7.2	7.2	7.2	24.9	24.9	24.9	26.0	26.3	26.2	17
5.2	5.2	5.2	11.6	11.5	11.5	2.7	2.6	2.7	8.6	8.6	8.6	5.4	5.2	5.4	18
1.4	1.4	1.4	6.8	6.8	6.9	1.1	1.1	1.1	6.4	6.5	6.5	7.1	7.2	7.2	19
7.9	7.9	7.9	34.4	33.9	34.0	7.1	7.0	7.0	25.5	25.8	26.0	17.5	17.7	17.7	20
4.4	4.4	4.4	24.3	23.9	24.0	4.1	4.3	4.3	18.3	18.2	18.2	12.4	12.5	12.1	21
4.7	4.7	4.7	18.5	18.1	18.1	6.7	6.7	6.7	17.4	17.7	17.8	28.2	28.4	28.5	22
104.2	98.5	97.6	462.2	451.1	453.3	100.7	98.7	99.0	336.8	340.2	341.8	358.3	345.1	346.4	23
1.3	1.2	1.2	9.1	8.9	8.9	1.6	1.6	1.5	7.2	7.1	7.2	5.9	5.4	5.5	24
2.1	2.0	2.0	13.0	12.5	12.5	2.1	2.1	2.1	8.8	8.8	8.8	5.2	4.9	5.0	25
7.1	7.0	7.0	30.4	31.0	31.1	4.6	4.6	4.6	25.1	25.3	25.1	13.0	12.6	12.6	26
10.7	10.5	10.4	41.0	40.6	40.5	10.6	10.4	10.4	28.7	28.5	28.4	18.4	17.6	17.8	27
14.4	14.1	14.0	50.6	50.0	50.1	9.2	9.0	9.0	37.3	37.6	37.8	32.4	31.1	31.4	28
30.9	29.9	29.8	130.2	129.1	129.6	38.4	38.0	37.9	95.9	97.1	97.6	89.8	86.3	86.9	29
1.5	1.4	1.4	10.9	11.0	11.0	2.5	2.5	2.5	9.3	9.4	9.4	20.1	20.3	19.8	30
2.0	2.0	2.0	12.1	12.0	12.1	1.5	1.4	1.4	8.1	8.2	8.2	11.6	11.3	11.3	31
4.6	4.4	4.4	25.8	24.6	24.5	5.3	5.2	5.2	23.8	23.5	23.6	12.9	12.8	12.7	32
3.5	3.2	3.2	15.3	13.9	13.8	2.2	1.9	1.9	9.4	9.3	9.2	12.4	12.2	12.2	33
54.2	51.4	51.3	272.3	261.8	264.5	58.6	58.8	58.9	209.7	209.7	210.7	217.4	212.4	214.9	34
3.8	3.7	3.7	19.2	18.0	18.1	4.3	4.2	4.2	15.7	15.9	15.9	9.4	9.0	9.1	35
11.0	10.9	10.9	45.7	44.7	44.3	21.9	22.7	22.7	39.9	39.5	39.7	28.6	27.2	27.2	36
1.6	1.5	1.6	9.0	8.8	8.7	1.3	1.3	1.3	10.3	10.8	10.8	3.9	3.6	3.7	37
3.8	3.7	3.7	12.9	12.7	12.9	2.8	2.7	2.7	12.1	12.4	12.5	6.3	6.3	6.4	38
2.3	2.3	2.3	13.5	13.1	13.1	2.1	2.0	2.0	10.9	10.8	10.9	11.3	10.9	11.0	39
62.4	61.3	61.8	224.0	222.9	225.3	47.3	47.2	47.3	171.8	175.9	177.8	192.5	190.4	191.8	40
1.4	1.4	1.4	5.5	5.6	5.6	.9	.8	.8	3.9	4.1	4.2	11.4	11.3	11.4	41
8.1	7.9	7.9	18.3	18.1	18.1	6.0	6.0	5.9	17.5	17.9	18.0	22.3	22.0	22.1	42
10.3	10.2	10.2	46.6	45.3	45.9	9.5	9.5	9.5	39.5	40.2	40.5	24.5	23.0	23.2	43
66.9	65.5	65.1	254.4	248.9	249.8	52.3	51.6	51.3	212.7	214.1	214.7	231.7	231.1	231.7	44
7.5	(*)	(*)	31.1	(*)	(*)	7.3	(*)	(*)	27.5	(*)	(*)	33.1	(*)	(*)	45
23.7	22.7	22.8	86.1	85.4	85.8	24.0	23.8	23.8	76.1	76.4	77.8	60.1	55.3	55.3	46
2.3	2.3	2.3	7.1	6.3	6.2	1.2	1.3	1.3	6.1	5.5	5.5	4.8	4.7	4.7	47
130.5	131.0	130.8	360.0	370.1	371.0	76.3	75.5	75.7	282.5	294.5	295.1	307.1	311.4	313.2	48
2.4	2.3	2.3	11.4	11.7	11.8	2.9	2.9	2.9	11.0	11.5	11.5	15.0	16.1	16.0	49
10.4	11.1	11.1	45.1	47.1	47.3	11.9	12.3	12.4	34.6	37.5	37.0	49.0	49.5	50.1	50
6.3	7.1	7.2	22.1	24.2	24.4	3.0	3.3	3.3	16.2	17.8	17.7	10.6	10.8	10.8	51
4.3	4.4	4.3	14.6	15.4	15.4	2.9	3.0	3.0	10.6	11.3	11.2	11.4	11.4	11.3	52
2.6	2.5	2.5	13.0	12.6	12.4	3.9	3.8	3.8	8.7	8.4	8.5	11.0	10.9	10.9	53
55.7	55.6	55.7	127.8	130.1	128.7	30.8	31.3	31.2	116.7	116.7	117.2	82.3	81.4	81.4	54
9.3	9.0	8.9	35.4	35.3	35.8	7.2	6.9	7.1	28.3	30.4	30.7	26.0	26.0	26.0	55
18.0	17.9	18.0	83.8	83.5	84.1	16.5	17.2	17.3	76.7	76.7	76.5	85.2	84.3	83.9	56
1.2	1.2	1.1	7.8	7.6	7.8	1.7	1.8	1.7	7.5	7.6	7.7	3.2	2.9	3.0	57
5.4	5.4	5.5	23.5	24.7	24.8	7.4	7.7	7.8	19.1	20.9	21.2	13.1	13.1	13.1	58
86.1	83.5	83.8	395.9	398.5	400.9	92.0	92.4	92.8	369.8	371.2	372.9	434.3	413.8	417.4	59
58.4	55.6	55.6	215.8	220.4	221.5	57.1	57.4	57.6	196.5	199.1	199.2	227.3	217.2	218.5	60
39.9	38.6	38.3	96.7	95.6	96.1	38.2	38.4	38.5	106.1	106.4	106.1	92.0	82.5	82.8	61



**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P
1 MASSACHUSETTS <sup>5</sup>	2,639.2	2,589.4	2,606.3	(1)	(1)	(1)	68.4	66.0	69.6	664.9	644.5	642.5
2 Boston <sup>5</sup>	1,474.6	1,454.6	1,467.6	(1)	(1)	(1)	38.8	37.1	38.6	293.3	285.3	235.6
3 Brockton <sup>5</sup>	57.5	56.6	56.8	(1)	(1)	(1)	1.3	1.2	1.2	12.5	12.2	12.4
4 Fall River <sup>5</sup>	53.5	51.8	52.3	(1)	(1)	(1)	1.0	.9	.9	20.1	19.1	19.4
5 Lawrence—Haverhill <sup>5</sup>	115.4	112.6	112.8	(1)	(1)	(1)	2.4	2.2	2.3	46.7	44.4	44.3
6 Lowell <sup>5</sup>	78.4	78.9	79.3	(1)	(1)	(1)	2.3	2.3	2.4	28.8	29.8	29.8
7 New Bedford <sup>5</sup>	64.0	61.9	62.1	(1)	(1)	(1)	1.2	1.1	1.2	25.9	25.1	24.9
8 Springfield—Chicopee—Holyoke <sup>5</sup>	235.3	230.1	230.8	(1)	(1)	(1)	5.3	4.9	5.1	63.2	61.1	60.8
9 Worcester <sup>5</sup>	165.2	162.3	163.3	(1)	(1)	(1)	4.3	4.0	4.2	47.7	45.8	45.2
10 MICHIGAN	3,375.1	3,218.2	3,227.4	11.8	11.1	10.8	94.4	78.2	76.8	993.2	897.6	921.6
11 Ann Arbor	139.5	133.9	133.6	(1)	(1)	(1)	2.3	1.8	1.6	38.1	34.8	34.6
12 Battle Creek	62.0	60.0	60.9	(1)	(1)	(1)	1.3	1.1	1.2	19.4	18.0	18.6
13 Bay City	34.1	33.8	33.9	(1)	(1)	(1)	.9	1.0	1.0	8.8	8.4	8.2
14 Benton Harbor	58.5	56.7	56.9	(1)	(1)	(1)	1.5	1.3	1.4	20.3	19.8	19.7
15 Detroit	1,636.8	1,545.5	1,557.2	1.1	.8	.8	43.4	36.6	35.6	479.2	424.6	432.2
16 Flint	190.8	175.2	175.8	(1)	(1)	(1)	4.4	4.2	3.9	75.2	63.7	62.9
17 Grand Rapids	266.1	261.9	263.2	(1)	(1)	(1)	9.6	8.7	9.1	89.1	86.0	86.1
18 Jackson	50.8	49.0	48.3	(1)	(1)	(1)	1.0	.8	.8	14.2	13.6	13.3
19 Kalamazoo—Portage	110.0	107.4	107.5	(1)	(1)	(1)	3.7	3.4	3.4	32.6	30.4	30.6
20 Lansing—East Lansing	192.4	189.2	188.5	(1)	(1)	(1)	4.7	2.8	2.9	39.8	39.2	38.1
21 Muskegon—Norton Shore—Musk. Hts.	58.1	57.5	57.5	(1)	(1)	(1)	1.7	1.6	1.5	19.6	19.4	19.2
22 Saginaw	85.5	79.4	79.4	(1)	(1)	(1)	2.2	1.9	1.9	30.5	25.0	24.6
23 MINNESOTA	1,737.9	1,710.1	1,715.4	14.9	13.7	11.7	57.1	52.2	53.6	357.2	346.6	346.7
24 Duluth—Superior	58.0	55.5	55.1	(1)	(1)	(1)	1.7	1.1	1.2	7.2	7.1	6.7
25 Minneapolis—St. Paul	1,085.3	1,070.5	1,072.4	(1)	(1)	(1)	36.1	30.6	31.2	241.3	237.3	237.4
26 Rochester	50.3	50.0	50.2	(2)	(2)	(2)	1.5	1.4	1.4	10.1	9.9	9.9
27 St. Cloud	54.8	53.4	53.5	(1)	(1)	(1)	2.5	1.9	2.3	11.9	11.2	11.3
28 MISSISSIPPI	817.2	808.6	809.4	12.0	12.9	12.8	40.5	40.2	40.6	217.9	212.4	211.9
29 Jackson	147.1	146.3	146.6	1.9	2.1	2.2	6.5	5.4	5.6	18.7	18.0	17.9
30 MISSOURI	1,950.3	1,920.3	1,939.8	7.1	6.7	7.0	76.5	71.7	79.8	427.5	415.2	416.3
31 Kansas City	622.4	598.8	602.1	.5	.4	.5	22.2	18.0	19.3	119.5	111.5	114.5
32 St. Joseph	37.3	35.1	34.9	(2)	(2)	(2)	1.8	1.5	1.6	9.2	8.0	8.1
33 St. Louis	987.2	955.5	968.4	3.4	3.3	3.4	42.6	34.8	39.5	231.9	222.5	221.2
34 Springfield	86.6	84.6	85.5	(2)	(2)	(2)	3.0	2.5	2.9	17.9	17.6	17.7
35 MONTANA	276.3	288.9	288.5	11.0	11.9	11.1	10.8	12.7	14.2	22.3	22.0	20.9
36 Billings	46.9	49.1	49.0	(1)	(1)	(1)	1.8	2.3	2.4	4.2	4.3	4.1
37 Great Falls	28.7	30.5	30.9	(1)	(1)	(1)	1.2	1.6	1.7	1.3	1.5	1.5
38 NEBRASKA	615.3	610.1	611.5	1.6	1.4	1.5	25.2	20.2	21.1	94.0	90.9	88.8
39 Lincoln	97.0	97.6	98.1	(2)	(2)	(2)	3.3	2.5	2.5	13.0	12.6	12.3
40 Omaha	260.7	257.6	258.0	(2)	(2)	(2)	9.7	7.6	8.0	35.2	34.4	34.2
41 NEVADA	404.2	412.3	413.8	7.7	7.6	7.6	25.3	22.4	23.0	19.5	20.5	20.4
42 Las Vegas	275.8	231.1	231.6	.5	.6	.6	14.0	13.6	14.1	7.2	7.6	7.5
43 Reno	112.4	114.7	115.2	.9	.7	.7	6.6	5.3	5.3	8.2	8.4	8.3
44 NEW HAMPSHIRE	382.6	386.3	386.8	(2)	(2)	(2)	16.7	19.7	19.8	115.4	113.0	113.4
45 Manchester	73.6	74.2	74.3	(2)	(2)	(2)	2.8	2.6	2.6	17.0	16.9	16.9
46 Nashua	65.5	66.8	67.3	(2)	(2)	(2)	2.3	2.4	2.4	30.7	30.3	30.3
47 NEW JERSEY <sup>5</sup>	3,036.7	3,025.7	3,036.5	2.3	2.2	2.3	97.5	100.1	104.5	768.0	744.0	738.9
48 Atlantic City <sup>5</sup>	95.9	96.9	98.4	-	-	-	5.4	5.1	5.4	8.3	7.2	7.3
49 Camden	338.6	338.9	339.5	.1	.1	.1	11.9	11.2	12.1	70.4	68.7	68.0
50 Hackensack <sup>5</sup>	392.0	390.8	394.0	(1)	(1)	(1)	12.8	13.2	14.0	109.1	106.9	107.0
51 Jersey City <sup>5</sup>	223.3	221.3	222.0	-	-	-	4.4	4.8	5.1	65.4	64.8	64.4
52 Long Branch—Asbury Park <sup>5</sup>	162.5	164.7	165.2	(1)	(1)	(1)	5.8	6.3	6.4	25.1	24.7	24.4
53 New Bruns.—Perth Amboy—Sayreville <sup>5</sup>	291.8	286.6	288.5	(1)	(1)	(1)	9.1	10.0	10.7	90.6	87.3	87.3
54 Newark <sup>5</sup>	934.1	931.7	933.7	.7	.8	.9	28.7	27.8	29.3	245.8	237.1	235.9
55 Paterson—Clifton—Passaic <sup>5</sup>	189.4	186.3	186.8	(1)	(1)	(1)	5.7	5.7	5.7	67.0	66.1	65.6
56 Trenton <sup>5</sup>	162.1	159.5	160.0	(1)	(1)	(1)	2.7	3.0	3.1	33.7	31.0	31.0
57 Vineland—Millville—Bridgeton <sup>5</sup>	52.8	52.1	52.0	(1)	(1)	(1)	1.6	1.8	1.7	17.3	16.7	16.5
58 NEW MEXICO	470.6	471.2	472.7	30.6	30.7	30.6	31.5	30.5	31.0	33.7	33.2	33.2
59 Albuquerque	187.2	186.7	187.5	(1)	(1)	(1)	11.6	10.9	11.3	17.4	17.0	16.9
60 Las Cruces	30.0	30.9	31.2	-	-	-	1.7	1.7	1.7	2.6	2.7	2.7

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

TRANSPORTATION AND PUBLIC UTILITIES			WHOLESALE AND RETAIL TRADE			FINANCE, INSURANCE, AND REAL ESTATE			SERVICES			GOVERNMENT		
MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P
119.1	116.3	116.9	560.5	562.9	566.6	160.6	164.1	165.2	656.8	664.2	674.2	408.9	371.4	371.3
71.5	69.0	69.3	314.8	317.0	319.4	110.8	115.4	115.9	437.7	443.9	452.5	207.7	186.9	186.3
3.4	3.5	3.6	14.9	14.9	14.9	2.1	2.2	2.2	10.6	10.7	10.8	12.7	11.9	11.7
1.8	1.8	1.8	11.4	11.3	11.4	2.8	2.9	2.9	8.9	9.0	9.1	7.5	6.8	6.8
4.9	4.9	4.9	21.6	22.0	22.2	4.1	4.3	4.3	18.0	18.4	18.5	17.7	16.4	16.3
3.2	3.3	3.3	16.3	16.5	16.7	2.1	2.1	2.1	12.7	13.1	13.2	13.0	11.8	11.8
2.3	2.3	2.3	12.2	12.1	12.2	2.0	1.9	2.0	9.9	10.3	10.4	10.5	9.1	9.1
9.3	9.2	9.3	47.9	47.3	47.8	13.0	13.3	13.2	47.0	48.6	48.7	49.6	45.7	45.9
7.2	7.6	7.5	35.5	34.9	35.5	9.7	10.0	10.1	35.8	36.7	37.2	25.0	23.2	23.6
146.0	138.7	138.1	700.4	668.0	667.0	154.4	151.1	151.6	643.8	653.6	657.5	631.0	620.0	624.0
3.2	3.4	3.4	20.3	19.0	19.0	4.1	3.8	3.9	23.8	24.2	24.3	47.6	46.7	46.9
2.2	2.2	2.2	10.6	10.4	10.5	4.3	4.3	4.2	11.5	11.9	11.9	12.7	12.2	12.3
1.7	1.7	1.7	8.5	8.7	8.7	1.4	1.3	1.4	7.0	7.4	7.5	5.8	5.3	5.4
2.1	2.1	2.0	11.4	11.0	11.1	2.0	1.9	1.9	12.1	12.0	12.1	9.1	8.6	8.7
78.2	73.3	73.8	351.8	341.9	341.9	88.7	87.2	87.4	344.2	342.7	344.2	250.1	238.5	241.5
5.9	5.7	6.0	39.9	38.1	38.4	5.3	6.4	6.4	28.9	28.3	28.7	30.1	28.8	29.5
11.0	11.0	11.0	62.5	63.0	63.4	11.0	10.9	10.8	50.9	51.1	51.4	32.1	31.2	31.4
5.0	5.1	4.6	10.3	9.8	9.8	1.6	1.6	1.6	9.6	9.4	9.7	9.1	8.7	8.5
4.0	4.3	4.3	22.1	21.6	21.7	3.9	4.0	4.0	22.1	22.4	22.4	21.5	21.3	21.2
5.6	5.6	5.6	34.8	34.9	35.5	9.3	9.2	9.2	29.9	30.5	31.3	68.3	66.9	65.8
3.0	3.1	3.1	11.1	11.2	11.3	1.3	1.4	1.4	10.3	10.1	10.2	11.0	10.7	10.7
4.8	4.9	4.9	17.8	18.1	18.3	4.0	3.9	3.9	14.0	14.5	14.6	12.1	11.0	11.2
97.4	94.9	95.2	429.4	422.5	426.2	96.5	97.9	97.5	376.1	379.9	381.7	309.2	302.5	302.8
5.8	5.1	5.1	15.2	14.5	14.6	2.4	2.2	2.2	13.5	13.3	13.3	12.3	12.2	12.0
62.6	61.2	61.5	265.3	263.8	263.9	71.7	72.9	72.8	245.6	244.7	245.9	162.8	159.9	159.8
1.9	1.9	1.9	9.7	10.1	10.1	1.5	1.5	1.5	19.6	19.9	20.1	6.0	5.3	5.3
3.5	3.3	3.3	13.1	13.2	13.1	2.0	1.9	1.9	9.9	10.3	10.3	11.9	11.5	11.4
39.9	40.3	40.3	160.1	160.7	161.3	32.6	32.9	32.9	121.1	121.2	121.8	193.1	187.9	187.8
9.9	10.0	10.0	34.4	34.6	34.5	11.2	11.1	11.1	29.7	30.2	30.3	34.7	34.8	34.9
137.6	135.4	135.1	454.9	451.2	455.6	107.8	107.9	107.9	396.2	400.9	404.9	342.7	331.3	333.2
52.1	50.2	49.8	158.4	153.5	152.5	44.1	44.1	44.0	129.8	129.0	129.7	95.8	92.1	91.8
2.2	2.1	2.1	9.1	8.5	8.6	1.8	2.0	1.9	6.9	6.6	6.4	6.3	6.3	6.2
71.8	69.1	69.4	224.1	221.7	221.9	56.8	56.4	56.7	218.7	218.4	221.1	138.0	133.3	135.2
7.1	7.0	7.1	23.3	22.6	22.5	3.5	3.5	3.5	19.5	19.3	19.7	12.3	12.1	12.1
22.2	23.0	23.1	70.4	76.0	76.0	12.8	12.5	12.5	55.8	57.8	57.7	71.0	73.1	73.0
4.3	4.5	4.6	15.4	16.3	16.3	2.4	2.6	2.6	11.1	11.6	11.5	7.8	7.5	7.5
1.9	2.1	2.1	9.1	10.1	10.2	2.1	2.2	2.2	7.1	7.2	7.5	6.0	5.9	5.7
46.9	43.8	43.2	159.3	159.2	161.0	40.8	41.3	41.3	118.1	120.5	120.8	129.7	132.5	133.8
7.3	6.6	6.8	22.2	22.5	22.6	6.9	7.0	7.0	17.3	17.2	17.2	27.1	29.2	29.7
23.9	23.3	22.9	66.2	65.0	65.6	23.6	23.8	23.9	59.6	59.6	59.4	42.5	43.9	44.0
24.5	25.4	25.4	82.0	85.0	85.1	18.1	18.4	18.4	169.0	174.6	175.4	58.1	58.4	58.5
13.7	14.1	14.1	47.9	48.7	48.6	10.3	10.5	10.5	105.5	108.5	108.6	26.7	27.5	27.6
8.0	8.2	8.2	24.3	26.0	26.0	6.0	6.1	6.1	41.8	43.5	44.0	16.6	16.5	16.6
14.2	14.2	14.3	84.6	85.7	86.1	20.3	20.6	20.6	73.1	76.5	75.7	58.3	56.6	56.9
4.7	4.8	4.8	19.1	19.7	19.7	6.1	6.3	6.3	15.3	15.7	15.8	8.6	8.2	8.2
2.1	2.2	2.2	12.7	13.9	14.1	2.0	2.0	2.0	10.1	10.6	10.7	5.6	5.4	5.6
191.2	191.7	192.0	666.6	672.6	676.3	159.3	161.6	161.8	619.1	628.0	634.7	532.6	525.5	526.0
4.0	3.9	3.9	17.6	16.6	16.8	5.0	4.7	4.7	39.5	43.2	44.0	16.3	16.2	16.3
15.3	15.1	15.2	86.3	87.6	87.2	17.6	16.9	17.0	69.3	72.5	72.9	67.8	66.8	67.0
20.2	20.2	20.2	115.1	112.9	113.2	17.6	17.9	18.1	74.8	77.4	79.3	42.4	42.3	42.2
26.0	24.5	24.5	44.3	44.4	44.9	8.4	8.5	8.5	32.3	32.9	32.9	42.5	41.4	41.7
6.4	6.7	6.7	39.2	39.8	40.1	7.7	7.8	7.9	41.5	43.1	43.1	36.8	36.3	36.6
23.3	23.7	23.5	66.8	66.5	66.5	11.5	11.6	11.6	42.4	43.6	44.4	48.1	43.9	44.5
72.3	74.1	74.2	178.9	179.3	179.4	63.9	65.8	65.8	197.0	201.1	202.5	146.8	145.7	145.7
6.7	6.3	6.4	39.8	39.3	39.3	9.4	8.9	8.9	34.2	33.9	34.8	26.6	26.1	26.1
5.2	5.3	5.3	24.5	24.0	23.9	7.9	8.5	8.6	41.9	41.8	42.2	46.2	45.9	45.9
2.9	3.1	3.1	8.5	8.7	8.8	2.4	2.5	2.5	8.8	8.6	8.6	11.4	10.7	10.8
29.1	29.1	28.8	102.7	106.0	106.5	21.1	21.7	21.8	94.1	93.2	93.7	127.8	126.8	127.1
12.0	11.6	11.4	46.7	47.7	47.7	10.8	10.8	10.9	44.6	46.2	46.8	44.1	42.5	42.5
1.2	1.2	1.2	5.2	5.7	5.8	1.2	1.2	1.2	4.2	4.2	4.2	13.9	14.2	14.4

# 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. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P
<b>1 NEW YORK</b>	<b>7,197.7</b>	<b>7,202.8</b>	<b>7,230.0</b>	<b>5.7</b>	<b>5.4</b>	<b>5.6</b>	<b>187.1</b>	<b>182.3</b>	<b>186.5</b>	<b>1,426.1</b>	<b>1,393.7</b>	<b>1,394.4</b>
2 Albany—Schenectady—Troy	337.8	333.3	334.7	(1)	(1)	(1)	8.6	7.5	7.5	56.8	52.9	52.7
3 Binghamton	115.7	118.5	118.5	(1)	(1)	(1)	3.2	3.1	3.1	42.1	43.7	43.1
4 Buffalo	492.7	474.5	473.9	(1)	(1)	(1)	12.9	11.7	11.3	131.0	119.5	119.4
5 Elmira	36.1	35.5	35.2	(1)	(1)	(1)	.9	.7	.7	10.8	10.5	10.2
6 Monroe County	339.2	342.0	342.0	(1)	(1)	(1)	8.2	8.3	8.4	136.8	137.6	138.3
7 Nassau—Suffolk	911.6	901.6	911.2	(1)	(1)	(1)	32.1	29.9	31.5	167.6	165.6	166.3
8 New York—Northeastern New Jersey	6,699.0	(*)	(*)	2.8	(*)	(*)	187.6	(*)	(*)	1,329.0	(*)	(*)
9 New York and Nassau—Suffolk	4,692.7	4,694.8	4,723.8	1.9	1.9	1.9	127.4	125.4	129.5	746.8	727.1	731.3
10 New York SMSA	3,781.1	3,793.2	3,812.6	1.7	1.7	1.7	95.3	95.5	98.0	579.2	561.5	555.0
11 New York City	3,336.9	3,348.7	3,364.4	1.5	1.4	1.4	78.9	78.2	79.9	488.3	471.2	475.3
12 Poughkeepsie	97.9	101.1	100.9	(1)	(1)	(1)	2.2	2.6	2.6	31.6	33.1	33.1
13 Rochester	413.2	416.8	416.9	(1)	(1)	(1)	9.6	9.8	9.9	155.5	156.7	157.2
14 Rockland County	79.7	81.0	81.2	(1)	(1)	(1)	2.3	2.4	2.5	15.1	15.5	15.4
15 Syracuse	256.4	253.9	253.0	(1)	(1)	(1)	7.9	7.8	7.8	59.1	57.3	57.1
16 Utica—Rome	111.3	111.9	112.1	(1)	(1)	(1)	2.1	1.9	1.9	28.6	29.0	28.8
17 Westchester County	352.4	352.3	354.7	(1)	(1)	(1)	13.4	14.4	14.9	74.5	73.5	73.4
<b>18 NORTH CAROLINA</b>	<b>2,384.7</b>	<b>2,344.3</b>	<b>2,342.9</b>	<b>4.9</b>	<b>4.7</b>	<b>4.8</b>	<b>113.2</b>	<b>103.2</b>	<b>104.9</b>	<b>816.8</b>	<b>787.8</b>	<b>779.7</b>
19 Asheville	70.4	69.5	69.4	(1)	(1)	(1)	2.9	2.8	2.9	21.7	21.0	20.8
20 Charlotte—Gastonia	339.9	334.5	333.8	(1)	(1)	(1)	17.9	17.8	17.7	94.5	92.3	91.9
21 Greensboro—Winston-Salem—High Pt	390.6	385.8	383.6	(1)	(1)	(1)	16.3	15.7	15.9	149.9	146.3	143.2
22 Raleigh—Durham	276.4	276.7	277.3	(1)	(1)	(1)	13.6	12.2	12.2	45.3	45.0	44.5
<b>23 NORTH DAKOTA</b>	<b>240.9</b>	<b>245.2</b>	<b>246.8</b>	<b>9.5</b>	<b>11.8</b>	<b>11.7</b>	<b>11.2</b>	<b>10.6</b>	<b>10.8</b>	<b>14.3</b>	<b>15.6</b>	<b>15.6</b>
24 Fargo—Moorhead	60.7	61.9	62.0	(2)	(2)	(2)	2.4	2.2	2.3	4.5	4.9	5.0
<b>25 OHIO</b>	<b>4,289.4</b>	<b>4,171.8</b>	<b>4,198.8</b>	<b>31.0</b>	<b>31.7</b>	<b>31.9</b>	<b>139.4</b>	<b>122.7</b>	<b>128.6</b>	<b>1,239.4</b>	<b>1,148.9</b>	<b>1,150.7</b>
26 Akron	256.4	252.4	253.2	(*)	(*)	(*)	6.2	5.7	6.2	76.5	72.1	71.7
27 Canton	154.6	152.0	152.7	(*)	(*)	(*)	4.5	4.1	4.4	54.3	52.1	51.8
28 Cincinnati	589.5	574.8	579.9	(*)	(*)	(*)	21.4	19.0	19.7	157.6	149.6	151.1
29 Cleveland	873.0	854.9	858.4	(*)	(*)	(*)	24.8	23.4	24.1	247.7	236.9	236.2
30 Columbus	504.1	498.6	502.4	(*)	(*)	(*)	16.3	14.2	15.1	94.2	89.9	89.5
31 Dayton	352.1	345.5	345.1	(*)	(*)	(*)	11.2	8.9	9.3	97.6	93.0	91.2
32 Toledo	288.3	281.6	283.6	(*)	(*)	(*)	10.3	9.1	9.8	74.6	68.8	68.4
33 Youngstown—Warren	196.5	185.4	188.5	(*)	(*)	(*)	5.6	5.1	5.1	68.8	56.8	57.2
<b>34 OKLAHOMA</b>	<b>1,178.4</b>	<b>1,201.7</b>	<b>1,214.5</b>	<b>90.2</b>	<b>103.7</b>	<b>105.5</b>	<b>53.0</b>	<b>49.3</b>	<b>53.5</b>	<b>196.8</b>	<b>193.7</b>	<b>192.5</b>
35 Enid	26.7	26.7	26.7	3.3	3.3	3.3	1.7	1.2	1.2	3.1	2.8	2.8
36 Lawton	29.3	29.8	30.0	(1)	(1)	(1)	1.4	1.3	1.4	3.0	3.0	3.0
37 Oklahoma City	414.2	426.4	431.1	25.3	29.1	29.4	19.5	19.2	21.3	56.0	52.5	51.8
38 Tulsa	317.0	325.9	328.7	25.5	28.3	28.5	15.5	15.0	15.5	66.6	68.8	69.0
<b>39 OREGON</b>	<b>1,019.8</b>	<b>970.1</b>	<b>970.6</b>	<b>2.0</b>	<b>1.8</b>	<b>1.8</b>	<b>37.2</b>	<b>30.3</b>	<b>29.8</b>	<b>200.6</b>	<b>188.2</b>	<b>186.9</b>
40 Eugene—Springfield	100.6	95.7	95.5	(1)	(1)	(1)	3.6	3.0	2.9	18.7	16.4	16.1
41 Jackson County	-	-	-	-	-	-	-	-	-	7.3	(*)	(*)
42 Portland	548.7	525.9	526.8	(1)	(1)	(1)	21.1	19.1	18.9	109.3	101.9	101.4
43 Salem	85.1	(*)	(*)	(1)	(1)	(1)	3.5	(*)	(*)	11.5	(*)	(*)
<b>44 PENNSYLVANIA</b>	<b>4,693.4</b>	<b>4,573.7</b>	<b>4,578.8</b>	<b>46.9</b>	<b>46.5</b>	<b>47.0</b>	<b>162.9</b>	<b>149.7</b>	<b>153.3</b>	<b>1,294.4</b>	<b>1,227.7</b>	<b>1,214.9</b>
45 Allentown—Bethlehem—Easton	261.5	254.0	255.0	(1)	(1)	(1)	7.5	6.6	6.7	133.8	98.7	98.8
46 Altoona	49.1	47.3	47.8	(1)	(1)	(1)	1.6	1.0	1.0	12.3	11.7	12.0
47 Delaware Valley	1,585.6	1,545.8	1,553.5	(1)	(1)	(1)	58.1	51.2	53.0	360.9	344.4	342.5
48 Erie	109.8	106.7	106.4	(1)	(1)	(1)	2.4	2.8	2.6	40.4	40.0	39.6
49 Harrisburg	222.0	223.0	223.5	(1)	(1)	(1)	7.1	6.2	6.6	41.3	40.6	40.7
50 Johnstown	82.5	78.5	78.8	7.9	8.0	7.9	2.4	1.9	1.9	17.6	15.4	15.3
51 Lancaster	151.7	149.5	150.0	(1)	(1)	(1)	6.1	5.4	5.5	58.8	57.2	56.3
52 Northeast Pennsylvania	237.3	231.9	232.6	1.1	1.1	1.0	9.3	9.2	9.2	69.2	66.5	66.2
53 Philadelphia SMSA	1,922.3	1,884.6	1,893.1	(1)	(1)	(1)	69.9	62.4	65.1	431.5	412.9	410.5
54 Philadelphia City	786.0	758.3	761.7	(1)	(1)	(1)	19.7	17.2	17.5	130.3	124.2	123.4
55 Pittsburgh	931.6	897.2	894.4	9.7	9.2	9.5	39.4	38.1	39.0	237.5	213.8	209.1
56 Reading	137.1	136.8	136.3	(1)	(1)	(1)	4.3	4.1	4.1	52.0	52.0	51.3
57 Williamsport	45.9	45.6	45.5	(1)	(1)	(1)	1.0	.8	.9	15.8	16.0	15.9
58 York	153.5	151.6	151.5	(1)	(1)	(1)	5.9	5.8	6.1	63.9	63.2	62.4
<b>59 RHODE ISLAND</b>	<b>394.3</b>	<b>387.2</b>	<b>386.9</b>	<b>(1)</b>	<b>(1)</b>	<b>(1)</b>	<b>9.9</b>	<b>9.6</b>	<b>9.8</b>	<b>126.8</b>	<b>118.8</b>	<b>118.3</b>
60 Providence—Warwick—Pawtucket	402.0	393.3	392.9	(1)	(1)	(1)	10.0	9.6	9.9	139.7	131.4	130.8
<b>61 SOUTH CAROLINA</b>	<b>1,193.6</b>	<b>1,176.3</b>	<b>1,179.7</b>	<b>(1)</b>	<b>(1)</b>	<b>(1)</b>	<b>71.0</b>	<b>65.0</b>	<b>65.2</b>	<b>387.5</b>	<b>371.7</b>	<b>370.4</b>
62 Charleston—North Charleston	150.6	150.9	152.2	(1)	(1)	(1)	10.5	9.6	9.2	20.4	19.7	19.5
63 Columbia	181.1	180.7	180.4	(1)	(1)	(1)	8.6	8.4	8.4	27.3	26.3	26.3
64 Greenville—Spartanburg	267.4	265.3	265.0	(1)	(1)	(1)	15.9	15.8	15.7	102.5	98.8	98.6

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. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	
427.3	423.5	423.0	1,429.7	1,431.5	1,438.1	644.4	659.9	661.8	1,758.8	1,799.5	1,803.5	1,318.6	1,307.1	1,317.0	1
15.3	15.2	15.2	67.0	67.4	67.6	15.8	15.8	15.8	73.0	74.2	74.4	101.3	100.3	101.4	2
4.6	4.6	4.6	29.7	20.8	20.8	4.1	4.2	4.2	17.9	19.8	19.6	23.2	22.4	23.1	3
26.2	24.8	24.7	107.8	105.8	105.8	22.3	22.3	22.3	104.9	106.4	107.0	87.7	83.9	84.3	4
1.3	1.3	1.3	8.4	8.6	8.6	1.1	1.2	1.2	7.1	7.1	7.1	6.5	6.2	6.2	5
10.2	10.2	10.2	58.4	59.5	59.8	13.9	14.3	14.2	70.5	71.6	71.0	41.1	40.4	40.1	6
40.1	41.5	42.1	231.7	230.6	232.1	52.4	52.7	52.9	208.9	209.5	212.9	178.8	171.8	173.4	7
469.7	(*)	(*)	1,381.8	(*)	(*)	633.7	(*)	(*)	1,603.1	(*)	(*)	1,091.3	(*)	(*)	8
318.4	315.3	315.5	939.2	935.1	939.9	539.7	552.7	555.6	1,247.1	1,274.4	1,281.5	772.1	763.0	768.6	9
278.4	273.7	273.4	707.5	704.5	707.8	487.3	500.0	502.8	1,038.4	1,065.1	1,068.8	593.4	591.1	595.2	10
255.4	250.4	250.1	605.3	601.7	604.5	465.0	478.6	480.1	928.7	955.0	957.4	513.9	512.1	516.0	11
2.8	2.9	2.9	16.1	16.2	16.3	2.8	2.9	2.9	18.6	19.3	19.0	23.8	24.1	24.2	12
12.7	12.5	12.6	75.1	76.7	77.0	15.5	15.8	15.7	82.2	83.5	83.0	62.7	61.8	61.5	13
3.3	3.4	3.4	17.3	17.4	17.5	2.6	2.7	2.7	18.2	18.2	18.1	20.9	21.5	21.6	14
14.3	14.1	14.1	54.7	55.0	54.8	15.2	16.3	16.4	54.6	54.7	53.9	49.6	48.7	48.8	15
3.9	3.9	3.9	21.7	21.8	21.8	5.4	5.5	5.5	20.9	21.0	21.1	28.7	28.9	29.2	16
19.1	19.3	19.3	82.1	82.4	82.8	19.3	19.3	19.4	88.7	89.0	90.4	55.3	54.3	54.3	17
115.6	115.7	115.9	466.9	461.7	462.7	97.1	98.2	98.4	346.8	353.4	356.0	423.4	419.6	421.5	18
3.6	3.5	3.6	15.1	15.2	15.1	2.3	2.5	2.4	12.8	12.3	12.3	12.0	12.2	12.3	19
31.4	31.2	31.2	82.7	79.8	79.4	21.3	21.5	21.5	53.7	54.1	54.5	38.4	37.8	37.6	20
21.0	21.1	21.2	76.7	76.0	76.0	18.6	18.7	18.8	59.5	60.9	61.2	48.6	47.1	47.3	21
13.2	13.7	13.8	52.4	52.3	52.0	15.7	15.9	16.0	61.5	60.8	61.1	77.7	76.8	77.7	22
16.9	16.8	16.8	64.7	64.5	65.4	11.6	11.8	11.8	51.2	52.8	53.3	61.5	61.3	61.4	23
3.9	3.8	3.7	18.3	18.4	18.6	3.8	3.9	3.9	14.3	14.8	14.9	13.5	13.9	13.6	24
214.5	212.1	212.6	924.1	909.1	917.0	203.3	204.2	204.6	838.4	858.2	867.0	699.4	684.8	686.4	25
13.8	13.5	13.6	55.7	55.7	56.2	9.1	9.1	9.1	50.1	51.5	51.8	44.5	44.2	44.1	26
7.0	7.0	7.0	32.2	32.1	32.4	6.3	6.3	6.3	29.5	29.8	30.1	19.5	19.2	19.3	27
33.0	32.6	32.7	137.0	134.7	135.5	32.4	31.8	32.0	121.4	121.8	123.5	86.5	84.9	85.3	28
43.5	43.5	43.6	196.7	191.8	193.1	47.6	47.5	47.7	189.5	192.1	194.3	121.9	118.3	118.0	29
23.9	23.6	23.7	116.9	117.5	118.9	38.7	40.4	40.5	106.7	108.5	109.9	106.5	103.6	103.9	30
13.0	13.0	13.0	71.4	70.7	71.1	13.3	13.6	13.7	74.2	75.7	76.3	71.1	70.4	70.1	31
18.7	18.6	18.7	64.6	63.7	64.4	10.6	10.5	10.5	61.4	64.2	64.8	47.7	46.2	46.5	32
8.9	8.9	8.8	42.9	42.3	42.7	6.9	7.2	7.2	38.1	38.6	38.8	24.7	25.9	25.9	33
68.9	67.7	67.2	269.2	277.7	280.9	57.5	58.8	59.5	199.2	205.8	208.3	243.6	245.0	247.1	34
2.7	2.7	2.7	7.0	7.1	7.1	1.1	1.2	1.2	4.6	4.6	4.6	3.7	3.8	3.8	35
1.3	1.4	1.4	7.4	7.3	7.4	1.2	1.2	1.2	4.4	4.7	4.7	10.6	10.9	10.9	36
23.9	24.4	24.5	100.5	105.3	106.0	25.6	26.8	26.8	71.5	75.1	76.3	91.9	94.0	95.0	37
23.6	23.6	23.6	71.8	73.5	74.1	15.4	15.7	16.0	62.8	65.3	65.9	35.8	35.7	36.1	38
58.9	57.0	57.2	250.1	239.3	240.1	69.0	64.6	64.7	193.6	185.8	186.4	208.4	203.1	203.7	39
5.0	4.7	4.7	25.3	24.0	23.9	5.5	5.3	5.3	19.4	19.1	19.3	23.1	23.2	23.3	40
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41
36.0	35.9	36.0	140.9	136.2	136.9	45.5	44.3	44.2	112.5	108.3	108.8	83.4	80.2	80.6	42
2.7	(*)	(*)	18.8	(*)	(*)	5.7	(*)	(*)	15.3	(*)	(*)	27.6	(*)	(*)	43
259.5	246.8	244.8	969.0	958.5	961.5	238.4	239.3	240.8	989.4	1,004.1	1,013.7	732.9	701.1	702.8	44
13.7	13.8	13.7	51.6	50.4	50.6	9.5	9.5	9.6	45.3	45.6	46.2	30.1	29.4	29.4	45
6.8	5.3	5.5	10.5	10.3	10.3	1.5	1.5	1.5	8.5	8.6	8.6	7.9	7.8	8.0	46
81.9	78.2	78.2	329.2	321.1	322.5	110.6	112.5	113.3	404.9	411.2	416.5	240.0	227.2	227.5	47
5.0	4.7	4.7	21.1	20.6	20.7	4.9	4.8	4.8	21.9	22.7	22.7	14.1	11.0	11.3	48
17.1	16.2	16.1	44.8	44.7	44.6	12.8	12.9	12.9	39.3	41.1	41.4	59.6	61.3	61.2	49
5.1	4.8	4.8	15.2	14.7	14.9	3.9	3.9	3.9	15.5	15.4	15.5	14.9	14.7	14.9	50
6.2	5.9	5.8	32.6	32.2	32.8	5.6	6.1	6.1	26.4	27.4	28.1	16.0	15.3	15.4	51
12.9	12.5	12.5	49.3	47.5	47.7	9.7	10.0	10.0	46.0	47.1	47.7	39.8	38.0	38.3	52
96.7	93.3	93.4	414.3	408.8	409.8	127.7	129.4	130.2	474.2	483.8	489.6	308.0	294.0	294.5	53
51.8	49.2	49.2	144.0	139.7	140.8	66.7	65.9	66.0	224.5	223.5	226.0	149.0	138.6	138.8	54
55.5	52.2	51.9	204.9	204.1	204.7	46.2	45.7	46.2	216.1	218.4	218.4	120.3	115.7	115.6	55
6.3	6.5	6.5	27.4	27.2	27.1	6.3	6.4	6.4	23.4	23.7	23.9	17.4	16.9	17.0	56
2.2	2.3	2.3	9.7	9.5	9.4	2.2	2.2	2.2	8.1	8.3	8.3	6.9	6.5	6.5	57
7.3	7.3	7.3	32.6	32.1	32.3	4.0	3.9	3.9	21.6	21.9	21.8	18.2	17.6	17.7	58
12.8	13.0	13.0	78.3	77.9	77.3	20.8	21.0	21.1	86.6	89.1	89.6	59.1	57.8	57.8	59
12.8	12.9	12.8	78.9	77.9	77.2	20.7	20.9	21.0	83.3	85.4	85.9	56.6	55.2	55.3	60
53.1	53.9	54.0	224.9	228.4	230.8	48.1	50.0	50.1	165.2	167.6	169.7	243.8	239.7	239.5	61
8.5	9.1	8.8	32.1	32.3	32.6	6.3	6.6	6.7	25.2	26.2	27.8	47.6	47.4	47.6	62
9.4	9.5	9.5	37.8	37.1	36.8	14.2	14.5	14.6	28.2	28.3	28.2	55.6	56.6	56.7	63
10.0	9.5	9.3	53.1	55.2	55.1	9.9	10.3	10.3	38.3	39.3	39.5	37.7	36.4	36.5	64

# 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			Contracts Construction			Manufacturing		
	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P
1 SOUTH DAKOTA .....	232.5	228.3	229.2	2.8	2.8	2.8	8.0	6.5	6.8	25.2	25.9	25.8
2 Sioux Falls .....	53.9	54.3	54.6	(2)	(2)	(2)	2.2	1.8	1.9	7.4	7.4	7.5
3 TENNESSEE .....	1,743.5	1,708.7	1,718.8	9.8	10.2	10.5	72.6	79.1	81.5	503.4	486.3	489.0
4 Chattanooga .....	169.7	166.8	167.5	1.1	1.1	1.1	5.8	5.6	5.8	49.1	47.7	47.6
5 Knoxville .....	203.2	202.6	204.0	1.6	1.5	1.5	9.3	9.7	10.3	51.7	49.2	49.0
6 Memphis .....	359.3	351.5	350.6	.2	.2	.2	14.3	13.4	13.6	59.6	56.9	55.8
7 Nashville—Davidson .....	362.9	351.1	352.6	(1)	(1)	(1)	16.4	14.9	15.1	82.5	79.1	80.1
8 TEXAS .....	6,055.8	6,283.6	6,290.6	274.0	307.0	308.2	425.1	439.7	443.4	1,097.0	1,105.3	1,396.8
9 Dallas—Fort Worth .....	1,495.6	1,532.8	1,542.0	28.8	31.7	31.9	82.2	77.6	79.1	329.9	327.1	325.3
10 Houston .....	1,534.3	1,582.4	1,590.4	98.4	105.4	107.0	150.4	144.4	145.9	258.6	267.0	266.7
11 San Antonio .....	408.0	412.7	412.8	3.0	3.6	3.6	26.7	26.2	26.0	51.4	51.8	51.6
12 UTAH .....	549.8	556.7	559.6	20.0	21.3	21.1	25.6	23.1	23.9	87.3	89.1	88.3
13 Salt Lake City—Ogden .....	387.5	391.4	393.6	7.8	7.5	7.9	17.4	15.3	15.8	59.8	61.1	61.1
14 VERMONT .....	200.3	200.7	200.3	.6	.5	.5	8.2	7.8	7.8	50.4	49.9	49.5
15 Burlington .....	59.4	59.4	59.6	-	-	-	-	-	-	15.1	15.8	15.8
16 Springfield .....	14.5	14.2	14.0	-	-	-	-	-	-	6.2	5.6	5.5
17 VIRGINIA .....	2,140.0	2,139.1	2,145.2	22.7	23.3	23.9	113.0	99.6	102.0	413.0	402.4	399.6
18 Bristol .....	26.2	26.3	26.6	(1)	(1)	(1)	.8	.7	.7	8.8	8.9	8.9
19 Lynchburg .....	70.5	69.8	69.4	(1)	(1)	(1)	2.6	2.3	2.3	28.6	28.2	27.7
20 Newport News—Hampton .....	147.9	147.7	148.5	(1)	(1)	(1)	6.6	6.2	6.2	35.2	34.0	34.0
21 Norfolk—Virginia Beach—Portsmouth .....	284.7	286.9	286.9	(1)	(1)	(1)	16.0	15.9	16.0	29.4	29.4	28.6
22 Northern Virginia .....	459.2	464.0	466.5	.4	.4	.4	27.8	23.7	24.6	19.7	20.8	21.0
23 Petersburg—Colonial Hgts.—Hopewell .....	44.8	44.8	44.9	(1)	(1)	(1)	1.9	1.7	1.7	10.8	10.0	10.2
24 Richmond .....	326.7	326.5	326.8	.3	.2	.3	17.3	16.7	17.0	56.4	55.5	55.0
25 Roanoke .....	103.0	100.7	101.0	.2	.2	.2	4.7	3.9	4.0	21.3	20.5	20.4
26 WASHINGTON .....	1,602.0	1,538.1	1,548.0	2.6	3.0	3.1	86.1	72.4	74.2	300.3	289.9	289.8
27 Seattle—Everett .....	779.4	755.1	755.7	(1)	(1)	(1)	36.7	32.4	32.5	170.6	164.6	163.9
28 Spokane .....	125.5	120.3	121.0	(1)	(1)	(1)	5.4	4.3	4.5	16.3	14.9	15.0
29 Tacoma .....	141.8	(*)	(*)	(1)	(1)	(1)	6.5	(*)	(*)	22.2	(*)	(*)
30 WEST VIRGINIA .....	630.0	607.7	610.1	65.9	65.9	65.7	26.6	18.9	20.5	111.1	103.3	102.8
31 Charleston .....	109.9	108.8	105.1	6.6	6.7	6.8	5.2	3.7	4.0	16.7	16.3	16.4
32 Huntington—Ashland .....	101.3	100.5	100.7	1.2	1.2	1.2	5.1	3.1	3.4	23.7	24.0	23.9
33 Parkersburg—Marietta .....	57.9	56.8	56.9	1.1	1.4	1.4	2.8	2.2	2.4	16.6	16.1	15.9
34 Wheeling .....	63.3	62.4	62.8	5.2	4.5	4.9	2.1	1.7	1.8	11.5	11.1	11.0
35 WISCONSIN .....	1,884.0	1,859.1	1,857.3	1.8	1.4	1.5	55.0	48.0	47.5	528.1	511.8	536.8
36 Appleton—Oshkosh .....	123.1	121.2	121.5	(1)	(1)	(1)	4.7	3.8	4.0	45.3	44.7	44.4
37 Eau Claire .....	47.8	48.1	47.9	(1)	(1)	(1)	1.4	1.3	1.3	9.1	8.6	8.7
38 Green Bay .....	77.0	76.3	76.3	(1)	(1)	(1)	2.7	2.3	2.3	21.2	20.7	20.7
39 Janesville—Beloit .....	46.3	46.5	47.0	(1)	(1)	(1)	1.4	1.1	1.0	14.8	15.5	15.6
40 Kenosha .....	38.3	39.8	39.5	(1)	(1)	(1)	1.6	1.3	1.4	12.6	14.8	14.7
41 La Crosse .....	44.4	45.2	45.2	(1)	(1)	(1)	1.3	1.1	1.0	10.2	10.0	10.0
42 Madison .....	168.5	168.5	168.3	(1)	(1)	(1)	5.3	5.2	5.1	19.8	19.6	19.1
43 Milwaukee .....	657.7	642.7	641.5	(1)	(1)	(1)	16.9	14.7	14.9	197.4	185.8	182.5
44 Racine .....	67.3	63.4	63.3	(1)	(1)	(1)	1.5	1.1	1.2	28.3	25.6	25.1
45 WYOMING .....	211.2	208.7	211.4	36.3	39.7	39.8	18.2	14.7	15.5	9.3	10.2	10.1
46 Casper .....	39.6	39.9	39.9	7.6	7.5	7.5	3.1	3.0	3.1	1.9	2.0	1.9
47 Cheyenne .....	30.7	29.6	29.4	(1)	(1)	(1)	1.9	1.3	1.4	1.5	1.3	1.3
48 PUERTO RICO .....	(*)	(*)	(*)	.9	.7	.7	36.3	25.3	25.7	(*)	(*)	(*)
49 Caguas .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
50 Mayaguez .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
51 Ponce .....	(*)	(*)	(*)	(*)	(*)	(*)	2.9	1.6	1.5	(*)	(*)	(*)
52 San Juan .....	(*)	(*)	(*)	(*)	(*)	(*)	25.1	19.0	19.5	(*)	(*)	(*)
53 VIRGIN ISLANDS .....	38.1	36.6	36.6	(2)	(2)	(2)	3.5	3.2	3.3	3.2	2.8	2.8

<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> Subarea Baltimore Standard Metropolitan Statistical Area.

<sup>5</sup> Revised to 1981 benchmark; not strictly comparable with previously published data.

<sup>6</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

<sup>7</sup> Subarea of New York—Northeastern New Jersey.

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

<sup>12</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.

<sup>13</sup> Total includes data for industry divisions not shown separately.

<sup>14</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. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	
12.8	13.0	13.0	63.1	62.2	62.8	11.1	11.2	11.2	50.4	49.0	48.7	59.1	57.7	58.1	1
4.6	4.5	4.5	15.9	15.7	15.8	5.4	3.5	3.4	13.6	14.4	14.5	6.8	7.0	7.0	2
85.6	83.0	83.0	371.9	362.7	364.4	78.6	75.6	76.0	297.7	308.3	308.7	323.9	303.5	305.7	3
7.6	7.6	7.6	33.9	34.1	34.1	9.8	9.6	9.6	29.3	29.2	29.2	23.1	31.9	32.5	4
8.2	8.0	8.0	42.5	43.8	43.7	8.7	8.7	8.8	33.3	33.8	34.3	47.9	47.9	48.4	5
27.5	26.6	26.6	95.7	95.9	95.6	20.1	19.9	19.9	74.0	75.0	75.0	66.9	63.6	63.9	6
19.8	20.2	20.3	81.7	75.6	75.7	24.8	23.7	23.7	74.7	76.9	76.7	63.0	60.7	61.0	7
375.5	392.5	392.9	1,464.3	1,556.9	1,560.7	343.1	353.4	354.6	1,066.6	1,114.0	1,118.4	1,010.2	1,014.8	1,015.6	8
95.9	99.7	100.2	390.0	404.3	407.9	112.5	117.7	118.5	270.5	289.1	293.2	185.8	185.6	185.9	9
106.8	109.4	109.3	364.6	379.8	380.8	90.9	95.1	95.8	295.9	308.5	311.7	168.7	172.8	173.2	10
18.2	19.4	19.5	102.5	102.0	102.2	27.4	27.6	27.8	84.3	85.8	85.9	94.5	96.3	96.2	11
33.8	35.0	35.4	126.7	127.7	128.1	26.2	26.6	26.7	103.2	106.4	107.3	127.1	127.5	128.7	12
26.5	27.2	27.5	94.8	95.3	95.6	21.1	21.6	21.7	69.9	71.9	72.3	90.1	91.1	91.7	13
8.4	8.5	8.4	40.5	41.6	41.9	8.1	8.2	8.3	46.2	46.5	45.9	37.9	37.7	38.0	14
2.3	2.3	2.3	12.1	12.3	12.4	-	-	-	12.2	12.3	12.4	-	-	-	15
.6	.6	.6	2.2	2.2	2.2	-	-	-	2.7	2.9	2.8	-	-	-	16
115.0	117.0	117.0	448.7	465.1	465.7	105.1	105.3	105.5	406.8	415.4	419.0	515.8	511.0	512.5	17
1.0	1.1	1.1	6.2	6.6	6.7	.9	.9	.9	3.3	3.4	3.4	5.2	4.8	5.0	18
2.7	2.7	2.6	12.1	12.2	12.2	3.3	3.2	3.2	11.0	11.1	11.2	10.2	10.2	10.1	19
4.9	5.1	5.1	27.9	28.3	28.3	4.7	4.7	4.7	28.0	29.1	29.7	40.7	40.3	40.5	20
19.1	20.0	20.0	68.0	69.0	69.0	14.8	14.8	14.9	57.0	58.3	58.9	80.4	79.5	79.6	21
32.1	31.5	31.5	108.6	113.0	113.2	28.5	28.6	28.9	123.1	126.2	126.3	119.0	119.9	120.6	22
1.3	1.3	1.2	8.6	8.9	8.0	1.2	1.2	1.2	6.5	7.0	7.0	14.4	14.7	14.7	23
19.4	19.8	19.8	75.4	76.4	76.1	26.5	26.0	25.9	58.7	60.0	61.1	72.7	71.8	71.8	24
9.8	9.8	9.8	24.6	24.8	24.9	6.1	6.0	6.0	20.5	20.3	20.6	15.7	15.3	15.2	25
88.1	85.6	85.6	375.6	369.2	371.0	90.9	90.2	90.5	317.0	309.6	313.0	239.4	318.2	320.8	26
51.5	50.2	50.1	184.9	182.5	182.6	57.1	57.6	57.6	155.8	152.1	152.7	122.8	115.7	116.3	27
8.1	7.7	7.8	34.3	33.3	33.4	7.8	7.8	7.8	30.2	30.3	30.5	23.4	22.0	22.0	28
6.3	(*)	(*)	32.7	(*)	(*)	6.9	(*)	(*)	32.7	(*)	(*)	34.5	(*)	(*)	29
41.9	41.2	41.3	128.3	128.6	128.4	21.8	21.8	21.9	99.5	100.5	101.2	134.9	127.4	128.3	30
9.6	9.4	9.4	25.5	26.3	26.1	5.1	5.1	5.1	19.9	21.0	21.1	21.3	20.2	20.2	31
9.4	9.7	9.7	23.8	24.2	24.1	3.8	3.6	3.6	15.4	15.7	15.8	18.5	18.9	19.0	32
2.4	2.4	2.4	12.5	12.8	12.8	2.0	2.0	2.0	10.4	10.2	10.3	10.0	9.8	9.8	33
3.5	3.6	3.6	14.6	14.9	14.9	2.8	2.8	2.8	13.9	14.1	14.3	9.6	9.3	9.5	34
90.2	86.5	87.0	418.3	414.7	416.9	94.2	95.5	95.6	368.6	377.4	378.5	327.8	323.7	323.5	35
4.4	4.4	4.5	25.3	24.7	24.8	5.5	5.7	5.7	20.7	21.3	21.5	17.2	16.7	16.7	36
2.7	2.6	2.6	12.5	12.7	12.7	1.6	1.7	1.7	9.7	9.9	9.9	10.9	11.2	11.0	37
5.8	6.0	6.0	19.2	19.0	19.2	2.5	2.5	2.5	15.1	15.5	15.6	10.3	10.3	10.1	38
2.0	2.2	2.3	10.8	10.5	10.7	1.4	1.4	1.4	8.8	9.0	9.1	7.1	6.8	6.9	39
1.3	1.2	1.2	8.9	7.8	7.8	1.0	1.0	1.0	7.8	7.8	7.6	6.0	5.9	5.9	40
2.3	2.1	2.1	11.7	11.7	11.7	1.1	1.1	1.1	10.6	11.4	11.5	7.2	7.9	7.8	41
6.3	6.3	6.3	34.9	35.8	35.8	13.2	13.5	13.5	32.3	33.4	33.7	56.8	54.7	54.8	42
34.1	33.0	33.0	138.9	136.7	137.4	39.9	40.8	40.8	144.1	147.0	148.0	86.4	84.7	84.8	43
2.3	2.4	2.4	12.9	12.5	12.7	2.2	2.2	2.2	11.4	11.2	11.3	8.6	8.4	8.5	44
17.6	17.5	17.6	46.6	47.1	47.3	7.5	7.4	7.4	30.0	29.8	30.5	45.7	42.3	43.2	45
2.8	2.8	2.8	10.9	10.6	10.6	1.8	1.8	1.8	5.8	5.8	5.8	5.7	6.4	6.4	46
4.6	4.2	4.0	7.2	7.1	7.1	1.6	1.5	1.6	4.9	5.3	5.1	9.0	8.9	8.9	47
18.3	17.7	16.6	112.8	106.0	104.6	27.9	28.1	28.4	85.2	83.8	83.5	260.0	234.1	233.8	48
(*)	(*)	(*)	5.5	4.6	4.6	(*)	(*)	(*)	(*)	(*)	(*)	10.9	9.9	9.9	49
(*)	(*)	(*)	5.7	5.4	5.4	(*)	(*)	(*)	(*)	(*)	(*)	13.5	13.6	13.6	50
(*)	(*)	(*)	7.7	6.9	6.6	(*)	(*)	(*)	7.2	6.6	6.7	18.5	17.1	17.1	51
13.9	14.4	13.3	71.1	67.3	66.5	20.9	21.2	21.1	59.0	59.7	59.4	126.2	123.2	122.1	52
2.1	2.1	2.1	7.9	7.7	7.7	1.4	1.7	1.6	6.2	5.9	5.9	13.6	13.2	13.2	53



# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
-	<b>TOTAL PRIVATE</b> .....	\$249.92	\$250.98	\$261.99	\$261.64	\$261.58	\$7.10	\$7.13	\$7.55	\$7.54	\$7.56
-	<b>MINING</b> .....	416.66	422.92	463.28	464.97	460.31	9.85	9.70	10.65	10.64	10.68
10	<b>METAL MINING</b> .....	458.56	461.04	480.64	489.54	-	11.13	11.30	12.23	12.30	-
101	Iron ores .....	478.18	485.20	511.83	532.36	-	11.72	12.01	12.86	12.89	-
102	Copper ores .....	481.62	486.13	485.01	493.25	-	11.44	11.63	12.31	12.27	-
11, 12	<b>COAL MINING</b> .....	417.24	440.44	514.59	507.17	-	11.40	11.44	12.37	12.31	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	418.70	443.50	515.02	508.41	-	11.44	11.56	12.41	12.34	-
13	<b>OIL AND GAS EXTRACTION</b> .....	422.59	427.95	454.36	458.64	-	9.37	9.51	10.03	10.08	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	441.25	447.91	483.69	475.26	-	10.71	10.69	11.74	11.62	-
138	Oil and gas field services .....	416.67	422.28	444.56	453.08	-	8.98	9.16	9.54	9.64	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	342.40	349.06	363.80	364.95	-	8.00	8.08	8.83	8.71	-
142	Crushed and broken stone .....	328.75	335.39	343.60	353.96	-	7.61	7.71	8.36	8.27	-
-	<b>CONSTRUCTION</b> .....	388.37	384.87	402.70	416.97	406.16	10.44	10.43	11.28	11.30	11.22
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	344.49	340.78	359.66	356.05	-	9.49	9.44	10.16	10.14	-
152	Residential building construction .....	316.48	315.95	327.22	330.99	-	8.94	8.90	9.43	9.43	-
153	Operative builders .....	298.19	303.47	291.04	297.79	-	8.26	8.36	8.56	8.46	-
154	Nonresidential building construction .....	373.60	368.20	394.94	404.36	-	10.07	10.06	10.91	10.87	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	397.07	394.80	428.85	447.58	-	9.78	9.87	11.11	10.97	-
161	Highway and street construction .....	349.57	362.48	335.79	358.90	-	8.61	8.95	9.10	8.95	-
162	Heavy construction, except highway .....	412.50	406.36	452.40	472.32	-	10.16	10.21	11.60	11.52	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	407.32	403.60	414.12	428.04	-	11.19	11.18	11.90	11.99	-
171	Plumbing, heating, air conditioning .....	422.62	421.88	437.10	445.94	-	11.24	11.25	11.91	12.02	-
172	Painting, paper hanging, decorating .....	361.90	361.23	366.24	376.54	-	10.34	10.41	10.90	10.82	-
173	Electrical work .....	476.90	475.52	491.95	506.69	-	12.55	12.58	13.26	13.44	-
174	Masonry, stonework, and plastering .....	375.11	371.52	364.50	385.19	-	10.81	10.80	11.25	11.43	-
175	Carpentering and flooring .....	348.80	349.83	345.78	354.52	-	10.11	10.14	10.51	10.52	-
176	Roofing and sheet metal work .....	320.35	313.96	291.15	310.28	-	9.62	9.72	10.18	10.14	-
-	<b>MANUFACTURING</b> .....	311.22	312.84	326.93	326.49	325.08	7.80	7.88	8.34	8.35	8.40
24, 25, 32-39	<b>DURABLE GOODS</b> .....	336.96	338.52	352.54	352.04	348.38	8.32	8.40	8.88	8.89	8.91
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	274.09	275.41	291.43	290.69	291.08	7.01	7.08	7.55	7.57	7.66
-	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	264.81	267.05	273.73	272.35	269.25	5.79	6.83	7.28	7.24	7.18
241	Logging camps and logging contractors .....	332.61	332.14	363.46	364.01	-	8.73	8.81	9.59	9.63	-
242	Sawmills and planing mills .....	276.11	279.40	284.63	282.37	-	6.99	7.02	7.59	7.55	-
2421	Sawmills and planing mills, general .....	290.72	293.72	300.00	296.91	-	7.36	7.38	8.00	7.96	-
2426	Hardwood dimension and flooring .....	196.52	197.01	200.26	199.64	-	4.95	4.95	5.27	5.24	-
243	Millwork, plywood, and structural members .....	262.64	264.03	262.63	262.88	-	6.70	6.77	7.06	7.01	-
2431	Millwork .....	261.03	262.96	276.29	272.88	-	6.78	6.83	7.29	7.20	-
2434	Wood kitchen cabinets .....	232.56	226.57	231.68	238.18	-	6.12	6.14	6.33	6.42	-
2435	Hardwood veneer and plywood .....	219.01	219.50	213.76	213.54	-	5.29	5.38	5.64	5.59	-
2436	Softwood veneer and plywood .....	327.64	334.14	310.62	310.53	-	8.13	8.23	8.51	8.37	-
244	Wood containers .....	207.04	209.83	212.39	219.52	-	5.42	5.45	5.56	5.60	-
245	Wood buildings and mobile homes .....	222.53	238.18	236.94	237.85	-	6.34	6.42	6.60	6.70	-
2451	Mobile homes .....	219.38	240.26	241.80	244.06	-	6.25	6.39	6.50	6.65	-
249	Miscellaneous wood products .....	236.40	234.95	244.33	243.89	-	5.78	5.83	6.17	6.19	-
25	<b>FURNITURE AND FIXTURES</b> .....	223.49	220.80	231.13	233.12	230.02	5.76	5.78	6.18	6.20	6.20
251	Household furniture .....	208.59	205.58	207.69	210.50	-	5.39	5.41	5.69	5.72	-
2511	Wood household furniture .....	194.61	192.61	193.41	194.67	-	4.99	4.99	5.27	5.29	-
2512	Upholstered household furniture .....	221.16	216.23	217.16	222.02	-	5.82	5.86	6.10	6.15	-
2514	Metal household furniture .....	216.22	215.28	232.23	236.01	-	5.46	5.45	5.97	5.99	-
2515	Mattresses and bedspreads .....	224.03	225.67	220.78	225.18	-	5.99	6.05	6.29	6.29	-
252	Office furniture .....	248.52	246.13	270.40	270.92	-	6.26	6.36	6.76	6.79	-
253	Public building and related furniture .....	255.36	247.26	277.14	280.74	-	6.40	6.34	7.07	7.18	-
254	Partitions and fixtures .....	264.80	265.30	286.08	286.46	-	6.95	7.00	7.45	7.46	-
259	Miscellaneous furniture and fixtures .....	250.78	253.04	270.59	265.65	-	6.48	6.39	7.01	6.90	-

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. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
-	<b>TOTAL PRIVATE</b> .....	35.2	35.2	34.7	34.7	34.6	-	-	-	-	-
-	<b>MINING</b> .....	42.3	43.6	43.5	43.7	43.1	-	-	-	-	-
10	<b>METAL MINING</b> .....	41.2	40.8	39.3	39.8	-	-	-	-	-	-
101	Iron ores .....	40.8	40.4	39.8	41.3	-	-	-	-	-	-
102	Copper ores .....	42.1	41.8	39.4	40.2	-	-	-	-	-	-
11, 12	<b>COAL MINING</b> .....	36.6	38.5	41.6	41.2	-	-	-	-	-	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	36.6	38.4	41.5	41.2	-	-	-	-	-	-
13	<b>OIL AND GAS EXTRACTION</b> .....	45.1	45.0	45.3	45.5	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	41.2	41.9	41.2	40.9	-	-	-	-	-	-
138	Oil and gas field services .....	46.4	46.1	46.6	47.0	-	-	-	-	-	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	42.8	43.2	41.2	41.9	-	-	-	-	-	-
142	Crushed and broken stone .....	43.2	43.5	41.1	42.8	-	-	-	-	-	-
-	<b>CONSTRUCTION</b> .....	37.2	36.9	35.7	36.9	36.2	-	-	-	-	-
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	36.3	36.1	35.4	36.1	-	-	-	-	-	-
152	Residential building construction .....	35.4	35.5	34.7	35.1	-	-	-	-	-	-
153	Operative builders .....	36.1	36.3	34.0	35.2	-	-	-	-	-	-
154	Nonresidential building construction .....	37.1	36.6	36.2	37.2	-	-	-	-	-	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	40.6	40.0	38.6	40.8	-	-	-	-	-	-
161	Highway and street construction .....	40.6	40.5	36.9	40.1	-	-	-	-	-	-
162	Heavy construction, except highway .....	40.6	39.8	39.0	41.0	-	-	-	-	-	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	36.4	36.1	34.8	35.7	-	-	-	-	-	-
171	Plumbing, heating, air conditioning .....	37.6	37.5	36.7	37.1	-	-	-	-	-	-
172	Painting, paper hanging, decorating .....	35.3	34.7	33.6	34.8	-	-	-	-	-	-
173	Electrical work .....	38.0	37.8	37.1	37.7	-	-	-	-	-	-
174	Masonry, stonework, and plastering .....	34.7	34.4	32.4	33.7	-	-	-	-	-	-
175	Carpentering and flooring .....	34.5	34.5	32.9	33.7	-	-	-	-	-	-
176	Roofing and sheet metal work .....	33.3	32.3	28.6	30.6	-	-	-	-	-	-
-	<b>MANUFACTURING</b> .....	39.9	39.7	39.2	39.1	38.7	2.8	2.6	2.3	2.3	2.1
24, 25, 32-39	<b>DURABLE GOODS</b> .....	40.5	40.3	39.7	39.6	39.1	2.9	2.7	2.2	2.2	2.0
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	39.1	38.9	38.6	38.4	38.0	2.7	2.6	2.5	2.4	2.3
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	39.0	39.1	37.6	37.7	37.5	2.7	2.7	2.1	2.0	-
241	Logging camps and logging contractors .....	38.1	37.7	37.9	37.8	-	3.3	3.8	2.7	1.9	-
242	Sawmills and planing mills .....	39.5	39.8	37.5	37.4	-	3.1	3.2	2.6	2.4	-
2421	Sawmills and planing mills, general .....	39.5	39.8	37.5	37.3	-	3.3	3.4	2.7	2.6	-
2426	Hardwood dimension and flooring .....	39.7	39.8	38.0	38.1	-	2.5	2.4	1.8	1.6	-
243	Millwork, plywood, and structural members .....	39.2	39.0	37.2	37.5	-	2.4	2.3	1.5	1.7	-
2431	Millwork .....	38.5	38.5	37.9	37.9	-	1.6	1.6	1.0	1.1	-
2434	Wood kitchen cabinets .....	38.0	36.9	36.6	37.1	-	1.5	1.1	1.1	1.4	-
2435	Hardwood veneer and plywood .....	41.4	40.8	37.9	38.2	-	3.8	3.6	2.1	2.1	-
2436	Softwood veneer and plywood .....	40.3	40.6	36.5	37.1	-	3.4	3.7	2.1	2.4	-
244	Wood containers .....	38.2	38.5	38.2	39.2	-	2.0	2.2	1.8	2.0	-
245	Wood buildings and mobile homes .....	35.1	37.1	35.9	35.5	-	1.3	1.6	1.2	1.1	-
2451	Mobile homes .....	35.1	37.6	37.2	36.7	-	.9	1.2	1.3	1.2	-
249	Miscellaneous wood products .....	40.9	40.3	39.6	39.4	-	3.1	2.7	2.3	2.3	-
25	<b>FURNITURE AND FIXTURES</b> .....	38.8	38.2	37.4	37.6	37.1	1.9	1.7	1.4	1.4	-
251	Household furniture .....	38.7	38.0	36.5	36.8	-	2.0	1.6	1.0	1.1	-
2511	Wood household furniture .....	39.0	38.6	36.7	36.8	-	2.0	1.7	1.2	1.3	-
2512	Upholstered household furniture .....	38.0	36.9	35.6	36.1	-	1.5	1.1	.6	.7	-
2514	Metal household furniture .....	39.6	39.5	38.9	39.4	-	3.2	2.9	2.0	2.4	-
2515	Mattresses and bedsprings .....	37.4	37.3	35.1	35.8	-	1.7	1.4	1.0	1.0	-
252	Office furniture .....	39.7	38.7	40.0	39.9	-	2.3	2.1	2.1	2.1	-
253	Public building and related furniture .....	39.9	39.0	39.2	39.1	-	2.3	1.9	2.3	2.4	-
254	Partitions and fixtures .....	38.1	37.9	38.4	38.4	-	1.6	1.5	2.0	1.8	-
259	Miscellaneous furniture and fixtures .....	38.7	39.6	38.6	38.5	-	1.3	1.6	1.5	1.2	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	\$322.36	\$331.70	\$339.08	\$343.41	\$346.26	\$7.94	\$8.11	\$8.65	\$8.65	\$8.70
321	Flat glass	426.13	427.64	472.92	482.64	-	10.47	10.59	11.26	11.41	-
322	Glass and glassware, pressed or blown	337.39	356.94	364.17	364.29	-	8.31	8.77	9.15	9.13	-
3221	Glass containers	355.18	385.33	384.62	333.93	-	8.60	9.33	9.45	9.41	-
3229	Pressed and blown glass, nec	312.84	318.40	335.72	336.59	-	7.90	7.98	8.72	8.72	-
323	Products of purchased glass	287.12	289.87	300.69	307.31	-	7.16	7.32	7.71	7.78	-
324	Cement, hydraulic	461.48	476.27	500.94	496.39	-	11.12	11.18	12.10	11.99	-
325	Structural clay products	262.66	267.55	281.19	284.20	-	6.55	6.59	7.21	7.25	-
326	Pottery and related products	269.96	270.38	281.25	283.24	-	6.80	6.88	7.23	7.30	-
327	Concrete, gypsum, and plaster products	318.71	331.97	319.12	333.38	-	7.85	7.98	8.42	8.44	-
3271	Concrete block and brick	303.12	312.61	288.40	300.20	-	7.20	7.27	7.53	7.60	-
3272	Concrete products, nec	288.40	291.33	302.54	312.98	-	7.00	7.02	7.64	7.69	-
3273	Ready mixed concrete	337.65	357.14	336.02	350.43	-	8.68	8.84	9.36	9.32	-
329	Misc. nonmetallic mineral products	325.40	326.72	345.20	340.16	-	7.86	7.93	8.63	8.59	-
3291	Abrasive products	310.50	314.36	328.60	322.76	-	7.50	7.63	8.34	8.34	-
3292	Asbestos products	327.95	327.98	333.32	328.02	-	7.96	7.98	8.46	8.52	-
33	<b>PRIMARY METAL INDUSTRIES</b>	432.37	443.31	443.52	434.12	433.92	10.52	10.76	11.20	11.16	11.30
331	Blast furnace and basic steel products	501.43	528.78	520.33	501.02	-	12.23	12.56	13.24	13.15	-
3312	Blast furnaces and steel mills	519.43	549.83	539.78	519.84	-	12.70	13.06	13.77	13.68	-
3317	Steel pipe and tubes	406.89	414.41	408.99	399.57	-	9.90	10.01	10.46	10.46	-
332	Iron and steel foundries	357.54	346.99	359.52	355.68	-	8.85	8.92	9.29	9.36	-
3321	Gray iron foundries	364.41	351.51	358.32	358.53	-	9.02	9.13	9.38	9.46	-
3322	Malleable iron foundries	377.94	372.17	385.57	383.90	-	9.52	9.47	10.12	10.32	-
3325	Steel foundries, nec	345.22	335.12	358.09	348.81	-	8.42	8.42	9.02	9.06	-
333	Primary nonferrous metals	479.55	483.81	507.38	511.87	-	11.50	11.63	12.59	12.67	-
3334	Primary aluminum	518.25	511.70	536.00	551.49	-	12.31	12.36	13.40	13.55	-
335	Nonferrous rolling and drawing	397.95	403.54	403.27	402.17	-	9.43	9.54	9.86	9.93	-
3351	Copper rolling and drawing	348.99	357.81	345.66	341.28	-	8.27	8.36	8.62	8.64	-
3353	Aluminum sheet, plate, and foil	509.12	523.15	546.11	535.39	-	11.84	12.11	12.88	12.87	-
3357	Nonferrous wire drawing and insulating	366.66	366.17	374.74	370.06	-	8.73	8.76	9.14	9.16	-
336	Nonferrous foundries	316.33	313.23	328.72	327.76	-	7.83	7.87	8.28	8.34	-
3361	Aluminum foundries	326.41	324.40	337.11	333.26	-	8.02	8.11	8.47	8.48	-
34	<b>FABRICATED METAL PRODUCTS</b>	325.21	323.61	337.66	340.89	337.65	8.01	8.05	8.57	8.63	8.68
341	Metal cans and shipping containers	450.88	459.61	482.51	494.50	-	10.51	10.59	11.30	11.50	-
3411	Metal cans	463.95	476.10	498.74	515.27	-	10.84	10.97	11.68	11.90	-
342	Cutlery, hand tools, and hardware	302.91	304.56	315.09	319.87	-	7.63	7.73	8.10	8.16	-
3423, 5	Hand and edge tools, and hand saws and blades	290.73	296.94	301.48	304.20	-	7.25	7.35	7.75	7.80	-
3429	Hardware, nec	319.95	317.00	326.24	332.74	-	8.10	8.17	8.43	8.51	-
343	Plumbing and heating, except electric	274.95	273.54	295.30	297.98	-	7.05	7.05	7.69	7.68	-
3432	Plumbing fittings and brass goods	270.80	271.55	292.86	305.31	-	6.77	6.84	7.49	7.52	-
3433	Heating equipment, except electric	262.39	261.95	291.83	289.17	-	6.95	6.93	7.58	7.55	-
344	Fabricated structural metal products	310.78	310.04	333.32	334.05	-	7.75	7.79	8.46	8.50	-
3441	Fabricated structural metal	326.36	328.84	346.26	352.40	-	7.96	8.04	8.70	8.81	-
3442	Metal doors, sash, and trim	242.94	247.40	261.67	260.82	-	6.31	6.36	6.85	6.81	-
3443	Fabricated plate work (boiler shops)	350.61	344.61	379.73	375.74	-	8.51	8.53	9.33	9.37	-
3444	Sheet metal work	309.29	309.28	333.37	336.65	-	7.85	7.91	8.57	8.61	-
3446	Architectural metal work	287.83	283.75	310.45	306.15	-	7.16	7.22	7.82	7.83	-
345	Screw machine products, bolts, etc.	307.57	303.86	315.61	316.78	-	7.52	7.54	7.99	8.04	-
3451	Screw machine products	278.10	277.99	298.00	296.21	-	6.97	7.02	7.45	7.48	-
3452	Bolts, nuts, rivets, and washers	336.07	330.03	333.84	337.90	-	8.04	8.03	8.56	8.62	-
346	Metal forgings and stampings	387.69	386.10	381.21	390.65	-	9.41	9.44	9.70	9.84	-
3462	Iron and steel forgings	404.19	398.80	418.80	415.52	-	9.98	9.97	10.47	10.60	-
3465	Automotive stampings	493.43	492.15	456.67	478.34	-	11.61	11.58	11.62	11.84	-
3469	Metal stampings, nec	285.22	279.58	299.13	299.90	-	7.06	7.06	7.67	7.67	-
347	Metal services, nec	263.40	258.73	264.80	266.85	-	6.44	6.42	6.86	6.86	-
3471	Plating and polishing	255.04	250.98	263.93	265.30	-	6.36	6.37	6.82	6.82	-
3479	Metal coating and allied services	280.50	276.87	266.19	269.27	-	6.60	6.53	6.95	6.94	-
348	Ordnance and accessories, nec	327.18	329.65	352.35	351.54	-	7.98	8.06	8.70	8.68	-
3483	Ammunition, exc. for small arms, nec	282.10	290.27	319.60	317.99	-	7.16	7.33	8.01	7.93	-
349	Misc. fabricated metal products	304.84	298.45	317.88	317.10	-	7.49	7.48	8.13	8.11	-
3494	Valves and pipe fittings	329.54	324.79	340.73	342.07	-	7.96	7.98	8.67	8.66	-
3496	Misc. fabricated wire products	267.15	262.94	270.27	272.13	-	6.58	6.59	7.02	7.05	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	355.14	353.74	375.25	371.28	364.45	8.62	8.67	9.22	9.19	9.18
351	Engines and turbines	419.60	426.12	446.84	447.19	-	10.49	10.60	11.37	11.35	-
3511	Turbines and turbine generator sets	404.58	383.04	415.91	432.64	-	9.82	9.60	10.45	10.63	-
3519	Internal combustion engines, nec	425.30	441.69	457.47	452.80	-	10.74	10.96	11.70	11.64	-
352	Farm and garden machinery	387.60	388.40	395.92	373.46	-	9.50	9.59	9.80	9.29	-
3523	Farm machinery and equipment	407.71	406.41	413.48	390.17	-	9.92	10.01	10.26	9.73	-
353	Construction and related machinery	391.15	391.11	417.73	417.17	-	9.38	9.47	10.09	10.15	-

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. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	40.6	40.9	39.2	39.7	39.3	3.7	3.8	3.1	3.3	-
321	Flat glass	40.7	40.4	42.0	42.3	-	3.6	3.3	4.1	4.1	-
322	Glass and glassware, pressed or blown	40.6	40.7	39.8	39.9	-	3.8	3.8	4.0	4.0	-
3221	Glass containers	41.3	41.3	40.7	40.8	-	4.4	4.3	4.8	4.9	-
3229	Pressed and blown glass, nec	39.6	39.9	38.5	38.6	-	3.1	3.2	3.0	2.8	-
323	Products of purchased glass	40.1	39.6	39.0	39.5	-	3.3	2.8	2.6	2.4	-
324	Cement, hydraulic	41.5	42.6	41.4	41.4	-	3.0	3.5	2.6	2.3	-
325	Structural clay products	40.1	40.6	39.0	39.2	-	2.7	3.0	2.4	2.4	-
326	Pottery and related products	39.7	39.3	38.9	38.8	-	2.0	2.1	2.0	1.8	-
327	Concrete, gypsum, and plaster products	40.6	41.6	37.9	39.5	-	4.6	5.1	3.6	4.4	-
3271	Concrete block and brick	42.1	43.0	38.3	39.5	-	4.5	5.5	3.2	3.8	-
3272	Concrete products, nec	41.2	41.5	39.6	40.7	-	4.1	4.3	3.7	4.3	-
3273	Ready-mixed concrete	38.9	40.4	35.9	37.6	-	4.5	5.0	3.7	4.3	-
329	Misc. nonmetallic mineral products	41.4	41.2	40.0	39.6	-	3.4	3.3	2.5	2.3	-
3291	Abrasive products	41.4	41.2	39.4	38.7	-	3.1	2.8	1.7	1.6	-
3292	Asbestos products	41.2	41.1	39.4	38.5	-	2.9	2.7	1.7	1.7	-
33	<b>PRIMARY METAL INDUSTRIES</b>	41.1	41.2	39.6	38.9	38.4	3.2	3.2	2.2	2.0	-
331	Blast furnace and basic steel products	41.0	42.1	39.3	38.1	-	2.8	3.2	1.8	1.4	-
3312	Blast furnaces and steel mills	40.9	42.1	39.2	38.0	-	2.7	3.2	1.9	1.4	-
3317	Steel pipe and tubes	41.1	41.4	39.1	38.2	-	3.5	3.8	1.7	1.5	-
332	Iron and steel foundries	40.4	38.9	38.7	38.0	-	3.0	2.5	2.3	2.0	-
3321	Gray iron foundries	40.4	38.5	38.2	37.9	-	2.9	2.6	2.3	2.0	-
3322	Malleable iron foundries	39.7	39.3	38.1	37.2	-	2.9	2.4	2.2	2.0	-
3325	Steel foundries, nec	41.0	39.8	39.7	38.5	-	3.4	2.3	2.5	2.1	-
333	Primary nonferrous metals	41.7	41.6	40.3	40.4	-	3.4	3.5	2.5	2.5	-
3334	Primary aluminum	42.1	41.4	40.0	40.7	-	3.7	3.6	2.9	3.1	-
335	Nonferrous rolling and drawing	42.2	42.3	40.9	40.5	-	4.4	4.5	3.0	2.9	-
3351	Copper rolling and drawing	42.2	42.8	40.1	39.5	-	4.8	4.7	2.6	2.3	-
3353	Aluminum sheet, plate and foil	43.0	43.2	42.4	41.6	-	6.0	5.9	4.1	4.2	-
3357	Nonferrous wire drawing and insulating	42.0	41.8	41.0	40.4	-	4.3	4.4	3.2	2.8	-
336	Nonferrous foundries	40.4	39.8	39.7	39.3	-	2.7	2.3	2.0	2.0	-
3361	Aluminum foundries	40.7	40.0	39.8	39.3	-	3.0	2.7	2.1	2.3	-
34	<b>FABRICATED METAL PRODUCTS</b>	40.6	40.2	39.4	39.5	38.9	2.8	2.5	2.1	2.1	-
341	Metal cans and shipping containers	42.9	43.4	42.7	43.0	-	4.4	4.2	4.0	4.1	-
3411	Metal cans	42.8	43.4	42.7	43.3	-	4.1	4.0	4.0	4.1	-
342	Cutlery, hand tools, and hardware	39.7	39.4	38.9	39.2	-	2.3	2.0	1.4	1.3	-
3423, 5	Hand and edge tools, and hand saws and blades	40.1	40.4	38.9	39.3	-	2.4	2.4	1.4	1.4	-
3429	Hardware, nec	39.5	38.8	38.7	39.1	-	2.3	1.9	1.4	1.2	-
343	Plumbing and heating, except electric	39.0	38.8	38.4	38.8	-	1.8	1.3	1.3	1.6	-
3432	Plumbing fittings and brass goods	40.0	39.7	39.1	40.6	-	2.3	1.7	1.7	2.5	-
3433	Heating equipment, except electric	37.7	37.8	38.5	38.3	-	1.1	.9	1.0	1.1	-
344	Fabricated structural metal products	40.1	39.8	39.4	39.3	-	2.6	2.3	2.2	2.1	-
3441	Fabricated structural metal	41.0	40.9	39.8	40.0	-	2.9	2.8	2.6	2.6	-
3442	Metal doors, sash, and trim	38.5	38.9	38.2	38.3	-	1.7	1.8	1.7	1.6	-
3443	Fabricated plate work (boiler shops)	41.2	40.4	40.7	40.1	-	2.9	2.5	2.8	2.6	-
3444	Sheet metal work	39.4	39.1	38.9	39.1	-	2.6	2.1	2.0	2.0	-
3446	Architectural metal work	40.2	39.3	39.7	39.1	-	2.1	1.5	1.8	1.5	-
345	Screw machine products, bolts, etc.	40.9	40.3	39.5	39.4	-	3.0	2.5	1.8	2.0	-
3451	Screw machine products	39.9	39.6	40.0	39.6	-	2.8	2.5	2.3	2.3	-
3452	Bolts, nuts, rivets, and washers	41.8	41.1	39.0	39.2	-	3.2	2.6	1.2	1.6	-
346	Metal forgings and stampings	41.2	40.9	39.3	39.7	-	3.6	3.3	1.9	2.3	-
3462	Iron and steel forgings	40.5	40.0	40.0	39.2	-	3.3	2.9	2.1	2.0	-
3465	Automotive stampings	42.5	42.5	39.3	40.4	-	4.7	4.7	1.8	2.7	-
3469	Metal stampings, nec	40.4	39.6	39.0	39.1	-	2.6	2.1	1.8	1.9	-
347	Metal services, nec	40.9	40.3	38.6	38.9	-	2.6	2.4	2.1	2.4	-
3471	Plating and polishing	40.1	39.4	38.7	38.9	-	3.0	2.5	2.2	2.5	-
3479	Metal coating and allied services	42.5	42.4	38.3	38.8	-	1.8	2.2	1.8	2.2	-
348	Ordinance and accessories, nec	41.0	40.9	40.5	40.5	-	2.9	2.7	2.6	2.2	-
3483	Ammunition, exc. for small arms, nec	39.4	39.6	39.9	40.1	-	1.9	1.9	2.2	1.7	-
349	Misc. fabricated metal products	40.7	39.9	39.1	39.1	-	2.8	2.3	2.0	1.9	-
3494	Valves and pipe fittings	41.4	40.7	39.3	39.5	-	3.2	2.9	2.1	2.0	-
3496	Misc. fabricated wire products	40.6	39.9	38.5	38.6	-	2.7	2.1	1.7	1.6	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	41.2	40.8	40.7	40.4	39.7	3.4	3.0	2.7	2.5	-
351	Engines and turbines	40.0	40.2	39.3	39.4	-	2.7	2.8	1.8	2.0	-
3511	Turbines and turbine generator sets	41.2	39.9	39.8	40.7	-	3.5	2.9	2.7	3.8	-
3519	Internal combustion engines, nec	39.6	40.3	39.1	38.9	-	2.4	2.7	1.5	1.3	-
352	Farm and garden machinery	40.8	40.5	40.4	40.2	-	3.4	3.3	2.4	1.8	-
3523	Farm machinery and equipment	41.1	40.6	40.3	40.1	-	3.8	3.6	2.3	1.7	-
353	Construction and related machinery	41.7	41.3	41.4	41.1	-	3.3	3.0	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<sup>1</sup> on private nonagricultural payrolls by industry—Continued

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
	<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>										
3531	Construction machinery .....	\$428.09	\$429.74	\$447.14	\$447.23	-	\$10.57	\$10.69	\$11.32	\$11.38	-
3532	Mining machinery .....	385.63	364.98	409.24	409.94	-	9.27	9.24	10.18	10.30	-
3533	Oil field machinery .....	400.37	405.86	441.22	439.94	-	8.78	8.92	9.74	9.82	-
3535	Conveyers and conveying equipment .....	311.33	316.42	344.86	338.64	-	9.15	8.24	8.60	8.53	-
3537	Industrial trucks and tractors .....	311.33	312.86	336.92	338.30	-	8.15	8.19	8.82	8.81	-
354	Metalworking machinery .....	372.66	366.50	388.81	384.35	-	8.81	8.81	9.46	9.49	-
3541	Machine tools, metal cutting types .....	387.56	374.69	396.66	389.45	-	8.93	8.90	9.77	9.81	-
3542	Machine tools, metal forming types .....	359.20	360.08	382.57	378.84	-	8.98	9.07	9.86	9.84	-
3544	Special dies, tools, jigs, and fixtures .....	405.14	399.50	421.42	418.67	-	9.40	9.40	10.01	10.04	-
3545	Machine tool accessories .....	335.20	330.42	340.29	335.16	-	8.00	8.02	8.55	8.55	-
3546	Power driven hand tools .....	271.10	271.81	328.18	318.89	-	7.06	7.06	7.74	7.74	-
355	Special industry machinery .....	331.20	326.82	353.43	354.16	-	8.00	8.03	8.77	8.81	-
3551	Food products machinery .....	341.78	339.55	365.02	362.06	-	8.46	8.51	9.08	9.12	-
3552	Textile machinery .....	262.34	261.95	270.05	265.49	-	6.43	6.50	6.96	6.95	-
3555	Printing trades machinery .....	358.99	350.20	368.24	370.17	-	8.31	8.24	9.07	9.14	-
356	General industrial machinery .....	348.94	343.80	367.03	365.09	-	8.49	8.51	9.13	9.15	-
3561	Pumps and pumping equipment .....	347.99	339.37	377.21	374.26	-	8.55	8.57	9.36	9.38	-
3562	Ball and roller bearings .....	359.54	354.41	361.01	355.51	-	8.52	8.54	8.87	8.91	-
3563	Air and gas compressors .....	375.62	381.07	413.50	404.97	-	8.88	9.03	9.94	9.95	-
3564	Blowers and fans .....	314.65	311.15	345.14	341.82	-	7.75	7.74	8.48	8.44	-
3566	Speed changers, drives, and gears .....	392.92	383.35	387.30	390.43	-	9.40	9.35	9.88	9.96	-
3568	Power transmission equipment, nec .....	338.25	336.20	355.52	350.24	-	8.25	8.22	8.80	8.80	-
357	Office and computing machines .....	298.16	299.88	324.84	322.55	-	7.29	7.35	7.79	7.81	-
3573	Electronic computing equipment .....	296.12	298.98	326.21	322.76	-	7.24	7.31	7.73	7.74	-
358	Refrigeration and service machinery .....	315.59	315.22	336.40	335.12	-	7.87	7.92	8.41	8.42	-
3585	Refrigeration and heating equipment .....	323.21	322.78	339.16	340.42	-	8.06	8.11	8.63	8.64	-
359	Misc. machinery, except electrical .....	343.17	340.66	354.00	351.04	-	8.37	8.37	8.85	8.82	-
3592	Carburetors, pistons, rings, valves .....	397.54	391.72	428.93	398.09	-	9.84	9.72	10.75	10.26	-
3599	Machinery, except electrical, nec .....	333.73	332.11	343.60	343.60	-	8.12	8.14	8.59	8.59	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b> .....	300.29	298.90	318.40	319.18	\$316.32	7.47	7.51	8.00	8.06	\$8.09
361	Electric distributing equipment .....	296.40	293.38	307.31	305.76	-	7.41	7.39	7.78	7.82	-
3612	Transformers .....	294.98	292.82	299.07	296.45	-	7.23	7.23	7.61	7.72	-
3613	Switchgear and switchboard apparatus .....	297.47	294.39	314.42	312.84	-	7.55	7.51	7.92	7.90	-
362	Electrical industrial apparatus .....	316.00	313.80	325.91	318.50	-	7.67	7.71	8.23	8.23	-
3621	Motors and generators .....	319.19	316.52	327.62	324.77	-	7.71	7.72	8.17	8.16	-
3622	Industrial controls .....	301.44	293.25	315.06	298.52	-	7.48	7.50	8.12	8.09	-
363	Household appliances .....	300.89	299.38	304.42	300.55	-	7.56	7.56	7.99	7.93	-
3632	Household refrigerators and freezers .....	355.10	358.03	360.21	364.17	-	8.64	8.69	9.26	9.29	-
3633	Household laundry equipment .....	345.64	348.98	355.13	358.15	-	8.84	8.88	9.42	9.50	-
3634	Electric housewares and fans .....	238.19	231.46	229.68	227.79	-	6.03	5.95	6.31	6.31	-
364	Electric lighting and wiring equipment .....	277.38	274.62	297.35	295.50	-	6.90	6.97	7.49	7.50	-
3641	Electric lamps .....	306.40	306.92	345.17	344.35	-	7.66	7.77	8.46	8.44	-
3643	Current-carrying wiring devices .....	268.87	264.26	278.95	277.93	-	6.59	6.59	7.08	7.09	-
3644	Noncurrent-carrying wiring devices .....	294.94	294.03	293.31	288.38	-	7.09	7.26	7.54	7.51	-
3645	Residential lighting fixtures .....	212.78	205.88	238.73	228.65	-	5.47	5.49	6.09	5.97	-
365	Radio and TV receiving equipment .....	278.46	276.53	296.42	302.25	-	7.14	7.22	7.62	7.75	-
3651	Radio and TV receiving sets .....	286.03	287.27	299.90	308.83	-	7.41	7.54	7.81	7.98	-
366	Communication equipment .....	344.25	341.60	377.40	383.64	-	8.50	8.54	9.25	9.38	-
3661	Telephone and telegraph apparatus .....	354.78	353.50	384.61	385.01	-	8.76	8.75	9.52	9.53	-
3662	Radio and TV communication equipment .....	337.79	334.32	372.69	383.16	-	8.32	8.40	9.09	9.30	-
367	Electronic components and accessories .....	257.90	258.30	277.70	277.90	-	6.48	6.49	6.96	7.00	-
3671-3	Electronic tubes .....	330.84	337.35	352.81	357.14	-	8.03	8.09	8.69	8.84	-
3674	Semiconductors and related devices .....	295.00	290.47	320.79	315.22	-	7.32	7.28	7.96	7.94	-
3679	Electronic components, nec .....	239.18	240.98	258.95	262.40	-	6.04	6.07	6.49	6.56	-
369	Misc. electrical equipment and supplies .....	342.45	347.27	352.54	358.80	-	8.54	8.66	8.88	8.97	-
3691	Storage batteries .....	321.01	328.20	350.37	338.69	-	8.21	8.33	8.87	8.82	-
3694	Engine electrical equipment .....	379.93	389.77	377.91	390.85	-	9.57	9.72	9.74	9.87	-
37	<b>TRANSPORTATION EQUIPMENT</b> .....	414.29	415.74	435.38	437.40	436.86	10.08	10.14	10.75	10.80	10.76
371	Motor vehicles and equipment .....	440.34	448.11	448.40	451.67	-	10.74	10.85	11.21	11.32	-
3711	Motor vehicles and car bodies .....	493.36	502.94	519.54	513.51	-	11.96	12.09	12.86	12.87	-
3713	Truck and bus bodies .....	335.41	341.88	360.10	357.29	-	8.47	8.59	8.98	8.91	-
3714	Motor vehicle parts and accessories .....	423.30	427.23	420.15	425.46	-	10.20	10.27	10.53	10.61	-
3715	Truck trailers .....	268.28	274.16	298.36	294.86	-	7.31	7.45	7.79	7.78	-
372	Aircraft and parts .....	417.00	412.41	458.02	455.26	-	10.00	10.01	11.01	10.97	-
3721	Aircraft .....	433.89	430.76	481.54	476.93	-	10.43	10.43	11.52	11.52	-
3724	Aircraft engines and engine parts .....	412.49	405.41	452.10	450.59	-	10.11	10.11	11.00	10.99	-
3728	Aircraft equipment, nec .....	387.43	383.24	417.74	417.50	-	9.01	9.06	9.97	9.87	-
373	Ship and boat building and repairing .....	363.44	353.97	372.24	375.74	-	8.80	8.74	9.40	9.37	-
3731	Shipbuilding and repairing .....	383.05	372.20	390.66	-	-	9.23	9.19	9.89	-	-
3732	Boat building and repairing .....	293.94	292.01	311.18	308.87	-	7.24	7.21	7.76	7.78	-
374	Railroad equipment .....	409.73	411.09	428.16	431.28	-	10.67	10.65	11.15	11.29	-

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. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
	<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>										
3531	Construction machinery	40.5	40.2	39.5	39.3	-	1.9	1.8	1.6	1.3	-
3532	Mining machinery	41.6	39.5	40.2	39.8	-	2.8	1.6	2.2	1.9	-
3533	Oil field machinery	45.6	45.5	45.3	44.8	-	6.3	5.9	5.2	5.6	-
3535	Conveyers and conveying equipment	38.2	38.4	40.1	39.7	-	2.4	2.3	2.7	1.9	-
3537	Industrial trucks and tractors	38.2	38.2	38.2	38.4	-	1.9	1.7	1.7	1.7	-
354	Metalworking machinery	42.3	41.6	41.1	40.5	-	4.5	3.9	3.3	3.1	-
3541	Machine tools, metal cutting types	43.4	42.1	40.6	39.7	-	5.1	4.0	3.0	2.6	-
3542	Machine tools, metal forming types	40.0	39.7	38.8	38.5	-	3.0	2.6	2.3	2.0	-
3544	Special dies, tools, jigs, and fixtures	43.1	42.5	42.1	41.7	-	5.5	4.9	4.4	4.4	-
3545	Machine tool accessories	41.9	41.2	39.8	39.2	-	3.7	3.3	1.8	1.8	-
3546	Power driven hand tools	38.4	38.5	42.4	41.2	-	1.5	1.4	2.7	1.7	-
355	Special industry machinery	41.4	40.7	40.3	40.2	-	3.0	2.5	2.5	2.4	-
3551	Food products machinery	40.4	39.9	40.2	39.7	-	2.3	2.0	2.4	2.4	-
3552	Textile machinery	40.8	40.3	38.8	38.2	-	2.0	1.7	1.9	1.4	-
3555	Printing trades machinery	43.2	42.5	40.6	40.5	-	4.4	3.5	2.8	2.7	-
356	General industrial machinery	41.1	40.4	40.2	39.9	-	3.2	2.7	2.4	2.1	-
3561	Pumps and pumping equipment	40.7	39.6	40.3	39.9	-	2.9	2.4	2.5	2.3	-
3562	Ball and roller bearings	42.2	41.5	40.7	39.9	-	3.8	3.4	2.5	1.9	-
3563	Air and gas compressors	42.3	42.2	41.6	40.7	-	4.0	3.6	3.2	2.7	-
3564	Blowers and fans	40.6	40.2	40.7	40.5	-	3.0	2.5	2.8	2.5	-
3566	Speed changers, drives, and gears	41.8	41.0	39.2	39.2	-	3.4	2.5	1.9	1.4	-
3568	Power transmission equipment, nec	41.0	40.9	40.4	39.8	-	3.3	2.9	2.2	1.9	-
357	Office and computing machines	40.9	40.8	41.7	41.3	-	2.5	2.3	2.7	2.7	-
3573	Electronic computing equipment	40.9	40.9	42.2	41.7	-	2.7	2.5	3.1	3.0	-
358	Refrigeration and service machinery	40.1	39.8	40.0	39.8	-	2.5	2.3	1.7	1.5	-
3585	Refrigeration and heating equipment	40.1	39.8	39.3	39.4	-	2.2	2.3	1.6	1.4	-
359	Misc. machinery, except electrical	41.0	40.7	40.0	39.8	-	3.8	3.4	3.0	2.8	-
3592	Carburetors, pistons, rings, valves	40.4	40.3	39.9	38.8	-	2.4	1.8	1.6	1.2	-
3599	Machinery, except electrical, nec	41.1	40.8	40.0	40.0	-	4.0	3.6	3.2	3.1	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>	40.2	39.8	39.8	39.6	39.1	2.3	2.0	1.9	1.8	-
361	Electric distributing equipment	40.0	39.7	39.5	39.1	-	2.5	2.2	1.9	1.8	-
3612	Transformers	40.8	40.5	39.3	38.4	-	2.6	2.3	2.2	2.0	-
3613	Switchgear and switchboard apparatus	39.4	39.2	39.7	39.6	-	2.5	2.1	1.7	1.6	-
362	Electrical industrial apparatus	41.2	40.7	39.6	38.7	-	2.9	2.5	1.7	1.4	-
3621	Motors and generators	41.4	41.0	40.1	39.8	-	3.0	2.6	1.9	1.7	-
3622	Industrial controls	40.3	39.1	38.8	36.9	-	2.4	1.8	1.2	1.0	-
363	Household appliances	39.8	39.6	38.1	37.9	-	1.9	1.7	1.1	1.0	-
3632	Household refrigerators and freezers	41.1	41.2	38.9	39.2	-	2.2	1.9	.9	.9	-
3633	Household laundry equipment	39.1	39.3	37.7	37.7	-	1.0	1.1	.7	.6	-
3634	Electric housewares and fans	39.5	38.9	36.4	36.1	-	1.4	1.1	1.0	.9	-
364	Electric lighting and wiring equipment	40.2	39.4	39.7	39.4	-	2.5	2.0	1.8	1.6	-
3641	Electric lamps	40.0	39.5	40.8	40.8	-	1.7	1.6	2.0	1.9	-
3643	Current-carrying wiring devices	40.8	40.1	39.4	39.2	-	3.1	2.6	2.0	1.7	-
3644	Noncurrent-carrying wiring devices	41.6	40.5	38.9	38.4	-	2.8	2.7	1.3	1.2	-
3645	Residential lighting fixtures	38.9	37.5	39.2	38.3	-	1.7	.9	2.1	1.4	-
365	Radio and TV receiving equipment	39.3	38.3	38.9	39.0	-	1.5	1.6	.9	1.0	-
3651	Radio and TV receiving sets	38.6	38.1	38.4	38.7	-	1.4	1.7	.7	.8	-
366	Communication equipment	40.5	40.0	40.8	40.9	-	2.1	1.8	2.2	2.2	-
3661	Telephone and telegraph apparatus	40.5	40.4	40.4	40.4	-	1.9	1.7	2.0	1.8	-
3662	Radio and TV communication equipment	40.6	39.8	41.0	41.2	-	2.2	1.8	2.3	2.4	-
367	Electronic components and accessories	39.8	39.8	39.9	39.7	-	2.3	2.1	2.2	2.1	-
3671-3	Electronic tubes	41.2	41.7	40.6	40.4	-	2.3	2.1	1.9	2.0	-
3674	Semiconductors and related devices	40.3	39.9	40.3	39.7	-	2.6	2.2	2.6	2.2	-
3679	Electronic components, nec	39.6	39.7	39.9	40.0	-	2.3	2.2	2.1	2.2	-
369	Misc. electrical equipment and supplies	40.1	40.1	39.7	40.0	-	2.2	2.2	1.8	2.0	-
3691	Storage batteries	39.1	39.4	39.5	38.4	-	1.5	1.7	1.7	1.2	-
3694	Engine electrical equipment	39.7	40.1	38.8	39.6	-	2.1	2.3	1.4	2.0	-
37	<b>TRANSPORTATION EQUIPMENT</b>	41.1	41.0	40.5	40.5	40.5	3.2	3.2	2.5	2.4	-
371	Motor vehicles and equipment	41.0	41.3	40.0	39.9	-	2.8	3.3	1.8	1.9	-
3711	Motor vehicles and car bodies	41.0	41.6	40.4	39.9	-	2.6	3.5	1.9	1.7	-
3713	Truck and bus bodies	39.6	39.8	40.1	40.1	-	1.9	2.3	1.7	1.2	-
3714	Motor vehicle parts and accessories	41.5	41.6	39.9	40.1	-	3.2	3.4	1.9	2.3	-
3715	Truck trailers	36.7	36.8	38.3	37.9	-	.8	1.1	1.1	.8	-
372	Aircraft and parts	41.7	41.2	41.6	41.5	-	3.7	3.2	3.4	3.2	-
3721	Aircraft	41.6	41.3	41.8	41.4	-	3.2	2.9	3.2	2.8	-
3724	Aircraft engines and engine parts	40.8	40.1	41.1	41.0	-	3.6	3.1	3.7	3.5	-
3728	Aircraft equipment, nec	43.0	42.3	41.9	42.3	-	4.7	4.1	3.5	3.6	-
373	Ship and boat building and repairing	41.3	40.5	39.6	40.1	-	4.0	3.5	2.4	2.3	-
3731	Ship building and repairing	41.5	40.5	39.5	-	-	4.1	3.6	2.2	-	-
3732	Boat building and repairing	40.6	40.5	40.1	39.7	-	3.6	3.1	2.8	2.3	-
374	Railroad equipment	38.4	38.6	38.4	38.2	-	2.2	2.2	1.2	1.4	-

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. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
	<b>TRANSPORTATION EQUIPMENT—Continued</b>										
376	Guided missiles, space vehicles, parts	\$399.10	\$394.18	\$429.95	\$429.55	-	\$9.83	\$9.83	\$10.59	\$10.58	-
3761	Guided missiles and space vehicles	403.61	401.00	438.34	441.73	-	10.04	10.05	10.85	10.88	-
379	Miscellaneous transportation equipment	294.67	282.71	346.36	353.01	-	7.24	7.05	8.51	8.61	-
3792	Travel trailers and campers	254.87	253.37	281.51	296.42	-	6.42	6.48	7.35	7.62	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	293.54	289.28	318.00	321.20	\$315.97	7.23	7.25	7.95	8.01	\$8.04
381	Engineering and scientific instruments	309.55	307.80	334.55	335.78	-	7.55	7.60	8.22	8.25	-
382	Measuring and controlling devices	291.72	285.51	312.43	320.40	-	7.15	7.12	7.85	8.01	-
3822	Environmental controls	265.34	258.23	283.48	287.04	-	6.65	6.69	7.25	7.36	-
3823	Process control instruments	303.00	299.59	332.47	330.81	-	7.18	7.15	8.05	8.01	-
3825	Instruments to measure electricity	303.96	295.14	323.87	338.30	-	7.45	7.36	8.22	8.50	-
383	Optical instruments and lenses	313.96	299.52	344.02	345.62	-	7.81	7.68	8.35	8.19	-
384	Medical instruments and supplies	246.76	245.07	268.52	259.70	-	6.20	6.22	6.85	6.88	-
3841	Surgical and medical instruments	245.42	244.00	273.53	276.41	-	6.03	6.10	6.89	6.98	-
3842	Surgical appliances and supplies	249.70	246.77	266.08	264.91	-	6.37	6.36	6.84	6.81	-
385	Ophthalmic goods	220.84	219.78	235.22	238.79	-	5.48	5.55	5.94	5.94	-
386	Photographic equipment and supplies	400.32	394.79	434.66	433.19	-	9.60	9.70	10.55	10.54	-
387	Watches, clocks, and watchcases	217.54	216.98	233.14	233.70	-	5.68	5.68	6.04	6.07	-
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>	227.57	228.13	243.71	246.13	245.12	5.85	5.91	6.33	6.36	6.40
391	Jewelry, silverware, and plated ware	237.88	238.77	250.88	258.02	-	6.26	6.30	6.69	6.79	-
3911	Jewelry, precious metal	235.88	234.21	248.20	254.56	-	6.29	6.33	6.80	6.88	-
393	Musical instruments	219.79	220.79	236.36	238.23	-	5.65	5.72	6.22	6.22	-
394	Toys and sporting goods	213.01	212.85	232.62	235.80	-	5.42	5.50	5.98	6.00	-
3942.4	Dolls, games, toys, and children's vehicles	200.69	203.30	216.59	222.14	-	5.24	5.35	5.67	5.74	-
3949	Sporting and athletic goods, nec	224.32	221.43	245.69	246.54	-	5.58	5.62	6.22	6.21	-
395	Pens, pencils, office and art supplies	236.02	235.62	259.89	262.25	-	5.96	5.95	6.53	6.54	-
396	Costume jewelry and notions	198.90	193.16	205.82	204.60	-	5.10	5.11	5.36	5.37	-
3961	Costume jewelry	180.96	175.28	195.32	194.27	-	4.80	4.75	4.97	5.02	-
399	Miscellaneous manufactures	245.75	248.45	259.29	260.74	-	6.35	6.42	6.79	6.79	-
3993	Signs and advertising displays	260.55	267.44	278.02	282.21	-	6.75	6.84	7.24	7.33	-
	<b>NONDURABLE GOODS</b>										
20	<b>FOOD AND KINDRED PRODUCTS</b>	285.77	289.64	307.68	305.37	306.92	7.29	7.37	7.75	7.79	7.89
201	Meat products	282.94	288.60	296.43	292.22	-	7.33	7.40	7.64	7.61	-
2011	Meat packing plants	362.56	366.86	368.26	365.98	-	8.80	8.84	8.96	8.97	-
2013	Sausages and other prepared meats	328.77	338.45	347.91	341.64	-	8.43	8.59	8.99	8.92	-
2016	Poultry dressing plants	164.03	168.86	182.81	178.57	-	4.66	4.73	5.05	5.03	-
202	Dairy products	299.39	299.15	319.14	320.74	-	7.32	7.35	7.88	7.90	-
2022	Cheese, natural and processed	279.27	273.61	287.18	291.72	-	7.07	7.07	7.44	7.48	-
2026	Fluid milk	312.42	314.99	334.53	334.96	-	7.51	7.59	8.10	8.13	-
203	Preserved fruits and vegetables	243.08	246.65	272.63	269.97	-	6.38	6.44	6.85	6.94	-
2032	Canned specialties	269.25	269.80	329.09	316.40	-	7.03	7.10	7.78	7.91	-
2033	Canned fruits and vegetables	253.37	263.06	276.98	275.66	-	6.65	6.78	7.03	7.15	-
2037	Frozen fruits and vegetables	223.78	223.28	250.57	254.32	-	5.92	5.97	6.28	6.39	-
204	Grain mill products	332.31	336.54	364.61	366.27	-	7.95	8.09	8.64	8.70	-
2041	Flour and other grain mill products	353.87	357.86	385.44	381.50	-	7.97	8.06	8.76	8.75	-
2048	Prepared feeds, nec	272.54	276.12	293.44	286.75	-	6.52	6.59	7.02	6.96	-
205	Bakery products	292.60	294.53	308.39	308.83	-	7.60	7.65	8.18	8.17	-
2051	Bread, cake, and related products	286.51	292.61	306.98	307.35	-	7.62	7.68	8.23	8.24	-
2052	Cookies and crackers	308.39	297.47	312.78	314.02	-	7.54	7.55	8.02	7.97	-
206	Sugar and confectionery products	285.68	287.83	297.43	294.36	-	7.16	7.25	7.29	7.49	-
2061.3	Cane and beet sugar	357.00	356.90	337.26	338.05	-	8.50	8.60	8.03	8.58	-
2065	Confectionery products	247.54	251.42	262.42	259.78	-	6.38	6.48	6.61	6.73	-
207	Fats and oils	319.88	325.29	341.28	334.17	-	7.58	7.69	7.90	7.90	-
208	Beverages	338.05	350.61	382.99	379.49	-	8.58	8.70	9.48	9.44	-
2082	Malt beverages	474.86	497.25	561.59	550.83	-	11.47	11.70	12.91	12.81	-
2086	Bottled and canned soft drinks	250.00	256.89	274.17	276.83	-	6.46	6.52	7.03	7.08	-
209	Misc. foods and kindred products	241.42	241.39	262.09	256.96	-	6.37	6.42	6.79	6.78	-
21	<b>TOBACCO MANUFACTURES</b>	320.29	331.08	364.23	355.94	354.80	8.61	8.90	9.51	9.62	9.94
211	Cigarettes	377.25	387.07	436.57	415.52	-	10.06	10.24	11.31	11.20	-
22	<b>TEXTILE MILL PRODUCTS</b>	214.94	211.18	219.46	217.53	214.60	5.36	5.36	5.76	5.77	5.80
221	Weaving mills, cotton	218.50	219.20	225.13	217.54	-	5.49	5.48	5.94	5.96	-
222	Weaving mills, synthetics	232.96	231.80	232.10	223.98	-	5.60	5.64	6.06	6.07	-
223	Weaving and finishing mills, wool	231.99	229.19	245.18	248.68	-	5.55	5.59	5.98	6.11	-
224	Narrow fabric mills	200.16	197.87	215.46	215.06	-	4.93	4.91	5.32	5.31	-
225	Knitting mills	192.27	187.62	196.18	196.01	-	5.02	5.03	5.36	5.37	-

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. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
<b>TRANSPORTATION EQUIPMENT—Continued</b>											
376	Guided missiles, space vehicles, parts .....	40.6	40.1	40.6	40.6	-	3.2	2.9	2.6	2.5	-
3761	Guided missiles and space vehicles .....	40.2	39.9	40.4	40.6	-	2.7	2.6	2.4	2.4	-
379	Miscellaneous transportation equipment .....	40.7	40.1	40.7	41.0	-	2.2	2.2	3.2	2.7	-
3792	Travel trailers and campers .....	39.7	39.1	38.3	38.9	-	1.9	1.9	1.8	1.5	-
<b>INSTRUMENTS AND RELATED PRODUCTS</b>											
38	Engineering and scientific instruments .....	40.6	39.9	40.0	40.1	39.3	2.3	1.9	1.9	1.9	-
381	Measuring and controlling devices .....	41.0	40.5	40.7	40.7	-	3.0	2.3	2.3	2.4	-
382	Environmental controls .....	40.8	40.1	39.8	40.0	-	2.1	1.6	1.5	1.5	-
3822	Process control instruments .....	39.9	38.6	39.1	39.0	-	2.2	1.4	1.3	.9	-
3823	Instruments to measure electricity .....	42.2	41.9	41.3	41.3	-	2.9	2.4	2.1	2.0	-
3825	Optical instruments and lenses .....	40.8	40.1	39.4	39.8	-	1.7	1.3	1.2	1.4	-
383	Medical instruments and supplies .....	40.2	39.0	41.2	42.2	-	3.1	2.2	2.5	2.8	-
384	Surgical and medical instruments .....	39.8	39.4	39.2	39.2	-	2.2	1.6	2.0	2.1	-
3841	Surgical appliances and supplies .....	40.7	40.0	39.7	39.6	-	2.3	1.7	2.1	2.5	-
3842	Ophthalmic goods .....	39.2	38.8	38.9	38.9	-	2.3	1.7	2.1	1.7	-
385	Photographic equipment and supplies .....	40.3	39.6	39.6	40.2	-	1.4	1.5	1.2	1.6	-
386	Watches, clocks, and watchcases .....	41.7	40.7	41.2	41.1	-	2.9	3.1	2.5	2.4	-
387	Watches, clocks, and watchcases .....	38.3	38.2	38.6	38.5	-	.7	.8	1.5	1.4	-
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>											
39	Jewelry, silverware, and plated ware .....	38.9	38.6	38.5	38.7	38.3	1.9	1.6	1.6	1.6	-
391	Jewelry, precious metal .....	38.0	37.9	37.5	38.0	-	1.9	1.8	1.4	1.5	-
3911	Musical instruments .....	37.5	37.0	36.5	37.0	-	2.2	1.9	1.5	1.4	-
393	Toys and sporting goods .....	38.9	38.6	38.0	38.3	-	1.0	.9	.8	.9	-
394	Dolls, games, toys, and children's vehicles .....	39.3	38.7	38.9	39.3	-	1.8	1.6	1.5	1.6	-
3942, 4	Sporting and athletic goods, nec .....	38.3	38.0	38.2	38.7	-	1.3	1.5	1.0	1.1	-
3949	Pens, pencils, office and art supplies .....	40.2	39.4	39.5	39.7	-	2.3	1.8	1.9	2.0	-
395	Costume jewelry and notions .....	39.6	39.6	39.8	40.1	-	2.4	1.7	1.8	2.1	-
396	Costume jewelry .....	39.0	37.8	38.4	38.1	-	2.1	1.6	2.3	1.8	-
3961	Miscellaneous manufactures .....	37.7	36.9	39.3	38.7	-	1.7	1.1	3.3	2.1	-
399	Signs and advertising displays .....	38.7	38.7	38.3	38.4	-	1.9	1.7	1.6	1.5	-
3993	Signs and advertising displays .....	38.6	39.1	38.4	38.5	-	2.4	2.4	2.1	2.1	-
<b>NONDURABLE GOODS</b>											
<b>FOOD AND KINDRED PRODUCTS</b>											
20	Meat products .....	39.2	39.3	39.7	39.2	38.9	3.3	3.3	3.4	3.1	-
201	Meat packing plants .....	38.6	39.0	38.8	38.4	-	3.2	3.2	3.2	3.0	-
2011	Seausages and other prepared meats .....	41.2	41.5	41.1	40.8	-	4.2	4.2	4.1	3.9	-
2013	Poultry dressing plants .....	39.0	39.4	38.7	38.3	-	2.8	3.2	2.9	2.6	-
2016	Dairy products .....	35.2	35.7	36.2	35.5	-	2.0	1.9	2.2	2.0	-
202	Cheese, natural and processed .....	40.9	40.7	40.5	40.6	-	3.7	3.8	3.5	3.5	-
2022	Fluid milk .....	39.5	38.7	38.6	39.0	-	3.4	3.5	2.9	2.7	-
2026	Preserved fruits and vegetables .....	41.6	41.5	41.3	41.2	-	3.9	4.0	3.9	3.9	-
203	Canned specialties .....	38.1	38.3	39.8	38.9	-	2.9	2.6	3.1	2.6	-
2032	Canned fruits and vegetables .....	38.3	38.0	42.3	40.0	-	3.6	3.3	3.8	2.7	-
2033	Frozen fruits and vegetables .....	38.1	38.8	39.4	38.5	-	2.5	2.5	2.6	2.3	-
2037	Grain mill products .....	37.8	37.4	39.9	39.8	-	3.0	2.3	4.1	3.1	-
204	Flour and other grain mill products .....	41.8	41.6	42.2	42.1	-	4.9	4.8	4.9	4.7	-
2041	Prepared feeds, nec .....	44.4	44.4	44.0	43.6	-	5.1	5.3	5.7	5.2	-
2048	Bakery products .....	41.8	41.9	41.8	41.2	-	5.1	5.0	4.9	4.3	-
205	Bread, cake, and related products .....	38.5	38.5	37.7	37.8	-	2.8	3.1	2.8	2.8	-
2051	Cookies and crackers .....	37.6	38.1	37.3	37.3	-	2.8	3.3	3.0	2.9	-
2052	Sugar and confectionery products .....	40.9	39.4	39.0	39.4	-	2.8	2.5	2.3	2.4	-
206	Cane and beet sugar .....	39.9	39.7	40.8	39.3	-	2.7	2.6	2.6	2.2	-
2061-3	Confectionery products .....	42.0	41.5	42.0	39.4	-	3.3	3.5	3.5	3.2	-
2065	Fats and oils .....	38.8	38.8	39.7	38.6	-	2.6	2.3	2.2	1.7	-
207	Beverages .....	42.2	42.3	43.2	42.3	-	4.5	4.3	5.2	4.8	-
208	Malt beverages .....	39.4	40.3	40.4	40.2	-	3.4	4.0	3.7	3.7	-
2082	Bottled and canned soft drinks .....	41.4	42.5	43.5	43.0	-	5.5	6.2	6.0	5.8	-
2086	Misc. foods and kindred products .....	38.7	39.4	39.0	39.1	-	2.8	3.5	2.9	3.1	-
209	Misc. foods and kindred products .....	37.9	37.6	38.6	37.9	-	3.2	3.0	3.1	2.8	-
<b>TOBACCO MANUFACTURES</b>											
21	Cigarettes .....	37.2	37.2	38.3	37.0	36.7	1.0	1.1	1.3	.8	-
211	Cigarettes .....	37.5	37.8	38.6	37.1	-	1.3	1.2	1.5	.8	-
<b>TEXTILE MILL PRODUCTS</b>											
22	Weaving mills, cotton .....	40.1	39.4	38.1	37.7	37.0	3.1	2.7	2.1	2.1	-
221	Weaving mills, synthetics .....	39.8	40.0	37.9	36.5	-	3.0	2.8	2.3	2.2	-
222	Weaving and finishing mills, wool .....	41.6	41.1	38.3	36.9	-	3.8	3.5	2.3	2.0	-
223	Narrow fabric mills .....	41.8	41.0	41.0	40.7	-	3.8	3.6	3.7	3.8	-
224	Knitting mills .....	40.6	40.3	40.5	40.5	-	2.6	2.2	2.1	2.0	-
225	Knitting mills .....	38.3	37.3	36.5	36.5	-	2.3	1.7	1.6	1.7	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
<b>TEXTILE MILL PRODUCTS—Continued</b>											
2251	Women's hosiery, except socks	\$176.60	\$172.79	\$194.16	\$186.80	-	\$4.76	\$4.76	\$5.15	\$5.09	-
2252	Hosiery, nec	181.93	177.34	182.94	176.81	-	4.75	4.78	5.11	5.11	-
2253	Knit outerwear mills	184.50	180.80	188.48	190.05	-	4.92	4.94	5.25	5.25	-
2254	Knit underwear mills	176.90	171.15	178.02	172.34	-	4.86	4.89	5.19	5.16	-
2257	Circular knit fabric mills	219.45	212.14	230.30	239.76	-	5.50	5.51	5.86	5.92	-
226	Textile finishing, except wool	238.14	230.61	253.37	255.42	-	5.67	5.68	6.12	6.14	-
2261	Finishing plants, cotton	243.02	230.04	270.40	270.95	-	5.80	5.78	6.09	6.13	-
2262	Finishing plants, synthetics	247.35	243.95	250.88	248.20	-	5.82	5.85	6.40	6.43	-
227	Floor covering mills	216.38	213.62	223.65	221.09	-	5.52	5.52	5.87	5.88	-
228	Yarn and thread mills	200.90	196.89	201.79	203.79	-	5.01	5.01	5.41	5.42	-
2281	Yarn mills, except wool	201.80	196.39	201.25	204.88	-	5.02	5.01	5.41	5.42	-
2282	Throwing and winding mills	188.94	189.24	195.98	193.29	-	4.82	4.84	5.24	5.21	-
229	Miscellaneous textile goods	249.31	246.33	251.62	250.67	-	5.95	5.95	6.37	6.33	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	176.85	174.59	181.28	181.47	\$179.75	4.94	4.96	5.15	5.17	\$5.21
231	Men's and boys' suits and coats	205.82	199.80	214.80	210.50	-	5.67	5.66	5.95	5.98	-
232	Men's and boys' furnishings	164.06	162.69	169.46	168.63	-	4.57	4.57	4.76	4.75	-
2321	Men's and boys' shirts and nightwear	158.42	157.44	169.62	165.90	-	4.45	4.46	4.66	4.66	-
2327	Men's and boys' separate trousers	167.44	162.29	175.09	175.08	-	4.73	4.65	4.85	4.81	-
2328	Men's and boys' work clothing	161.45	162.71	164.85	163.22	-	4.46	4.47	4.67	4.65	-
233	Women's and misses' outerwear	166.90	164.66	171.70	171.70	-	4.88	4.93	5.08	5.11	-
2331	Women's and misses' blouses and waists	155.84	154.51	161.84	163.82	-	4.57	4.64	4.76	4.79	-
2335	Women's and misses' dresses	164.67	162.83	174.38	174.87	-	4.99	5.01	5.19	5.22	-
2337	Women's and misses' suits and coats	181.65	177.99	179.40	182.47	-	5.25	5.41	5.52	5.72	-
2339	Women's and misses' outerwear, nec	168.15	165.12	169.94	168.61	-	4.75	4.80	4.94	4.93	-
234	Women's and children's undergarments	162.79	160.20	163.68	162.97	-	4.46	4.50	4.69	4.71	-
2341	Women's and children's underwear	161.41	158.87	161.00	161.24	-	4.41	4.45	4.60	4.62	-
2342	Brassieres and allied garments	167.90	164.97	177.15	170.47	-	4.69	4.70	5.12	5.15	-
236	Children's outerwear	160.47	156.35	171.96	166.50	-	4.47	4.48	4.79	4.73	-
2361	Children's dresses and blouses	157.44	154.35	166.37	160.61	-	4.41	4.50	4.74	4.71	-
238	Misc. apparel and accessories	177.60	173.76	182.73	186.88	-	4.80	4.80	5.09	5.12	-
239	Misc. fabricated textile products	221.95	223.10	221.26	227.71	-	5.78	5.81	5.98	6.04	-
2391	Curtains and draperies	156.52	159.78	148.39	150.80	-	4.30	4.33	4.58	4.64	-
2392	House furnishing, nec	183.83	183.84	190.69	199.56	-	4.75	4.80	5.14	5.17	-
2396	Automotive and apparel trappings	384.74	392.92	399.90	394.24	-	9.43	9.56	10.36	10.24	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	351.92	354.05	378.00	376.55	382.55	8.30	8.37	9.00	9.03	9.13
261, 2, 6	Paper and pulp mills	429.43	434.11	465.31	459.90	-	9.65	9.69	10.48	10.48	-
262	Paper mills, except building paper	432.45	437.20	469.35	464.14	-	9.61	9.63	10.43	10.43	-
263	Paperboard mills	433.29	441.44	467.72	466.76	-	9.87	10.01	10.63	10.73	-
264	Misc. converted paper products	301.26	298.22	325.19	323.20	-	7.33	7.40	7.99	8.00	-
2641	Paper coating and glazing	347.31	346.10	383.40	383.95	-	8.23	8.28	9.00	9.12	-
2642	Envelopes	272.70	273.60	298.89	296.34	-	6.75	6.84	7.38	7.39	-
2643	Bags, except textile bags	284.13	280.40	303.81	302.00	-	6.93	7.01	7.52	7.55	-
265	Paperboard containers and boxes	302.00	307.10	318.35	319.98	-	7.33	7.40	7.88	7.94	-
2651	Folding paperboard boxes	316.40	312.08	321.53	323.58	-	7.48	7.52	7.90	7.97	-
2653	Corrugated and solid fiber boxes	313.12	320.67	337.42	337.39	-	7.60	7.69	8.27	8.31	-
2654	Sanitary food containers	291.48	294.13	303.32	311.54	-	6.94	6.97	7.38	7.58	-
27	<b>PRINTING AND PUBLISHING</b>	297.54	297.48	318.20	320.17	316.46	8.02	8.04	8.60	8.63	8.67
271	Newspapers	270.10	274.21	289.62	288.86	-	8.16	8.21	8.83	8.78	-
272	Periodicals	285.36	285.67	336.69	330.33	-	7.63	7.70	8.70	8.67	-
273	Books	273.94	275.33	296.40	293.33	-	7.19	7.17	7.80	7.76	-
2731	Book publishing	265.41	268.28	290.32	287.66	-	7.04	7.06	7.62	7.55	-
2732	Book printing	283.71	282.85	303.58	300.75	-	7.35	7.29	8.01	8.02	-
274	Miscellaneous publishing	234.61	243.20	282.29	280.81	-	6.84	6.87	7.65	7.61	-
275	Commercial printing	323.98	321.02	339.34	344.96	-	8.35	8.36	8.86	8.96	-
2751	Commercial printing, letterpress	296.00	299.82	317.75	317.98	-	7.81	7.89	8.34	8.39	-
2752	Commercial printing, lithographic	337.90	330.33	350.83	359.52	-	8.62	8.58	9.16	9.29	-
276	Manifold business forms	313.61	316.41	336.66	332.74	-	7.86	7.97	8.48	8.51	-
278	Blankbooks and bookbinding	239.86	237.88	248.44	254.03	-	6.23	6.26	6.59	6.65	-
279	Printing trade services	377.85	373.60	413.18	402.88	-	10.13	10.07	10.76	10.63	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	367.74	371.90	397.85	394.13	396.50	8.84	8.94	9.68	9.66	9.79
281	Industrial inorganic chemicals	402.97	409.12	443.56	436.45	-	9.71	9.93	10.74	10.75	-
2819	Industrial inorganic chemicals, nec	402.94	408.36	446.13	439.01	-	9.78	9.96	10.75	10.76	-
282	Plastics materials and synthetics	363.49	378.59	388.55	383.54	-	8.78	8.95	9.50	9.47	-
2821	Plastics materials and resins	409.88	422.92	424.92	418.82	-	9.51	9.70	10.19	10.24	-
2824	Organic fibers, noncellulosic	331.67	347.75	365.22	359.79	-	8.23	8.42	9.04	8.95	-
283	Drugs	331.71	330.89	364.38	364.75	-	8.15	8.11	8.98	8.94	-
2834	Pharmaceutical preparations	314.31	313.56	346.71	344.06	-	7.78	7.80	8.61	8.58	-

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. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
<b>TEXTILE MILL PRODUCTS—Continued</b>											
2251	Women's hosiery, except socks	37.1	36.3	37.7	36.7	-	1.8	1.4	2.2	1.6	-
2252	Hosiery, nec	38.3	37.1	35.8	34.6	-	2.0	1.6	1.3	.9	-
2253	Knit outerwear mills	37.5	36.6	35.9	36.2	-	2.1	1.6	1.4	1.5	-
2254	Knit underwear mills	36.4	35.0	34.3	33.4	-	1.2	.6	.6	.2	-
2257	Circular knit fabric mills	39.9	38.5	39.3	40.5	-	2.9	2.0	2.3	3.2	-
226	Textile finishing, except wool	42.0	40.6	41.4	41.6	-	3.9	3.3	2.7	3.5	-
2261	Finishing plants, cotton	41.9	39.8	44.4	44.2	-	4.1	3.2	2.6	3.1	-
2262	Finishing plants, synthetics	42.5	41.7	39.2	38.6	-	4.1	3.5	2.7	2.9	-
227	Floor covering mills	39.2	38.7	38.1	37.6	-	3.1	2.8	1.7	1.4	-
228	Yarn and thread mills	40.1	39.3	37.3	37.6	-	3.2	2.6	2.0	2.1	-
2281	Yarn mills, except wool	40.2	39.2	37.2	37.8	-	3.3	2.6	2.1	2.2	-
2282	Throwing and winding mills	39.2	39.1	37.4	37.1	-	3.1	2.8	1.6	1.8	-
229	Miscellaneous textile goods	41.9	41.4	39.5	39.6	-	3.8	3.4	2.8	2.6	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	35.8	35.2	35.2	35.1	34.5	1.1	.8	1.0	1.0	-
231	Men's and boys' suits and coats	36.3	35.3	36.1	35.2	-	.7	.3	.9	.9	-
232	Men's and boys' furnishings	35.9	35.6	35.6	35.5	-	.8	.6	.9	.8	-
2321	Men's and boys' shirts and nightwear	35.6	35.3	36.4	35.6	-	.9	.7	1.1	.9	-
2327	Men's and boys' separate trousers	35.4	34.9	36.1	36.4	-	.8	.6	1.4	1.0	-
2328	Men's and boys' work clothing	36.2	36.4	35.3	35.1	-	.7	.5	.6	.6	-
233	Women's and misses' outerwear	34.2	33.4	33.8	33.6	-	1.0	.8	1.0	1.0	-
2331	Women's and misses' blouses and waists	34.1	33.3	34.0	34.2	-	.9	.7	.9	1.1	-
2335	Women's and misses' dresses	33.0	32.5	33.6	33.5	-	1.0	.8	.9	.9	-
2337	Women's and misses' suits and coats	34.6	32.9	32.5	31.9	-	.9	.4	.9	.7	-
2339	Women's and misses' outerwear, nec	35.4	34.4	34.4	34.2	-	1.2	.9	1.1	1.1	-
234	Women's and children's undergarments	36.5	35.6	34.9	34.6	-	1.2	.9	.9	.9	-
2341	Women's and children's underwear	36.6	35.7	35.0	34.9	-	1.3	.9	.9	1.0	-
2342	Brassieres and allied garments	35.8	35.1	34.6	33.1	-	1.0	1.0	.7	.5	-
236	Children's outerwear	35.9	34.9	35.9	35.2	-	1.1	.5	1.4	1.0	-
2361	Children's dresses and blouses	35.7	34.3	35.1	34.1	-	1.1	.4	1.2	.9	-
238	Misc. apparel and accessories	37.0	36.2	35.9	36.5	-	1.3	.8	1.0	1.2	-
239	Misc. fabricated textile products	38.4	38.4	37.0	37.7	-	1.7	1.6	1.5	1.6	-
2391	Curtains and draperies	36.4	36.9	32.4	32.5	-	.3	.7	.7	.9	-
2392	House furnishings, nec	38.7	38.3	37.1	38.6	-	1.5	1.5	1.4	2.1	-
2396	Automotive and apparel trimmings	40.8	41.1	38.6	38.5	-	2.2	2.3	1.5	1.4	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	42.4	42.3	42.0	41.7	41.9	4.3	4.3	4.1	3.9	-
261, 2, 6	Paper and pulp mills	44.5	44.8	44.4	43.8	-	6.3	6.4	5.9	5.7	-
262	Paper mills, except building paper	45.0	45.4	45.0	44.5	-	6.6	6.6	6.1	5.9	-
263	Paperboard mills	43.9	44.1	44.0	43.5	-	7.1	7.4	7.4	7.0	-
264	Misc. converted paper products	41.1	40.3	40.7	40.4	-	2.8	2.4	2.6	2.3	-
2641	Paper coating and glazing	42.2	41.8	42.6	42.1	-	3.1	2.7	2.5	2.3	-
2642	Envelopes	40.4	40.0	40.5	40.1	-	2.1	1.5	2.4	2.2	-
2643	Bags, except textile bags	41.0	40.0	40.4	40.0	-	2.8	2.4	2.8	2.5	-
265	Paperboard containers and boxes	41.2	41.5	40.4	40.3	-	3.1	3.2	2.7	2.7	-
2651	Folding paperboard boxes	42.3	41.5	40.7	40.6	-	4.0	3.7	2.6	2.8	-
2653	Corrugated and solid fiber boxes	41.2	41.7	40.8	40.6	-	3.0	3.2	3.1	2.9	-
2654	Sanitary food containers	42.0	42.2	41.1	41.1	-	3.2	3.3	2.4	2.7	-
27	<b>PRINTING AND PUBLISHING</b>	37.1	37.0	37.0	37.1	36.5	2.4	2.2	2.3	2.4	-
271	Newspapers	33.1	33.4	32.8	32.9	-	1.3	1.4	1.4	1.2	-
272	Periodicals	37.4	37.1	38.7	38.1	-	2.3	2.2	2.9	2.5	-
273	Books	38.1	38.4	38.0	37.8	-	2.5	2.3	2.5	2.4	-
2731	Book publishing	37.7	38.0	38.1	38.1	-	2.0	2.0	1.4	1.7	-
2732	Book printing	38.6	38.8	37.9	37.5	-	3.0	2.6	3.8	3.3	-
274	Miscellaneous publishing	34.3	35.4	36.9	36.9	-	1.3	1.6	1.5	1.6	-
275	Commercial printing	38.8	38.4	38.3	38.5	-	3.1	2.7	2.6	3.0	-
2751	Commercial printing, letterpress	37.9	38.0	38.1	37.9	-	2.3	2.2	2.1	2.2	-
2752	Commercial printing, lithographic	39.2	38.5	38.3	38.7	-	3.5	2.9	3.0	3.4	-
276	Manifold business forms	39.9	39.7	39.7	39.1	-	2.3	2.2	2.4	2.2	-
278	Blankbooks and bookbinding	38.5	38.0	37.7	38.2	-	1.7	1.3	1.3	1.6	-
279	Printing trade service	37.3	37.1	38.4	37.9	-	3.1	3.0	3.6	3.1	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	41.6	41.6	41.1	40.8	40.5	3.3	3.2	2.8	2.6	-
281	Industrial inorganic chemicals	41.5	41.2	41.3	40.6	-	3.2	3.1	3.2	2.7	-
2819	Industrial inorganic chemicals, nec	41.2	41.0	41.5	40.8	-	3.0	2.7	3.4	2.9	-
282	Plastics materials and synthetics	41.4	42.3	40.9	40.5	-	3.0	3.2	2.6	2.1	-
2821	Plastics materials and resins	43.1	43.6	41.7	40.9	-	4.5	4.6	3.3	2.8	-
2824	Organic fibers, noncellulosic	40.3	41.3	40.4	40.2	-	1.8	2.1	1.8	1.5	-
283	Drugs	40.7	40.8	41.2	40.8	-	3.0	2.7	2.7	2.5	-
2834	Pharmaceutical preparations	40.4	40.2	40.5	40.1	-	3.0	2.6	2.6	2.4	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
284	Soap, cleaners, and toilet goods	\$330.88	\$326.01	\$360.93	\$359.39	-	\$8.09	\$8.13	\$8.89	\$8.94	-
2841	Soap and other detergents	445.83	441.83	489.34	485.64	-	10.49	10.57	11.38	11.40	-
2844	Toilet preparations	264.47	250.77	282.03	276.10	-	6.53	6.43	7.14	7.19	-
2842, 3	Polishing, sanitation, and finishing preparations	304.92	314.42	341.02	348.53	-	7.70	7.90	8.59	8.67	-
285	Paints and allied products	325.21	326.40	332.74	336.94	-	8.01	8.00	8.51	8.53	-
286	Industrial organic chemicals	445.30	451.54	472.88	474.13	-	10.38	10.55	11.34	11.37	-
2865	Cyclic crudes and intermediates	389.05	409.45	447.95	452.94	-	9.63	9.89	10.82	10.81	-
2881, 9	Gum, wood, and industrial organic chemicals, nec	463.22	465.91	481.12	480.90	-	10.60	10.76	11.51	11.56	-
287	Agricultural chemicals	375.82	375.29	403.52	394.66	-	8.60	8.51	9.45	9.33	-
289	Miscellaneous chemical products	338.25	342.77	366.62	363.69	-	8.21	8.34	9.03	8.98	-
29	<b>PETROLEUM AND COAL PRODUCTS</b>	478.40	500.46	517.79	517.28	\$530.37	11.23	11.40	12.27	12.20	\$12.45
291	Petroleum refining	515.03	544.45	559.42	557.70	-	12.09	12.29	13.04	13.00	-
295	Paving and roofing materials	356.21	356.07	341.12	349.67	-	8.17	8.30	8.68	8.72	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	287.75	288.86	302.84	299.74	300.62	7.07	7.15	7.59	7.55	7.53
301	Tires and inner tubes	439.74	445.95	476.68	467.78	-	10.52	10.72	11.57	11.55	-
302	Rubber and plastics footwear	179.45	169.40	201.98	199.17	-	4.71	4.84	5.26	5.12	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	315.92	322.76	325.48	321.95	-	7.51	7.74	8.24	8.13	-
306	Fabricated rubber products, nec	265.43	264.80	282.98	282.35	-	6.57	6.62	7.11	7.13	-
307	Miscellaneous plastics products	261.46	261.79	268.77	269.68	-	6.44	6.48	6.77	6.81	-
31	<b>LEATHER AND LEATHER PRODUCTS</b>	180.32	178.96	183.91	185.31	184.10	4.90	4.93	5.21	5.22	5.23
311	Leather tanning and finishing	263.16	261.30	271.66	267.26	-	6.45	6.50	6.93	6.96	-
314	Footwear, except rubber	172.06	171.12	173.69	176.25	-	4.74	4.78	5.02	5.05	-
3143	Men's footwear, except athletic	188.00	186.74	184.98	189.04	-	5.00	5.02	5.27	5.31	-
3144	Women's footwear, except athletic	158.58	156.83	164.94	164.15	-	4.57	4.64	4.88	4.90	-
316	Luggage	194.43	187.25	182.71	187.88	-	4.96	4.98	5.52	5.43	-
317	Handbags and personal leather goods	165.04	160.06	178.12	176.89	-	4.61	4.56	4.88	4.90	-
	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	371.15	374.92	399.45	394.45	397.41	9.42	9.54	10.19	10.14	10.19
	<b>RAILROAD TRANSPORTATION:</b>										
4011	Class I railroads <sup>2</sup>	452.12	454.94	500.02	-	-	10.49	10.58	11.39	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>	215.41	223.10	234.06	234.55	-	6.43	6.64	7.05	6.96	-
411	Local and suburban transportation	276.71	284.59	300.96	300.23	-	7.15	7.26	7.60	7.62	-
413	Intercity highway transportation	335.17	374.49	385.58	366.23	-	10.44	10.95	11.08	10.74	-
42	<b>TRUCKING AND WAREHOUSING</b>	378.49	384.90	396.04	393.98	-	9.68	9.92	10.26	10.26	-
421, 3	Trucking and trucking terminals	386.90	392.66	405.19	403.10	-	9.87	10.12	10.47	10.47	-
422	Public warehousing	261.67	262.89	269.59	268.91	-	6.85	6.90	7.17	7.19	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b>	478.84	491.21	504.48	497.33	-	11.32	11.45	12.04	12.13	-
48	<b>COMMUNICATION</b>	356.96	360.87	394.13	391.10	-	9.06	9.09	10.08	10.08	-
481	Telephone communication	370.40	372.80	411.47	407.67	-	9.33	9.32	10.47	10.48	-
4817	Switchboard operating employees <sup>3</sup>	248.30	269.57	291.98	281.01	-	7.57	7.68	8.69	8.62	-
4818	Line construction employees <sup>4</sup>	465.28	466.12	510.43	504.84	-	10.92	10.84	12.01	12.02	-
483	Radio and television broadcasting	297.14	303.96	318.17	321.64	-	7.84	8.02	8.53	8.60	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	399.51	404.35	439.07	434.25	-	9.65	9.72	10.58	10.54	-
491	Electric services	409.78	413.56	444.33	440.96	-	9.78	9.80	10.63	10.60	-
492	Gas production and distribution	366.87	368.51	398.40	393.16	-	8.97	9.01	9.67	9.66	-
493	Combination utility services	439.60	451.52	498.78	491.88	-	10.67	10.88	11.99	11.91	-
495	Sanitary services	308.91	314.52	335.75	334.13	-	7.59	7.69	8.29	8.25	-
-	<b>WHOLESALE AND RETAIL TRADE</b>	186.62	188.43	194.04	193.73	194.35	5.85	5.87	6.16	6.15	6.17
50, 51	<b>WHOLESALE TRADE</b>	285.67	287.60	303.69	303.31	303.66	7.42	7.47	7.95	7.94	7.97
50	<b>WHOLESALE TRADE-DURABLE GOODS</b>	289.03	289.84	304.54	305.73	-	7.43	7.47	7.91	7.90	-
501	Motor vehicles and automotive equipment	263.64	265.57	269.93	270.27	-	6.83	6.88	7.16	7.15	-
502	Furniture and home furnishings	253.27	255.35	264.89	269.65	-	5.79	6.92	7.14	7.21	-
503	Lumber and construction materials	292.99	296.03	297.86	299.49	-	7.61	7.61	7.88	7.84	-
504	Sporting goods, toys, and hobby goods	294.03	292.39	322.88	324.05	-	7.82	7.86	8.61	8.55	-

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. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
284	Soap, cleaners, and toilet goods	40.9	40.1	40.6	40.2	-	2.8	2.2	2.4	2.5	-
2841	Soap and other detergents	42.5	41.8	43.0	42.6	-	3.8	3.3	3.6	3.6	-
2844	Toilet preparations	40.5	39.0	39.5	38.4	-	2.6	1.6	1.8	1.8	-
2842, 3	Polishing, sanitation, and finishing preparations	39.6	39.8	39.7	40.2	-	2.1	2.0	1.8	2.2	-
285	Paints and allied products	40.6	40.8	39.1	39.5	-	2.8	2.8	1.7	1.8	-
286	Industrial organic chemicals	42.9	42.8	41.7	41.7	-	3.8	3.8	2.9	2.9	-
2885	Cyclic crudes and intermediates	40.4	41.4	41.4	41.9	-	3.4	3.8	2.2	2.4	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	43.7	43.3	41.8	41.6	-	4.0	3.8	3.2	3.0	-
287	Agricultural chemicals	43.7	44.1	42.7	42.3	-	5.4	5.3	4.5	4.3	-
289	Miscellaneous chemical products	41.2	41.1	40.6	40.5	-	3.2	2.9	2.7	2.7	-
29	<b>PETROLEUM AND COAL PRODUCTS</b>	42.6	43.9	42.2	42.4	42.6	3.6	3.9	3.3	3.2	-
291	Petroleum refining	42.6	44.3	42.9	42.9	-	3.3	3.8	3.5	3.2	-
296	Paving and roofing materials	43.6	42.9	39.3	40.1	-	5.7	5.3	2.9	3.5	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	40.7	40.4	39.9	39.7	39.4	3.1	2.8	2.6	2.5	-
301	Tires and inner tubes	41.8	41.6	41.2	40.5	-	3.1	2.9	2.8	2.2	-
302	Rubber and plastics footwear	38.1	35.0	38.4	38.9	-	2.2	1.5	2.0	1.5	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	42.2	41.7	39.5	39.6	-	3.5	2.7	1.9	1.7	-
306	Fabricated rubber products, nec	40.4	40.0	39.8	39.6	-	2.6	2.5	2.3	2.3	-
307	Miscellaneous plastics products	40.6	40.4	39.7	39.6	-	3.2	3.0	2.7	2.7	-
31	<b>LEATHER AND LEATHER PRODUCTS</b>	36.8	36.3	35.3	35.5	35.2	1.3	1.0	1.1	1.1	-
311	Leather tanning and finishing	40.8	40.2	39.2	38.4	-	3.3	3.3	2.7	2.8	-
314	Footwear, except rubber	36.3	35.8	34.6	34.9	-	.9	.7	.9	1.0	-
3143	Men's footwear, except athletic	37.6	37.2	35.1	35.6	-	1.0	.8	.9	.9	-
3144	Women's footwear, except athletic	34.7	33.8	33.8	33.5	-	.8	.7	.9	.8	-
316	Luggage	39.2	37.6	33.1	34.6	-	1.7	1.0	.8	.9	-
317	Handbags and personal leather goods	35.8	35.1	36.5	36.1	-	1.5	1.1	.9	.8	-
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	39.4	39.3	39.2	38.9	39.0	-	-	-	-	-
	<b>RAILROAD TRANSPORTATION:</b>										
4011	Class 1 railroads	43.1	43.0	43.9	-	-	-	-	-	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>	33.5	33.6	33.2	33.7	-	-	-	-	-	-
411	Local and suburban transportation	38.7	39.2	39.6	39.4	-	-	-	-	-	-
413	Intercity highway transportation	32.2	34.2	34.8	34.1	-	-	-	-	-	-
42	<b>TRUCKING AND WAREHOUSING</b>	39.1	38.8	38.6	38.4	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	39.2	38.8	38.7	38.5	-	-	-	-	-	-
422	Public warehousing	38.2	38.1	37.6	37.4	-	-	-	-	-	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b>	42.3	42.9	41.9	41.0	-	-	-	-	-	-
48	<b>COMMUNICATION</b>	39.4	39.7	39.1	38.8	-	-	-	-	-	-
481	Telephone communication	39.7	40.0	39.3	38.9	-	-	-	-	-	-
4817	Switchboard operating employees	32.8	35.1	33.6	32.6	-	-	-	-	-	-
4818	Line construction employees	42.7	43.0	42.5	42.0	-	-	-	-	-	-
483	Radio and television broadcasting	37.9	37.9	37.3	37.4	-	-	-	-	-	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	41.4	41.6	41.5	41.2	-	-	-	-	-	-
491	Electric services	41.9	42.2	41.8	41.6	-	-	-	-	-	-
492	Gas production and distribution	40.9	40.9	41.2	40.7	-	-	-	-	-	-
493	Combination utility services	41.2	41.5	41.6	41.3	-	-	-	-	-	-
495	Sanitary services	40.7	40.9	40.5	40.5	-	-	-	-	-	-
-	<b>WHOLESALE AND RETAIL TRADE</b>	31.9	32.1	31.5	31.5	31.5	-	-	-	-	-
50, 51	<b>WHOLESALE TRADE</b>	38.5	38.5	38.2	38.2	38.1	-	-	-	-	-
50	<b>WHOLESALE TRADE-DURABLE GOODS</b>	38.9	38.8	38.5	38.7	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	38.6	38.6	37.7	37.8	-	-	-	-	-	-
502	Furniture and home furnishings	37.3	36.9	37.1	37.4	-	-	-	-	-	-
503	Lumber and construction materials	38.5	38.9	37.8	38.2	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	37.6	37.2	37.5	37.9	-	-	-	-	-	-

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. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
	<b>WHOLESALE TRADE-DURABLE GOODS—Continued</b>										
505	Metals and minerals, except petroleum .....	\$345.14	\$344.20	\$352.17	\$352.80	-	\$8.65	\$8.67	\$9.03	\$9.00	-
506	Electrical goods .....	307.32	306.14	333.37	334.90	-	7.88	7.87	8.57	8.50	-
507	Hardware, plumbing, and heating equipment .....	264.58	265.80	285.99	283.36	-	6.89	6.94	7.39	7.36	-
508	Machinery, equipment, and supplies .....	299.86	300.66	317.46	318.67	-	7.63	7.67	8.14	8.15	-
509	Miscellaneous durable goods .....	239.17	239.71	245.43	244.67	-	6.18	6.21	6.51	6.49	-
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b>	280.48	283.49	301.98	300.05	-	7.42	7.48	8.01	7.98	-
511	Paper and paper products .....	313.22	310.06	323.76	326.63	-	8.42	8.38	8.68	8.71	-
512	Drugs, proprietaries, and sundries .....	288.97	291.51	312.41	311.58	-	7.81	7.90	8.63	8.56	-
513	Apparel, piece goods, and notions .....	245.81	248.64	264.24	262.07	-	6.59	6.72	7.20	7.18	-
514	Groceries and related products .....	280.46	283.49	304.29	302.73	-	7.40	7.48	8.05	8.03	-
516	Chemicals and allied products .....	349.38	345.93	363.72	354.41	-	8.89	8.87	9.35	9.32	-
517	Petroleum and petroleum products .....	353.42	356.80	379.29	376.20	-	8.97	8.92	9.53	9.50	-
518	Beer, wine, and distilled beverages .....	312.06	324.12	331.60	333.43	-	8.48	8.76	9.06	9.11	-
519	Miscellaneous nondurable goods .....	232.26	235.62	248.25	245.80	-	6.08	6.12	6.55	6.52	-
52-59	<b>RETAIL TRADE</b>	154.96	156.60	159.64	159.64	\$160.78	5.20	5.22	5.43	5.43	\$5.45
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b>	204.79	206.45	209.56	210.63	-	5.58	5.61	5.87	5.90	-
521	Lumber and other building materials .....	226.79	229.31	225.20	228.51	-	5.83	5.91	6.07	6.11	-
525	Hardware stores .....	164.67	167.15	176.21	176.35	-	4.96	4.96	5.26	5.28	-
53	<b>GENERAL MERCHANDISE STORES</b>	145.80	149.14	149.29	151.97	-	5.08	5.09	5.37	5.37	-
531	Department stores .....	150.72	154.18	154.57	157.36	-	5.27	5.28	5.58	5.58	-
533	Variety stores .....	119.19	122.96	117.87	120.98	-	4.11	4.14	4.24	4.26	-
539	Misc. general merchandise stores .....	125.04	127.44	125.28	127.45	-	4.21	4.22	4.35	4.35	-
54	<b>FOOD STORES</b>	207.10	213.78	216.55	215.63	-	5.79	6.83	7.10	7.14	-
541	Grocery stores .....	215.82	223.32	224.60	224.66	-	7.03	7.08	7.34	7.39	-
546	Retail bakeries .....	136.12	140.45	141.49	139.73	-	4.81	4.86	4.93	4.92	-
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b>	226.88	228.75	232.50	232.87	-	6.05	6.10	6.25	6.26	-
551, 2	New and used car dealers .....	271.10	271.81	272.16	274.78	-	7.06	7.06	7.20	7.25	-
553	Auto and home supply stores .....	219.35	228.10	233.44	232.00	-	5.47	5.66	5.88	5.80	-
554	Gasoline service stations .....	168.38	170.02	175.79	174.59	-	4.77	4.83	4.98	4.96	-
56	<b>APPAREL AND ACCESSORY STORES</b>	128.24	134.78	134.55	134.48	-	4.58	4.68	4.84	4.82	-
561	Men's and boys' clothing and furnishings .....	162.65	169.28	168.48	164.46	-	5.23	5.29	5.47	5.41	-
562	Women's ready-to-wear stores .....	115.24	117.66	118.82	120.06	-	4.30	4.31	4.45	4.48	-
565	Family clothing stores .....	125.66	129.15	132.62	133.36	-	4.52	4.50	4.84	4.78	-
566	Shoe stores .....	130.29	148.89	136.77	138.00	-	4.67	5.03	5.01	5.00	-
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b>	201.34	199.28	210.40	210.86	-	5.87	5.81	6.17	6.22	-
571	Furniture and home furnishings stores .....	200.90	200.31	208.76	207.93	-	5.84	5.84	6.14	6.17	-
572	Household appliance stores .....	215.78	215.42	218.44	221.15	-	6.13	6.12	6.35	6.41	-
573	Radio, television, and music stores .....	194.30	187.04	210.60	212.16	-	5.80	5.55	6.14	6.24	-
58	<b>EATING AND DRINKING PLACES<sup>5</sup></b>	101.01	101.14	104.09	104.23	-	3.90	3.92	4.05	4.04	-
59	<b>MISCELLANEOUS RETAIL</b>	157.99	158.69	165.62	163.94	-	5.08	5.07	5.36	5.34	-
591	Drug stores and proprietary stores .....	134.78	134.96	143.00	143.29	-	4.68	4.67	5.00	5.01	-
594	Miscellaneous shopping goods stores .....	142.71	143.93	148.90	149.10	-	4.71	4.75	4.98	4.97	-
596	Nonstore retailers .....	197.47	195.95	198.86	199.80	-	5.93	5.92	6.10	6.11	-
598	Fuel and ice dealers .....	261.32	256.32	287.34	271.74	-	6.77	6.71	7.33	7.17	-
599	Retail stores, nec .....	166.59	170.84	177.95	172.48	-	5.11	5.01	5.36	5.39	-
-	<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>6</sup></b>	225.32	225.06	239.64	238.92	239.70	6.19	6.20	6.62	6.60	6.64
60	<b>BANKING</b>	194.14	193.98	208.21	206.59	-	5.29	5.30	5.72	5.65	-
602	Commercial and stock savings banks .....	190.84	190.32	205.30	203.31	-	5.20	5.20	5.64	5.57	-
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b>	204.80	202.03	215.43	215.28	-	5.55	5.49	5.87	5.85	-
612	Savings and loan associations .....	191.63	188.40	199.10	198.56	-	5.25	5.19	5.50	5.47	-
614	Personal credit institutions .....	204.61	202.94	219.04	218.52	-	5.53	5.47	5.92	5.89	-
63	<b>INSURANCE CARRIERS</b>	255.07	255.82	280.87	282.37	-	6.82	6.84	7.51	7.55	-
631	Life insurance .....	263.71	265.13	294.75	296.63	-	7.07	7.07	7.86	7.91	-
632	Medical service and health insurance .....	243.58	240.33	267.02	265.62	-	6.41	6.35	6.99	6.99	-
633	Fire, marine, and casualty insurance .....	249.75	250.18	271.95	273.06	-	6.75	6.78	7.35	7.38	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
	<b>WHOLESALE TRADE-DURABLE GOODS—Continued</b>										
505	Metals and minerals, except petroleum .....	39.9	39.7	39.0	39.2	-	-	-	-	-	
506	Electrical goods .....	39.0	38.9	38.9	39.4	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment .....	38.4	38.3	38.7	38.5	-	-	-	-	-	
508	Machinery, equipment, and supplies .....	39.3	39.2	39.0	39.1	-	-	-	-	-	
509	Miscellaneous durable goods .....	38.7	38.6	37.7	37.7	-	-	-	-	-	
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b>	37.8	37.9	37.7	37.6	-	-	-	-	-	
511	Paper and paper products .....	37.2	37.0	37.3	37.5	-	-	-	-	-	
512	Drugs, proprietaries, and sundries .....	37.0	36.9	36.2	36.4	-	-	-	-	-	
513	Apparel, piece goods, and notions .....	37.3	37.0	36.7	36.5	-	-	-	-	-	
514	Groceries and related products .....	37.9	37.9	37.8	37.7	-	-	-	-	-	
516	Chemicals and allied products .....	39.3	39.0	38.9	39.1	-	-	-	-	-	
517	Petroleum and petroleum products .....	39.4	40.0	39.8	39.6	-	-	-	-	-	
518	Beer, wine, and distilled beverages .....	36.8	37.0	36.6	36.6	-	-	-	-	-	
519	Miscellaneous nondurable goods .....	38.2	38.5	37.9	37.7	-	-	-	-	-	
52-59	<b>RETAIL TRADE</b> .....	29.8	30.0	29.4	29.4	29.5	-	-	-	-	
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	36.7	36.8	35.7	35.7	-	-	-	-	-	
521	Lumber and other building materials .....	38.9	38.8	37.1	37.4	-	-	-	-	-	
525	Hardware stores .....	33.2	33.7	33.5	33.4	-	-	-	-	-	
53	<b>GENERAL MERCHANDISE STORES</b> .....	28.7	29.3	27.8	28.3	-	-	-	-	-	
531	Department stores .....	28.6	29.2	27.7	28.2	-	-	-	-	-	
533	Variety stores .....	29.0	29.7	27.8	28.4	-	-	-	-	-	
539	Misc. general merchandise stores .....	29.7	30.2	28.8	29.3	-	-	-	-	-	
54	<b>FOOD STORES</b> .....	30.5	31.3	30.5	30.2	-	-	-	-	-	
541	Grocery stores .....	30.7	31.5	30.6	30.4	-	-	-	-	-	
546	Retail bakeries .....	28.3	28.9	28.7	28.4	-	-	-	-	-	
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	37.5	37.5	37.2	37.2	-	-	-	-	-	
551.2	New and used car dealers .....	38.4	38.5	37.8	37.9	-	-	-	-	-	
553	Auto and home supply stores .....	40.1	40.3	39.7	40.0	-	-	-	-	-	
554	Gasoline service stations .....	35.3	35.2	35.3	35.2	-	-	-	-	-	
56	<b>APPAREL AND ACCESSORY STORES</b> .....	28.0	28.8	27.8	27.9	-	-	-	-	-	
561	Men's and boys' clothing and furnishings .....	31.1	32.0	30.8	30.4	-	-	-	-	-	
562	Women's ready-to-wear stores .....	26.8	27.3	26.7	26.8	-	-	-	-	-	
565	Family clothing stores .....	27.8	28.7	27.4	27.9	-	-	-	-	-	
566	Shoe stores .....	27.9	29.6	27.3	27.6	-	-	-	-	-	
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b> .....	34.3	34.3	34.1	33.9	-	-	-	-	-	
571	Furniture and home furnishings stores .....	34.4	34.3	34.0	33.7	-	-	-	-	-	
572	Household appliance stores .....	35.2	35.2	34.4	34.5	-	-	-	-	-	
573	Radio, television, and music stores .....	33.5	33.7	34.3	34.0	-	-	-	-	-	
58	<b>EATING AND DRINKING PLACES</b> .....	25.9	25.8	25.7	25.8	-	-	-	-	-	
59	<b>MISCELLANEOUS RETAIL</b> .....	31.1	31.3	30.9	30.7	-	-	-	-	-	
591	Drug stores and proprietary stores .....	28.8	28.9	28.6	28.6	-	-	-	-	-	
594	Miscellaneous shopping goods stores .....	30.3	30.3	29.9	30.0	-	-	-	-	-	
596	Nonstore retailers .....	33.3	33.1	32.6	32.7	-	-	-	-	-	
598	Fuel and ice dealers .....	38.6	38.2	39.2	37.9	-	-	-	-	-	
599	Retail stores, nec .....	32.6	34.1	33.2	32.0	-	-	-	-	-	
-	<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	36.4	36.3	36.2	36.2	36.1	-	-	-	-	
60	<b>BANKING</b> .....	36.7	36.6	36.4	36.5	-	-	-	-	-	
602	Commercial and stock savings banks .....	36.7	36.6	36.4	36.5	-	-	-	-	-	
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	36.9	36.8	36.7	36.8	-	-	-	-	-	
612	Savings and loan associations .....	36.5	36.3	36.2	36.3	-	-	-	-	-	
614	Personal credit institutions .....	37.0	37.1	37.0	37.1	-	-	-	-	-	
63	<b>INSURANCE CARRIERS</b> .....	37.4	37.4	37.4	37.4	-	-	-	-	-	
631	Life insurance .....	37.3	37.5	37.5	37.5	-	-	-	-	-	
632	Medical service and health insurance .....	38.0	37.8	38.2	38.0	-	-	-	-	-	
633	Fire, marine, and casualty insurance .....	37.0	36.9	37.0	37.0	-	-	-	-	-	

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
-	<b>SERVICES</b> .....	\$205.05	\$205.38	\$220.68	\$220.03	\$220.63	\$6.29	\$6.30	\$6.79	\$6.77	\$6.79
	<b>HOTELS AND OTHER LODGING PLACES:</b>										
701	Hotels, motels, and tourist courts .....	145.01	143.45	152.21	150.70	-	4.77	4.75	5.04	4.99	-
	<b>PERSONAL SERVICES:</b>										
721	Laundry, cleaning, and garment services .....	159.60	162.72	165.99	167.31	-	4.75	4.80	5.03	5.07	-
723	Beauty shops .....	142.14	145.35	139.17	145.13	-	4.63	4.75	4.67	4.87	-
73	<b>BUSINESS SERVICES</b> .....	212.83	210.59	225.66	225.37	-	6.43	6.44	6.88	6.85	-
731	Advertising .....	311.87	313.45	317.20	318.62	-	8.81	8.78	8.91	8.90	-
734	Services to buildings .....	149.06	146.88	146.28	146.60	-	5.48	5.42	5.52	5.47	-
737	Computer and data processing services .....	281.55	288.77	319.02	314.16	-	7.63	7.68	8.53	8.40	-
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	236.76	240.03	250.95	251.33	-	6.28	6.35	6.71	6.72	-
753	Automotive repair shops .....	263.35	267.74	279.41	279.69	-	6.77	6.83	7.22	7.19	-
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	289.14	290.30	305.34	304.92	-	7.51	7.56	7.89	7.92	-
78	<b>MOTION PICTURES</b> .....	248.24	219.56	250.80	248.52	-	9.06	8.51	9.50	9.67	-
781	Motion picture production and services .....	495.50	474.53	516.52	508.49	-	12.87	12.93	13.96	14.57	-
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	173.16	181.80	183.75	176.51	-	5.93	6.06	6.25	6.15	-
80	<b>HEALTH SERVICES</b> .....	201.39	202.09	221.38	221.38	-	6.14	6.18	6.77	6.77	-
801	Offices of physicians .....	208.33	210.28	213.41	211.84	-	6.41	6.47	6.69	6.62	-
802	Offices of dentists .....	175.89 <sup>1</sup>	174.56	185.46	186.97	-	6.15	6.19	6.60	6.63	-
805	Nursing and personal care facilities .....	138.26	138.43	148.82	147.73	-	4.46	4.48	4.77	4.75	-
806	Hospitals .....	222.05	224.08	249.22	249.50	-	6.55	6.61	7.33	7.36	-
81	<b>LEGAL SERVICES</b> .....	273.94	270.83	290.02	291.33	-	8.01	7.85	8.48	8.42	-
89	<b>MISCELLANEOUS SERVICES</b> .....	353.72	354.77	382.78	385.53	-	9.14	9.12	9.84	9.81	-
891	Engineering and architectural services .....	386.23	389.22	424.93	427.00	-	9.98	9.98	10.84	10.81	-
893	Accounting, auditing, and bookkeeping .....	306.86	303.60	322.78	326.84	-	7.71	7.59	8.11	8.09	-

<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 non-supervisory 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 non-supervisory employees in establishments reporting hours and earnings data.

<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 1980 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustment" in the Explanatory notes of this publication.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
-	<b>SERVICES</b> .....	32.6	32.6	32.5	32.5	32.5	-	-	-	-	-
701	<b>HOTELS AND OTHER LODGING PLACES:</b> Hotels, motels, and tourist courts <sup>5</sup> .....	30.4	30.2	30.2	30.2	-	-	-	-	-	-
	<b>PERSONAL SERVICES:</b>										
721	Laundry, cleaning, and garment services .....	33.6	33.9	33.0	33.0	-	-	-	-	-	
723	Beauty shops <sup>5</sup> .....	30.7	30.6	29.8	29.8	-	-	-	-	-	
73	<b>BUSINESS SERVICES</b> .....	33.1	32.7	32.8	32.9	-	-	-	-	-	
731	Advertising .....	35.4	35.7	35.6	35.8	-	-	-	-	-	
734	Services to buildings .....	27.2	27.1	26.5	26.8	-	-	-	-	-	
737	Computer and data processing services .....	36.9	37.6	37.4	37.4	-	-	-	-	-	
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	37.7	37.8	37.4	37.4	-	-	-	-	-	
753	Automotive repair shops .....	38.9	39.2	38.7	38.9	-	-	-	-	-	
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	38.5	38.4	38.7	38.5	-	-	-	-	-	
78	<b>MOTION PICTURES</b> .....	27.4	25.8	26.4	25.7	-	-	-	-	-	
781	Motion picture production and services .....	38.5	36.7	37.0	34.9	-	-	-	-	-	
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	29.2	30.0	29.4	28.7	-	-	-	-	-	
80	<b>HEALTH SERVICES</b> .....	32.8	32.7	32.7	32.7	-	-	-	-	-	
801	Offices of physicians .....	32.5	32.5	31.9	32.0	-	-	-	-	-	
802	Offices of dentists .....	28.6	28.2	28.1	28.2	-	-	-	-	-	
805	Nursing and personal care facilities .....	31.0	30.9	31.2	31.1	-	-	-	-	-	
806	Hospitals .....	33.9	33.9	34.0	33.9	-	-	-	-	-	
81	<b>LEGAL SERVICES</b> .....	34.2	34.5	34.2	34.6	-	-	-	-	-	
89	<b>MISCELLANEOUS SERVICES</b> .....	38.7	38.9	38.9	39.3	-	-	-	-	-	
891	Engineering and architectural services .....	38.7	39.0	39.2	39.5	-	-	-	-	-	
893	Accounting, auditing, and bookkeeping .....	39.8	40.0	39.8	40.4	-	-	-	-	-	

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

Major industry group	Average hourly earnings excluding overtime <sup>1</sup>				
	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
<b>MANUFACTURING</b> .....	\$7.53	\$7.62	\$8.09	\$8.12	\$8.17
<b>DURABLE GOODS</b> .....	8.04	8.12	8.64	8.66	8.69
Lumber and wood products .....	6.56	6.60	7.08	7.06	-
Furniture and fixtures .....	5.62	5.66	6.07	6.09	-
Stone, clay, and glass products .....	7.59	7.75	8.31	8.31	-
Primary metal industries .....	10.13	10.35	10.89	10.89	-
Fabricated metal products .....	7.74	7.81	8.35	8.40	-
Machinery, except electrical .....	8.29	8.36	8.92	8.91	-
Electric and electronic equipment .....	7.27	7.32	7.82	7.88	-
Transportation equipment .....	9.70	9.76	10.43	10.49	-
Instruments and related products .....	7.03	7.08	7.77	7.83	-
Miscellaneous manufacturing industries .....	5.71	5.78	6.20	6.23	-
<b>NONDURABLE GOODS</b> .....	6.77	6.86	7.32	7.34	7.43
Food and kindred products .....	6.99	7.07	7.44	7.49	-
Tobacco manufactures .....	8.49	8.77	9.36	9.52	-
Textile mill products .....	5.16	5.19	5.60	5.61	-
Apparel and other textile products .....	4.86	4.90	5.07	5.09	-
Paper and allied products .....	7.90	7.97	8.59	8.63	-
Printing and publishing .....	7.77	7.81	8.34	8.36	-
Chemicals and allied products .....	8.51	8.61	9.36	9.36	-
Petroleum and coal products .....	10.78	10.91	11.81	11.76	-
Rubber and misc. plastics products .....	6.81	6.91	7.35	7.32	-
Leather and leather products .....	4.81	4.86	5.13	5.14	-

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

P=preliminary.

**C-4. Gross average weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry division, in current and constant (1977) dollars.**

Industry	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
<b>TOTAL PRIVATE:</b>					
Current dollars .....	\$249.92	\$250.98	\$261.99	\$261.64	\$261.58
Constant (1977) dollars .....	171.06	170.73	168.05	168.15	-
<b>MINING:</b>					
Current dollars .....	416.66	422.92	463.28	464.97	460.31
Constant (1977) dollars .....	285.19	287.70	297.16	298.82	-
<b>CONSTRUCTION:</b>					
Current dollars .....	388.37	384.87	402.70	416.97	406.16
Constant (1977) dollars .....	265.82	261.82	258.31	267.98	-
<b>MANUFACTURING:</b>					
Current dollars .....	311.22	312.84	326.93	326.49	325.08
Constant (1977) dollars .....	213.02	212.82	209.70	209.83	-
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>					
Current dollars .....	371.15	374.92	399.45	394.45	397.41
Constant (1977) dollars .....	254.04	255.05	256.22	253.50	-
<b>WHOLESALE AND RETAIL TRADE:</b>					
Current dollars .....	186.62	188.43	194.04	193.73	194.36
Constant (1977) dollars .....	127.73	128.18	124.46	124.51	-
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>					
Current dollars .....	225.32	225.06	239.64	238.92	239.70
Constant (1977) dollars .....	154.22	153.10	153.71	153.55	-
<b>SERVICES:</b>					
Current dollars .....	205.05	205.38	220.68	220.03	220.68
Constant (1977) dollars .....	140.35	139.71	141.55	141.41	-

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

P=preliminary.



# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-5. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry division and major manufacturing group

(1977=100)

Industry division and group	Jan. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
	Hours				
<b>TOTAL PRIVATE</b> .....	106.6	107.5	104.0	104.2	104.2
<b>GOODS-PRODUCING</b> .....	100.5	100.7	92.5	92.6	91.4
<b>MINING</b> .....	126.1	110.8	135.1	135.5	132.4
<b>CONSTRUCTION</b> .....	104.8	110.4	89.6	94.8	96.3
<b>MANUFACTURING</b> .....	98.4	98.4	91.1	90.2	88.5
<b>DURABLE GOODS</b> .....	99.3	99.5	90.0	89.3	87.3
Lumber and wood products .....	89.5	91.0	76.5	76.4	76.6
Furniture and fixtures .....	99.1	98.9	91.8	91.0	89.2
Stone, clay, and glass products .....	90.5	93.6	78.3	80.0	81.1
Primary metal industries .....	95.2	96.4	89.1	77.9	75.8
Fabricated metal products .....	96.9	96.5	86.7	86.3	84.0
Machinery, except electrical .....	111.5	110.4	105.3	102.8	99.0
Electric and electronic equipment .....	107.7	107.3	102.3	100.8	99.4
Transportation equipment .....	90.2	90.8	78.4	79.4	77.3
Instruments and related products .....	112.0	110.6	107.8	107.8	104.7
Miscellaneous manufacturing industries .....	90.1	90.3	85.3	86.1	84.2
<b>NONDURABLE GOODS</b> .....	97.1	96.8	92.7	91.6	90.3
Food and kindred products .....	93.2	93.4	93.3	91.8	89.6
Tobacco manufactures .....	90.4	86.5	95.1	86.5	81.6
Textile mill products .....	91.4	89.9	81.3	78.4	78.0
Apparel and other textile products .....	95.1	93.8	89.7	89.0	86.2
Paper and allied products .....	98.9	99.1	94.7	94.0	94.1
Printing and publishing .....	108.2	108.0	108.8	109.5	107.7
Chemicals and allied products .....	101.4	101.8	96.7	95.9	95.1
Petroleum and coal products .....	99.3	103.7	87.9	88.5	91.0
Rubber and misc. plastics products .....	101.2	101.3	95.3	93.8	93.6
Leather and leather products .....	88.7	88.0	77.7	77.9	78.3
<b>SERVICE-PRODUCING</b> .....	109.9	111.3	110.3	110.6	111.3
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	104.1	104.5	101.8	101.0	101.4
<b>WHOLESALE AND RETAIL TRADE</b> .....	104.0	105.7	104.0	104.3	104.8
<b>WHOLESALE TRADE</b> .....	110.2	110.7	108.5	108.7	108.3
<b>RETAIL TRADE</b> .....	101.6	103.9	102.3	102.7	103.5
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	116.7	117.3	117.1	117.2	116.8
<b>SERVICES</b> .....	117.3	118.7	119.0	119.8	121.1

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

p preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

(1977=100)

Industry division and group	Mar. 1981	Apr. 1981	Feb. 1982	Mar. 1982P	Apr. 1982P
	Payrolls				
<b>TOTAL PRIVATE</b> .....	144.1	146.1	149.5	149.8	150.2
<b>GOODS-PRODUCING</b> .....	137.0	138.4	135.0	135.8	134.6
<b>MINING</b> .....	178.8	154.8	207.2	207.6	203.7
<b>CONSTRUCTION</b> .....	134.9	142.1	124.8	132.1	133.4
<b>MANUFACTURING</b> .....	135.2	136.5	133.7	132.7	130.9
<b>DURABLE GOODS</b> .....	136.3	137.8	131.8	131.0	128.3
Lumber and wood products .....	119.2	122.0	109.2	108.6	108.0
Furniture and fixtures .....	131.6	131.8	130.6	130.0	127.5
Stone, clay, and glass products .....	123.7	130.7	116.5	119.1	121.5
Primary metal industries .....	135.2	140.1	121.2	117.4	115.7
Fabricated metal products .....	131.5	131.6	125.8	126.1	123.4
Machinery, except electrical .....	153.6	152.9	155.1	151.0	145.2
Electric and electronic equipment .....	149.3	149.5	151.9	150.7	149.3
Transportation equipment .....	124.7	126.4	115.7	117.6	114.2
Instruments and related products .....	153.0	151.4	162.0	163.3	159.1
Miscellaneous manufacturing industries .....	120.8	122.3	123.7	125.5	123.5
<b>NONDURABLE GOODS</b> .....	133.3	134.2	137.0	135.7	135.5
Food and kindred products .....	126.5	128.1	134.6	133.0	131.7
Tobacco manufactures .....	140.4	138.9	163.2	150.1	146.4
Textile mill products .....	122.8	121.0	117.6	113.4	113.5
Apparel and other textile products .....	129.6	128.3	127.4	126.9	123.9
Paper and allied products .....	137.8	139.2	143.0	142.4	144.2
Printing and publishing .....	141.6	141.8	152.8	154.3	152.5
Chemicals and allied products .....	139.4	141.5	145.4	144.1	144.7
Petroleum and coal products .....	142.4	151.0	137.7	137.8	144.8
Rubber and misc. plastics products .....	138.4	140.0	140.0	137.0	138.0
Leather and leather products .....	120.5	120.3	112.3	112.8	113.6
<b>SERVICE-PRODUCING</b> .....	149.1	151.5	159.7	159.7	161.2
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	140.2	142.6	148.3	146.5	147.8
<b>WHOLESALE AND RETAIL TRADE</b> .....	142.3	145.2	149.8	150.1	151.3
<b>WHOLESALE TRADE</b> .....	151.8	153.4	160.0	160.0	160.2
<b>RETAIL TRADE</b> .....	137.2	140.8	144.3	144.8	146.5
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	159.1	160.1	170.8	170.4	170.7
<b>SERVICES</b> .....	158.7	160.8	173.8	174.4	176.8

**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED HOURS**

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

Industry	1981									1982			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. <sup>1)</sup>	Apr. <sup>1)</sup>
<b>TOTAL PRIVATE</b> .....	35.4	35.3	35.2	35.3	35.2	34.9	35.0	35.0	34.9	34.2	35.0	34.9	34.8
<b>MINING</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>CONSTRUCTION</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>MANUFACTURING</b> .....	40.2	40.3	40.1	40.0	40.0	39.3	39.5	39.3	39.0	37.3	39.5	39.0	39.1
<i>Overtime hours</i> .....	2.9	3.2	3.0	3.0	3.0	2.7	2.7	2.5	2.4	2.3	2.4	2.3	2.4
<b>DURABLE GOODS</b> .....	40.8	40.8	40.5	40.5	40.5	39.7	39.9	39.7	39.3	37.9	39.9	39.4	39.5
<i>Overtime hours</i> .....	3.0	3.2	3.0	3.0	3.0	2.6	2.6	2.4	2.4	2.2	2.2	2.1	2.2
Lumber and wood products .....	39.6	39.8	39.0	38.8	38.6	37.3	37.6	37.5	37.6	34.6	38.2	37.9	38.0
Furniture and fixtures .....	38.8	39.0	38.9	38.5	38.6	37.5	38.1	37.7	37.7	32.6	37.6	37.4	37.7
Stone, clay, and glass products .....	41.2	41.0	40.8	40.9	40.8	40.3	40.0	40.0	39.5	38.3	40.2	39.8	40.1
Primary metal industries .....	41.2	41.0	40.8	40.5	40.7	40.6	39.8	39.7	39.2	38.4	39.6	38.8	38.4
Fabricated metal products .....	40.9	40.9	40.7	40.5	40.5	39.5	40.0	39.6	39.2	37.9	39.6	39.3	39.6
Machinery, except electrical .....	41.3	41.4	41.1	41.1	41.2	40.3	40.7	40.6	40.3	39.0	40.7	40.1	40.2
Electric and electronic equipment .....	40.2	40.4	40.2	40.5	40.4	39.6	39.9	39.3	39.2	38.1	39.8	39.4	39.5
Transportation equipment .....	42.0	41.8	41.4	41.2	41.3	39.9	40.5	40.3	39.4	38.7	40.9	40.4	41.5
Instruments and related products .....	40.1	40.4	40.4	40.5	40.8	40.5	40.4	40.3	39.9	38.6	40.0	40.0	39.5
Miscellaneous manufacturing ind .....	38.9	39.2	39.1	39.2	39.1	38.4	39.0	39.0	38.4	36.9	38.7	38.5	38.6
<b>NONDURABLE GOODS</b> .....	39.3	39.6	39.4	39.3	39.3	38.9	39.0	38.8	38.6	36.4	38.9	38.5	38.4
<i>Overtime hours</i> .....	2.9	3.1	3.0	2.9	2.9	2.8	2.8	2.7	2.4	2.4	2.6	2.5	2.6
Food and kindred products .....	40.1	40.0	39.8	39.4	39.4	39.2	39.5	39.6	39.8	39.1	40.3	39.8	39.7
Tobacco manufactures .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products .....	39.8	40.5	40.2	40.4	40.3	38.9	39.3	38.8	37.8	31.3	38.1	37.5	37.4
Apparel and other textile products .....	35.5	36.0	36.1	35.9	36.1	35.2	35.7	35.6	35.1	30.7	35.4	35.0	34.9
Paper and allied products .....	42.6	42.8	42.7	42.7	42.7	43.1	42.4	41.9	41.8	41.2	42.2	41.7	42.2
Printing and publishing .....	37.3	37.6	37.4	37.3	37.3	37.1	37.1	36.9	37.2	36.5	37.4	37.1	36.8
Chemicals and allied products .....	41.5	41.7	41.7	41.8	41.7	42.3	41.5	41.3	41.3	40.8	41.2	40.7	40.4
Petroleum and coal products .....	44.1	43.8	43.4	43.1	42.8	43.3	42.1	42.3	42.6	44.3	43.5	43.4	42.8
Rubber and misc. plastics products .....	40.7	41.3	41.0	40.5	40.6	39.6	40.0	39.6	39.4	37.8	40.0	39.5	39.7
Leather and leather products .....	36.6	37.1	37.4	36.5	36.9	36.1	36.8	36.7	36.1	33.6	35.5	35.8	35.4
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>WHOLESALE AND RETAIL TRADE</b> .....	32.3	32.1	32.1	32.2	32.1	32.1	31.9	32.0	31.9	31.6	31.9	31.8	31.8
<b>WHOLESALE TRADE</b> .....	38.6	38.5	38.5	38.7	38.6	38.5	38.5	38.6	38.4	38.0	38.5	38.3	38.2
<b>RETAIL TRADE</b> .....	30.3	30.1	30.1	30.1	30.1	30.1	29.9	29.9	29.9	29.6	29.9	29.8	29.8
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>SERVICES</b> .....	32.8	32.7	32.5	32.5	32.4	32.4	32.5	32.6	32.7	32.5	32.7	32.7	32.7

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

<sup>1)</sup> preliminary

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

# ESTABLISHMENT DATA SEASONALLY ADJUSTED

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

(1977=100)

Industry division and group	1981									1982			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. P	Apr. P
<b>TOTAL PRIVATE</b> .....	108.9	108.9	108.7	109.4	109.2	108.6	108.4	108.0	105.9	104.3	107.0	106.1	105.7
<b>GOODS-PRODUCING</b> .....	102.8	103.1	102.6	103.5	103.4	101.1	100.8	99.3	95.8	90.9	96.4	94.6	93.4
<b>MINING</b> .....	112.0	113.3	128.0	136.5	139.8	139.0	140.1	141.1	143.0	137.2	139.0	138.3	134.0
<b>CONSTRUCTION</b> .....	115.8	112.9	109.3	110.9	110.0	105.2	109.8	111.0	108.4	99.1	107.9	106.4	101.6
<b>MANUFACTURING</b> .....	99.9	100.7	100.2	100.5	100.4	98.5	97.2	95.1	92.4	87.2	92.2	90.3	89.9
<b>DURABLE GOODS</b> .....	100.7	101.1	100.6	100.9	100.9	98.6	96.9	94.1	90.8	86.3	90.6	88.7	88.4
Lumber and wood products .....	94.5	96.1	92.9	92.5	89.8	85.5	82.7	79.6	77.5	70.7	79.7	78.6	79.5
Furniture and fixtures .....	100.5	102.6	102.6	102.3	102.3	98.4	98.4	95.1	93.6	79.6	90.8	89.3	90.6
Stone, clay, and glass products .....	94.8	94.5	93.9	94.5	94.6	92.5	90.0	88.2	84.9	79.7	83.7	82.0	82.2
Primary metal industries .....	95.7	94.8	94.6	93.5	94.4	93.6	89.0	86.4	82.3	79.0	80.3	77.6	75.3
Fabricated metal products .....	98.2	98.7	98.4	98.8	98.4	95.5	94.3	91.3	88.0	83.8	87.0	85.5	85.5
Machinery, except electrical .....	110.5	111.8	111.5	111.7	112.9	110.9	111.3	109.1	106.1	100.6	104.1	100.7	99.1
Electric and electronic equipment .....	108.4	109.6	109.2	110.9	110.5	108.2	107.8	103.1	100.5	98.2	102.0	100.1	100.6
Transportation equipment .....	93.3	92.2	91.9	91.1	91.6	88.8	84.7	82.4	76.4	73.9	79.5	78.4	79.4
Instruments and related products .....	110.9	112.0	111.7	113.3	113.9	113.0	112.0	110.4	109.0	104.5	107.5	107.2	105.1
Miscellaneous manufacturing ind .....	92.0	92.4	92.2	95.4	92.8	91.4	92.2	92.2	90.2	84.4	87.9	86.6	85.6
<b>NONDURABLE GOODS</b> .....	98.7	100.1	99.5	99.8	99.5	98.5	97.8	96.4	94.8	88.6	94.5	92.6	92.2
Food and kindred products .....	100.5	100.8	98.1	98.4	96.8	96.3	97.8	98.0	97.8	95.4	99.7	97.7	96.5
Tobacco manufactures .....	96.5	98.4	98.3	103.2	110.1	103.3	98.1	95.8	93.3	95.2	97.6	93.8	90.1
Textile mill products .....	90.7	92.6	92.1	93.7	92.7	89.6	88.7	86.1	82.6	66.8	81.1	77.9	78.9
Apparel and other textile products .....	94.1	96.0	96.8	97.6	97.2	95.0	95.2	94.1	91.4	78.5	90.5	88.3	86.5
Paper and allied products .....	99.9	100.8	100.7	100.9	101.1	103.0	99.2	97.3	95.8	93.8	95.6	94.0	94.8
Printing and publishing .....	108.5	109.5	108.8	108.8	109.3	109.3	109.3	108.4	109.1	107.1	109.7	109.1	108.1
Chemicals and allied products .....	101.2	102.0	102.5	102.4	102.2	103.8	101.0	99.6	98.8	96.5	97.3	95.5	94.7
Petroleum and coal products .....	105.3	105.4	102.9	102.2	100.7	101.1	97.6	97.3	95.4	95.5	93.0	92.8	92.3
Rubber and misc. plastics products .....	102.2	105.3	104.7	103.6	105.0	101.7	100.1	97.0	94.8	90.5	94.9	92.8	94.3
Leather and leather products .....	88.5	90.6	91.4	91.4	91.5	89.5	90.8	89.2	84.6	77.9	78.4	78.6	78.6
<b>SERVICE-PRODUCING</b> .....	112.3	112.0	112.1	112.6	112.5	112.8	112.7	112.8	112.4	111.7	112.9	112.4	112.5
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	105.4	104.9	106.2	106.0	105.2	105.5	104.0	104.7	103.2	102.0	103.4	102.3	102.9
<b>WHOLESALE AND RETAIL TRADE</b> .....	107.2	106.9	107.0	107.8	107.9	108.0	107.7	107.3	106.5	105.9	107.6	106.9	106.6
<b>WHOLESALE TRADE</b> .....	111.4	111.4	111.3	112.3	112.1	111.8	111.6	111.3	110.8	108.9	110.3	109.3	108.9
<b>RETAIL TRADE</b> .....	105.6	105.2	105.3	106.0	106.2	106.6	106.2	105.5	104.9	104.7	106.5	106.0	105.8
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	117.8	117.4	117.6	118.1	118.7	118.3	118.5	118.2	118.2	118.0	117.7	118.0	117.4
<b>SERVICES</b> .....	119.3	119.2	118.7	119.3	119.0	119.6	120.1	120.3	121.2	120.4	121.2	121.1	121.6

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

\* Data for the month of April 1982 have been corrected from those published in the news release, The Employment Situation: April 1982.

## ESTABLISHMENT DATA SEASONALLY ADJUSTED

**C-8. Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls, seasonally adjusted**

Industry	1981										1982			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. <sup>p</sup>	Apr. <sup>p</sup>	
<b>Hourly Earnings Index<sup>2</sup> (1977=100)</b>														
TOTAL PRIVATE (In current dollars).....	136.7	137.7	138.4	139.0	140.7	141.5	141.9	143.2	143.5	145.1	145.3	145.7	146.4	
MINING <sup>3</sup> .....	145.7	145.6	147.2	148.9	149.4	151.5	151.3	153.3	153.2	156.0	155.9	155.8	156.8	
CONSTRUCTION.....	129.0	129.4	130.4	131.8	132.5	132.9	134.3	135.4	136.2	140.8	138.2	138.3	137.8	
MANUFACTURING.....	139.9	140.7	141.6	142.5	143.6	144.8	145.5	146.4	147.0	149.0	149.1	149.8	150.8	
TRANSPORTATION AND PUBLIC UTILITIES.....	137.3	138.9	139.8	139.3	141.8	141.7	142.0	144.0	144.4	145.8	146.5	147.2	147.1	
WHOLESALE AND RETAIL TRADE.....	136.4	137.4	137.8	138.4	140.0	141.2	140.5	141.5	141.9	142.3	143.0	143.2	144.0	
FINANCE, INSURANCE, AND REAL ESTATE.....	135.4	136.8	137.1	137.4	140.4	140.3	140.9	143.2	141.8	143.4	143.9	144.9	144.9	
SERVICES.....	134.8	136.0	136.6	136.9	139.4	139.8	140.7	142.6	142.7	143.6	144.0	144.2	145.1	
TOTAL PRIVATE (In 1977 dollars) <sup>4</sup> .....	93.1	93.0	92.9	92.2	92.6	92.1	92.0	92.5	92.3	93.1	92.9	93.5	-	
<b>Average hourly earnings</b>														
TOTAL PRIVATE.....	\$7.14	\$7.18	\$7.23	\$7.26	\$7.34	\$7.37	\$7.39	\$7.45	\$7.45	\$7.52	\$7.53	\$7.54	\$7.56	
MINING.....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	
CONSTRUCTION.....	10.52	10.57	10.69	10.77	10.85	10.88	11.01	11.09	11.16	11.53	11.31	11.35	11.32	
MANUFACTURING.....	7.90	7.95	7.99	8.02	8.08	8.14	8.15	8.18	8.19	8.37	8.33	8.34	8.43	
TRANSPORTATION AND PUBLIC UTILITIES.....	9.57	9.67	9.74	9.71	9.88	9.88	9.89	9.99	10.03	10.15	10.18	10.20	10.22	
WHOLESALE AND RETAIL TRADE.....	5.84	5.89	5.91	5.93	5.99	6.05	6.02	6.05	6.08	6.08	6.09	6.11	6.14	
FINANCE, INSURANCE, AND REAL ESTATE.....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	
SERVICES.....	6.27	6.32	6.38	6.42	6.51	6.52	6.58	6.64	6.65	6.72	6.71	6.72	6.76	
<b>Average weekly earnings</b>														
TOTAL PRIVATE:														
Current dollars.....	252.76	253.45	254.50	256.28	258.37	257.21	258.65	260.75	260.01	257.18	263.55	263.15	263.09	
1977 dollars <sup>5</sup> .....	172.06	171.37	170.92	170.06	170.20	167.45	167.74	168.23	167.21	164.96	168.62	168.79	-	

<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 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.

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

<sup>5</sup> See footnote 2, table C-6.  
p-preliminary.

**C-9. 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 R1982	March R1982	Apr11 P1982	Apr. 1981 to Apr. 1982	Feb. 1982 to Mar. 1982	Mar. 1982 to Apr. 1982
TOTAL.....	170,552	169,437	168,166	-1.4	-0.7	-0.7
PRIVATE SECTOR.....	139,347	138,002	136,748	-2.2	-1.0	-0.9
MINING.....	2,732	2,694	2,619	20.5	-1.4	-2.8
CONSTRUCTION.....	8,093	7,943	7,540	-10.6	-1.9	-5.1
MANUFACTURING.....	40,484	39,780	39,189	-7.0	-1.7	-1.5
DURABLE GOODS.....	24,295	23,894	23,464	-8.4	-1.6	-1.8
NONDURABLE GOODS.....	16,189	15,885	15,726	-4.8	-1.9	-1.0
TRANSPORTATION AND PUBLIC UTILITIES.....	10,459	10,377	10,392	-2.1	-0.8	0.1
WHOLESALE AND RETAIL TRADE.....	35,155	34,819	34,604	-0.7	-1.0	-0.6
FINANCE, INSURANCE, AND REAL ESTATE.....	10,140	10,155	10,084	0.5	0.2	-0.7
SERVICES.....	32,284	32,234	32,320	2.4	-0.2	0.3
GOVERNMENT.....	31,205	31,435	31,418	2.3	0.7	-0.1

<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**

**PRODUCTIVITY  
SEASONALLY ADJUSTED**

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

(1977 = 100)

Item	Annual average		Quarterly indexes										
	1980	1981	1979		1980				1981				1982
			III	IV	I	II	III	IV	I	II	III	IV	I
<b>PRIVATE BUSINESS SECTOR:</b>													
Output per hour of all persons . . . .	99.3	100.4	99.4	99.1	99.5	99.1	99.4	99.1	100.3	101.2	100.9	99.2	p98.9
Output . . . . .	106.8	r109.0	107.7	108.2	108.7	105.4	105.7	107.5	109.5	109.4	107.5	107.5	p106.3
Hours . . . . .	107.5	108.5	108.4	109.1	109.2	106.4	106.3	108.4	109.2	108.2	108.4	108.4	p107.5
Compensation per hour . . . . .	131.5	144.6	120.7	123.2	126.4	130.1	133.1	135.9	139.8	143.3	146.5	148.5	p151.4
Real compensation per hour . . . . .	96.7	96.4	99.2	98.0	96.7	96.6	96.9	96.0	96.1	96.9	96.3	95.8	p 96.9
Unit labor costs . . . . .	132.4	144.0	121.4	124.3	127.0	131.3	133.9	137.1	139.4	141.6	145.2	149.7	p153.0
Unit nonlabor payments . . . . .	118.3	r130.6	111.5	112.2	115.2	116.0	119.7	122.7	127.6	129.3	132.4	r132.6	p129.0
Implicit price deflator . . . . .	127.6	139.4	118.1	120.2	123.0	126.1	129.1	132.2	135.4	137.5	140.9	143.9	p144.9
<b>NONFARM BUSINESS SECTOR:</b>													
Output per hour of all persons . . . .	98.8	99.7	98.9	98.8	98.9	98.2	99.0	99.0	100.0	100.4	99.9	98.2	p 98.3
Output . . . . .	106.8	108.8	107.8	108.2	108.5	105.1	105.8	107.7	109.7	109.4	109.0	106.9	p106.1
Hours . . . . .	108.1	109.1	109.0	109.4	109.7	107.0	106.9	108.8	109.7	109.0	109.1	r108.9	p108.0
Compensation per hour . . . . .	130.8	143.9	120.2	123.0	126.0	129.4	132.3	135.4	139.2	142.4	145.7	147.9	p150.9
Real compensation per hour . . . . .	96.2	95.9	98.8	97.8	96.4	96.0	96.3	95.7	95.7	96.3	95.8	95.4	p 96.6
Unit labor costs . . . . .	132.4	144.3	121.5	124.4	127.4	131.8	133.6	136.8	139.1	141.9	145.8	r150.7	p153.6
Unit nonlabor payments . . . . .	117.6	r130.4	109.2	110.1	113.9	115.1	119.2	122.0	127.8	128.7	132.2	r132.8	p129.2
Implicit price deflator . . . . .	127.4	r139.7	117.4	119.7	122.9	126.3	128.8	131.9	135.3	137.5	141.2	r144.7	p145.5
<b>MANUFACTURING:</b>													
Output per hour of all persons . . . .	101.7	104.5	102.0	102.1	r102.1	r100.8	100.7	r103.1	r103.6	r104.6	r105.0	r102.0	p100.5
Output . . . . .	103.6	106.3	108.5	r108.3	r108.1	r101.7	99.9	r104.9	r106.4	r107.2	r107.2	r101.9	p 98.0
Hours . . . . .	101.9	101.7	106.4	106.0	r105.8	100.9	99.2	101.8	102.7	102.5	102.2	99.9	p 97.5
Compensation per hour . . . . .	131.6	146.2	119.8	122.3	125.4	130.0	133.9	137.3	141.1	144.8	148.0	r150.8	p154.7
Real compensation per hour . . . . .	96.8	97.4	98.5	97.2	96.0	96.5	97.5	97.0	97.1	97.9	97.3	r97.3	p 99.0
Unit labor costs . . . . .	129.4	140.0	117.5	119.8	r122.8	129.0	133.0	r133.2	r136.2	r138.4	r141.0	r147.8	p154.0
<b>DURABLE GOODS</b>													
Output per hour of all persons . . . .	99.7	102.8	100.1	r100.4	r100.0	99.0	98.4	r101.0	r101.7	r103.1	r103.2	r100.1	p 98.3
Output . . . . .	102.9	105.7	109.5	109.1	r108.5	r100.8	r98.0	r104.1	r105.7	r107.0	r106.7	r100.6	p 96.0
Hours . . . . .	103.2	102.8	109.3	108.7	108.4	101.8	99.7	103.0	103.9	103.7	103.3	r100.4	p 97.7
Compensation per hour . . . . .	131.7	146.9	119.3	121.5	125.2	130.0	134.2	137.8	141.7	145.3	148.7	r151.5	p155.5
Real compensation per hour . . . . .	96.9	97.9	98.1	96.6	95.8	96.5	97.7	97.4	97.4	98.3	97.7	97.7	p 99.5
Unit labor costs . . . . .	132.1	r143.6	119.2	121.1	r125.1	r131.3	136.4	r136.4	r139.3	r141.0	r144.0	r151.3	p158.2
<b>NONDURABLE GOODS</b>													
Output per hour of all persons . . . .	104.9	106.9	105.0	104.9	r105.4	r103.5	104.3	r106.3	r106.5	r107.0	r107.6	r104.8	p103.8
Output . . . . .	104.8	107.1	107.0	107.0	107.4	102.9	102.6	r106.2	r107.4	r107.7	r108.1	r103.8	p100.9
Hours . . . . .	99.9	100.2	101.9	102.0	102.0	99.5	98.4	99.9	100.9	100.6	100.5	99.1	p 97.2
Compensation per hour . . . . .	130.9	144.7	119.9	122.9	125.0	129.6	133.3	136.0	139.7	143.3	146.4	149.2	p153.3
Real compensation per hour . . . . .	96.3	96.4	98.5	97.7	95.7	96.2	97.1	96.1	96.1	96.9	96.2	r96.3	p 98.1
Unit labor costs . . . . .	124.8	135.3	114.2	117.2	118.7	125.3	127.8	r127.9	r131.2	133.9	r136.0	r142.4	p147.7
<b>NONFINANCIAL CORPORATIONS:</b>													
Output per all-employee hour . . . .	101.0	103.5	100.5	99.9	100.2	100.1	101.8	101.8	r103.4	r104.0	103.8	p102.4	N.A
Output . . . . .	108.5	112.3	109.4	109.3	109.9	106.8	107.7	109.7	112.8	112.8	112.8	p110.5	N.A
Hours . . . . .	107.5	108.5	108.9	109.4	109.6	106.7	105.8	107.8	109.1	r108.5	r108.6	p108.0	N.A
Compensation per hour . . . . .	130.7	143.9	120.1	122.7	125.7	129.3	132.5	135.5	r139.3	r142.4	145.5	p148.0	N.A
Real compensation per hour . . . . .	96.2	95.9	98.7	97.5	96.2	95.9	96.5	95.7	r95.8	r96.3	r95.7	p95.5	N.A
Total unit costs . . . . .	129.7	140.9	118.2	121.3	124.2	129.2	131.1	134.1	136.0	138.7	142.2	p147.0	N.A
Unit labor costs . . . . .	129.4	r139.0	119.5	122.8	125.4	129.1	130.2	133.1	134.7	137.0	140.2	p144.6	N.A
Unit nonlabor costs . . . . .	130.2	146.1	114.6	117.2	120.9	129.3	133.8	136.9	139.5	143.6	147.7	p153.8	N.A
Unit profits . . . . .	90.2	r103.6	97.5	92.2	95.5	83.4	89.1	92.4	106.8	102.8	106.7	p96.6	N.A
Implicit price deflator . . . . .	125.2	136.7	115.9	118.1	121.0	124.1	126.4	129.5	132.7	134.7	138.2	p141.4	N.A

p=preliminary.  
r=revised.

**PRODUCTIVITY  
SEASONALLY ADJUSTED**

**PRODUCTIVITY  
SEASONALLY ADJUSTED**

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

Item	Quarterly percent change						Annual percent change					
	1980 III	1980 IV	1981 I	1981 II	1981 III	1981 IV	1979 IV	1980 I	1980 II	1980 III	1980 IV	1981 I
	to 1980 IV	to 1981 I	to 1981 II	to 1981 III	to 1981 IV	to 1982 I	to 1980 IV	to 1981 I	to 1981 II	to 1981 III	to 1981 IV	to 1982 I
<b>PRIVATE BUSINESS SECTOR:</b>												
Output per hour of all persons	1.1	4.7	3.5	-1.1	r-6.6	p-1.0	0.0	0.8	2.1	1.5	0.0	p-1.4
Output	6.9	7.9	-0.1	-0.3	-6.8	p-4.2	-0.7	0.8	3.9	3.5	0.0	p-2.9
Hours	8.1	3.0	-3.5	0.8	-0.2	p-3.3	-0.7	0.0	1.7	2.0	0.0	p-1.6
Compensation per hour	8.6	11.9	10.4	9.3	5.5	p8.1	10.3	10.6	10.1	10.1	9.3	p8.3
Real compensation per hour	-3.8	0.5	3.2	-2.3	-2.1	p4.7	-2.0	-0.6	0.3	-0.6	-0.2	p0.8
Unit labor costs	9.8	6.9	6.6	10.6	r13.0	p9.1	10.3	9.7	7.8	8.5	r9.3	p9.8
Unit nonlabor payments	10.2	17.1	5.3	10.1	r0.4	p-10.3	9.3	10.8	11.5	10.6	r8.1	p1.1
Implicit price deflator	9.9	10.0	6.2	10.4	r8.9	p2.8	10.0	10.1	9.0	9.1	r8.9	p7.0
<b>NONFARM BUSINESS SECTOR:</b>												
Output per hour of all persons	-0.2	4.4	1.4	-1.7	r-6.9	p0.3	0.2	1.2	2.3	0.9	-0.8	p-1.8
Output	7.1	7.9	-1.1	-1.4	-7.7	p-3.0	-0.5	1.7	4.1	3.0	-0.7	p-3.3
Hours	7.3	3.4	-2.5	0.4	r-0.9	p-3.3	-0.6	-0.1	1.8	2.1	0.1	p-1.6
Compensation per hour	9.8	11.7	9.6	9.5	r6.3	p8.4	10.1	10.5	10.0	10.2	r9.3	p8.4
Real compensation per hour	-2.7	0.3	2.5	-2.2	r-1.4	p5.0	-2.2	-0.7	0.3	-0.6	-0.2	p0.9
Unit labor costs	10.1	7.0	8.1	11.5	r14.1	p8.1	9.9	9.2	7.6	9.2	10.1	p10.4
Unit nonlabor payments	9.9	20.2	3.0	11.3	r1.8	p-10.2	10.8	12.2	11.8	10.9	8.8	p1.2
Implicit price deflator	r10.0	11.0	6.5	11.4	r10.1	p2.2	10.2	10.1	8.9	9.7	9.7	p7.5
<b>MANUFACTURING:</b>												
Output per hour of all persons	r 9.8	r1.9	r4.1	1.2	r-10.8	p-5.8	r1.0	r1.5	r3.8	r4.2	r-1.1	p-3.0
Output	r21.8	r5.6	3.3	r0.0	-18.5	p-14.6	r-3.1	r-1.6	r 5.5	r7.4	r-2.9	p-7.9
Hours	11.0	3.6	-0.8	-1.2	r-8.7	p-9.3	-4.0	-3.0	1.6	3.0	r-1.9	p-5.1
Compensation per hour	10.5	11.6	10.8	9.3	r 7.6	p10.9	12.3	12.5	11.4	10.5	9.8	p9.6
Real compensation per hour	-2.2	0.2	3.5	-2.4	r -0.2	p7.4	-0.2	1.1	1.5	-0.2	r0.3	p2.0
Unit labor costs	r0.6	r9.5	r6.4	r7.9	20.7	p17.8	r11.2	r10.9	r7.3	r6.0	r11.0	13.0
<b>DURABLE GOODS</b>												
Output per hour of all persons	r11.3	r2.8	r5.6	r0.5	r-11.5	p-7.1	r0.6	r1.7	r4.1	r5.0	r-0.9	p-3.3
Output	r26.9	r6.2	r5.1	r-1.2	r-20.9	p-16.9	r-4.6	r-2.6	r6.1	r8.8	r-3.4	p-9.1
Hours	14.1	3.4	-0.5	-1.7	r-10.7	p-10.6	-5.2	-4.2	1.9	3.6	-2.5	p-6.0
Compensation per hour	11.2	11.8	10.7	9.5	r 7.8	p10.9	13.4	13.2	11.8	10.8	9.9	p9.7
Real compensation per hour	-1.4	0.3	3.5	-2.1	r 0.0	p7.4	0.8	1.7	1.9	0.0	r0.4	p2.1
Unit labor costs	r0.0	r8.7	r4.8	r9.0	r21.7	p19.5	r12.7	r11.3	r7.4	r5.6	r10.9	p13.5
<b>NONDURABLE GOODS</b>												
Output per hour of all persons	r7.9	r0.7	r2.0	r2.4	r-10.0	p-4.0	1.4	r1.1	r3.4	r3.2	r-1.4	p-2.6
Output	r14.9	r4.6	r0.8	r1.8	r-14.9	p-11.0	r-0.7	r0.0	r4.6	r5.4	r-2.2	p-6.1
Hours	6.4	3.9	-1.1	-0.6	r-5.4	p-7.3	-2.1	-1.0	1.1	2.1	r-0.9	p-3.7
Compensation per hour	8.2	11.4	10.7	8.9	r8.0	p11.4	10.6	11.7	10.5	9.8	r9.8	p9.8
Real compensation per hour	-4.2	0.0	3.5	-2.7	r0.2	p7.9	-1.7	0.4	0.7	-0.9	0.2	p2.2
Unit labor costs	r0.2	r10.6	r8.6	r6.4	r20.1	p16.0	r9.1	r10.5	r6.9	r6.4	r-11.3	p12.6
<b>NONFINANCIAL CORPORATIONS:</b>												
Output per all-employee hour	0.0	r6.6	2.2	-0.5	p-5.5	N.A	1.9	r3.2	3.8	2.0	p0.6	N.A
Output	7.9	11.5	0.1	-0.1	p-7.8	N.A	0.4	2.6	5.6	4.7	p0.7	N.A
Hours	7.9	r4.6	-2.0	r0.5	p-2.4	N.A	-1.5	-0.5	r1.7	2.7	p0.1	N.A
Compensation per hour	9.4	r11.7	9.3	r9.1	p 6.9	N.A	10.4	10.8	10.1	r9.9	p9.2	N.A
Real compensation per hour	-3.1	r0.3	2.1	-2.5	p-0.8	N.A	-1.9	r-0.4	r0.4	r-0.8	p-0.3	N.A
Total unit costs	9.4	5.6	8.4	10.3	p14.4	N.A	10.5	9.5	7.4	8.4	p9.6	N.A
Unit labor costs	9.4	4.8	7.0	9.7	p13.2	N.A	8.4	7.4	6.1	7.7	p8.6	N.A
Unit nonlabor costs	9.5	7.9	12.3	11.8	p17.6	N.A	16.8	15.4	11.1	10.4	p12.3	N.A
Unit profits	15.7	77.9	-13.9	15.7	p-32.6	N.A	0.3	11.8	23.3	19.7	p4.5	N.A
Implicit price deflator	9.9	10.4	6.2	10.7	p 9.6	N.A	9.6	9.7	8.6	9.3	p9.2	N.A

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p=preliminary.  
r=revised.

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P
<b>ALABAMA</b> .....	\$273.43	\$286.77	\$281.91	39.8	39.5	39.1	\$6.87	\$7.26	\$7.21
Birmingham .....	314.42	325.61	312.24	39.8	40.1	38.5	7.90	8.12	8.11
Mobile .....	355.28	369.07	368.15	41.7	39.6	39.8	8.52	9.32	9.25
<b>ALASKA</b> .....	434.85	527.35	(*)	39.0	39.8	(*)	11.15	13.25	(*)
<b>ARIZONA</b> .....	310.02	333.50	335.01	39.9	38.6	39.0	7.77	8.64	8.59
<b>ARKANSAS</b> .....	240.73	252.06	254.14	39.4	38.6	38.8	6.11	6.53	6.55
Fayetteville—Springdale .....	226.85	233.17	236.07	40.8	38.1	38.7	5.56	6.12	6.10
Fort Smith .....	240.86	236.68	249.86	38.6	36.3	37.8	6.24	6.52	6.61
Little Rock—North Little Rock .....	274.62	294.89	300.93	39.4	38.7	39.7	6.97	7.62	7.58
Pine Bluff .....	322.63	330.07	335.38	41.9	40.8	40.9	7.70	8.09	8.20
<b>CALIFORNIA</b> .....	327.10	353.46	355.54	39.6	39.1	39.2	8.26	9.04	9.07
<b>COLORADO</b> .....	323.18	328.05	328.10	39.8	39.1	39.2	8.12	8.39	8.37
Denver—Boulder .....	323.18	329.94	331.75	39.8	39.0	39.4	8.12	8.46	8.42
<b>CONNECTICUT</b> .....	316.01	327.62	330.47	41.8	40.8	40.9	7.56	8.03	8.08
Bridgeport .....	331.62	340.67	342.76	42.9	41.8	41.8	7.73	8.15	8.20
Hartford .....	337.74	342.10	355.97	41.8	40.2	41.2	8.08	8.51	8.64
New Britain .....	330.07	328.85	334.96	42.7	40.8	41.2	7.73	8.06	8.13
New Haven—West Haven .....	286.44	308.50	312.04	39.4	39.4	39.7	7.27	7.82	7.86
Stamford .....	287.29	294.12	294.32	41.1	39.8	39.4	6.99	7.39	7.47
Waterbury .....	267.54	272.28	287.86	42.0	40.7	42.9	6.37	6.69	6.71
<b>DELAWARE</b> .....	326.40	319.06	344.05	40.0	39.1	39.5	8.16	8.16	8.71
Wilmington .....	378.95	374.61	399.17	40.4	38.9	39.6	9.38	9.63	10.08
<b>DISTRICT OF COLUMBIA:</b>									
Washington SMSA .....	337.82	346.63	353.73	39.1	38.6	39.0	8.64	8.98	9.07
<b>FLORIDA</b> .....	254.78	274.82	270.86	40.7	39.6	39.6	6.26	6.94	6.84
Fort Lauderdale—Hollywood .....	241.60	261.23	266.93	40.2	40.5	40.2	6.01	6.45	6.64
Jacksonville .....	301.58	306.92	311.22	41.2	38.9	39.0	7.32	7.89	7.98
Lakeland—Winter Haven .....	281.47	303.53	305.45	42.2	43.3	42.9	6.67	7.01	7.12
Miami .....	232.82	232.85	231.67	41.5	39.6	39.4	5.61	5.88	5.88
Orlando .....	276.30	307.82	303.81	41.8	42.4	41.0	6.61	7.26	7.41
Pensacola .....	323.51	327.22	337.02	42.4	40.1	40.9	7.63	8.16	8.24
Tampa—St. Petersburg .....	254.87	269.56	274.16	40.2	39.7	40.2	6.34	6.79	6.82
West Palm Beach—Boca Raton .....	281.81	290.78	293.27	41.2	42.6	39.9	6.84	7.53	7.35
<b>GEORGIA</b> .....	252.28	258.30	256.69	40.3	38.9	38.6	6.26	6.64	6.65
Atlanta .....	298.50	311.22	307.70	39.8	39.0	38.9	7.50	7.98	7.91
Savannah .....	349.96	365.45	372.32	43.8	43.3	43.7	7.99	8.44	8.52
<b>HAWAII</b> .....	300.49	300.29	297.42	39.8	38.4	37.6	7.55	7.82	7.91
Honolulu .....	288.40	299.49	304.10	38.3	38.2	38.3	7.53	7.84	7.94
<b>IDAHO</b> .....	288.77	296.46	297.56	36.6	36.6	36.6	7.89	8.10	8.13
Boise City .....	284.87	311.03	318.12	38.6	38.3	38.7	7.38	8.12	8.22
<b>ILLINOIS</b> .....	348.94	364.98	363.38	40.2	39.5	39.2	8.68	9.24	9.27
Bloomington—Normal .....	304.96	326.02	321.49	38.7	38.4	36.7	7.88	8.49	8.76
Champaign—Urbana—Rantoul .....	339.19	339.19	348.98	38.4	38.5	39.3	7.86	8.81	8.88
Chicago SMSA .....	318.38	330.50	332.35	39.6	38.7	38.6	8.04	8.54	8.61
Davenport—Rock Island—Moline .....	416.71	443.87	433.38	39.8	38.1	37.2	10.47	11.65	11.65
Decatur .....	391.22	463.91	455.31	39.2	40.2	39.8	9.98	11.54	11.44
Kankakee .....	296.83	302.57	301.32	38.7	37.4	37.2	7.67	8.09	8.10
Peoria .....	437.34	487.80	486.16	39.4	38.5	38.1	11.10	12.67	12.76
Rockford .....	359.04	373.73	373.43	41.7	40.1	39.6	8.61	9.32	9.43
Springfield .....	372.19	399.99	412.85	40.9	39.8	40.2	9.10	10.05	10.27
<b>INDIANA</b> .....	372.20	384.15	380.44	40.5	39.4	39.1	9.19	9.75	9.73
Gary—Hammond—East Chicago .....	500.56	(*)	(*)	41.3	(*)	(*)	12.12	(*)	(*)
Indianapolis .....	365.42	397.54	(*)	40.2	40.4	(*)	9.09	9.84	(*)
<b>IOWA</b> .....	368.14	392.21	371.91	39.5	39.3	38.7	9.32	9.98	9.61
Cedar Rapids .....	377.29	401.60	392.42	40.7	40.2	39.4	9.27	9.99	9.96
Des Moines .....	374.75	416.02	396.34	39.2	39.1	38.0	9.56	10.64	10.43

See footnotes at end of table.



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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P
<b>IOWA—Continued</b>									
Dubuque .....	\$417.64	\$446.88	\$420.81	39.4	39.2	38.5	\$10.60	\$11.40	\$10.93
Sloux City .....	367.65	329.87	329.78	42.9	39.6	39.4	8.57	8.33	8.37
Waterloo—Cedar Falls .....	472.46	530.88	458.25	38.6	40.9	39.1	12.24	12.98	11.72
<b>KANSAS</b> .....	314.61	340.69	340.40	40.7	39.8	40.0	7.73	8.56	8.51
Topeka .....	323.18	349.85	339.89	39.8	38.7	38.8	8.12	9.04	8.76
Wichita .....	357.81	386.04	384.92	41.8	41.2	41.3	8.56	9.37	9.32
<b>KENTUCKY</b> .....	308.00	320.19	322.70	40.0	38.3	38.6	7.70	8.36	8.36
Lexington—Fayette .....	314.63	(*)	(*)	38.7	(*)	(*)	8.13	(*)	(*)
Louisville .....	359.48	386.56	378.07	40.3	40.1	39.3	8.92	9.64	9.62
<b>LOUISIANA</b> .....	351.09	372.60	369.60	41.5	40.5	40.0	8.46	9.20	9.24
Baton Rouge .....	447.38	456.21	470.61	43.1	41.1	41.5	10.38	11.10	11.34
New Orleans .....	337.81	355.81	367.35	41.5	39.1	39.8	8.14	9.10	9.23
Shreveport .....	304.71	325.62	326.33	40.9	40.3	39.7	7.45	8.08	8.22
<b>MAINE</b> .....	260.58	278.50	276.31	40.4	39.9	39.7	6.45	6.98	6.96
Lewiston—Auburn .....	205.83	214.48	210.46	37.9	37.3	36.1	5.43	5.75	5.83
Portland .....	244.92	275.80	272.74	39.0	39.4	39.7	6.28	7.00	6.87
<b>MARYLAND</b> .....	327.60	338.69	336.80	40.0	39.2	39.3	8.19	8.64	8.57
Baltimore .....	346.68	361.78	359.70	40.5	39.8	40.1	8.56	9.09	8.97
<b>MASSACHUSETTS</b> .....	277.09	(*)	(*)	40.1	(*)	(*)	6.91	(*)	(*)
Boston .....	300.75	(*)	(*)	40.1	(*)	(*)	7.50	(*)	(*)
Brockton .....	223.76	(*)	(*)	40.1	(*)	(*)	5.58	(*)	(*)
Fall River .....	206.22	(*)	(*)	37.7	(*)	(*)	5.47	(*)	(*)
Lawrence—Haverhill .....	285.65	(*)	(*)	41.1	(*)	(*)	6.95	(*)	(*)
Lowell .....	250.73	(*)	(*)	39.3	(*)	(*)	6.38	(*)	(*)
New Bedford .....	231.87	(*)	(*)	38.2	(*)	(*)	6.07	(*)	(*)
Springfield—Chicopee—Holyoke .....	279.21	(*)	(*)	41.0	(*)	(*)	6.81	(*)	(*)
Worcester .....	281.87	(*)	(*)	39.7	(*)	(*)	7.10	(*)	(*)
<b>MICHIGAN</b> .....	422.52	441.83	444.37	41.1	40.1	39.8	10.27	11.03	11.16
Ann Arbor .....	464.15	475.59	482.60	42.4	41.4	41.5	10.95	11.48	11.62
Battle Creek .....	430.33	430.11	434.89	40.9	40.4	39.9	9.87	10.65	10.90
Bay City .....	370.86	381.67	375.79	40.4	40.4	39.7	9.18	9.45	9.46
Detroit .....	449.62	483.25	486.71	41.3	41.3	41.2	10.89	11.69	11.81
Flint .....	494.65	489.79	492.10	41.6	38.3	37.4	11.88	12.80	13.17
Grand Rapids .....	346.53	361.85	364.56	40.9	38.9	38.9	8.47	9.30	9.37
Jackson .....	395.09	403.77	396.87	43.9	41.4	41.2	8.99	9.76	9.64
Kalamazoo—Portage .....	419.83	409.26	404.47	42.2	40.1	39.7	9.95	10.19	10.18
Lansing—East Lansing .....	445.50	460.91	458.52	38.4	38.3	38.0	11.59	12.04	12.08
Muskegon—Norton Shores—Muskegon Heights .....	359.18	363.44	358.03	41.1	38.7	37.4	8.74	9.40	9.57
Saginaw .....	509.06	478.63	490.33	42.0	38.1	38.5	12.12	12.58	12.72
<b>MINNESOTA</b> .....	327.10	349.87	350.76	39.6	39.4	39.5	8.26	8.88	8.88
Duluth—Superior .....	319.02	341.02	337.16	39.0	39.7	39.9	8.18	8.59	8.45
Minneapolis—St. Paul .....	343.26	365.34	367.46	39.5	39.2	39.3	8.69	9.32	9.35
St. Cloud .....	245.23	263.90	260.64	37.1	36.3	36.0	6.61	7.27	7.24
<b>MISSISSIPPI</b> .....	234.82	247.16	247.29	39.4	38.8	38.7	5.96	6.37	6.39
Jackson .....	258.16	266.56	266.76	40.4	38.8	39.0	6.39	6.87	6.84
<b>MISSOURI</b> .....	302.63	317.75	319.81	39.1	38.1	38.3	7.74	8.34	8.35
Kansas City .....	343.33	372.49	369.26	39.6	39.5	39.2	8.67	9.43	9.42
St. Joseph .....	284.20	292.55	286.52	39.2	37.7	37.9	7.25	7.76	7.56
St. Louis .....	344.27	364.60	368.94	39.3	38.5	39.0	8.76	9.47	9.46
Springfield .....	300.94	300.75	299.30	41.0	40.1	39.8	7.34	7.50	7.52
<b>MONTANA</b> .....	367.85	361.34	371.50	41.1	38.4	38.9	8.95	9.41	9.55
<b>NEBRASKA</b> .....	319.55	332.48	333.63	40.5	40.3	40.1	7.89	8.25	8.32
Lincoln .....	284.63	311.08	311.70	37.8	37.3	37.6	7.53	8.34	8.29
Omaha .....	320.38	328.25	328.49	39.7	38.8	38.6	8.07	8.46	8.51
<b>NEVADA</b> .....	318.16	322.27	325.23	38.8	37.3	37.0	8.20	8.64	8.79
Las Vegas .....	403.57	420.79	(*)	39.8	39.4	(*)	10.14	10.68	(*)

See footnotes at end of table.

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P
<b>NEW HAMPSHIRE</b>	\$249.42	\$272.52	\$273.43	40.1	39.9	39.8	\$6.22	\$6.83	\$6.87
Manchester	231.27	249.80	251.77	39.0	39.4	39.4	5.93	6.34	6.35
Nashua	279.48	305.60	307.28	40.8	40.0	39.7	6.85	7.64	7.74
<b>NEW JERSEY</b>	317.34	335.32	337.37	41.0	40.4	40.5	7.74	8.30	8.33
Atlantic City	237.44	251.29	260.68	37.1	36.9	38.0	6.40	6.81	6.86
Camden	319.16	342.55	347.17	40.4	40.3	40.7	7.90	8.50	8.53
Hackensack	283.86	296.74	296.27	41.5	40.1	40.2	6.84	7.40	7.37
Jersey City	303.00	326.82	326.82	40.4	40.1	40.1	7.50	8.15	8.15
New Brunswick—Perth Amboy—Sayreville	373.60	394.59	390.40	42.6	41.8	41.4	8.77	9.44	9.43
Newark	334.46	357.25	361.42	41.6	41.3	41.4	8.04	8.65	8.73
Paterson—Clifton—Passaic	312.48	307.16	305.93	43.1	40.9	40.9	7.25	7.51	7.48
Trenton	328.00	331.74	335.48	40.0	38.8	39.1	8.20	8.55	8.58
<b>NEW MEXICO</b>	249.94	272.76	279.57	39.8	38.8	39.1	6.28	7.03	7.15
Albuquerque	260.07	283.80	283.71	40.7	38.3	38.6	6.39	7.41	7.35
<b>NEW YORK</b>	305.29	318.98	320.58	39.7	38.9	39.0	7.69	8.20	8.22
Albany—Schenectady—Troy	322.77	330.91	334.17	40.6	39.3	39.5	7.95	8.42	8.46
Binghamton	291.33	293.94	285.32	41.5	41.4	40.3	7.02	7.10	7.08
Buffalo	398.78	412.48	410.29	40.2	39.7	39.3	9.92	10.39	10.44
Elmira	300.35	321.20	326.83	40.1	40.0	40.2	7.49	8.03	8.13
Monroe County	417.49	442.49	439.52	41.5	41.2	41.0	10.06	10.74	10.72
Nassau—Suffolk	292.58	312.04	318.00	40.3	39.3	39.9	7.26	7.94	7.97
New York—Northeastern New Jersey	291.67	(*)	(*)	39.9	(*)	(*)	7.31	(*)	(*)
New York and Nassau—Suffolk	266.11	280.87	284.63	38.4	37.4	37.8	6.93	7.51	7.53
New York SMSA	258.86	272.32	274.91	37.9	36.9	37.2	6.83	7.38	7.39
New York City	254.25	268.28	271.57	37.5	36.7	37.1	6.78	7.31	7.32
Poughkeepsie	318.00	333.16	325.85	42.4	43.1	42.1	7.50	7.73	7.74
Rochester	393.05	416.36	414.53	41.2	40.9	40.8	9.54	10.18	10.16
Rockland County	292.22	323.56	322.65	41.1	39.7	39.3	7.11	8.15	8.21
Syracuse	331.68	352.00	349.86	41.1	40.6	40.4	8.07	8.67	8.66
Utica—Rome	288.23	300.60	308.05	40.2	39.5	39.8	7.17	7.61	7.74
Westchester County	303.26	291.75	294.08	41.6	37.5	37.8	7.29	7.78	7.78
<b>NORTH CAROLINA</b>	225.79	234.87	233.75	39.2	37.7	37.4	5.76	6.23	6.25
Asheville	218.96	234.78	225.75	39.1	39.0	37.5	5.60	6.02	6.02
Charlotte—Gastonia	237.10	241.72	240.63	40.6	38.3	38.5	5.84	6.23	6.25
Greensboro—Winston-Salem—High Point	243.66	253.08	256.68	38.8	37.0	37.2	6.28	6.84	6.90
Raleigh—Durham	253.60	282.46	279.55	38.6	38.8	38.4	6.57	7.28	7.28
<b>NORTH DAKOTA</b>	260.48	284.13	280.50	37.0	38.5	37.6	7.04	7.38	7.46
Fargo—Moorhead	283.85	303.69	295.81	37.3	40.6	39.6	7.61	7.48	7.47
<b>OHIO</b>	381.60	395.79	397.79	40.9	40.1	40.1	9.33	9.87	9.92
Akron	390.09	406.43	414.39	41.9	41.6	41.9	9.31	9.77	9.89
Canton	386.88	396.97	390.39	40.3	39.3	39.0	9.60	10.05	10.01
Cincinnati	353.46	367.75	377.08	41.1	39.8	40.2	8.60	9.24	9.39
Cleveland	388.63	396.37	400.99	41.3	40.2	40.3	9.41	9.86	9.95
Columbus	338.00	360.19	359.72	40.0	39.8	39.4	8.45	9.05	9.13
Dayton	384.50	392.80	389.46	41.3	40.0	39.7	9.31	9.82	9.81
Toledo	400.05	438.70	439.11	41.2	41.0	41.0	9.71	10.70	10.71
Youngstown—Warren	472.12	459.81	458.63	40.7	39.3	39.3	11.60	11.70	11.67
<b>OKLAHOMA</b>	328.44	333.59	338.64	40.8	39.2	39.7	8.05	8.51	8.52
Oklahoma City	351.29	338.58	346.35	40.8	39.6	40.6	8.61	8.55	8.58
Tulsa	350.22	363.40	367.23	41.3	39.5	39.7	8.48	9.20	9.25
<b>OREGON</b>	349.27	364.13	(*)	37.8	37.5	(*)	9.24	9.71	(*)
Eugene—Springfield	369.38	(*)	(*)	38.8	(*)	(*)	9.52	(*)	(*)
Jackson County	338.52	(*)	(*)	39.0	(*)	(*)	8.68	(*)	(*)
Portland	345.14	377.26	(*)	36.6	38.3	(*)	9.43	9.85	(*)
Salem	332.33	(*)	(*)	36.6	(*)	(*)	9.08	(*)	(*)
<b>PENNSYLVANIA</b>	320.72	342.00	329.26	39.4	40.0	38.6	8.14	8.55	8.53
Allentown—Bethlehem—Easton	324.94	345.86	340.49	38.5	38.6	38.3	8.44	8.96	8.89
Altoona	270.07	284.06	282.63	38.2	38.7	39.2	7.07	7.34	7.21
Delaware Valley	326.40	339.86	341.82	40.0	39.2	39.2	8.16	8.67	8.72
Erie	341.53	366.13	369.41	41.0	41.0	41.0	8.33	8.92	9.01
Harrisburg	306.88	323.79	314.59	40.7	39.0	38.6	7.54	8.20	8.15
Johnstown	328.13	322.96	314.84	37.5	36.7	35.9	8.75	8.80	8.77

See footnotes at end of table.

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P
<b>PENNSYLVANIA—Continued</b>									
Lancaster .....	\$279.18	\$288.80	\$289.17	39.6	38.1	37.8	\$7.05	\$7.58	\$7.65
Northeast Pennsylvania .....	226.55	250.79	247.38	36.6	37.6	37.2	6.19	6.67	6.65
Philadelphia SMSA .....	324.41	339.95	343.26	40.1	39.3	39.5	8.09	8.65	8.69
Pittsburgh .....	401.96	417.75	401.44	41.1	39.9	38.6	9.78	10.47	10.40
Reading .....	305.52	306.75	309.32	40.2	38.2	38.0	7.60	8.03	8.14
Williamsport .....	298.10	331.70	315.56	39.8	40.5	39.2	7.49	8.19	8.05
York .....	298.89	316.79	317.19	41.0	40.1	40.1	7.29	7.90	7.91
<b>RHODE ISLAND</b>									
Providence—Warwick—Pawtucket .....	237.80	249.48	252.72	39.7	38.8	39.0	5.99	6.43	6.43
	236.81	247.54	251.02	39.8	38.8	39.1	5.95	6.38	6.42
<b>SOUTH CAROLINA</b>									
Charleston—North Charleston .....	244.01	254.02	253.48	40.6	39.2	38.7	6.01	6.48	6.55
Columbia .....	281.31	271.27	287.60	41.8	38.1	40.0	6.73	7.12	7.19
Greenville .....	231.87	242.17	239.27	39.3	38.5	37.8	5.90	6.29	6.33
Greenville—Spartanburg .....	233.83	255.36	252.06	39.7	39.9	39.2	5.89	6.40	6.43
<b>South Dakota</b>									
Sioux Falls .....	288.01	303.58	296.10	41.5	43.0	42.3	6.94	7.06	7.00
	387.49	417.88	406.18	44.9	51.4	49.9	8.63	8.13	8.18
<b>TENNESSEE</b>									
Chattanooga .....	260.95	275.97	268.87	39.9	39.2	38.3	6.54	7.04	7.02
Knoxville .....	261.76	266.85	262.96	40.9	38.9	38.5	6.40	6.86	6.83
Memphis .....	296.94	317.13	307.42	40.4	39.2	38.0	7.35	8.09	8.09
Nashville—Davidson .....	291.67	310.64	293.04	39.9	40.5	39.6	7.31	7.67	7.40
	282.30	329.89	320.37	40.1	41.6	40.4	7.04	7.93	7.93
<b>TEXAS</b>									
Dallas—Fort Worth .....	317.70	339.89	342.76	41.1	41.0	41.0	7.73	8.29	8.36
Houston .....	301.26	330.05	331.25	41.1	41.0	41.2	7.33	8.05	8.04
San Antonio .....	408.32	440.00	441.23	43.3	44.0	43.6	9.43	10.00	10.12
	279.31	246.71	249.77	40.3	39.6	39.9	5.69	6.23	6.26
<b>UTAH</b>									
Salt Lake City—Ogden .....	294.57	317.49	315.02	39.7	39.1	38.7	7.42	8.12	8.14
	288.26	312.44	309.28	40.6	39.7	39.1	7.10	7.87	7.91
<b>VERMONT</b>									
Burlington .....	269.43	284.14	277.25	40.7	39.3	38.4	6.62	7.23	7.22
Springfield .....	298.92	326.40	317.12	42.4	41.9	40.5	7.05	7.79	7.83
	318.19	299.13	303.34	42.2	39.0	39.6	7.54	7.67	7.66
<b>VIRGINIA</b>									
Bristol .....	266.00	277.59	274.32	40.0	38.5	38.1	6.65	7.21	7.20
Lynchburg .....	218.36	234.22	236.11	37.2	37.9	37.3	5.87	6.18	6.33
Norfolk—Virginia Beach—Portsmouth .....	270.03	254.10	240.82	41.1	36.3	34.8	6.57	7.00	6.92
Northern Virginia .....	288.00	300.03	301.35	41.8	40.6	41.0	6.89	7.39	7.35
Petersburg .....	280.53	293.64	299.47	39.4	39.1	39.3	7.12	7.51	7.62
Petersburg—Colonial Heights—Hopewell .....	318.00	354.50	349.00	39.8	38.2	38.1	7.99	9.28	9.16
Richmond .....	340.90	365.60	372.83	40.2	40.0	40.9	8.48	9.14	9.14
Roanoke .....	246.02	255.26	258.84	40.2	38.5	39.7	6.12	6.63	6.52
<b>WASHINGTON</b>									
Seattle—Everett .....	394.29	428.37	(*)	39.0	39.3	(*)	10.11	10.90	(*)
	410.57	432.57	(*)	39.9	40.3	(*)	10.29	11.23	(*)
<b>WEST VIRGINIA</b>									
Charleston .....	338.70	360.51	352.04	39.8	39.4	39.6	8.51	9.15	8.89
Huntington—Ashland .....	397.57	433.44	441.19	41.5	42.0	42.3	9.58	10.32	10.43
Parkersburg—Marietta .....	383.13	393.08	403.48	40.5	38.2	38.5	9.46	10.29	10.48
Wheeling .....	364.49	383.66	388.80	41.0	40.3	40.0	8.89	9.52	9.72
	381.97	395.36	372.88	39.5	39.3	38.6	9.67	10.06	9.66
<b>WISCONSIN</b>									
Appleton—Oshkosh .....	345.68	368.68	367.28	40.3	39.8	39.5	8.59	9.27	9.30
Eau Claire .....	346.17	367.14	362.51	41.9	41.3	40.8	8.27	8.89	8.89
Green Bay .....	348.12	353.60	350.24	42.1	40.6	40.3	8.28	8.72	8.69
Janesville—Beloit .....	364.56	385.21	381.73	41.9	41.0	40.7	8.70	9.39	9.39
Kenosha .....	325.04	351.46	359.86	41.1	40.3	39.9	7.91	8.73	9.03
La Crosse .....	369.44	420.31	422.35	40.0	39.5	39.5	9.23	10.64	10.69
Madison .....	300.88	325.80	330.06	40.9	39.1	39.3	7.35	8.34	8.39
Milwaukee .....	327.07	359.72	360.00	38.8	38.7	38.7	8.43	9.30	9.30
Racine .....	380.57	407.95	406.81	40.1	39.9	39.4	9.49	10.24	10.33
	368.14	392.84	394.25	40.0	40.1	39.9	9.20	9.79	9.88
<b>WYOMING</b>									
	301.75	324.63	323.26	39.6	38.6	38.9	7.62	8.41	8.31

See footnotes at end of table.

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P
VIRGIN ISLANDS <sup>1</sup> .....	\$339.39	\$389.79	\$393.34	41.9	41.6	41.8	\$8.10	\$9.37	\$9.41

<sup>1</sup> Revised to 1981 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 Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

p = preliminary.

\*Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P
<b>ALABAMA</b> .....	1,662.8	1,670.8	1,690.3	182.3	233.5	237.1	11.0	14.0	14.0
Birmingham .....	379.4	373.1	378.3	41.0	46.3	45.5	10.8	12.4	12.0
Huntsville .....	140.8	145.3	146.6	16.9	19.0	18.3	12.0	13.1	12.5
Mobile .....	187.7	187.5	189.2	17.0	22.4	22.9	9.1	12.0	12.1
Montgomery .....	120.9	120.5	122.3	10.4	14.4	14.6	8.6	11.9	12.0
Tuscaloosa .....	55.7	54.4	54.8	5.5	6.6	6.3	9.9	12.2	11.6
<b>ALASKA</b> .....	182.1	194.0	197.3	19.6	22.2	22.2	10.7	11.4	11.3
<b>ARIZONA</b> .....	1,268.2	1,300.4	1,305.7	77.0	102.4	109.7	6.1	7.9	8.4
Phoenix .....	776.3	794.3	796.4	39.8	49.5	53.3	5.1	6.2	6.7
Tucson .....	231.4	236.7	238.1	12.1	17.6	18.8	5.2	7.4	7.9
<b>ARKANSAS</b> .....	1,026.6	1,003.7	1,008.4	101.4	116.1	107.4	9.9	11.6	10.6
Fayetteville-Springdale .....	80.9	81.4	80.1	4.7	7.2	5.5	5.8	8.9	6.9
Fort Smith <sup>1</sup> .....	90.7	87.9	87.2	8.3	10.3	9.9	9.2	11.7	11.4
Little Rock—North Little Rock .....	196.7	192.5	191.7	15.7	16.5	15.5	8.0	8.6	8.1
Pine Bluff .....	40.9	39.2	39.2	4.2	4.4	4.1	10.4	11.3	10.4
<b>CALIFORNIA<sup>1</sup></b> .....	11,693.3	11,945.9	11,953.4	871.4	1,145.0	1,156.3	7.5	9.6	9.7
Anaheim—Santa Ana—Garden Grove .....	1,174.9	1,183.5	1,188.3	49.9	72.2	73.0	4.3	6.1	6.1
Bakersfield .....	190.0	198.9	200.3	19.2	23.3	26.4	10.1	11.7	13.2
Fresno .....	265.8	277.3	276.5	32.7	42.4	44.6	12.3	15.3	16.1
Los Angeles—Long Beach <sup>2</sup> .....	3,677.0	3,744.0	3,738.0	253.0	311.0	321.0	6.9	8.3	8.6
Modesto .....	131.5	140.5	139.1	21.6	29.2	28.1	16.5	20.8	20.2
Oxnard—Simi Valley—Ventura .....	245.1	257.2	258.8	18.0	25.2	24.8	7.4	9.8	9.6
Riverside—San Bernardino—Ontario .....	611.9	627.8	629.1	48.7	68.4	68.4	8.0	10.9	10.9
Sacramento .....	492.5	508.4	507.7	44.1	60.4	60.3	9.0	11.9	11.9
Salinas—Seaside—Monterey .....	134.2	139.9	139.3	15.1	22.7	18.5	11.3	16.2	13.3
San Diego .....	801.7	815.0	810.4	55.8	72.5	70.8	7.0	8.9	8.7
San Francisco—Oakland .....	1,694.4	1,716.8	1,719.9	96.0	125.2	127.3	5.7	7.3	7.4
San Jose .....	787.7	803.7	809.3	45.2	62.2	60.3	5.7	7.7	7.4
Santa Barbara—Santa Maria—Lompoc .....	153.2	156.8	158.3	9.2	12.7	12.7	6.0	8.1	8.0
Santa Rosa .....	139.8	144.6	145.4	11.9	15.9	16.1	8.5	11.0	11.1
Stockton .....	165.6	171.5	168.5	22.8	32.0	32.1	13.8	18.6	19.0
Vallejo—Fairfield—Napa .....	131.4	136.9	136.6	10.8	15.2	15.4	8.2	11.1	11.2
<b>COLORADO</b> .....	1,508.4	1,522.2	1,527.1	86.9	103.4	101.7	5.8	6.8	6.7
Denver—Boulder .....	898.6	909.7	910.9	46.1	52.5	51.7	5.1	5.8	5.7
<b>CONNECTICUT</b> .....	1,575.8	1,599.9	1,608.8	99.8	122.0	113.5	6.3	7.6	7.1
Bridgeport .....	189.1	192.8	194.5	11.2	14.1	13.6	5.9	7.3	7.0
Hartford .....	382.6	389.3	391.8	22.0	28.1	26.0	5.7	7.2	6.6
New Britain .....	74.5	75.0	74.9	4.7	7.4	6.5	6.4	9.8	8.6
New Haven—West Haven .....	198.9	199.3	200.7	14.0	15.3	14.6	7.0	7.7	7.3
Stamford .....	120.4	122.8	123.7	4.7	5.3	4.9	3.9	4.3	4.0
Waterbury .....	105.9	107.9	109.1	8.6	9.8	10.0	8.1	9.1	9.2
<b>DELAWARE</b> .....	281.2	288.9	295.1	22.6	29.2	24.3	8.0	10.1	8.2
Wilmington <sup>1</sup> .....	252.0	256.3	261.0	19.6	27.0	21.6	7.8	10.5	8.3
<b>DISTRICT OF COLUMBIA</b> .....	312.3	308.1	308.7	26.9	31.1	32.5	8.6	10.1	10.5
Washington SMSA <sup>1</sup> .....	1,674.2	1,672.8	1,686.5	81.0	102.5	102.8	4.8	6.1	6.1
<b>FLORIDA<sup>2</sup></b> .....	4,411.8	4,558.2	4,598.0	284.5	321.7	393.2	6.4	7.1	8.6
Bradenton .....	65.3	71.6	73.0	3.9	4.3	5.9	6.0	6.0	8.1
Daytona Beach .....	107.8	110.7	111.5	7.2	7.9	9.5	6.7	7.1	8.5
Fort Lauderdale—Hollywood .....	478.4	482.3	487.3	23.8	30.1	36.8	5.0	6.2	7.5
Fort Myers—Cape Coral .....	94.0	97.0	97.9	5.7	7.4	8.9	6.1	7.7	9.1
Gainesville .....	74.6	79.8	80.1	3.2	3.3	4.0	4.3	4.2	5.0
Jacksonville .....	327.5	340.2	343.5	20.8	22.6	28.8	6.3	6.6	8.4
Lakeland—Winter Haven .....	146.0	150.7	151.8	12.7	15.7	19.8	8.7	10.4	13.0
Melbourne—Titusville—Cocoa .....	118.0	121.9	123.1	9.5	9.1	11.0	8.1	7.4	9.0
Miami .....	804.3	818.7	823.4	54.1	57.8	70.5	6.7	7.1	8.6
Orlando .....	354.2	370.1	371.5	22.2	24.3	28.5	6.3	6.6	7.7
Panama City .....	41.6	43.0	43.4	4.3	4.6	5.1	10.2	10.7	11.8
Pensacola .....	116.8	121.2	121.8	6.6	8.4	9.7	5.7	6.9	7.9
Sarasota .....	77.7	81.3	82.1	3.9	5.5	6.5	5.0	6.7	8.0
Tallahassee .....	84.0	84.2	84.0	3.4	3.6	4.3	4.1	4.3	5.1
Tampa—St. Petersburg .....	681.2	712.1	720.7	40.6	46.9	57.0	6.0	6.6	7.9
West Palm Beach—Boca Raton .....	267.5	280.9	283.4	15.3	18.5	23.9	5.7	6.6	8.4

See footnotes at end of table

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P
<b>GEORGIA</b> .....	2,577.6	2,609.8	2,625.5	156.5	212.6	201.3	6.1	8.1	7.7
Albany.....	52.5	54.3	54.7	4.1	4.8	4.6	7.8	8.9	8.5
Atlanta.....	1,061.9	1,082.2	1,088.4	54.2	73.6	68.6	5.1	6.8	6.3
Augusta.....	130.5	132.8	134.6	9.2	11.1	11.6	7.1	8.4	8.7
Columbus <sup>1</sup> .....	88.7	88.2	88.5	6.9	9.6	10.8	7.8	10.8	12.2
Macon.....	105.3	108.0	108.1	6.4	8.1	7.2	6.1	7.5	6.6
Savannah.....	94.3	98.8	99.7	5.8	7.3	6.9	6.2	7.4	7.0
<b>HAWAII</b> .....	448.2	450.2	451.4	22.4	24.9	26.2	5.0	5.5	5.8
Honolulu.....	346.8	347.1	348.0	16.2	17.5	18.7	4.7	5.0	5.4
<b>IDAHO</b> .....	419.5	423.4	425.8	34.6	50.9	46.0	8.2	12.0	10.8
Boise City.....	89.5	89.6	90.2	5.9	7.5	6.9	6.6	8.4	7.6
<b>ILLINOIS<sup>2</sup></b> .....	5,521.2	5,551.4	5,530.9	515.4	561.1	565.4	9.3	10.1	10.2
Bloomington—Normal.....	61.7	61.9	62.4	4.3	4.9	5.5	7.0	7.9	8.8
Champaign—Urbana—Rantoul.....	85.0	85.7	85.1	5.6	5.4	5.5	6.6	6.3	6.5
Chicago.....	3,456.8	3,493.4	3,471.0	299.9	324.9	329.9	8.7	9.3	9.5
Davenport—Rock Island—Moline <sup>1</sup> .....	185.3	191.9	194.2	14.9	22.1	25.4	8.0	11.5	13.1
Decatur.....	61.2	63.0	63.2	7.2	8.1	8.5	11.8	12.8	13.4
Kankakee.....	40.9	42.2	42.5	5.1	6.8	6.8	12.6	16.2	16.1
Peoria.....	174.3	173.3	173.5	19.0	18.6	19.0	10.9	10.7	10.9
Rockford.....	134.2	136.3	134.5	15.0	20.9	17.4	11.2	15.3	13.0
Springfield.....	96.0	97.8	97.4	6.9	7.5	7.0	7.2	7.7	7.2
<b>INDIANA</b> .....	2,608.6	2,576.4	2,581.2	268.5	342.5	333.8	10.3	13.3	12.9
Anderson.....	57.0	56.2	56.2	7.2	12.8	11.7	12.7	22.5	20.9
Elkhart.....	67.2	65.2	65.1	7.1	8.1	7.3	10.5	12.4	11.2
Evansville <sup>1</sup> .....	146.7	146.2	146.0	12.3	16.9	15.4	8.4	11.6	10.6
Fort Wayne.....	193.0	188.1	187.9	21.2	24.7	24.1	11.0	13.1	12.8
Gary—Hammond—East Chicago.....	295.7	288.1	289.1	33.4	41.3	41.7	11.3	14.3	14.4
Indianapolis.....	604.6	598.5	601.9	49.1	61.2	60.9	8.1	10.2	10.1
Lafayette—West Lafayette.....	63.3	63.8	63.0	4.6	5.6	5.3	7.2	8.8	8.4
Muncie.....	58.1	58.6	58.0	6.9	10.8	9.8	11.9	18.5	17.0
South Bend.....	138.4	133.8	134.1	14.1	15.6	14.8	10.2	11.6	11.0
Terre Haute.....	81.5	77.9	77.0	8.6	10.9	10.0	10.6	14.1	13.0
<b>IOWA</b> .....	1,403.1	1,408.5	1,429.9	105.9	145.0	146.1	7.5	10.3	10.2
Cedar Rapids.....	88.2	87.1	87.1	7.8	9.8	8.9	8.9	11.2	10.2
Des Moines.....	183.1	184.5	184.0	12.7	17.4	15.4	6.9	9.4	8.4
Dubuque.....	45.2	45.1	45.5	5.5	6.7	6.6	12.2	14.8	14.5
Sioux City <sup>1</sup> .....	54.0	55.1	55.5	4.0	5.2	4.8	7.4	9.5	8.7
Waterloo—Cedar Falls.....	69.0	69.3	70.2	5.5	8.7	17.8	8.0	12.5	25.3
<b>KANSAS</b> .....	1,177.1	1,150.5	1,160.6	50.8	65.7	63.9	4.3	5.7	5.5
Lawrence.....	34.9	34.5	34.7	1.6	1.8	1.7	4.6	5.3	4.9
Topeka.....	95.1	93.5	93.5	5.3	6.5	6.0	5.6	7.0	6.4
Wichita.....	226.7	221.6	223.6	9.2	13.0	14.3	4.0	5.9	6.4
<b>KENTUCKY</b> .....	1,646.3	1,595.7	1,590.4	147.0	183.7	169.6	8.9	11.5	10.7
Lexington—Fayette.....	176.4	171.7	171.7	10.0	10.9	10.6	5.7	6.4	6.2
Louisville <sup>1</sup> .....	433.1	421.7	420.4	35.9	49.9	49.8	8.3	11.8	11.8
Owensboro.....	43.1	39.5	39.1	3.3	4.5	4.0	7.6	11.4	10.1
<b>LOUISIANA</b> .....	1,823.0	1,840.6	1,877.6	152.4	180.7	184.0	8.4	9.8	9.8
Alexandria.....	72.7	71.8	73.2	8.6	8.4	8.3	11.8	11.7	11.3
Baton Rouge.....	223.9	223.3	227.1	16.4	18.4	18.6	7.3	8.2	8.2
Lafayette.....	86.9	92.9	95.2	3.7	4.3	4.8	4.3	4.7	5.1
Lake Charles.....	80.1	80.2	82.0	6.8	9.9	11.0	8.5	12.3	13.4
Monroe.....	57.6	54.9	55.3	6.4	6.9	6.7	11.0	12.5	12.1
New Orleans.....	510.6	507.2	514.8	38.5	45.6	46.6	7.5	9.0	9.0
Shreveport.....	161.8	161.8	164.7	13.8	14.8	14.3	8.5	9.2	8.7
<b>MAINE</b> .....	493.7	497.5	508.3	39.6	44.1	47.3	8.0	8.9	9.3
Lewiston—Auburn.....	38.7	37.8	38.8	3.3	3.6	3.9	8.6	9.6	10.2
Portland.....	90.7	93.4	95.3	5.7	6.1	6.2	6.2	6.5	6.5
<b>MARYLAND</b> .....	2,153.1	2,152.2	2,174.8	154.1	208.6	206.1	7.2	9.7	9.5
Baltimore.....	1,077.2	1,080.6	1,090.4	86.5	117.2	117.7	8.0	10.8	10.8

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P
<b>MASSACHUSETTS<sup>1</sup></b>	2,918.8	2,960.3	2,976.5	178.0	246.7	226.5	6.1	8.3	7.6
Boston	1,422.3	N.A.	1,444.4	75.7	N.A.	93.8	5.3	N.A.	6.5
Brockton	82.7	N.A.	82.2	6.1	N.A.	7.4	7.4	N.A.	9.0
Fall River <sup>1</sup>	74.0	N.A.	75.6	6.3	N.A.	9.1	8.6	N.A.	12.0
Lawrence—Haverhill <sup>1</sup>	146.1	N.A.	146.9	8.5	N.A.	11.6	5.8	N.A.	7.9
Lowell	127.1	N.A.	130.8	7.4	N.A.	8.7	5.8	N.A.	6.6
New Bedford	86.0	N.A.	84.7	7.6	N.A.	10.8	8.9	N.A.	12.7
Springfield—Chicopee—Holyoke	277.0	N.A.	293.7	16.8	N.A.	22.3	6.1	N.A.	7.6
Worcester	197.6	N.A.	201.6	10.7	N.A.	14.6	5.4	N.A.	7.2
<b>MICHIGAN<sup>1</sup></b>	4,206.4	4,240.3	4,251.5	552.9	684.3	724.6	13.1	16.1	17.0
Ann Arbor	142.4	142.3	141.8	11.6	15.2	16.2	8.2	10.7	11.4
Battle Creek	77.9	79.5	80.2	9.7	12.2	12.7	12.4	15.3	15.9
Bay City	52.5	55.3	55.5	7.7	10.0	10.6	14.6	18.0	19.2
Detroit	1,955.8	1,949.7	1,960.3	261.7	321.6	339.1	13.4	16.5	17.3
Flint	226.8	228.9	229.0	37.8	52.2	53.9	16.7	22.8	23.5
Grand Rapids	310.5	323.2	324.9	28.6	40.9	44.4	9.2	12.7	13.7
Jackson	65.0	66.0	66.7	7.9	9.6	11.2	12.1	14.6	16.8
Kalamazoo—Portage	135.5	137.7	137.6	12.8	15.4	16.8	9.4	11.2	12.2
Lansing—East Lansing	238.2	245.5	241.1	27.3	34.3	32.7	11.5	14.0	13.6
Muskegon—Norton Shores—Muskegon Heights	75.6	76.6	77.7	11.3	12.0	13.9	14.9	15.6	17.9
Saginaw	99.5	103.8	103.7	11.6	20.5	21.4	11.7	19.8	20.6
<b>MINNESOTA</b>	2,101.1	2,080.7	2,099.9	138.8	161.2	162.3	6.6	7.7	7.7
Duluth—Superior <sup>1</sup>	113.8	110.4	111.1	10.5	13.7	14.9	9.2	12.4	13.5
Minneapolis—St. Paul	1,138.2	1,134.2	1,144.9	57.3	67.0	68.7	5.0	5.9	6.0
Rochester	55.5	55.5	56.3	2.8	3.3	3.4	5.0	6.0	6.0
St. Cloud	74.3	73.0	74.0	6.5	7.6	7.5	8.7	10.4	10.2
<b>MISSISSIPPI</b>	1,049.1	1,061.8	1,074.2	91.5	108.6	103.5	8.7	10.2	9.6
Jackson	157.6	161.2	162.7	9.4	10.5	10.5	6.0	6.5	6.4
<b>MISSOURI</b>	2,294.6	2,262.6	2,300.2	186.3	231.0	211.9	8.1	10.2	9.2
Kansas City <sup>1</sup>	680.4	662.2	673.0	44.6	56.7	57.4	6.6	8.6	8.5
St. Joseph	45.9	43.6	44.2	4.1	5.0	5.0	9.0	11.5	11.3
St. Louis <sup>1</sup>	1,110.6	1,093.4	1,100.0	100.8	114.0	101.7	9.1	10.4	9.2
Springfield	106.6	104.4	106.6	7.0	7.7	7.5	6.6	7.4	7.0
<b>MONTANA</b>	367.7	387.1	389.8	28.3	41.3	40.5	7.7	10.7	10.4
Billings	56.0	60.0	61.6	3.3	3.9	3.8	5.8	6.5	6.2
Great Falls	32.9	36.3	36.4	2.9	3.4	3.2	8.9	9.4	8.7
<b>NEBRASKA</b>	753.9	759.9	774.9	34.5	47.3	48.7	4.6	6.2	6.3
Lincoln	110.1	110.8	112.1	4.6	5.7	5.9	4.1	5.1	5.3
Omaha <sup>1</sup>	276.5	282.4	284.7	16.6	20.6	21.0	6.0	7.3	7.4
<b>NEVADA</b>	452.6	479.0	483.3	35.0	40.1	40.1	7.7	8.4	8.3
Las Vegas	254.4	269.1	270.8	22.3	23.6	23.7	8.8	8.8	8.8
Reno	123.9	132.0	133.3	7.4	9.1	9.2	6.0	6.9	6.9
<b>NEW HAMPSHIRE</b>	472.6	478.8	480.9	26.0	37.8	37.0	5.5	7.9	7.7
Manchester	82.9	84.2	84.3	5.1	7.2	6.9	6.1	8.5	8.1
Nashua	80.4	82.5	83.4	3.7	6.0	5.9	4.7	7.3	7.1
<b>NEW JERSEY</b>	3,596.8	3,506.3	3,589.7	310.5	326.6	330.6	8.6	9.3	9.2
Atlantic City	112.4	113.6	117.2	10.9	13.7	13.5	9.7	12.0	11.5
Jersey City	248.9	242.9	248.5	31.7	33.3	34.0	12.7	13.7	13.7
Long Branch—Asbury Park	238.1	237.4	241.6	20.6	22.4	21.3	8.7	9.4	8.8
New Brunswick—Perth Amboy—Sayreville	333.7	323.5	331.6	22.4	25.3	25.1	6.7	7.8	7.6
Newark	974.5	950.5	971.6	81.1	80.6	85.0	8.3	8.5	8.8
Paterson—Clifton—Passaic	212.8	204.9	210.4	22.7	22.7	23.9	10.7	11.1	11.4
Trenton	160.3	156.1	159.9	10.8	12.9	13.3	6.7	8.3	8.3
Vineland—Millville—Bridgeton	59.8	59.0	60.6	8.8	10.1	10.7	14.7	17.1	17.7
<b>NEW MEXICO</b>	568.1	570.1	572.5	44.5	43.0	44.2	7.8	7.5	7.7
Albuquerque	211.2	208.2	209.2	16.6	15.3	15.3	7.9	7.3	7.3
Las Cruces	34.9	36.2	37.1	2.9	2.6	3.2	8.2	7.3	8.6

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P
<b>NEW YORK<sup>2</sup></b>	8,031.7	8,036.1	8,058.4	682.4	722.2	692.2	8.5	9.0	8.6
Albany—Schenectady—Troy	383.9	385.0	383.0	25.1	29.5	26.0	6.5	7.7	6.8
Binghamton <sup>1</sup>	139.6	144.8	144.0	9.9	11.0	10.8	7.1	7.6	7.5
Buffalo	569.2	581.1	567.8	54.6	83.5	69.7	9.6	14.4	12.3
Elmira	39.9	40.2	39.5	3.5	4.3	3.8	8.8	10.6	9.7
Nassau-Suffolk	1,315.9	1,321.0	1,319.4	77.7	88.5	74.3	5.9	6.7	5.6
New York	3,667.2	3,610.8	3,669.9	352.3	311.9	337.3	9.6	8.6	9.2
New York City <sup>2</sup>	3,052.0	2,983.0	3,045.0	322.0	275.0	308.0	10.6	9.2	10.1
Poughkeepsie	110.6	115.1	114.1	6.9	7.7	6.7	6.3	6.7	5.9
Rochester	473.8	491.7	486.6	29.5	42.0	36.3	6.2	8.5	7.5
Syracuse	303.5	307.4	301.6	23.1	28.4	23.5	7.6	9.3	7.8
Utica—Rome	136.2	138.1	137.5	11.7	13.2	12.2	8.6	9.6	8.9
<b>NORTH CAROLINA</b>	2,892.5	2,918.8	2,946.2	199.9	271.0	285.4	6.9	9.3	9.7
Asheville	87.9	88.8	88.9	6.9	8.6	8.2	7.8	9.7	9.2
Charlotte—Gastonia	369.9	372.6	375.4	17.8	23.6	24.8	4.8	6.3	6.6
Greensboro—Winston-Salem—High Point	440.8	450.3	454.4	24.0	35.9	39.4	5.4	8.0	8.7
Raleigh—Durham	311.3	313.8	316.9	11.3	14.6	15.0	3.6	4.7	4.7
<b>NORTH DAKOTA</b>	296.8	296.1	308.7	19.4	17.0	16.3	6.5	5.7	5.3
Fargo—Moorehead <sup>1</sup>	69.5	71.4	72.5	5.0	3.9	4.2	7.3	5.4	5.7
<b>OHIO<sup>2</sup></b>	5,038.5	4,966.9	5,013.8	471.0	605.8	615.6	9.3	12.2	12.3
Akron	298.2	295.5	296.8	27.0	35.1	35.3	9.1	11.9	11.9
Canton	186.1	184.6	187.4	17.9	23.6	25.5	9.6	12.8	13.6
Cincinnati <sup>1</sup>	672.8	657.0	664.4	56.2	71.4	73.0	8.4	10.9	11.0
Cleveland	924.2	892.2	905.4	77.1	83.0	92.6	8.3	9.3	10.2
Columbus	557.2	547.5	554.0	41.3	49.4	51.4	7.4	9.0	9.3
Dayton	387.2	383.4	387.1	30.2	41.7	45.3	7.8	10.9	11.7
Toledo <sup>1</sup>	363.5	355.7	359.7	39.9	45.7	47.7	11.0	12.8	13.3
Youngstown—Warren	231.8	232.8	231.7	27.7	45.6	41.2	11.9	19.6	17.8
<b>OKLAHOMA</b>	1,415.9	1,453.3	1,471.2	50.7	71.1	69.9	3.6	4.9	4.8
Enid	29.6	29.8	29.7	.7	1.3	1.0	2.4	4.3	3.4
Lawton	34.2	34.2	34.5	1.6	1.5	1.5	4.7	4.5	4.2
Oklahoma City	435.1	450.9	457.5	14.1	21.3	21.2	3.2	4.7	4.6
Tulsa	349.6	361.4	366.1	11.7	16.9	17.1	3.4	4.7	4.7
<b>OREGON</b>	1,321.7	1,306.0	1,310.9	133.7	162.8	161.0	10.1	12.5	12.3
Eugene—Springfield	138.1	136.0	133.1	15.8	18.7	18.0	11.5	13.8	13.3
Portland <sup>1</sup>	650.9	649.1	651.1	50.5	66.5	67.0	7.8	10.2	10.3
Salem	122.4	122.0	123.1	11.0	13.7	13.5	9.0	11.2	11.0
<b>PENNSYLVANIA<sup>2</sup></b>	5,474.1	5,447.7	5,399.5	432.1	597.8	572.5	7.9	11.0	10.6
Allentown—Bethlehem—Easton <sup>1</sup>	314.1	309.0	306.9	26.2	34.7	32.1	8.4	11.2	10.5
Altoona	58.3	56.7	56.9	6.9	7.9	7.8	11.8	14.0	13.7
Erie	125.6	124.2	122.5	12.1	15.4	14.5	9.6	12.4	11.9
Harrisburg	235.1	237.0	234.1	13.5	18.0	15.8	5.8	7.6	6.8
Johnstown	107.9	106.2	104.6	13.6	17.5	16.4	12.6	16.4	15.7
Lancaster	183.1	182.7	182.4	9.8	14.6	14.5	5.4	8.0	7.9
Northeast Pennsylvania	290.1	286.2	284.8	28.6	34.3	33.6	9.8	12.0	11.8
Philadelphia <sup>1</sup>	2,190.5	2,158.7	2,162.4	153.1	199.2	194.5	7.0	9.2	9.0
Pittsburgh	1,037.5	1,024.2	1,012.0	74.2	108.7	104.6	7.1	10.6	10.3
Reading	158.8	159.7	158.4	12.4	16.4	16.5	7.8	10.3	10.4
Williamsport	53.8	53.4	53.0	6.4	7.1	7.0	11.9	13.3	13.2
York	178.7	179.7	177.6	13.2	19.0	17.9	7.4	10.6	10.1
<b>RHODE ISLAND</b>	472.6	475.9	473.5	38.2	48.8	48.6	8.1	10.2	10.3
Providence—Warwick—Pawtucket <sup>1</sup>	468.1	N.A.	468.3	37.5	N.A.	47.9	8.0	N.A.	10.2
<b>SOUTH CAROLINA</b>	1,403.1	1,424.3	1,452.0	117.7	160.7	158.9	8.4	11.3	10.9
Charleston—North Charleston	168.8	170.7	175.8	12.5	15.6	15.7	7.4	9.2	8.9
Columbia	188.3	189.2	192.3	11.4	14.6	13.7	6.0	7.7	7.1
Greenville—Spartanburg	283.7	287.3	292.3	20.6	27.0	27.8	7.3	9.4	9.5
<b>SOUTH DAKOTA</b>	323.5	313.9	320.1	18.9	18.3	18.1	5.8	5.8	5.6
Sioux Falls	N.A.	63.0	63.0	N.A.	3.4	3.2	N.A.	5.3	5.1
<b>TENNESSEE</b>	2,106.0	2,101.7	2,090.9	200.3	258.7	250.1	9.5	12.3	12.0
Chattanooga <sup>1</sup>	200.6	202.6	202.7	17.8	23.7	23.6	8.9	11.7	11.7
Knoxville	228.0	228.3	232.2	17.5	18.9	20.8	7.7	8.3	9.0
Memphis <sup>1</sup>	408.0	404.7	400.9	32.9	39.2	38.6	8.1	9.7	9.6
Nashville—Davidson	429.2	424.7	422.5	30.7	38.6	37.5	7.2	9.1	8.9

See footnotes at end of table.



**STATE AND AREA UNEMPLOYMENT DATA**

**STATE AND AREA UNEMPLOYMENT DATA**

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P	MAR. 1981	FEB. 1982	MAR. 1982P
<b>TEXAS<sup>2</sup></b> .....	6,964.1	7,223.2	7,287.6	331.1	420.6	412.6	4.8	5.8	5.7
Dallas—Fort Worth .....	1,629.5	1,695.5	1,717.9	67.7	86.5	88.5	4.2	5.1	5.2
Houston .....	1,636.8	1,718.2	1,742.9	59.6	80.8	86.0	3.6	4.7	4.9
San Antonio .....	453.8	466.7	465.6	27.5	32.7	28.6	6.1	7.0	6.1
<b>UTAH</b> .....	638.6	664.4	664.1	46.2	60.9	54.1	7.2	9.2	8.1
Salt Lake City—Ogden .....	419.8	435.3	434.4	30.0	37.2	33.4	7.1	8.5	7.7
<b>VERMONT</b> .....	258.4	260.3	261.6	16.5	22.6	22.4	6.4	8.7	8.6
<b>VIRGINIA</b> .....	2,572.5	2,615.5	2,631.6	161.4	212.9	211.1	6.3	8.1	8.0
Lynchburg .....	74.7	75.2	75.4	4.3	5.3	5.5	5.7	7.0	7.4
Newport News—Hampton .....	162.7	165.3	166.6	10.5	12.3	12.1	6.4	7.4	7.3
Norfolk—Virginia Beach—Portsmouth <sup>1</sup> .....	327.3	335.4	337.0	21.7	25.0	25.1	6.6	7.5	7.4
Petersburg—Colonial Heights—Hopewell .....	57.8	60.0	60.0	4.6	6.4	6.1	7.9	10.7	10.1
Richmond .....	330.6	337.5	340.1	13.9	19.4	20.2	4.2	5.8	5.9
Roanoke .....	110.0	110.8	110.9	6.4	9.1	8.4	5.8	8.2	7.6
<b>WASHINGTON</b> .....	1,987.9	1,971.2	1,989.7	187.6	253.7	253.9	9.4	12.9	12.8
Seattle—Everett .....	871.7	862.8	866.8	67.2	89.6	92.2	7.7	10.4	10.6
Spokane .....	150.9	149.9	150.5	15.4	20.6	20.2	10.2	13.7	13.4
Tacoma .....	178.3	180.6	182.7	17.3	22.3	22.5	9.7	12.3	12.3
<b>WEST VIRGINIA</b> .....	787.3	770.3	763.4	89.3	95.2	86.6	11.3	12.4	11.3
Charleston .....	126.6	124.3	123.2	12.2	11.8	10.6	9.6	9.5	8.6
Huntington—Ashland <sup>1</sup> .....	127.3	124.2	123.3	14.7	15.4	14.8	11.5	12.4	12.0
Parkersburg—Marietta <sup>1</sup> .....	73.5	73.0	73.2	7.4	8.9	9.0	10.1	12.2	12.3
Wheeling <sup>1</sup> .....	81.9	82.2	81.8	8.6	10.8	10.0	10.5	13.2	12.3
<b>WISCONSIN</b> .....	2,357.0	2,335.9	2,356.3	223.0	226.9	235.5	9.5	9.7	10.0
Appleton—Oshkosh .....	146.8	146.5	147.1	13.3	14.6	14.1	9.1	10.0	9.6
Eau Claire .....	57.8	58.6	58.9	5.1	5.5	5.6	8.8	9.4	9.6
Green Bay .....	89.0	88.5	89.1	8.2	8.0	8.1	9.2	9.1	9.1
Janeville—Beloit .....	68.2	70.0	72.0	11.0	12.4	13.5	16.1	17.7	18.8
Kenosha .....	58.2	56.3	56.6	10.1	6.3	6.5	17.3	11.1	11.5
La Crosse .....	48.0	49.0	49.4	4.2	4.2	4.3	8.7	8.6	8.8
Madison .....	181.2	183.2	184.4	11.2	12.5	12.8	6.2	6.8	6.9
Milwaukee .....	716.6	702.7	710.1	57.9	56.1	61.6	8.1	8.0	8.7
Racine .....	87.6	82.9	83.7	9.8	9.3	9.8	11.2	11.2	11.7
<b>WYOMING</b> .....	240.6	246.7	253.7	11.3	11.9	12.3	4.7	4.8	4.9

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

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

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

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(in thousands)

State and area	Total			Mining			Construction			Manufacturing		
	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981
<b>1 ALABAMA</b>	1,362.0	1,358.3	1,349.8	16.7	16.9	15.4	75.4	72.1	66.2	374.9	362.0	352.2
2 Birmingham	358.0	351.4	343.1	9.9	9.6	8.0	21.7	20.2	19.0	70.3	64.4	59.8
3 Huntsville	120.0	119.5	122.1	(1)	(1)	(1)	4.5	4.1	3.9	36.7	36.0	36.5
4 Mobile	148.3	151.3	153.4	(1)	(1)	(1)	10.7	11.6	11.1	29.8	28.8	31.0
5 Montgomery	108.0	108.2	106.8	(1)	(1)	(1)	8.6	7.6	6.0	16.2	16.4	16.5
6 Tuscaloosa	50.2	50.2	50.8	1.4	2.2	2.3	2.8	2.4	2.5	9.3	8.5	8.1
<b>7 ALASKA</b>	166.9	169.4	177.3	5.8	6.5	7.7	10.1	10.3	12.1	12.7	13.4	12.0
<b>8 ARIZONA</b>	979.9	1,014.0	1,039.4	21.8	21.0	25.0	86.5	76.5	70.0	144.1	154.4	159.6
9 Phoenix	613.4	636.2	655.2	.3	.4	.4	56.5	50.6	47.8	106.6	114.0	116.6
10 Tucson	176.6	184.6	189.5	6.7	6.7	7.7	16.0	14.5	12.7	18.2	21.3	23.8
<b>11 ARKANSAS</b>	749.4	742.3	740.4	4.8	5.2	5.9	41.9	37.6	34.3	217.8	209.1	210.3
12 Fayetteville—Springdale	64.0	64.0	65.8	(1)	(1)	(1)	3.2	2.9	2.7	19.7	18.9	20.2
13 Fort Smith	68.3	68.4	69.5	.9	1.0	1.1	3.1	2.9	2.7	23.8	21.6	22.5
14 Little Rock—North Little Rock	181.5	180.8	179.2	(1)	(1)	(1)	9.9	9.5	8.8	31.9	30.7	29.6
15 Pine Bluff	32.7	32.8	31.5	(1)	(1)	(1)	3.0	3.1	2.0	6.2	6.2	6.3
<b>16 CALIFORNIA</b>	9,664.6	9,852.4	10,040.0	39.3	43.5	48.0	463.3	444.8	432.9	2,002.7	2,007.8	2,318.8
17 Anaheim—Santa Ana—Garden Grove	804.3	836.4	866.4	2.2	2.3	2.7	51.4	50.0	49.8	216.0	220.5	223.9
18 Bakersfield	125.7	130.2	136.0	10.7	11.9	14.0	7.2	7.3	7.0	9.4	9.3	10.1
19 Fresno	179.9	183.0	182.4	.9	1.0	1.0	12.4	11.2	9.9	23.5	23.4	23.1
20 Los Angeles—Long Beach	3,584.5	3,612.0	3,653.0	12.0	13.0	14.3	119.8	122.4	122.5	924.9	912.1	916.0
21 Modesto	87.2	87.6	89.0	.1	.1	.1	6.5	5.9	5.3	20.1	19.2	19.6
22 Oxnard—Simi Valley—Ventura	147.2	153.1	158.8	2.5	2.6	2.9	8.7	7.6	7.3	23.3	24.2	25.4
23 Riverside—San Bernardino—Ontario	430.2	433.7	440.0	2.6	2.3	2.2	29.6	26.1	23.9	67.2	63.6	64.0
24 Sacramento	393.4	398.6	406.2	.4	.6	.7	23.6	19.8	17.7	27.8	27.3	27.7
25 Salinas—Seaside—Monterey	86.8	88.3	89.9	.5	.4	.4	3.6	3.3	3.3	9.8	8.9	8.7
26 San Diego	636.7	550.2	662.8	.7	.6	.6	41.7	36.0	35.1	102.2	108.1	118.3
27 San Francisco—Oakland	1,522.5	1,562.6	1,581.5	2.5	3.4	4.0	74.8	75.1	75.3	204.9	202.3	230.2
28 San Jose	636.8	675.4	691.1	.2	.2	.1	26.2	26.1	24.4	224.9	243.0	247.2
29 Santa Barbara—Santa Maria—Lompoc	118.6	120.6	123.6	1.2	1.5	1.6	5.2	5.0	4.9	16.8	16.8	17.3
30 Santa Rosa	89.1	93.2	95.4	.4	.5	.5	6.3	5.7	5.5	14.3	15.0	15.3
31 Stockton	118.4	118.6	122.2	.1	.1	.1	6.3	5.9	5.8	21.6	21.0	22.3
32 Vallejo—Fairfield—Napa	97.6	99.3	101.6	.4	.5	.5	5.2	5.0	5.1	10.7	10.5	11.0
<b>33 COLORADO</b>	1,218.0	1,251.1	1,280.3	30.8	36.2	42.3	80.0	77.0	72.7	180.6	180.4	184.4
34 Denver—Boulder	777.4	799.3	820.1	16.4	20.1	25.6	48.5	46.2	42.5	124.0	124.3	128.1
<b>35 CONNECTICUT</b>	1,397.7	1,426.8	1,436.6	(3)	(3)	(3)	52.3	50.2	50.8	436.3	440.8	437.2
36 Bridgeport	166.4	169.7	169.8	(3)	(3)	(3)	5.1	4.4	4.4	65.2	65.0	64.9
37 Hartford	385.1	396.2	398.0	(3)	(3)	(3)	13.0	12.4	12.0	95.9	100.4	96.8
38 New Britain	62.9	64.7	63.1	(3)	(3)	(3)	2.2	2.2	2.2	29.2	30.2	29.2
39 New Haven—West Haven	192.0	190.6	189.0	(3)	(3)	(3)	7.1	7.0	6.3	44.8	43.9	42.0
40 Stamford	106.9	110.5	112.3	(3)	(3)	(3)	5.1	5.6	5.7	31.2	32.1	32.2
41 Waterbury	88.5	87.8	87.7	(3)	(3)	(3)	3.1	2.8	2.7	34.5	32.7	31.9
<b>42 DELAWARE</b>	256.7	259.2	258.6	(1)	(1)	(1)	15.6	14.7	13.4	70.2	70.9	70.9
43 Wilmington	228.8	228.6	228.1	(1)	(1)	(1)	16.1	14.9	13.8	64.7	64.5	54.7
<b>44 DISTRICT OF COLUMBIA</b>	612.5	616.1	612.1	(1)	(1)	(1)	14.3	13.2	11.8	15.3	15.4	14.7
45 Washington SMSA	1,555.6	1,592.5	1,602.3	(1)	(1)	(1)	85.9	81.7	76.3	56.0	58.2	58.5
<b>46 FLORIDA</b>	3,381.2	3,576.2	3,721.7	10.1	11.0	11.2	241.4	263.9	282.5	443.6	456.4	456.5
47 Bradenton	41.9	43.8	46.3	—	—	—	3.8	4.1	4.3	7.0	7.5	7.4
48 Daytona Beach	74.4	77.7	80.4	(1)	(1)	(1)	4.5	4.9	5.2	8.1	8.3	8.6
49 Fort Lauderdale—Hollywood	328.7	349.3	362.0	(1)	(1)	(1)	28.5	32.2	30.7	39.9	41.3	41.4
50 Fort Myers—Cape Coral	61.4	66.6	71.4	(1)	(1)	(1)	7.9	8.5	8.9	3.6	3.7	3.8
51 Gainesville	63.5	67.1	68.6	(1)	(1)	(1)	3.2	3.5	3.4	4.1	4.2	4.4
52 Jacksonville	286.8	293.8	299.9	(1)	(1)	(1)	15.7	16.4	18.0	34.5	33.9	34.1
53 Lakeland—Winter Haven	112.7	119.0	123.1	5.6	6.0	6.0	8.2	8.7	10.1	21.0	22.3	23.2
54 Melbourne—Titusville—Cocoa	97.5	102.2	106.4	(1)	(1)	(1)	6.4	6.3	6.6	20.4	22.8	23.7
55 Miami	689.6	730.5	745.7	(1)	(1)	(1)	34.8	39.6	40.3	98.6	99.7	99.3
56 Orlando	271.7	286.0	299.9	(1)	(1)	(1)	18.0	19.9	21.3	34.9	36.7	36.3
57 Panama City	32.5	33.3	34.4	(1)	(1)	(1)	2.1	2.1	2.2	3.4	3.6	3.6
58 Pensacola	96.1	98.0	99.5	(1)	(1)	(1)	6.6	7.4	7.2	13.2	12.8	12.6
59 Sarasota	68.5	70.8	73.0	(1)	(1)	(1)	7.7	7.5	7.5	6.1	6.2	6.3
60 Tallahassee	71.2	74.7	76.3	(1)	(1)	(1)	3.6	3.6	3.6	2.7	2.9	2.9
61 Tampa—St. Petersburg	521.2	548.9	570.4	(1)	(1)	(1)	37.7	40.7	42.4	73.0	76.5	79.2
62 West Palm Beach—Boca Raton	193.6	208.3	221.0	(1)	(1)	(1)	18.7	20.6	20.8	26.6	28.6	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. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	
71.7	71.5	71.7	275.6	273.3	271.4	58.3	58.6	59.3	197.8	204.4	210.9	291.6	299.5	292.7	1
28.7	29.0	29.5	85.2	82.8	81.3	22.7	22.8	23.0	64.6	66.7	68.9	54.9	55.9	53.6	2
2.7	2.6	2.7	22.0	21.4	21.8	3.4	3.5	3.6	17.0	17.6	18.7	33.7	34.3	34.9	3
10.9	10.8	10.4	36.3	37.0	36.8	7.0	7.0	7.3	27.8	29.0	29.8	25.8	27.1	27.0	4
4.8	4.8	4.5	24.0	23.7	23.5	6.1	6.2	6.3	19.4	20.3	20.8	28.9	29.2	29.2	5
1.9	1.8	1.8	9.8	9.6	10.0	1.7	1.7	1.7	6.0	6.3	6.5	17.3	17.7	17.9	6
16.7	17.0	17.9	29.4	29.1	30.9	8.5	8.2	8.5	29.4	30.0	31.1	54.4	55.0	57.2	7
48.8	51.3	53.8	233.4	243.0	254.1	55.6	58.2	61.1	193.5	207.7	216.0	196.2	201.8	199.7	8
29.2	30.7	32.9	155.6	162.0	169.9	42.9	44.9	47.3	123.6	132.8	140.7	98.7	100.8	99.5	9
8.7	9.0	9.3	39.3	40.8	42.3	8.0	8.5	8.8	36.8	39.6	41.2	42.9	44.3	44.1	10
43.6	43.3	43.4	162.1	159.8	160.0	31.0	31.3	31.9	109.1	114.9	116.8	139.1	141.1	137.8	11
3.7	3.9	3.9	15.3	15.5	16.0	2.2	2.3	2.3	8.5	9.2	9.4	11.4	11.3	11.3	12
3.7	3.7	3.6	14.5	14.5	14.5	2.4	2.5	2.6	11.4	12.6	12.4	8.5	9.6	10.1	13
13.9	14.0	13.6	42.0	41.9	42.0	12.3	12.4	12.7	33.6	34.0	35.5	37.9	38.3	37.0	14
4.1	4.0	3.9	6.6	6.4	6.3	1.3	1.4	1.3	4.9	4.9	5.2	6.6	6.8	6.5	15
534.7	546.3	553.0	2,223.8	2,266.9	2,316.6	595.9	623.1	646.3	2,070.0	2,156.2	2,261.2	1,735.0	1,763.9	1,763.2	16
26.2	27.3	29.4	192.0	201.3	211.1	52.7	57.2	61.7	162.4	172.1	182.6	101.3	105.6	105.2	17
7.6	7.7	8.0	32.3	33.6	34.5	4.6	4.8	5.2	22.2	23.6	24.8	31.8	32.1	32.4	18
10.5	11.0	10.9	47.2	48.6	48.3	10.6	11.0	11.5	34.9	36.0	37.4	40.0	40.9	40.3	19
198.3	200.8	200.9	814.1	816.9	821.8	224.2	234.6	240.5	808.7	829.3	862.1	482.8	482.9	474.9	20
3.8	3.9	3.9	21.3	21.4	21.7	3.3	3.3	3.6	16.0	16.8	17.6	16.2	17.0	17.2	21
6.2	6.5	6.9	34.5	36.2	38.1	7.0	7.5	8.3	28.8	30.7	32.0	36.2	37.5	37.9	22
24.2	25.6	26.2	103.3	106.3	108.7	18.6	18.9	19.8	87.4	89.7	94.3	97.4	101.3	101.0	23
21.6	21.8	22.4	91.6	93.0	94.8	20.8	22.0	22.5	70.0	73.4	77.9	137.6	140.7	142.6	24
4.8	5.2	5.2	22.5	22.7	23.4	4.2	4.4	4.4	19.0	19.6	20.1	22.4	23.9	24.4	25
28.0	28.7	29.5	146.4	148.8	151.6	37.2	38.7	40.8	142.5	148.2	155.2	138.1	141.2	141.7	26
126.0	130.0	130.8	351.2	360.2	363.5	139.9	146.3	150.6	337.1	354.1	370.4	286.1	291.1	286.6	27
21.1	21.7	22.5	118.4	125.2	129.5	25.8	27.6	28.7	141.5	151.7	158.7	78.9	79.9	80.1	28
4.6	5.1	5.3	29.1	29.1	29.3	5.4	5.7	5.9	31.8	32.9	33.9	24.3	24.6	24.8	29
4.2	4.6	4.9	21.4	22.6	23.3	5.5	5.8	6.0	17.4	18.9	20.2	19.6	20.1	19.7	30
8.4	8.2	8.3	27.2	27.7	28.3	4.9	5.1	5.3	22.9	23.8	25.0	26.9	26.9	27.1	31
4.5	4.7	4.7	20.6	21.2	22.3	3.4	3.3	3.4	18.3	19.5	19.9	34.6	34.7	34.7	32
76.1	79.3	81.5	297.7	304.7	311.0	73.8	76.4	79.6	240.1	253.4	265.9	238.8	243.6	242.9	33
53.9	55.5	57.0	188.3	192.4	194.5	52.7	54.0	56.5	158.6	168.6	178.4	134.9	138.2	137.4	34
60.8	60.8	61.0	294.8	299.0	303.1	99.6	105.1	110.6	272.6	285.7	289.8	181.3	185.2	184.0	35
6.1	6.0	6.1	34.4	35.6	34.9	6.8	7.5	7.7	32.2	34.4	35.2	16.6	16.8	16.6	36
13.8	13.8	14.3	80.5	80.9	84.4	57.1	60.3	61.8	71.6	74.6	75.0	53.2	53.8	53.7	37
3.0	3.2	3.2	10.3	10.5	10.3	1.8	1.8	1.9	9.9	10.4	10.0	6.5	6.4	6.3	38
15.9	15.7	15.6	41.1	40.5	40.5	10.4	10.9	11.1	47.4	47.5	49.0	25.3	25.1	24.5	39
3.8	4.3	4.6	23.9	24.7	25.6	7.4	7.7	8.3	25.6	26.0	25.8	9.9	10.1	10.1	40
3.2	3.1	3.1	15.5	15.8	15.8	3.4	3.5	3.8	17.9	18.7	19.0	10.9	11.2	11.4	41
12.4	12.1	12.1	56.5	56.0	56.4	11.8	12.3	12.8	45.8	48.0	48.8	44.4	45.2	44.3	42
12.0	11.7	11.8	47.8	47.2	47.2	10.9	11.4	11.9	41.1	43.0	43.7	36.2	36.0	35.1	43
26.0	25.7	26.4	65.3	63.6	63.6	34.7	34.4	34.3	172.5	181.5	186.5	284.5	282.2	274.8	44
67.5	71.4	72.3	296.7	301.5	309.4	88.7	90.2	91.6	406.9	429.9	446.7	553.9	559.6	547.4	45
208.5	220.8	228.6	889.5	939.8	983.0	235.0	254.2	271.9	752.6	811.3	863.4	600.5	618.8	614.6	46
1.4	1.4	1.5	11.9	11.7	12.0	2.6	2.9	3.2	7.8	8.3	8.8	7.4	7.9	9.1	47
3.0	3.3	3.3	21.1	22.0	22.7	4.1	4.3	4.7	20.0	21.1	21.4	13.6	13.8	14.5	48
15.9	16.8	17.6	96.9	103.5	106.0	27.0	29.6	31.5	76.8	82.0	86.7	43.7	43.9	48.1	49
3.5	3.8	4.3	18.3	19.8	20.6	5.2	5.9	6.5	12.3	14.2	16.2	10.4	10.7	11.1	50
1.6	1.6	1.6	13.8	14.0	14.4	2.7	2.8	3.0	10.4	12.2	14.1	27.7	28.8	27.7	51
23.4	24.5	24.7	74.8	75.5	78.1	27.4	27.8	28.1	58.2	62.1	63.8	52.8	53.6	53.1	52
4.9	5.3	5.3	28.2	30.2	30.6	6.1	6.6	6.8	22.1	23.2	24.2	16.6	16.7	16.9	53
4.4	4.6	4.6	20.9	21.5	22.6	4.0	4.0	4.3	22.9	24.3	25.8	18.5	18.7	18.8	54
67.9	72.1	73.6	180.4	192.4	197.5	49.0	53.6	57.6	167.3	176.9	182.2	91.6	96.2	95.2	55
14.3	15.0	15.1	75.0	79.1	81.0	17.8	19.6	20.4	70.9	76.3	81.3	40.8	41.4	42.5	56
1.8	2.1	2.1	9.0	9.0	9.4	1.7	1.6	1.6	6.0	6.4	6.8	8.5	8.5	8.7	57
5.1	5.0	4.9	22.6	23.1	24.1	4.4	4.3	4.4	19.3	20.3	20.7	24.9	25.1	25.6	58
2.8	3.1	3.2	20.1	21.0	21.9	5.6	5.8	6.0	16.6	17.3	18.3	9.6	9.9	9.8	59
2.3	2.9	3.0	14.6	15.0	15.5	3.2	3.3	3.5	11.1	13.5	13.8	33.7	33.5	34.0	60
28.9	30.5	32.2	144.1	152.4	158.3	36.5	38.9	41.2	122.1	130.1	137.2	78.9	79.8	79.9	61
8.0	8.4	9.4	49.3	53.7	58.2	16.1	17.5	18.4	45.8	49.2	54.4	29.1	30.3	31.1	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 areas	Total			Mining			Construction			Manufacturing		
		AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981
1	GEORGIA	2,127.5	2,159.4	2,183.1	7.7	7.8	7.8	103.6	105.2	102.4	528.5	519.2	519.9
2	Albany	43.8	43.6	44.6	(1)	(1)	(1)	3.9	2.4	2.1	10.6	11.4	12.0
3	Atlanta	940.2	968.4	989.2	(1)	(1)	(1)	43.5	46.5	45.5	143.8	143.9	146.2
4	Augusta	120.8	121.9	122.4	(1)	(1)	(1)	6.6	5.7	5.4	36.1	36.1	35.7
5	Columbus	82.0	80.4	81.3	(1)	(1)	(1)	4.3	3.8	4.8	21.2	21.3	21.3
6	Macon	96.2	97.3	97.9	(1)	(1)	(1)	4.6	4.5	3.7	15.6	16.1	17.0
7	Savannah	86.2	86.2	88.1	(1)	(1)	(1)	5.2	5.1	4.8	16.9	16.6	16.7
8	HAWAII	394.1	404.7	404.6	(1)	(1)	(1)	23.4	23.9	22.3	24.0	24.0	23.2
9	Honolulu	325.8	333.0	332.7	(1)	(1)	(1)	19.0	19.0	18.2	17.7	17.1	16.9
10	IDAHO	338.0	330.0	326.3	4.3	4.7	4.9	19.1	17.4	16.3	58.3	53.3	52.3
11	Boise City	81.0	79.1	77.0	(1)	(1)	(1)	6.0	5.8	5.4	9.4	8.6	8.6
12	ILLINOIS	4,883.3	4,867.1	4,752.5	31.1	31.3	26.7	188.0	188.4	168.9	1,271.6	1,208.2	1,134.9
13	Bloomington—Normal	50.5	50.2	50.6	(3)	(3)	(3)	1.6	1.8	1.7	7.8	7.0	6.9
14	Champaign—Urbana—Rantoul	72.1	76.6	75.3	(3)	(3)	(3)	2.3	1.7	1.6	7.8	7.8	7.7
15	Chicago—Gary	3,524.4	3,528.3	3,229.4	(*)	(*)	(*)	139.2	140.4	(*)	956.1	916.0	(*)
16	Chicago SMSA	3,218.4	3,245.7	3,229.4	5.0	4.7	4.0	120.5	123.3	100.4	852.3	812.2	773.0
17	Davenport—Rock Island—Moline	165.7	164.4	162.9	(3)	(3)	(3)	7.8	7.3	7.4	50.1	50.0	49.9
18	Decatur	53.5	54.8	56.0	(3)	(3)	(3)	2.7	2.4	2.3	19.1	19.9	20.3
19	Kankakee	35.7	35.0	33.4	(3)	(3)	(3)	1.6	1.8	1.7	10.0	9.5	8.9
20	Peoria	147.3	151.8	147.6	(3)	(3)	(3)	7.9	7.4	6.8	44.8	51.1	47.8
21	Rockford	124.1	118.6	116.5	(3)	(3)	(3)	3.6	3.5	3.6	57.0	50.9	49.0
22	Springfield	85.6	87.0	86.9	(3)	(3)	(3)	3.7	4.1	3.9	6.8	6.3	6.4
23	INDIANA	2,236.3	2,137.1	2,114.8	10.2	10.1	9.0	106.0	91.6	86.7	733.2	658.0	556.9
24	Anderson	52.6	46.3	45.8	(1)	(1)	(1)	1.5	1.1	1.0	24.5	19.7	19.8
25	Elkhart	76.1	68.0	67.8	-	-	-	2.9	2.2	2.1	39.9	34.2	34.4
26	Evansville	131.4	128.3	126.6	2.9	2.9	2.6	8.7	7.2	6.8	39.0	36.9	36.2
27	Fort Wayne	181.9	172.8	171.5	(1)	(1)	(1)	8.5	8.2	7.7	61.2	53.1	53.5
28	Gary—Hammond—East Chicago	267.8	253.1	249.3	(1)	(1)	(1)	18.7	15.3	14.6	103.8	93.6	90.7
29	Indianapolis	537.3	533.2	531.8	(1)	(1)	(1)	25.0	23.4	22.3	132.3	123.3	122.4
30	Lafayette—West Lafayette	57.6	56.8	57.0	(1)	(1)	(1)	2.3	2.3	2.6	12.6	11.6	11.2
31	Muncie	50.8	49.3	48.6	(1)	(1)	(1)	1.9	1.6	1.3	14.8	13.3	12.5
32	South Bend	116.6	109.7	106.6	(1)	(1)	(1)	5.8	4.7	4.4	34.6	31.0	30.5
33	Terre Haute	67.0	65.3	61.3	1.4	1.4	1.2	3.8	3.9	3.3	17.5	16.1	15.1
34	IOWA	1,131.7	1,109.9	1,090.1	2.6	2.2	1.9	59.9	50.9	45.3	259.8	244.8	235.9
35	Cedar Rapids	87.4	85.2	81.4	(1)	(1)	(1)	4.8	3.7	3.3	30.4	28.3	26.0
36	Des Moines	183.9	181.2	175.9	(1)	(1)	(1)	8.8	7.7	6.4	27.1	24.6	23.4
37	Dubuque	45.0	43.7	41.8	(1)	(1)	(1)	1.9	1.5	1.2	16.6	15.5	14.4
38	Sioux City	50.2	49.1	49.0	(1)	(1)	(1)	2.7	2.3	2.0	9.6	8.8	9.1
39	Waterloo—Cedar Falls	67.2	66.3	64.6	(1)	(1)	(1)	3.2	2.6	2.0	23.2	23.3	22.8
40	KANSAS	946.8	944.7	949.1	13.7	16.1	19.1	49.9	46.5	42.5	198.9	190.5	187.9
41	Lawrence	28.1	28.2	28.1	(3)	(3)	(3)	1.4	1.1	.9	4.8	4.8	4.7
42	Topeka	86.5	86.3	85.8	.2	.2	.2	4.0	3.8	3.3	11.6	10.5	10.1
43	Wichita	202.8	205.3	207.8	2.2	2.7	3.5	9.9	10.2	9.8	65.2	64.7	54.2
44	KENTUCKY	1,245.4	1,210.0	1,193.2	54.5	52.8	50.5	69.2	58.0	51.4	297.2	276.2	272.1
45	Lexington—Fayette	146.7	143.1	143.6	(1)	(1)	(1)	8.1	6.7	6.0	31.2	29.7	29.5
46	Louisville	402.7	390.4	383.4	(1)	(1)	(1)	19.9	16.7	17.2	109.4	99.9	96.5
47	Owensboro	30.9	31.3	31.3	.8	1.0	1.1	2.2	2.0	1.7	6.9	7.0	6.7
48	LOUISIANA	1,517.4	1,571.1	1,627.5	78.5	87.3	97.4	131.8	140.6	139.3	213.6	212.2	220.1
49	Alexandria	51.4	52.4	53.3	(1)	(1)	(1)	3.6	4.1	4.0	6.0	5.7	5.3
50	Baton Rouge	195.3	203.9	205.4	1.0	1.3	1.2	24.0	24.1	25.2	25.6	25.9	26.4
51	Lafayette	72.9	79.5	89.6	12.5	15.1	18.3	5.6	5.7	5.7	3.7	4.2	4.7
52	Lake Charles	63.5	66.3	70.9	1.7	2.1	2.4	8.4	9.5	10.5	13.0	13.5	13.4
53	Monroe	50.3	51.1	50.9	.6	.6	.7	4.2	4.0	3.4	8.6	8.1	7.9
54	New Orleans	492.9	507.1	518.7	16.4	18.0	20.1	31.3	31.4	30.6	53.9	52.8	52.7
55	Shreveport	147.0	147.8	151.4	5.2	6.5	7.8	11.5	9.5	8.5	28.4	26.9	27.9
56	MAINE	415.9	418.3	417.1	(1)	(1)	(1)	19.4	19.5	17.3	114.6	113.2	112.8
57	Lewiston—Auburn	34.8	35.0	34.5	(1)	(1)	(1)	1.5	1.3	1.3	12.0	12.0	11.7
58	Portland	89.5	91.7	92.7	(1)	(1)	(1)	4.0	3.8	3.7	17.9	18.4	18.0
59	MARYLAND	1,691.3	1,711.8	1,710.1	(1)	(1)	(1)	107.4	102.9	95.9	246.9	236.7	231.0
60	Baltimore SMSA	958.5	960.9	957.8	(1)	(1)	(1)	52.8	50.7	45.4	168.2	159.8	155.4
61	Baltimore City	461.3	461.3	450.5	(1)	(1)	(1)	18.2	17.9	17.1	74.8	69.0	54.3

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. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	
136.0	140.4	143.6	495.0	499.6	503.1	108.6	112.1	113.7	329.3	345.7	358.5	418.7	429.2	434.0	1
2.0	2.3	2.3	9.7	9.3	9.3	2.0	1.9	2.0	5.9	6.2	6.3	9.7	10.1	10.6	2
83.4	85.8	89.1	260.4	265.7	269.7	54.5	67.4	67.6	188.5	199.3	208.7	156.1	159.7	162.4	3
4.3	4.3	4.4	23.2	22.7	22.6	4.6	4.5	4.5	16.3	17.5	18.1	29.6	31.0	31.8	4
3.4	3.4	3.3	17.5	16.3	15.9	5.3	5.4	5.4	11.1	11.1	11.5	19.2	19.1	19.2	5
4.8	4.7	4.5	20.4	20.2	20.0	5.8	5.7	6.2	16.2	17.1	17.2	28.7	29.0	29.3	6
9.0	9.4	8.9	19.9	20.3	21.7	4.0	4.0	4.1	15.2	15.1	15.8	16.1	15.7	16.1	7
30.5	31.2	31.3	102.9	105.3	105.5	31.5	32.8	32.2	95.3	98.5	101.1	86.5	89.0	89.0	8
25.4	26.0	26.2	85.7	87.6	87.5	27.4	28.5	27.5	77.2	79.3	81.0	73.4	75.5	75.4	9
20.5	20.1	19.7	83.4	80.6	79.8	23.4	23.4	23.2	59.4	60.0	60.0	69.6	70.5	70.1	10
5.2	5.2	5.0	21.3	20.6	19.6	8.4	8.1	8.1	14.7	14.6	14.3	16.2	16.2	16.0	11
288.9	285.7	284.4	1,141.7	1,130.7	1,096.6	295.2	314.3	316.7	923.7	942.3	957.2	743.2	766.3	767.2	12
3.1	3.1	3.1	11.4	12.3	12.2	7.9	7.7	7.7	8.3	8.4	8.3	10.4	10.0	10.6	13
2.5	2.7	2.6	17.8	19.6	19.3	2.4	2.6	2.5	10.2	11.7	11.5	29.1	30.6	30.1	14
214.8	207.9	(*)	809.3	817.1	(*)	229.5	230.5	(*)	679.8	690.7	(*)	490.8	520.8	(*)	15
199.0	194.8	197.2	755.9	770.9	763.2	219.9	228.4	243.9	644.0	667.5	696.2	421.9	443.9	451.6	16
8.1	6.9	6.9	40.6	41.0	40.6	7.1	7.2	7.2	25.0	25.2	24.6	27.0	26.7	26.2	17
5.1	5.2	5.3	10.7	11.1	11.6	2.8	2.8	2.7	8.3	8.6	8.7	4.9	4.9	5.2	18
1.5	1.5	1.4	7.9	7.4	6.9	1.1	1.2	1.1	6.4	6.3	6.4	7.1	7.4	7.1	19
8.2	7.8	7.9	36.3	35.6	34.8	7.0	7.2	7.1	25.9	25.5	25.8	17.2	17.2	17.4	20
5.1	4.8	4.4	25.0	25.0	24.6	4.2	4.2	4.2	16.9	17.9	18.4	12.3	12.4	12.3	21
5.3	5.0	4.7	19.2	19.4	19.0	6.7	6.6	6.7	16.3	17.4	18.0	27.7	28.2	28.1	22
111.8	105.0	103.5	494.4	478.2	469.0	101.3	101.9	101.3	331.7	337.1	341.0	347.6	355.2	347.4	23
1.5	1.4	1.3	10.4	9.5	9.3	1.7	1.6	1.6	7.3	7.2	7.2	5.7	5.8	5.6	24
2.5	2.1	2.1	14.8	13.4	13.1	2.1	2.1	2.2	8.9	8.9	8.9	5.9	5.1	5.0	25
7.1	7.2	7.1	31.7	30.8	31.0	4.5	4.6	4.7	24.6	25.5	25.4	12.9	13.2	12.8	26
11.7	11.0	10.9	43.4	42.4	41.9	10.5	10.6	10.6	28.6	29.0	29.0	18.0	18.5	17.9	27
15.8	13.2	14.3	53.4	52.0	51.2	9.6	9.4	9.2	35.8	36.9	37.5	30.7	32.7	31.8	28
31.9	31.4	31.1	133.6	132.4	132.5	37.8	38.4	38.7	90.2	94.9	97.2	86.5	89.4	87.6	29
1.6	1.5	1.4	11.4	11.0	11.0	2.8	2.6	2.5	8.9	9.2	9.4	18.0	18.6	18.9	30
2.1	2.0	2.0	12.0	12.1	12.3	1.6	1.6	1.5	7.7	8.0	8.3	10.7	10.7	10.7	31
5.3	4.5	4.5	28.7	27.4	25.7	5.4	5.4	5.3	24.1	24.0	23.5	12.7	12.7	12.7	32
3.8	3.6	3.4	17.1	16.4	15.1	2.1	2.2	2.1	9.4	9.5	9.4	11.9	12.2	11.7	33
58.2	56.3	54.0	286.4	280.7	274.6	56.8	58.3	59.2	203.4	209.3	209.2	204.5	207.4	209.9	34
4.1	3.8	3.8	19.1	19.6	19.0	4.4	4.5	4.3	15.3	15.7	15.8	9.4	9.5	9.2	35
11.8	11.4	11.0	48.8	47.4	45.8	20.5	21.4	22.0	38.9	40.2	40.0	28.0	28.4	27.4	36
1.8	1.7	1.6	9.4	9.3	9.2	1.3	1.3	1.3	10.2	10.2	10.4	4.0	4.0	3.7	37
4.1	3.9	3.8	13.3	13.0	12.9	2.8	2.9	2.8	11.6	12.0	12.3	6.2	6.2	6.1	38
2.7	2.5	2.4	14.4	13.9	13.6	2.1	2.1	2.1	10.9	10.9	11.0	10.8	10.9	10.7	39
65.3	63.7	63.0	225.7	226.4	228.2	46.3	47.2	47.9	163.7	166.8	173.7	183.3	187.4	186.8	40
1.5	1.4	1.4	5.6	5.6	5.5	.8	.8	.8	3.6	3.8	4.0	10.4	10.7	10.8	41
7.5	8.0	8.2	18.8	18.7	18.6	5.0	6.0	6.0	16.7	17.2	17.6	21.7	21.9	21.8	42
10.3	10.6	10.2	44.9	45.2	47.2	9.1	9.3	9.6	37.3	38.7	39.9	23.9	23.9	23.4	43
70.2	68.5	67.1	268.1	260.8	258.3	51.0	52.3	52.0	204.8	210.5	214.7	230.4	230.9	227.1	44
7.3	7.3	7.5	33.0	32.0	31.8	7.1	7.2	7.2	26.7	26.9	28.7	33.3	33.3	33.0	45
25.1	24.1	23.4	90.1	89.0	87.3	22.8	23.2	24.2	75.0	77.2	78.7	60.4	60.3	58.1	46
2.3	2.4	2.3	7.3	7.1	7.2	1.2	1.2	1.3	5.6	5.9	6.2	4.6	4.7	4.8	47
119.1	124.3	132.1	354.2	355.9	369.2	73.3	74.7	75.1	257.2	270.0	288.1	289.7	306.1	306.2	48
2.6	2.5	2.4	11.3	11.2	11.6	2.7	2.9	2.9	10.0	10.5	11.2	15.2	15.5	15.9	49
10.1	11.0	10.8	43.0	44.5	46.2	11.2	11.1	12.2	31.3	33.4	35.4	49.1	52.6	48.0	50
5.1	5.8	6.8	19.5	20.8	23.3	2.4	2.7	3.1	14.2	15.3	17.3	9.9	9.9	10.4	51
3.6	3.7	4.4	14.1	14.4	15.1	2.6	2.8	2.9	9.1	9.6	10.8	11.0	10.7	11.4	52
2.5	2.6	2.7	13.1	13.1	13.2	3.5	3.7	3.9	7.7	8.4	8.8	10.1	10.6	10.3	53
51.2	53.9	55.8	124.4	127.7	130.2	29.7	30.3	31.1	106.3	112.5	116.2	79.7	80.5	82.0	54
10.0	9.6	9.3	35.0	35.3	35.6	7.0	7.2	7.2	26.1	27.9	29.5	23.8	24.9	25.6	55
18.7	18.7	18.5	89.6	88.9	88.7	16.2	16.5	17.0	74.8	78.2	80.2	82.6	83.3	82.6	56
1.1	1.2	1.2	8.0	8.1	8.0	1.5	1.5	1.7	7.3	7.6	7.5	3.4	3.3	3.1	57
5.3	5.5	5.7	24.1	24.4	25.0	7.1	7.3	7.5	18.5	19.4	20.4	12.6	12.9	12.4	58
86.0	85.3	85.9	399.4	401.7	405.5	89.8	91.9	93.3	343.1	358.5	376.6	418.7	434.8	421.9	59
58.5	57.3	57.7	219.7	217.1	221.8	55.9	56.9	57.7	185.5	191.4	199.3	217.9	227.7	220.5	60
40.4	39.4	39.5	96.9	98.1	97.1	38.7	38.7	38.6	96.1	102.6	106.1	96.2	95.6	87.8	61

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981
<b>1 MASSACHUSETTS</b> .....	2,603.5	2,652.2	2,654.1	(1)	(1)	(1)	75.6	77.4	78.3	672.1	674.9	556.8
2 Boston .....	1,443.5	1,474.1	1,476.1	(1)	(1)	(1)	41.1	43.0	43.1	291.9	294.9	293.4
3 Brockton .....	57.8	57.4	57.4	(1)	(1)	(1)	1.6	1.5	1.5	12.7	12.7	12.5
4 Fall River .....	55.1	54.1	53.5	(1)	(1)	(1)	1.5	1.4	1.3	20.5	20.1	20.0
5 Lawrence—Haverhill .....	109.1	112.6	115.3	(1)	(1)	(1)	3.0	2.9	2.8	41.6	44.4	46.4
6 Lowell .....	74.6	77.6	78.5	(1)	(1)	(1)	2.8	2.7	2.7	26.1	28.4	29.1
7 New Bedford .....	65.2	64.8	64.4	(1)	(1)	(1)	1.6	1.6	1.5	26.1	25.5	25.9
8 Springfield—Chicopee—Holyoke .....	236.2	238.2	235.1	(1)	(1)	(1)	6.2	6.1	6.1	67.4	66.8	53.6
9 Worcester .....	165.4	166.4	165.3	(1)	(1)	(1)	5.1	5.5	5.0	50.5	49.3	47.9
<b>10 MICHIGAN</b> .....	3,637.1	3,442.8	3,377.6	13.2	12.5	12.1	139.5	116.8	103.0	1,160.2	998.9	977.6
11 Ann Arbor .....	141.8	139.5	135.8	(1)	(1)	(1)	3.2	2.9	2.3	46.8	40.9	37.6
12 Battle Creek .....	66.3	63.9	62.4	(1)	(1)	(1)	1.8	1.7	1.5	23.8	20.9	19.8
13 Bay City .....	35.6	34.6	34.4	(1)	(1)	(1)	1.3	1.1	1.0	10.8	9.4	9.3
14 Benton Harbor .....	(*)	61.0	59.5	(*)	(1)	(1)	(*)	2.2	1.8	(*)	21.4	21.0
15 Detroit .....	1,791.8	1,676.5	1,631.1	1.4	1.3	1.1	62.9	52.2	46.5	580.6	491.4	467.2
16 Flint .....	201.7	186.3	188.6	(1)	(1)	(1)	6.2	5.1	5.4	85.1	70.4	72.4
17 Grand Rapids .....	271.1	266.2	268.7	(1)	(1)	(1)	13.5	11.6	10.9	96.0	89.0	89.7
18 Jackson .....	54.9	52.3	50.6	(1)	(1)	(1)	1.9	1.6	1.2	16.7	14.5	14.1
19 Kalamazoo—Portage .....	111.2	109.8	109.8	(1)	(1)	(1)	4.8	4.8	4.2	36.0	32.9	32.3
20 Lansing—East Lansing .....	194.7	191.3	193.3	(1)	(1)	(1)	6.6	5.9	5.1	44.7	37.9	41.1
21 Muskegon—Norton Shores—Muske. Hts. ....	62.1	60.2	59.3	(1)	(1)	(1)	3.0	2.2	2.0	22.5	20.3	19.9
22 Saginaw .....	90.5	84.5	84.2	(1)	(1)	(1)	3.1	2.7	2.3	36.2	28.6	29.7
<b>23 MINNESOTA</b> .....	1,767.0	1,770.2	1,762.6	17.3	15.6	15.7	83.2	76.4	67.9	381.6	370.9	352.3
24 Duluth—Superior .....	61.5	60.5	58.6	(1)	(1)	(1)	2.3	2.2	1.8	7.9	7.7	7.3
25 Minneapolis—St. Paul .....	1,076.8	1,092.1	1,090.6	(1)	(1)	(1)	46.8	45.5	39.3	248.8	246.2	242.3
26 Rochester .....	49.7	50.4	51.2	(3)	(3)	(3)	2.2	2.0	1.7	10.3	10.2	10.4
27 St. Cloud .....	54.4	54.9	54.9	(1)	(1)	(1)	3.0	2.9	3.1	12.6	12.2	11.9
<b>28 MISSISSIPPI</b> .....	838.1	829.3	820.8	9.3	10.8	12.6	46.7	43.5	41.9	235.2	221.8	221.3
29 Jackson .....	146.4	147.2	147.5	1.2	1.4	2.0	8.2	7.6	6.4	19.1	19.0	18.8
<b>30 MISSOURI</b> .....	2,011.1	1,969.8	1,971.2	8.2	7.6	6.8	92.4	82.1	86.7	464.4	437.0	427.3
31 Kansas City .....	640.8	627.6	622.4	.6	.5	.5	29.3	25.4	22.8	127.9	119.8	116.4
32 St. Joseph .....	37.4	37.4	36.2	(3)	(3)	(3)	1.9	2.0	1.8	9.3	9.2	8.7
33 St. Louis .....	1,026.6	1,301.8	992.7	3.2	3.5	3.2	48.6	43.8	43.8	259.2	239.4	231.7
34 Springfield .....	85.7	85.3	87.1	(3)	(3)	(3)	4.1	3.6	3.3	18.7	18.1	18.1
<b>35 MONTANA</b> .....	283.8	280.4	285.2	7.7	8.8	11.5	15.6	14.5	13.4	27.0	24.2	23.5
36 Billings .....	47.2	46.9	48.2	(1)	(1)	(1)	2.7	2.3	2.3	4.4	4.2	4.2
37 Great Falls .....	29.8	29.2	29.2	(1)	(1)	(1)	1.9	1.6	1.4	1.7	1.6	1.4
<b>38 NEBRASKA</b> .....	631.2	627.6	624.8	1.8	1.9	1.7	32.5	29.1	26.3	99.6	96.4	95.0
39 Lincoln .....	100.6	100.5	99.3	(3)	(3)	(3)	4.7	4.0	3.4	13.8	13.5	13.1
40 Omaha .....	267.1	263.8	264.3	(3)	(3)	(3)	12.0	10.6	10.0	37.2	35.8	35.6
<b>41 NEVADA</b> .....	383.7	400.0	414.0	4.7	6.2	7.9	27.3	26.2	25.7	19.4	19.2	20.4
42 Las Vegas .....	210.5	221.1	229.8	.4	.5	.6	15.5	14.1	14.8	6.9	6.9	7.4
43 Reno .....	113.7	114.4	115.4	.8	1.0	.8	7.8	7.2	6.4	8.4	8.1	8.5
<b>44 NEW HAMPSHIRE</b> .....	378.5	385.4	394.2	(3)	(3)	(3)	21.3	19.8	20.5	116.5	116.6	116.4
45 Manchester .....	74.7	74.0	74.7	(3)	(3)	(3)	3.6	3.3	3.1	18.8	17.5	17.0
46 Nashua .....	60.4	64.0	67.2	(3)	(3)	(3)	2.7	2.6	2.6	28.0	30.2	31.2
<b>47 NEW JERSEY</b> .....	3,027.2	3,058.0	3,085.9	2.6	2.4	2.4	113.7	111.2	109.2	799.2	780.9	771.0
48 Atlantic City .....	81.9	90.6	99.5	-	-	-	7.0	5.7	5.5	9.1	8.7	8.2
49 Camden .....	334.5	337.4	343.8	.1	.1	.1	14.8	13.7	13.1	71.6	70.5	70.9
50 Hackensack .....	392.0	394.9	397.3	(1)	(1)	(1)	13.5	14.1	14.7	113.4	111.5	109.2
51 Jersey City .....	230.7	227.8	224.2	-	-	-	4.4	4.6	5.0	70.7	68.5	67.0
52 Long Branch—Asbury Park .....	158.9	163.3	168.0	(1)	(1)	(1)	6.6	6.5	6.8	24.3	24.7	25.3
53 New Bruns.—Perth Amboy—Sayreville .....	283.8	288.9	292.6	(1)	(1)	(1)	10.5	10.0	10.6	90.6	89.9	90.7
54 Newark .....	936.4	939.2	943.0	.8	.7	.8	33.1	32.7	31.5	254.0	249.0	244.7
55 Paterson—Clifton—Passaic .....	190.2	189.1	190.8	(1)	(1)	(1)	7.0	6.7	6.4	68.8	67.6	57.1
56 Trenton .....	162.4	162.2	162.7	(1)	(1)	(1)	3.1	3.3	3.3	36.3	33.9	33.3
57 Vineland—Millville—Bridgeton .....	54.3	54.3	53.8	(1)	(1)	(1)	1.7	1.8	1.9	18.5	18.1	17.7
<b>58 NEW MEXICO</b> .....	461.0	465.4	475.3	27.1	29.4	31.3	35.6	32.1	33.0	34.8	34.4	34.1
59 Albuquerque .....	186.8	186.9	188.9	(1)	(1)	(1)	15.6	13.1	12.0	17.9	17.9	17.7
60 Las Cruces .....	29.6	29.5	29.9	-	-	-	2.1	1.8	1.7	2.8	2.7	2.6

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. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	
120.5	121.6	119.8	566.3	574.5	575.1	150.4	159.0	164.0	601.9	634.5	663.6	416.7	410.3	386.5	1
71.7	73.1	71.2	214.1	320.0	320.0	103.8	109.4	112.6	403.1	420.1	437.9	217.8	213.6	197.9	2
4.2	3.7	3.4	15.6	15.3	15.2	2.1	2.1	2.2	9.3	10.1	10.5	12.3	12.0	12.1	3
1.9	1.9	1.8	11.5	11.2	11.5	2.7	2.7	2.8	8.9	9.2	9.1	8.1	7.6	7.0	4
4.5	4.7	4.9	21.7	21.6	22.0	4.0	4.1	4.3	17.0	18.0	18.5	17.3	16.9	16.4	5
3.2	3.2	3.3	15.5	16.0	16.4	2.0	2.1	2.2	11.9	12.6	12.8	13.1	12.6	12.0	6
2.4	2.5	2.3	12.5	12.6	12.6	2.0	2.0	2.1	9.5	9.8	10.3	11.1	10.8	9.7	7
9.4	9.3	9.3	47.9	48.2	48.3	12.6	13.2	13.4	43.9	46.0	48.0	48.8	48.6	46.5	8
6.9	7.2	7.4	35.2	35.8	36.1	8.9	9.5	10.0	32.3	33.4	35.2	26.5	25.7	23.7	9
160.6	152.2	144.8	761.3	733.7	713.3	154.5	150.5	154.0	626.7	644.4	655.2	621.0	627.8	617.7	10
3.5	3.3	3.3	19.5	19.8	20.0	3.9	4.1	4.0	21.6	23.0	24.0	43.3	45.5	44.6	11
2.5	2.3	2.3	11.2	10.8	10.7	3.7	4.2	4.3	11.1	11.3	11.7	12.2	12.4	12.2	12
1.8	1.8	1.7	8.4	8.3	8.7	1.3	1.3	1.4	6.5	6.8	7.1	5.5	5.5	5.5	13
(*)	2.1	2.1	(*)	12.2	11.6	(*)	2.1	2.0	(*)	12.1	12.3	(*)	8.9	8.7	14
87.0	81.2	77.1	374.6	364.2	358.1	88.5	89.4	98.4	341.2	346.0	349.2	255.7	250.9	243.6	15
6.8	6.2	5.9	39.7	40.1	40.1	6.6	6.4	6.4	29.0	28.6	29.1	28.3	29.7	29.2	16
11.5	11.4	11.1	59.8	61.0	63.9	10.5	10.9	11.0	48.2	49.7	51.0	31.3	32.6	31.1	17
5.1	5.1	5.0	11.0	10.7	10.3	1.7	1.7	1.6	9.8	9.7	9.6	8.7	9.0	8.6	18
4.1	4.0	4.2	21.4	21.7	22.4	3.7	3.8	4.0	20.9	21.7	22.4	20.2	20.6	20.2	19
5.5	5.6	5.5	35.4	35.2	35.4	9.3	9.4	9.4	27.0	29.8	30.3	66.2	67.4	66.5	20
3.2	3.2	3.1	11.4	11.9	11.7	1.8	1.6	1.4	9.5	10.3	10.5	10.5	10.9	10.7	21
4.5	5.0	4.8	17.7	17.9	17.9	4.0	4.2	4.0	13.4	13.8	14.1	11.6	11.9	11.3	22
100.4	99.8	98.5	443.1	442.8	440.1	91.5	94.6	97.5	354.4	370.0	381.8	295.6	300.1	298.9	23
6.8	6.6	6.2	16.6	16.4	15.1	2.2	2.2	2.3	13.1	13.1	12.6	12.6	12.3	12.1	24
64.5	63.8	62.7	266.2	269.4	270.0	67.4	69.9	72.5	227.7	239.8	246.1	155.4	157.5	157.7	25
2.0	2.0	2.0	9.9	9.9	10.1	1.4	1.4	1.5	18.0	18.9	19.8	6.0	5.9	5.8	26
3.5	3.5	3.4	13.3	13.4	13.5	1.8	1.9	2.0	9.5	9.8	10.1	10.8	11.2	11.0	27
41.1	40.8	40.5	163.3	164.0	163.4	32.6	32.8	33.0	118.1	121.1	120.8	192.2	194.5	187.4	28
9.7	9.9	10.0	35.3	35.0	34.9	11.2	11.2	11.2	27.8	28.6	29.9	33.8	34.6	34.3	29
142.3	138.9	138.0	474.3	462.0	466.3	107.8	108.1	108.9	383.2	394.9	404.6	338.5	339.2	332.6	30
55.5	52.6	52.3	164.1	161.7	160.5	43.8	44.1	44.5	127.8	129.9	132.3	91.8	93.6	93.1	31
2.2	2.2	2.2	9.3	9.2	8.8	1.9	1.9	1.9	6.8	6.8	6.7	6.0	6.1	6.1	32
73.3	72.8	72.3	234.4	228.0	227.4	57.4	57.6	57.5	211.2	217.9	222.2	139.3	138.8	134.6	33
6.4	6.8	7.1	24.1	23.0	23.9	3.4	3.4	3.5	17.8	18.6	19.5	11.2	11.8	11.7	34
23.1	22.4	22.7	73.5	72.3	73.7	12.7	12.9	12.9	54.2	55.1	56.7	70.1	70.2	70.7	35
4.8	4.5	4.5	15.9	15.9	15.8	2.3	2.3	2.4	9.6	10.3	11.4	7.6	7.5	7.6	36
1.9	1.8	1.9	9.7	9.4	9.6	2.1	2.0	2.1	6.8	7.1	7.1	5.8	5.7	5.7	37
47.8	47.9	47.1	164.1	163.6	162.6	41.0	42.0	41.2	114.0	116.0	120.6	130.6	130.8	130.5	38
7.3	7.5	7.3	22.2	22.0	22.5	7.1	7.0	7.0	16.7	17.3	17.3	28.6	29.3	28.8	39
24.9	24.5	24.3	69.4	68.3	67.2	24.2	24.3	23.9	57.6	58.0	60.9	41.8	42.4	42.4	40
23.1	24.1	25.1	77.4	80.3	84.6	16.9	17.9	18.4	160.2	169.1	175.0	54.7	57.0	56.9	41
12.6	13.2	13.9	43.4	45.8	48.6	9.6	10.3	10.5	97.4	104.5	107.6	24.7	25.9	26.4	42
7.9	8.1	8.1	24.5	24.6	25.6	5.9	6.1	6.1	43.1	43.2	43.9	15.3	16.1	16.0	43
13.6	14.0	14.4	83.9	85.5	89.2	18.9	19.8	20.6	69.2	72.4	76.6	55.1	57.3	56.5	44
4.6	4.7	4.8	19.0	18.9	19.8	6.1	6.1	6.2	14.3	14.9	15.4	8.3	8.6	8.4	45
1.9	1.9	2.1	11.9	12.3	13.5	1.6	2.0	2.0	8.5	9.4	10.3	5.6	5.6	5.5	46
190.4	193.4	192.5	678.6	680.4	690.1	153.9	158.1	161.4	571.0	602.8	635.2	517.8	528.8	524.2	47
3.7	3.9	4.0	18.9	19.9	19.5	4.7	4.7	5.0	23.6	31.2	41.1	14.8	16.5	16.2	48
15.7	15.6	15.4	86.9	86.8	88.8	16.3	16.9	17.5	64.3	67.1	71.2	64.8	66.6	66.7	49
20.3	20.8	20.5	116.1	115.6	116.1	16.1	17.1	17.9	71.4	74.0	77.0	41.3	41.7	41.9	50
27.4	26.7	25.3	44.6	44.2	44.9	8.2	8.7	8.5	31.2	31.8	32.2	44.2	43.3	41.4	51
5.9	6.1	6.6	39.6	40.3	41.7	7.9	7.9	7.9	39.5	41.4	43.4	35.1	36.3	36.4	52
20.9	22.4	23.7	65.3	66.5	67.5	9.6	10.2	11.6	29.0	40.8	43.0	48.1	49.1	45.5	53
72.0	73.4	73.7	180.3	179.6	181.1	63.7	64.2	65.1	184.5	192.5	200.7	148.3	147.1	145.4	54
6.9	6.6	6.6	41.1	40.1	40.8	8.9	9.2	9.2	31.7	33.2	34.5	25.8	25.6	26.2	55
5.8	5.5	5.2	25.3	25.0	24.6	7.1	7.5	8.3	40.3	41.8	41.8	45.0	45.1	45.8	56
3.0	3.0	3.1	9.3	9.0	8.9	2.1	2.4	2.5	8.3	8.5	8.7	11.4	11.5	11.0	57
28.1	28.3	29.0	104.1	103.4	106.6	21.2	21.1	21.5	89.6	91.8	94.3	120.5	125.0	125.5	58
11.4	11.6	11.8	47.2	46.9	47.9	10.8	10.9	10.9	42.7	43.6	45.5	41.2	43.0	42.9	59
1.2	1.1	1.2	5.5	5.3	5.5	1.2	1.2	1.2	4.1	4.0	4.1	12.7	13.4	13.5	60

# 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. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981
1 NEW YORK	7,179.4	7,207.2	7,281.4	5.9	6.1	6.3	210.3	209.3	211.4	1,492.8	1,445.1	1,432.0
2 Albany—Schenectady—Troy	338.4	339.0	338.5	(1)	(1)	(1)	11.2	11.1	9.6	60.4	58.2	55.9
3 Binghamton	118.3	116.9	117.4	(1)	(1)	(1)	4.1	3.9	3.7	43.3	42.0	43.0
4 Buffalo	513.4	501.4	495.5	(1)	(1)	(1)	18.2	16.4	15.6	145.2	133.5	129.5
5 Elmira	37.6	36.9	36.7	(1)	(1)	(1)	1.3	1.1	1.0	11.8	11.3	11.2
6 Monroe County	335.8	337.1	342.5	(1)	(1)	(1)	9.9	9.3	9.6	135.0	135.2	138.6
7 Nassau—Suffolk	898.3	915.5	922.7	(1)	(1)	(1)	36.7	36.1	35.2	164.9	167.3	167.8
8 New York—Northwestern New Jersey	6,656.5	6,706.7	(*)	2.7	2.8	(*)	194.0	199.4	(*)	1,373.1	1,344.8	(*)
9 New York and Nassau—Suffolk	4,614.8	4,663.4	4,729.0	1.7	1.9	1.9	125.5	131.6	136.3	775.6	753.9	742.5
10 New York SMSA	3,716.5	3,747.9	3,806.2	1.4	1.6	1.7	88.8	95.4	101.1	610.6	586.6	574.7
11 New York City	3,278.8	3,301.9	3,354.9	1.1	1.3	1.5	70.9	76.8	82.3	518.5	495.7	483.4
12 Poughkeepsie	97.1	97.6	99.9	(1)	(1)	(1)	2.8	2.7	2.6	32.3	31.6	32.6
13 Rochester	414.0	414.4	419.1	(1)	(1)	(1)	12.3	11.4	11.4	157.2	156.4	158.7
14 Rockland County	80.6	81.5	81.8	(1)	(1)	(1)	2.5	2.6	2.6	15.7	15.6	15.5
15 Syracuse	263.5	259.2	258.3	(1)	(1)	(1)	11.3	9.3	9.3	61.3	59.1	59.4
16 Utica—Rome	116.1	114.6	113.5	(1)	(1)	(1)	3.0	2.8	2.5	32.3	30.6	29.4
17 Westchester County	344.8	352.2	357.1	(1)	(1)	(1)	14.6	15.3	15.5	75.1	74.0	74.4
18 NORTH CAROLINA	2,372.9	2,380.0	2,386.4	5.2	5.2	4.9	126.1	118.7	114.9	826.7	820.0	817.3
19 Asheville	71.6	71.6	71.9	(1)	(1)	(1)	3.5	3.2	3.1	22.7	22.2	21.8
20 Charlotte—Gastonia	329.7	337.8	340.0	(1)	(1)	(1)	17.9	18.6	18.3	91.7	94.2	94.8
21 Greensboro—Winston-Salem—High Pt	385.6	386.1	391.0	(1)	(1)	(1)	17.4	16.9	17.0	150.3	148.7	149.7
22 Raleigh—Durham	264.9	274.0	277.0	(1)	(1)	(1)	14.9	14.3	13.7	44.2	45.0	45.6
23 NORTH DAKOTA	244.2	245.2	248.6	5.7	7.8	10.9	18.7	16.5	14.8	16.7	15.6	15.3
24 Fargo—Moorhead	62.5	62.1	61.5	(3)	(3)	(3)	4.3	3.6	3.0	5.2	4.9	4.6
25 OHIO	4,484.7	4,367.4	4,323.1	31.6	30.7	30.3	182.9	167.4	154.2	1,382.3	1,264.5	1,232.5
26 Akron	270.9	262.4	259.0	(*)	(*)	(*)	9.2	8.0	7.6	85.6	79.2	75.9
27 Canton	160.7	157.1	157.3	(*)	(*)	(*)	6.4	5.4	5.1	59.1	55.7	55.3
28 Cincinnati	607.4	600.6	593.9	(*)	(*)	(*)	27.4	25.3	22.4	173.1	162.5	158.4
29 Cleveland	919.8	895.6	880.8	(*)	(*)	(*)	33.5	29.8	27.5	276.3	254.9	247.4
30 Columbus	507.3	509.8	508.3	(*)	(*)	(*)	21.2	19.6	18.0	101.1	96.8	93.6
31 Dayton	364.9	355.7	353.4	(*)	(*)	(*)	14.1	13.1	11.8	109.5	99.3	97.8
32 Toledo	306.0	293.1	290.9	(*)	(*)	(*)	11.8	12.4	11.5	88.6	75.4	74.0
33 Youngstown—Warren	213.9	203.1	199.1	(*)	(*)	(*)	7.0	6.6	6.3	79.9	70.8	67.7
34 OKLAHOMA	1,087.3	1,137.7	1,193.1	60.9	74.9	95.7	59.1	57.3	53.8	184.1	191.3	193.8
35 Enid	(*)	25.7	26.8	(*)	2.1	3.0	(*)	1.7	1.5	(*)	3.0	3.1
36 Lawton	(*)	29.1	29.4	(*)	(1)	(1)	(*)	1.5	1.4	(*)	3.0	3.1
37 Oklahoma City	379.6	400.9	422.0	14.1	18.9	26.5	20.2	19.8	21.2	52.6	55.5	56.4
38 Tulsa	287.8	308.1	321.6	18.4	22.6	26.4	16.5	16.5	15.9	59.9	63.9	67.9
39 OREGON	1,056.2	1,044.6	1,019.3	2.4	2.3	2.2	53.0	46.5	37.6	228.5	215.1	203.3
40 Eugene—Springfield	105.5	102.9	100.6	(1)	(1)	(1)	5.7	4.6	3.7	21.2	19.8	18.9
41 Jackson County	-	-	-	-	-	-	-	-	-	8.3	7.7	7.3
42 Portland	554.0	556.7	545.5	(1)	(1)	(1)	28.0	24.9	21.5	115.2	114.1	107.7
43 Salem	89.9	88.3	86.6	(1)	(1)	(1)	5.2	4.2	3.4	15.4	14.3	13.8
44 PENNSYLVANIA	4,806.1	4,753.1	4,724.1	51.7	49.0	45.2	204.2	190.1	182.5	1,386.8	1,328.2	1,299.7
45 Allentown—Bethlehem—Easton	263.8	263.1	264.2	(1)	(1)	(1)	9.3	9.0	8.2	110.0	107.1	104.2
46 Altoona	52.2	50.7	49.9	(1)	(1)	(1)	2.4	2.2	1.9	13.1	12.7	12.6
47 Delaware Valley	1,588.2	1,584.8	1,582.1	(1)	(1)	(1)	61.4	62.9	61.1	382.2	369.4	359.6
48 Erie	117.0	112.9	110.5	(1)	(1)	(1)	3.5	3.2	3.0	44.7	42.3	41.0
49 Harrisburg	221.0	222.7	225.6	(1)	(1)	(1)	9.2	8.5	7.9	43.6	42.3	41.9
50 Johnstown	90.6	84.9	81.9	9.6	8.4	7.3	3.4	2.8	2.7	20.3	18.7	17.0
51 Lancaster	155.0	153.7	154.1	(1)	(1)	(1)	8.1	7.1	6.4	60.9	59.3	59.4
52 Northeast Pennsylvania	243.9	238.9	238.9	1.1	1.2	1.1	12.8	10.9	10.8	73.5	70.0	68.6
53 Philadelphia SMSA	1,918.7	1,922.8	1,924.8	(1)	(1)	(1)	76.3	76.9	74.4	454.0	446.1	430.7
54 Philadelphia City	792.8	781.7	775.7	(1)	(1)	(1)	18.9	20.6	19.9	143.4	134.9	123.9
55 Pittsburgh	956.4	949.4	940.4	11.2	10.3	8.8	49.0	46.1	44.8	255.1	241.6	236.6
56 Reading	138.9	138.6	139.2	(1)	(1)	(1)	5.3	5.2	4.9	54.8	53.2	53.2
57 Scranton	87.2	86.1	85.9	(1)	(1)	(1)	2.5	2.1	2.1	28.3	27.4	27.2
58 Wilkes—Barre—Hazleton	127.7	123.4	122.7	1.0	1.1	1.0	9.1	7.5	7.4	40.6	37.9	36.6
59 Williamsport	48.2	46.6	46.4	(1)	(1)	(1)	1.5	1.4	1.2	18.0	16.2	16.0
60 York	157.3	156.6	155.8	(1)	(1)	(1)	7.5	6.9	6.5	66.1	65.6	64.9
61 RHODE ISLAND	400.0	398.3	400.5	(1)	(1)	(1)	13.9	12.7	11.9	132.6	128.2	126.3
62 Providence—Warwick—Pawtucket	410.0	407.1	407.0	(1)	(1)	(1)	14.1	12.9	12.0	147.8	143.0	139.6
63 SOUTH CAROLINA	1,176.0	1,188.8	1,196.5	(1)	(1)	(1)	73.1	73.4	71.2	399.5	391.9	388.2
64 Charleston—North Charleston	145.4	148.6	152.5	(1)	(1)	(1)	11.6	11.5	10.1	20.1	19.7	20.8
65 Columbia	175.6	179.2	180.0	(1)	(1)	(1)	8.4	8.6	8.6	27.3	27.5	27.3

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. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981
433.8	431.4	429.3	1,476.8	1,465.2	1,463.7	605.4	626.2	654.5	1,643.2	1,710.0	1,784.3	1,311.3	1,313.9	1,300.1
15.9	15.9	15.5	69.8	68.5	68.2	15.3	15.7	16.0	68.2	71.6	73.7	97.5	98.0	99.7
4.8	4.6	4.7	21.7	21.6	21.1	3.9	4.0	4.2	17.8	17.7	18.6	22.8	23.0	22.1
28.4	27.5	26.5	115.8	112.7	110.0	21.9	22.2	22.4	97.2	101.1	106.0	86.6	88.0	85.5
1.4	1.4	1.3	8.2	8.4	8.6	1.0	1.0	1.1	6.8	7.0	7.1	7.1	6.7	6.3
10.2	10.3	10.3	60.9	59.6	59.9	14.3	14.2	14.3	65.3	67.6	70.2	40.2	40.8	39.7
38.0	38.8	40.6	236.2	238.6	238.6	51.0	51.8	52.8	196.1	204.6	214.7	175.4	178.3	173.2
466.9	470.0	(*)	1,405.6	1,400.9	(*)	607.7	627.7	(*)	1,518.1	1,573.3	(*)	1,088.3	1,087.9	(*)
319.5	319.1	318.9	958.0	954.6	953.7	501.2	521.4	548.1	1,159.0	1,207.0	1,261.9	774.4	773.9	765.7
281.4	280.3	278.4	721.8	716.0	715.1	450.3	469.7	495.3	963.1	1,002.7	1,047.4	599.0	595.5	592.5
258.7	257.0	254.9	621.1	612.8	610.8	429.6	448.1	472.7	958.7	893.7	935.3	520.1	516.3	514.1
2.8	2.9	2.8	16.1	16.3	16.4	2.6	2.7	2.9	17.5	18.1	19.0	23.1	23.3	23.4
12.9	12.8	12.8	78.1	76.7	77.3	15.9	15.9	15.8	77.1	79.7	82.3	60.5	61.7	60.8
3.5	3.5	3.4	17.4	17.8	17.8	2.5	2.6	2.7	17.5	18.3	18.7	21.6	21.0	21.1
15.1	14.8	14.4	58.9	56.9	56.5	15.5	16.1	16.4	52.2	52.8	53.7	49.3	50.1	48.6
4.1	3.9	3.9	21.9	22.1	22.4	5.6	5.5	5.5	20.4	20.7	21.1	28.9	29.0	28.6
18.6	19.2	19.5	80.3	82.4	83.6	17.6	18.4	19.5	84.4	88.0	90.6	54.2	54.9	54.2
115.5	116.5	116.7	477.1	472.9	473.5	93.0	95.5	98.0	332.1	341.3	352.4	397.2	409.9	408.7
3.6	3.6	3.6	14.8	15.0	15.7	2.2	2.2	2.3	13.1	13.3	13.5	11.7	12.1	11.9
30.8	31.2	31.6	83.7	83.4	82.5	20.6	21.2	21.5	49.6	52.4	54.3	35.4	36.8	37.0
21.5	21.3	21.2	78.3	77.7	77.8	17.8	18.2	18.8	55.1	56.9	59.9	45.2	46.4	46.6
13.0	13.4	13.4	51.6	53.2	53.3	15.0	15.6	15.9	55.0	58.6	60.3	71.2	73.9	74.8
16.1	16.8	17.1	67.6	66.8	66.3	11.0	11.4	11.8	47.8	49.4	51.9	60.6	60.9	60.5
4.1	4.0	4.0	19.3	18.9	18.7	3.7	3.8	3.9	13.4	13.9	14.3	12.5	13.0	13.0
232.1	223.1	218.4	975.2	957.0	946.0	200.6	203.8	205.2	806.2	830.9	856.2	674.0	689.9	680.2
15.2	14.2	13.9	58.1	57.3	57.4	9.4	9.3	9.2	49.7	50.4	51.9	43.2	43.6	42.5
7.6	7.2	7.0	34.3	33.3	33.2	5.9	6.2	6.3	28.1	29.0	30.0	18.3	19.2	18.9
34.2	33.7	33.2	140.0	140.6	139.6	32.1	32.6	32.5	117.4	121.7	124.3	82.8	83.9	83.1
47.8	45.9	45.1	212.1	205.3	199.7	47.9	48.2	47.9	182.4	187.5	192.0	118.2	122.6	119.9
25.1	24.7	24.3	120.9	120.2	120.0	36.1	37.8	39.3	100.7	105.1	108.7	101.5	105.0	103.6
13.3	13.3	13.3	75.8	74.4	73.1	13.4	13.4	13.5	70.1	72.6	74.4	68.2	69.3	69.2
21.0	19.8	19.2	68.5	66.9	66.1	10.5	10.7	10.6	59.1	60.3	63.5	45.9	47.2	45.6
10.1	9.5	9.2	46.6	44.8	43.9	7.0	7.1	7.1	37.2	37.9	39.0	25.6	25.8	25.1
66.0	68.6	69.0	256.4	266.3	278.3	53.6	56.5	58.5	183.2	194.3	202.1	224.0	228.5	236.9
(*)	2.6	2.7	(*)	7.0	7.1	(*)	1.1	1.1	(*)	4.5	4.6	(*)	3.7	3.7
(*)	1.2	1.3	(*)	7.3	7.4	(*)	1.2	1.2	(*)	4.3	4.6	(*)	10.6	10.4
23.3	23.7	24.0	94.7	97.9	104.6	23.4	24.9	26.1	68.2	71.1	72.9	83.1	89.1	90.3
22.2	24.3	23.9	69.7	71.9	73.3	14.5	15.4	15.7	55.8	60.3	63.6	30.8	33.2	34.9
60.0	60.5	59.7	256.8	255.6	253.7	69.1	70.0	68.4	185.7	191.4	192.2	200.7	203.2	202.2
5.3	5.1	5.0	26.2	25.7	25.3	5.4	5.5	5.5	19.4	19.7	19.5	22.2	22.5	22.7
35.8	36.6	36.5	142.3	142.3	141.8	44.5	45.7	45.4	107.3	111.2	111.6	81.2	81.9	81.0
2.8	2.8	2.8	19.1	19.2	18.9	5.6	5.6	5.6	14.5	14.8	15.4	27.3	27.4	26.7
272.3	263.3	258.3	992.5	988.3	986.1	233.7	236.6	240.6	944.1	974.1	1,006.2	720.7	723.3	705.4
14.0	14.1	13.9	51.1	51.8	52.6	8.8	9.5	9.7	41.7	44.4	46.2	28.9	29.3	29.4
7.8	6.8	6.4	11.3	11.0	10.7	1.4	1.5	1.5	8.8	8.7	9.0	7.3	7.7	7.7
85.6	83.1	81.7	333.7	329.7	331.2	107.7	109.0	111.5	379.4	393.2	407.3	238.4	237.5	229.9
5.2	5.2	5.0	23.3	22.0	21.7	4.7	4.9	4.8	21.3	21.7	22.4	14.1	13.7	12.5
17.0	17.0	16.9	45.5	45.7	45.5	12.8	12.8	12.8	37.1	39.0	40.9	56.0	57.5	59.7
5.7	4.9	4.9	16.8	16.2	15.6	3.8	3.9	4.0	15.8	15.7	15.7	15.2	14.3	14.6
6.4	6.2	6.3	34.2	34.1	33.9	5.2	5.5	5.8	25.2	26.4	27.2	15.0	15.1	15.1
13.5	13.1	12.9	50.6	50.1	50.2	9.3	9.6	9.9	43.1	44.6	47.1	39.9	39.3	38.4
101.2	98.4	96.5	420.5	416.0	419.6	124.0	125.9	128.9	443.8	460.9	477.7	298.9	304.6	297.0
55.9	52.6	51.6	149.7	145.0	144.2	68.2	66.8	66.6	209.1	214.5	221.0	147.6	147.2	142.7
61.7	57.0	55.5	206.8	210.7	211.4	45.1	46.2	46.7	210.1	215.1	218.7	117.5	122.3	117.8
6.7	6.3	6.4	27.4	28.0	28.0	5.9	6.1	6.4	22.6	23.1	23.7	16.1	16.7	16.6
4.2	4.1	3.9	19.5	19.0	18.8	3.4	3.6	3.6	17.1	17.8	18.7	12.2	12.1	11.7
7.2	7.1	7.1	26.0	25.9	26.2	5.1	5.1	5.3	18.7	19.3	20.5	20.1	19.5	18.6
2.3	2.3	2.3	10.3	9.9	9.8	2.1	2.1	2.2	7.7	7.9	8.3	6.5	6.8	6.7
7.2	7.3	7.5	32.8	33.1	33.1	3.8	3.9	4.1	21.3	21.6	21.9	18.5	18.2	17.8
13.4	13.0	13.1	80.7	80.9	81.4	20.8	20.8	21.0	79.3	83.5	88.4	59.3	59.2	58.4
13.2	13.0	13.0	81.7	81.2	81.1	20.8	20.9	20.9	76.1	80.0	84.5	56.3	56.1	55.9
53.0	53.0	53.8	221.0	225.1	231.3	46.3	47.7	49.5	154.3	161.3	163.1	228.8	236.4	234.4
8.8	8.8	9.0	31.1	31.9	33.0	6.2	6.4	6.6	22.7	24.1	25.8	44.9	46.2	47.2
9.2	9.4	9.6	38.0	38.1	37.6	13.5	14.0	14.3	26.2	27.1	28.1	53.1	54.6	54.7

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(in thousands)

State and area	Total			Mining			Contract Construction			Manufacturing		
	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981
<b>SOUTH CAROLINA—Continued</b>												
1 Greenville—Spartanburg.....	261.2	266.4	268.0	(1)	(1)	(1)	16.4	17.6	16.4	106.6	105.0	102.5
<b>SOUTH DAKOTA</b>	241.4	238.0	236.8	2.9	2.8	2.9	12.9	10.7	9.9	27.5	26.1	25.8
2 Rapid City <sup>2</sup> .....	33.0	31.9	31.3	(3)	(3)	(3)	2.7	2.1	1.8	3.3	3.0	2.8
4 Sioux Falls.....	54.7	54.3	54.2	(3)	(3)	(3)	3.1	2.6	2.4	7.8	7.7	7.4
<b>TENNESSE</b>	1,777.3	1,747.2	1,745.5	10.5	10.1	10.2	89.2	81.2	76.6	524.7	502.7	506.7
6 Chattanooga.....	174.6	168.7	169.1	1.3	1.2	1.1	6.7	6.5	5.9	54.8	50.2	49.0
8 Knoxville.....	197.9	195.3	202.2	1.5	1.6	1.6	11.8	9.5	9.9	54.0	52.4	51.2
8 Memphis.....	362.5	359.4	357.8	.1	.2	.2	16.6	15.9	14.1	63.0	59.6	59.3
9 Nashville—Davidson.....	364.1	360.2	362.0	(1)	(1)	(1)	20.7	18.7	16.7	83.9	80.8	82.5
<b>TEXAS</b>	5,601.8	5,851.2	6,144.1	203.3	241.7	288.8	416.2	423.0	431.1	1,021.9	1,056.9	1,107.4
10 Abilene <sup>2</sup> .....	53.6	55.9	59.6	3.5	4.2	5.3	3.2	3.1	3.2	5.7	5.8	6.2
12 Amarillo <sup>2</sup> .....	75.4	75.2	76.7	(1)	(1)	(1)	4.8	4.4	4.5	9.5	9.7	10.2
13 Austin <sup>2</sup> .....	230.6	243.8	243.8	(1)	(1)	(1)	13.2	14.1	14.1	28.7	31.2	31.2
14 Beaumont—Port Arthur—Orange <sup>2</sup> .....	150.3	149.5	154.9	(1)	(1)	(1)	14.0	13.4	13.0	41.3	38.2	42.8
15 Corpus Christi <sup>2</sup> .....	122.2	125.8	123.7	6.4	7.2	.2	14.8	12.7	13.6	14.9	16.4	16.9
16 Dallas—Fort Worth.....	1,386.3	1,454.2	1,513.7	21.2	25.1	30.0	79.3	83.6	81.1	310.4	320.3	330.5
17 El Paso <sup>2</sup> .....	157.0	161.9	167.5	(1)	(1)	(1)	9.2	8.5	8.5	33.6	36.1	39.1
18 Galveston—Texas City <sup>2</sup> .....	68.7	69.4	70.5	(1)	(1)	(1)	5.4	5.1	5.0	12.0	11.3	12.1
19 Houston.....	1,379.6	1,462.7	1,553.5	70.7	85.7	100.9	147.1	145.9	148.8	230.2	243.5	262.2
20 Longview—Marshall <sup>2</sup> .....	62.9	65.5	68.4	(1)	(1)	(1)	4.7	4.7	4.2	18.5	18.5	19.7
21 Lubbock <sup>2</sup> .....	87.9	89.4	89.6	(1)	(1)	(1)	4.5	4.2	4.0	12.9	13.4	12.1
22 Midland <sup>2</sup> .....	38.5	43.4	49.7	9.4	11.0	13.2	2.5	3.2	3.4	3.6	4.2	4.8
23 Odessa <sup>2</sup> .....	49.3	53.1	58.6	7.6	8.1	9.3	4.3	4.6	5.1	6.9	7.5	8.8
24 San Angelo <sup>2</sup> .....	33.8	35.1	36.7	.7	.8	.9	2.2	2.1	2.2	6.2	6.4	6.2
25 San Antonio.....	382.1	398.6	410.0	2.1	2.5	3.2	25.8	27.0	27.1	48.2	50.8	52.1
26 Sherman—Denison <sup>2</sup> .....	37.0	36.8	37.1	.2	.2	.3	2.4	1.7	1.5	13.6	13.5	13.0
27 Waco <sup>2</sup> .....	69.1	71.2	71.7	(1)	(1)	(1)	3.6	3.6	3.2	16.7	16.5	16.7
28 Wichita Falls <sup>2</sup> .....	51.1	53.0	55.0	2.8	3.3	3.8	2.9	2.6	2.5	9.4	9.7	10.8
<b>UTAH</b>	548.4	550.8	557.8	17.7	18.5	20.2	35.6	31.5	28.3	86.8	87.7	89.5
29 Salt Lake City—Ogden.....	388.7	389.5	392.7	7.5	7.1	8.0	24.3	21.6	18.8	58.9	60.1	61.2
<b>VERMONT</b>	197.9	200.1	202.1	.8	.7	.6	10.3	10.1	10.7	50.8	50.9	50.8
32 Burlington <sup>15</sup> .....	55.4	57.2	55.3	-	-	-	-	-	-	14.1	14.6	15.7
33 Springfield <sup>15</sup> .....	14.6	14.8	14.6	-	-	-	-	-	-	6.1	6.4	6.2
<b>VIRGINIA</b>	2,115.0	2,157.2	2,160.1	23.3	22.7	21.4	138.4	128.3	115.7	413.8	413.8	411.9
34 Bristol.....	28.4	27.5	26.9	(1)	(1)	(1)	1.3	1.1	.9	9.9	9.2	9.3
36 Lynchburg.....	71.2	70.7	70.4	(1)	(1)	(1)	3.2	3.2	2.8	29.6	28.7	28.6
37 Newport News—Hampton.....	145.1	149.4	150.8	(1)	(1)	(1)	8.3	7.3	6.7	31.9	34.3	34.6
38 Norfolk—Virginia Beach—Portsmouth.....	284.3	287.1	289.5	(1)	(1)	(1)	18.1	17.5	16.8	30.1	29.2	29.5
39 Northern Virginia <sup>15</sup> .....	434.6	454.6	464.9	.4	.4	.4	31.7	30.4	28.5	17.5	18.9	20.0
40 Petersburg—Colonial Hgts.—Hopewell.....	46.9	46.3	44.7	(1)	(1)	(1)	2.6	2.9	2.0	11.9	11.0	10.5
41 Richmond.....	326.9	327.4	327.7	.4	.3	.3	20.8	19.0	17.5	55.8	56.3	56.5
42 Roanoke.....	105.0	104.9	102.8	.1	.1	.2	5.9	5.5	4.7	21.1	21.3	21.1
<b>WASHINGTON</b>	1,581.2	1,608.3	1,598.3	3.0	3.2	3.1	104.4	92.6	88.7	309.6	308.7	301.9
44 Seattle—Everett.....	760.3	782.6	775.2	(1)	(1)	(1)	44.8	40.6	37.2	168.4	173.2	158.7
45 Spokane.....	125.4	127.7	125.0	(1)	(1)	(1)	7.8	7.0	5.8	17.8	17.0	16.1
46 Tacoma.....	140.1	141.8	141.2	(1)	(1)	(1)	8.6	7.3	6.8	22.1	22.0	22.2
<b>WEST VIRGINIA</b>	658.6	645.9	624.0	68.0	65.7	58.0	39.0	35.8	28.4	126.1	117.2	111.4
48 Charleston.....	118.4	115.0	110.4	7.5	6.8	5.9	7.2	6.7	5.7	19.6	17.6	16.7
49 Huntington—Ashland.....	109.0	104.3	102.4	1.1	1.2	1.1	7.3	5.8	5.1	29.1	26.5	24.6
50 Parkersburg—Marietta.....	59.3	58.8	58.6	.7	.9	1.3	3.7	3.6	3.2	18.2	17.0	16.7
51 Wheeling.....	67.9	65.7	63.8	7.4	5.6	4.3	3.1	3.0	2.5	13.4	11.7	11.8
<b>WISCONSIN</b>	1,960.2	1,938.1	1,919.9	2.6	2.6	2.2	80.5	70.1	60.7	591.3	558.8	543.1
52 Appleton—Oshkosh.....	128.8	126.4	125.0	(1)	(1)	(1)	6.4	6.1	4.8	50.6	47.5	46.6
53 Eau Claire.....	47.7	47.6	48.4	(1)	(1)	(1)	2.0	1.9	1.6	9.0	8.8	9.1
55 Green Bay.....	77.5	78.0	78.7	(1)	(1)	(1)	3.7	3.3	3.1	21.8	21.8	21.9
56 Janesville—Beloit.....	53.6	48.9	50.6	(1)	(1)	(1)	1.9	1.8	1.3	21.8	17.4	19.0
57 Kenosha.....	45.7	44.8	41.5	(1)	(1)	(1)	3.0	2.5	1.6	18.3	18.0	15.6
58 La Crosse.....	43.4	44.9	45.3	(1)	(1)	(1)	1.8	1.6	1.5	10.7	10.9	10.4
59 Madison.....	166.9	169.8	170.6	(1)	(1)	(1)	7.7	6.6	6.0	19.9	20.0	20.3
60 Milwaukee.....	681.4	671.8	655.4	(1)	(1)	(1)	23.4	19.9	17.9	220.2	206.7	196.4
61 Racine.....	71.7	69.4	67.0	(1)	(1)	(1)	2.3	1.8	1.5	31.9	29.9	27.8

See footnote 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. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	
10.4	10.0	10.0	50.6	51.9	54.3	9.1	9.5	10.0	34.7	36.6	38.3	33.5	35.8	36.4	1
13.7	13.3	12.8	66.7	65.1	64.4	10.9	11.1	11.3	48.5	50.3	51.5	58.3	58.6	58.2	2
2.0	1.9	1.9	9.8	9.3	8.9	1.5	1.5	1.5	6.7	7.0	7.2	7.0	7.1	7.2	3
5.1	4.8	4.6	16.5	16.3	15.8	3.3	3.3	3.4	12.2	12.9	13.8	6.7	6.7	6.8	4
87.3	86.6	85.6	388.7	379.7	372.8	77.6	78.7	78.1	285.4	291.0	306.8	313.9	317.2	308.7	5
7.1	7.3	7.7	34.1	33.0	34.1	9.9	9.6	9.8	27.9	28.2	29.2	32.8	32.7	32.3	6
8.0	8.2	8.3	41.9	41.5	43.3	8.0	8.2	8.6	30.8	32.4	33.4	41.9	41.5	45.9	7
27.5	27.5	27.4	97.9	97.1	97.3	19.4	19.8	20.1	71.9	73.6	75.0	66.1	65.7	64.4	8
19.8	19.5	20.1	83.9	82.0	80.9	24.0	24.5	24.7	69.5	71.9	76.0	62.3	62.8	61.1	9
352.4	365.8	383.8	1,382.5	1,435.3	1,506.4	314.9	335.0	346.7	957.4	1,015.4	1,085.0	953.2	978.1	994.9	10
2.9	3.0	3.2	14.3	15.1	16.4	2.5	2.6	2.8	11.9	12.6	13.2	9.6	9.5	9.3	11
7.0	7.0	6.9	22.9	22.6	22.8	3.9	3.9	4.0	14.5	15.1	15.9	12.8	12.5	12.4	12
7.2	7.4	7.4	49.2	52.1	52.1	13.7	14.5	14.5	41.1	45.8	45.8	77.5	78.7	78.7	13
11.3	11.7	12.1	33.5	34.0	34.3	5.4	5.4	5.6	25.3	26.6	27.7	19.5	20.2	19.4	14
7.0	7.4	7.4	28.6	29.8	31.7	5.5	5.9	5.9	19.2	20.4	21.7	25.8	26.0	26.3	15
90.3	93.7	98.0	368.4	385.1	399.7	101.8	109.3	114.5	240.4	256.4	277.7	174.5	180.7	182.2	16
11.1	10.8	10.5	39.1	39.5	39.6	7.3	7.4	7.6	24.7	25.7	26.7	32.0	33.9	35.5	17
6.4	6.4	6.8	13.2	13.5	13.6	4.5	4.6	4.6	11.0	11.4	11.2	16.2	17.1	17.2	18
98.5	102.8	108.3	337.7	353.6	372.9	82.3	88.3	92.4	259.8	280.4	301.4	153.2	162.5	166.6	19
3.3	3.6	3.9	14.9	15.2	15.7	2.2	2.3	2.4	12.4	13.8	15.4	6.9	7.4	7.7	20
5.1	5.1	5.0	26.1	26.4	27.0	4.7	4.8	4.9	16.1	16.5	17.3	18.5	19.0	19.3	21
2.4	2.6	2.8	8.7	9.5	11.2	2.1	2.2	2.5	5.4	6.2	7.3	4.4	4.5	4.5	22
2.4	2.5	2.7	14.2	15.3	16.4	1.7	1.8	1.9	6.2	6.9	8.0	6.0	6.4	6.4	23
3.1	3.3	3.6	8.3	8.3	9.0	1.3	1.4	1.5	6.3	6.5	6.9	6.0	6.3	6.4	24
17.6	18.4	18.9	96.9	100.0	103.5	25.1	26.5	27.3	74.2	80.2	84.3	92.2	93.2	93.6	25
2.2	2.3	2.5	7.1	7.3	7.3	1.2	1.2	1.3	5.4	5.6	6.1	4.9	5.0	5.1	26
3.2	3.5	3.4	16.1	17.1	17.3	4.0	4.1	4.3	14.2	15.0	15.6	11.3	11.4	11.2	27
2.4	2.7	2.8	12.6	13.0	13.1	2.3	2.4	2.4	7.8	8.3	8.7	10.9	11.0	10.9	28
33.6	34.1	34.5	129.3	128.7	130.2	25.8	25.8	26.3	96.3	99.4	103.8	123.2	125.0	125.0	29
26.6	27.0	27.0	96.3	95.9	97.0	20.8	20.8	21.2	66.5	68.2	70.7	87.8	88.8	88.9	30
9.0	8.7	8.6	41.3	40.8	42.1	7.8	8.0	8.2	42.4	43.9	44.5	35.8	37.0	36.6	31
2.4	2.4	2.4	12.0	12.0	12.3	-	-	-	11.3	11.9	12.3	-	-	-	32
.7	.7	.6	2.2	2.2	2.2	-	-	-	2.7	2.7	2.6	-	-	-	33
114.2	115.8	116.6	443.9	451.2	462.8	104.4	105.9	106.2	383.5	408.3	415.8	493.5	511.2	509.6	34
1.1	1.1	1.0	6.6	6.4	6.4	1.0	.9	.9	3.5	3.5	3.4	5.0	5.3	5.0	35
2.7	2.7	2.7	12.0	12.1	12.1	3.3	3.3	3.3	10.2	10.5	10.9	10.2	10.2	10.0	36
5.0	4.8	4.9	28.1	28.5	28.9	4.8	4.8	4.8	27.4	29.5	30.5	39.6	40.2	40.3	37
19.2	19.3	19.6	68.0	68.7	70.4	14.8	15.2	14.9	53.6	56.4	58.6	80.5	80.8	79.7	38
28.6	31.8	32.0	100.6	105.1	111.6	27.4	28.6	29.1	111.7	120.6	124.6	116.7	118.8	118.8	39
1.5	1.4	1.3	8.5	8.5	8.8	1.3	1.3	1.2	5.8	6.2	6.7	15.3	15.0	14.3	40
19.4	19.6	19.7	75.3	75.9	76.2	26.2	26.5	26.4	57.9	58.2	60.1	71.1	71.6	71.0	41
10.2	10.1	9.7	26.1	25.4	25.0	6.2	6.3	6.1	19.8	20.4	20.7	15.6	15.8	15.4	42
89.4	91.4	89.3	379.1	381.3	382.7	89.4	91.8	91.4	290.8	308.5	317.0	315.5	330.8	324.2	43
51.3	53.2	51.5	183.8	187.1	186.4	53.7	56.5	57.3	142.9	151.9	155.8	115.4	120.1	118.3	44
8.0	8.1	8.2	35.8	35.4	35.0	8.1	8.0	7.8	26.2	29.3	30.2	21.7	22.9	21.9	45
6.6	6.7	6.5	33.2	32.9	33.3	7.1	7.0	6.9	30.2	31.3	32.3	32.3	34.6	33.2	46
43.8	43.1	41.5	131.9	129.4	131.0	21.7	22.0	22.0	97.8	99.5	101.2	130.1	133.1	130.5	47
10.0	9.8	9.5	27.3	26.5	26.2	5.1	5.2	5.2	20.1	20.2	20.7	21.6	22.1	20.6	48
10.1	9.6	9.4	23.8	23.3	24.2	4.0	3.9	3.7	15.7	15.5	15.6	18.0	18.4	18.6	49
2.7	2.5	2.4	13.0	12.9	12.9	2.0	2.0	2.1	9.4	10.1	10.2	9.8	9.8	9.8	50
3.8	3.8	3.6	15.8	15.6	15.1	2.7	2.7	2.8	13.1	13.8	14.0	8.7	9.4	9.6	51
92.2	92.1	90.8	441.2	436.8	432.4	90.3	93.3	95.9	351.9	364.2	375.9	310.1	321.1	319.0	52
4.5	4.3	4.3	26.3	26.0	26.0	5.1	5.4	5.6	20.0	20.6	21.2	15.9	16.5	16.5	53
2.7	2.6	2.7	12.8	12.7	12.8	1.6	1.6	1.7	9.5	9.7	10.0	10.1	10.3	10.6	54
5.7	5.8	5.9	19.6	19.6	19.8	2.4	2.4	2.6	14.3	14.9	15.3	10.0	10.1	10.2	55
2.2	2.0	2.1	11.6	11.2	11.0	1.3	1.3	1.4	8.4	8.6	8.9	6.3	6.6	6.8	56
1.4	1.4	1.3	8.3	8.4	8.3	1.0	1.0	1.0	7.6	7.7	7.9	6.1	5.9	5.9	57
2.4	2.4	2.3	11.4	11.7	11.9	1.1	1.1	1.1	9.4	10.1	11.0	6.6	7.0	7.2	58
6.1	6.3	6.3	35.4	36.0	36.3	12.1	12.8	13.5	30.4	31.1	32.6	55.3	57.1	55.6	59
34.7	34.5	34.0	147.8	144.3	141.3	38.0	39.5	40.4	136.1	141.0	145.8	81.2	85.9	83.6	60
2.2	2.3	2.3	13.4	13.2	13.2	2.3	2.3	2.3	11.2	11.3	11.3	8.4	8.6	8.6	61

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and areas	Total			Mining			Contract Construction			Manufacturing		
	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981
1 WYOMING .....	200.7	210.2	216.6	32.6	35.5	38.2	20.8	20.7	19.2	10.1	9.6	10.1
2 Casper .....	37.6	39.2	40.3	7.1	7.3	7.8	3.8	3.6	3.3	1.9	1.9	2.0
3 Cheyenne .....	29.5	30.5	30.9	(1)	(1)	(1)	2.2	2.3	1.9	1.8	1.7	1.4
4 Puerto Rico <sup>1</sup> .....	(*)	(*)	(*)	.8	.9	(*)	35.4	39.4	(*)	(*)	(*)	(*)
5 Caguas <sup>2</sup> .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
6 Mayaguez <sup>3</sup> .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
7 Ponce <sup>4</sup> .....	(*)	(*)	(*)	(*)	(*)	(*)	3.6	3.7	(*)	(*)	(*)	(*)
8 San Juan <sup>5</sup> .....	(*)	(*)	(*)	(*)	(*)	(*)	24.7	27.2	(*)	(*)	(*)	(*)
9 VIRGIN ISLANDS .....	36.1	37.3	37.3	(2)	(2)	(2)	2.8	3.5	3.6	3.2	3.2	3.1

<sup>1</sup> Combined with services.

<sup>2</sup> Employment based on March 1980 benchmark.

<sup>3</sup> Combined with construction.

<sup>4</sup> Area included in Chicago-Gary Standard Consolidated Statistical Area.

<sup>5</sup> Subarea of Baltimore Standard Metropolitan Area.

<sup>6</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

<sup>7</sup> Subarea of New York—Northeastern New Jersey.

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

<sup>12</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.

<sup>13</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

<sup>14</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

<sup>15</sup> Total includes data for industry divisions not shown separately.

<sup>16</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**

**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. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	
16.4	16.9	17.9	44.3	47.0	48.7	7.1	7.3	7.5	28.6	30.2	32.1	40.8	43.0	42.9	1
2.7	2.8	2.9	9.9	10.9	10.9	1.6	1.7	1.8	5.6	5.7	5.8	5.0	5.3	5.8	2
4.3	4.4	4.6	7.0	7.0	7.2	1.6	1.6	1.6	4.4	4.8	5.4	8.2	8.7	8.8	3
17.8	17.4	(*)	114.7	114.5	(*)	35.9	27.2	(*)	83.1	83.8	(*)	246.0	258.6	(*)	4
(*)	(*)	(*)	5.6	5.6	(*)	(*)	(*)	(*)	(*)	(*)	(*)	11.4	12.5	(*)	5
(*)	(*)	(*)	5.9	5.7	(*)	(*)	(*)	(*)	(*)	(*)	(*)	15.2	15.9	(*)	6
(*)	(*)	(*)	7.8	7.9	(*)	(*)	(*)	(*)	7.4	7.3	(*)	18.2	18.9	(*)	7
14.2	13.7	(*)	71.2	72.3	(*)	19.7	20.5	(*)	57.0	57.7	(*)	118.0	123.1	(*)	8
2.0	2.1	2.1	7.2	7.5	7.6	1.5	1.6	1.5	5.9	6.1	5.8	13.5	13.4	13.7	9

**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. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981
<b>ALABAMA</b> .....	\$242.16	\$260.25	\$279.70	40.7	40.1	39.9	\$5.95	\$6.49	\$7.01
Birmingham .....	285.82	302.65	314.42	40.6	40.3	39.8	7.04	7.51	7.90
Mobile .....	299.39	329.60	363.60	40.9	41.2	40.9	7.32	8.00	8.89
<b>ALASKA</b> .....	401.25	436.49	456.80	43.9	42.7	40.0	9.14	10.22	11.42
<b>ARIZONA</b> .....	268.77	292.33	316.81	40.6	40.1	39.7	6.62	7.29	7.98
Phoenix .....	268.21	289.04	314.02	40.7	40.2	39.8	6.59	7.19	7.89
Tucson .....	247.26	278.40	306.02	39.0	38.4	38.3	6.34	7.25	7.99
<b>ARKANSAS</b> .....	205.52	224.40	246.64	39.6	39.3	39.4	5.19	5.71	6.26
Fayetteville—Springdale .....	189.48	202.66	224.76	40.4	39.2	39.5	4.69	5.17	5.69
Fort Smith .....	209.97	218.30	247.04	39.1	37.9	38.6	5.37	5.76	6.40
Little Rock—North Little Rock .....	234.40	250.49	281.64	40.0	39.2	39.5	5.86	6.39	7.13
Pine Bluff .....	280.81	317.06	323.23	42.1	41.5	41.6	6.67	7.64	7.77
<b>CALIFORNIA</b> .....	280.50	304.15	338.98	39.9	39.5	39.6	7.03	7.70	8.56
Anaheim—Santa Ana—Garden Grove .....	257.28	288.15	325.62	40.2	40.3	40.3	6.40	7.15	8.08
Bakersfield .....	301.60	327.02	363.45	40.0	39.4	40.7	7.54	8.30	8.93
Fresno .....	250.24	279.30	297.18	39.1	38.9	38.1	6.40	7.18	7.80
Los Angeles—Long Beach .....	264.11	290.07	320.79	40.2	39.9	39.8	6.57	7.27	8.06
Modesto .....	270.78	296.81	325.08	39.3	38.9	38.7	6.89	7.63	8.40
Oxnard—Simi Valley—Ventura .....	246.39	262.68	289.84	39.5	38.8	38.8	6.23	6.77	7.47
Riverside—San Bernardino—Ontario .....	289.92	299.15	329.78	40.1	38.6	39.4	7.23	7.75	8.37
Sacramento .....	298.74	324.43	349.46	39.0	38.9	38.7	7.66	8.34	9.03
Salinas—Seaside—Monterey .....	261.20	277.88	296.58	37.8	37.1	37.4	6.91	7.49	7.93
San Diego .....	259.11	287.82	318.20	38.5	39.0	38.9	6.73	7.38	8.18
San Francisco—Oakland .....	333.32	361.03	406.36	39.4	39.2	39.3	8.46	9.21	10.34
San Jose .....	297.19	323.18	354.31	40.6	39.8	39.9	7.32	8.12	8.88
Santa Barbara—Santa Maria—Lompoc .....	239.36	263.41	295.68	37.4	37.9	38.4	6.40	6.95	7.70
Santa Rosa .....	251.08	272.03	299.15	38.1	38.1	38.8	6.59	7.14	7.71
Stockton .....	300.17	326.67	353.53	39.6	39.5	39.5	7.58	8.27	8.95
Vallejo—Fairfield—Napa .....	296.82	317.75	374.61	38.8	38.1	38.5	7.65	8.34	9.73
<b>COLORADO</b> .....	273.74	303.67	326.33	39.5	39.8	39.7	6.93	7.63	8.22
Denver—Boulder .....	271.96	302.51	325.51	39.3	39.7	39.6	6.92	7.62	8.22
<b>CONNECTICUT</b> .....	270.06	295.94	319.07	42.0	41.8	41.6	6.42	7.08	7.67
Bridgeport .....	285.55	311.58	336.48	43.2	42.8	42.7	6.61	7.28	7.89
Hartford .....	301.74	323.09	336.18	42.8	42.4	41.3	7.05	7.62	8.14
New Britain .....	281.85	306.55	328.80	42.9	42.4	42.1	6.57	7.23	7.81
New Haven—West Haven .....	269.86	283.27	296.51	41.2	40.7	39.8	6.55	6.96	7.45
Stamford .....	274.77	281.90	294.38	43.0	42.2	41.0	6.39	6.68	7.18
Waterbury .....	236.46	250.66	270.22	42.0	41.5	41.7	5.53	6.04	6.48
<b>DELAWARE</b> .....	278.08	306.99	333.28	39.5	40.5	40.3	7.04	7.58	8.27
Wilmington .....	316.00	352.95	383.76	39.5	40.7	40.1	8.50	8.69	9.57
<b>DISTRICT OF COLUMBIA:</b>									
Washington SMSA .....	303.41	332.48	348.10	39.2	39.3	39.2	7.74	8.46	8.88
<b>FLORIDA</b> .....	221.94	243.98	265.12	40.5	40.8	40.6	5.48	5.98	6.53
Fort Lauderdale—Hollywood .....	210.71	225.76	251.12	40.6	40.1	40.7	5.19	5.63	6.17
Jacksonville .....	259.31	283.03	315.51	40.9	40.9	41.9	6.24	6.92	7.53
Lakeland—Winter Haven .....	259.92	282.00	299.81	45.6	44.2	43.2	5.70	6.38	6.94
Miami .....	193.52	206.32	232.22	39.9	39.6	41.1	4.85	5.21	5.65
Orlando .....	234.11	263.76	291.13	41.0	41.8	42.5	5.71	6.31	6.85
Pensacola .....	295.99	298.80	331.08	43.4	41.1	42.5	6.82	7.27	7.79
Tampa—St. Petersburg .....	230.23	250.10	265.28	40.6	41.0	40.5	5.67	6.10	6.55
West Palm Beach—Boca Raton .....	247.42	275.22	290.63	41.1	41.7	41.4	6.02	6.60	7.02
<b>GEORGIA</b> .....	214.12	231.95	255.44	40.4	40.2	40.1	5.30	5.77	6.37
Atlanta .....	250.88	263.45	304.00	40.4	38.8	40.0	6.21	6.79	7.60
Savannah .....	300.47	325.43	358.66	43.8	43.8	43.9	6.86	7.43	8.17
<b>HAWAII</b> .....	244.35	258.17	289.90	38.3	37.8	38.5	6.38	6.83	7.53
Honolulu .....	240.53	256.74	280.88	37.7	37.7	37.5	6.38	6.81	7.49
<b>IDAHO</b> .....	265.04	280.11	311.09	38.3	37.1	37.8	6.92	7.55	8.23
Boise City .....	235.84	248.15	283.44	38.1	36.6	38.2	6.19	6.78	7.42

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. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981
<b>ILLINOIS</b> .....	\$296.55	\$319.20	\$356.28	40.7	39.8	40.0	\$7.30	\$8.02	\$8.91
Bloomington—Normal .....	272.46	287.92	320.33	41.8	40.3	39.1	6.52	7.15	8.20
Champaign—Urbana—Rantoul .....	264.19	243.33	314.40	39.0	33.9	39.0	6.77	7.18	8.07
Chicago SMSA .....	283.08	299.39	225.15	40.2	39.6	39.5	7.03	7.57	8.24
Davenport—Rock Island—Moline .....	335.05	376.39	432.06	38.9	39.3	39.5	8.61	9.58	10.93
Decatur .....	227.72	339.34	415.73	41.3	37.1	39.3	7.93	9.15	10.57
Kankakee .....	(*)	275.51	293.78	(*)	39.2	37.8	(*)	7.02	7.77
Peoria .....	344.26	391.98	461.97	38.7	39.3	39.3	8.89	9.97	11.75
Rockford .....	300.22	310.25	362.00	41.8	40.1	40.6	7.18	7.74	8.91
Springfield .....	227.99	311.71	385.66	42.7	38.8	40.1	7.68	8.04	9.62
<b>INDIANA</b> .....	315.94	337.90	375.74	40.5	39.8	40.1	7.79	8.49	9.37
Gary—Hammond—East Chicago .....	423.95	444.43	505.85	41.2	39.4	40.5	10.29	11.28	12.49
Indianapolis .....	315.70	338.96	375.96	41.0	40.4	40.6	7.70	8.39	9.26
<b>IOWA</b> .....	313.88	343.33	379.20	40.5	39.6	39.5	7.75	8.67	9.60
Cedar Rapids .....	317.18	346.52	380.65	41.3	40.2	39.0	7.68	8.62	9.54
Des Moines .....	217.58	347.49	385.61	39.5	39.0	38.6	8.04	8.91	9.99
Dubuque .....	365.71	396.70	421.98	40.1	39.2	39.0	9.12	10.12	10.82
Sioux City .....	288.69	328.75	316.00	41.3	41.3	39.5	6.99	7.96	8.00
Waterloo—Cedar Falls .....	420.83	453.46	495.01	43.7	41.0	39.1	9.63	11.06	12.66
<b>KANSAS</b> .....	273.10	297.75	325.22	40.7	40.4	40.4	6.71	7.37	8.05
Topeka .....	290.21	308.40	341.60	41.4	40.0	39.4	7.01	7.71	8.67
Wichita .....	297.91	328.86	363.13	41.9	40.5	41.5	7.11	8.12	8.75
<b>KENTUCKY</b> .....	266.74	286.99	308.90	39.4	39.1	39.3	6.77	7.34	7.86
Lexington—Fayette .....	262.01	282.20	318.98	39.4	38.5	38.9	6.65	7.33	8.23
Louisville .....	309.06	330.96	366.96	40.4	39.4	39.8	7.65	8.40	9.22
<b>LOUISIANA</b> .....	287.86	318.89	362.08	41.3	41.2	42.2	6.97	7.74	9.58
Baton Rouge .....	365.51	416.56	451.76	42.7	42.9	42.3	8.56	9.71	10.68
New Orleans .....	278.47	322.28	348.53	40.3	41.8	41.1	6.91	7.71	8.48
Shreveport .....	250.97	276.51	317.54	39.9	39.9	41.4	6.29	6.93	7.67
<b>MAINE</b> .....	217.34	240.00	269.06	40.1	40.0	40.4	5.42	6.00	6.66
Lewiston—Auburn .....	193.68	212.55	212.04	37.7	38.1	38.0	4.66	5.08	5.58
Portland .....	210.14	229.91	251.81	39.5	39.3	38.8	5.32	5.85	6.49
<b>MARYLAND</b> .....	283.60	301.36	334.76	40.0	39.6	39.9	7.09	7.61	8.39
Baltimore .....	300.98	318.77	353.90	40.4	40.3	40.4	7.45	7.91	8.76
<b>MASSACHUSETTS</b> .....	239.80	257.80	280.40	40.1	39.6	40.0	5.98	6.51	7.01
Boston .....	264.55	280.99	305.47	40.7	39.8	40.3	6.50	7.06	7.58
Brockton .....	187.83	205.00	225.37	38.1	38.9	39.4	4.93	5.27	5.72
Fall River .....	179.63	189.59	212.06	37.5	36.6	37.8	4.79	5.18	5.61
Lawrence—Haverhill .....	240.60	273.06	289.84	40.1	41.0	40.2	6.00	6.66	7.21
Lowell .....	204.48	230.86	456.07	38.8	38.8	39.7	5.27	5.95	6.45
New Bedford .....	207.97	213.90	234.00	38.8	37.2	37.5	5.25	5.75	6.24
Springfield—Chicopee—Holyoke .....	241.90	260.82	284.54	41.0	40.5	41.0	5.90	6.44	6.94
Worcester .....	241.60	259.12	287.03	40.2	39.5	39.7	6.01	6.56	7.23
<b>MICHIGAN</b> .....	359.72	381.87	426.27	41.2	40.1	40.5	8.73	9.52	10.53
Ann Arbor .....	390.59	401.95	470.58	42.4	39.9	42.2	9.21	10.07	11.14
Battle Creek .....	352.72	377.42	423.38	40.9	40.4	40.9	8.62	9.34	10.36
Bay City .....	319.15	347.94	378.54	41.4	40.7	40.7	7.71	8.55	9.31
Detroit .....	393.47	418.56	457.16	42.3	41.1	41.0	9.30	10.18	11.15
Flint .....	405.63	443.30	492.59	41.8	41.1	40.6	9.70	10.79	12.14
Grand Rapids .....	294.68	315.68	347.83	40.5	39.9	39.8	7.28	7.91	8.73
Jackson .....	323.48	354.44	399.24	42.0	42.1	43.0	7.70	8.42	9.27
Kalamazoo—Portage .....	321.76	346.92	401.50	40.2	40.0	40.3	8.00	8.67	9.97
Lansing—East Lansing .....	372.41	385.37	470.22	40.3	37.8	39.0	9.24	10.20	12.07
Muskegon—Norton Shores—Muskegon Heights .....	305.68	333.94	360.32	40.3	40.2	40.3	7.59	8.31	8.95
Saginaw .....	404.65	424.49	497.31	41.3	39.4	40.4	9.80	10.77	12.31
<b>MINNESOTA</b> .....	277.20	299.83	330.96	40.0	39.4	39.4	6.93	7.61	8.40
Duluth—Superior .....	264.27	267.00	331.85	39.8	37.5	39.6	6.64	7.12	8.38
Minneapolis—St. Paul .....	297.34	317.19	348.69	40.4	39.5	39.4	7.26	8.03	8.85
St. Cloud .....	209.41	215.12	248.12	37.8	34.2	35.7	5.54	6.29	6.95

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. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981
<b>MISSISSIPPI</b> .....	\$196.32	\$213.79	\$236.19	39.6	39.3	39.3	\$4.95	\$5.44	\$6.01
Jackson.....	223.02	239.76	260.09	41.3	40.5	40.2	5.40	5.92	6.47
<b>MISSOURI</b> .....	264.65	284.59	318.37	39.5	39.2	40.3	6.70	7.26	7.90
Kansas City.....	304.80	323.14	355.81	40.0	39.6	39.8	7.62	8.16	8.94
St. Joseph.....	249.80	275.02	285.92	39.4	39.8	38.9	6.34	6.91	7.25
St. Louis.....	303.11	324.32	353.81	40.2	39.6	39.4	7.54	8.19	8.98
Springfield.....	234.82	263.21	297.54	39.4	39.7	40.1	5.96	6.63	7.42
<b>MONTANA</b> .....	362.08	379.30	370.23	42.9	43.2	41.0	8.44	8.78	9.03
<b>NEBRASKA</b> .....	269.69	299.63	324.01	41.3	40.6	40.4	6.53	7.38	8.02
Lincoln.....	255.45	278.74	298.74	39.0	38.5	38.3	6.55	7.24	7.80
Omaha.....	279.45	300.56	327.46	40.5	39.6	39.5	6.90	7.59	8.29
<b>NEVADA</b> .....	267.58	294.90	325.01	38.5	38.2	38.6	6.95	7.72	8.42
Las Vegas.....	348.38	359.33	417.50	39.1	39.4	39.8	8.91	9.12	10.49
<b>NEW HAMPSHIRE</b> <sup>2</sup> .....	215.34	233.63	255.76	40.1	39.8	39.9	5.37	5.87	6.41
Manchester <sup>2</sup> .....	197.06	218.12	236.34	39.1	39.3	39.0	5.04	5.55	6.06
Nashua <sup>2</sup> .....	248.17	260.18	283.69	41.5	40.4	39.9	5.98	6.44	7.11
<b>NEW JERSEY</b> .....	276.45	295.57	322.08	41.2	40.6	40.7	6.71	7.28	7.91
Atlantic City.....	227.35	236.85	242.27	38.6	37.2	36.9	5.89	6.36	6.57
Camden <sup>3</sup> .....	264.62	300.29	330.48	40.4	40.8	40.6	6.55	7.36	8.14
Hackensack <sup>4</sup> .....	249.49	268.62	290.13	40.7	40.7	41.3	6.13	6.60	7.03
Jersey City <sup>4</sup> .....	266.09	290.19	310.52	41.0	40.7	40.4	6.49	7.13	7.68
New Brunswick—Perth Amboy—Sayreville.....	315.23	344.03	381.22	41.1	41.7	42.4	6.31	8.25	9.00
Newark <sup>4</sup> .....	286.70	305.04	337.79	42.1	41.0	41.4	6.81	7.44	8.16
Paterson—Clifton—Passaic <sup>4</sup> .....	257.29	283.56	314.56	41.1	41.7	42.6	6.26	6.80	7.39
Trenton.....	278.99	296.77	322.32	40.2	39.1	39.1	6.94	7.59	8.24
<b>NEW MEXICO</b> .....	211.72	230.44	258.59	39.5	39.8	39.6	5.36	5.79	6.53
Albuquerque.....	214.92	246.60	265.46	39.8	41.1	40.1	5.40	6.00	6.62
<b>NEW YORK</b> .....	260.17	282.89	308.90	39.6	39.4	39.4	6.57	7.18	7.84
Albany—Schenectady—Troy.....	278.59	302.25	328.84	40.2	40.3	40.2	6.93	7.50	8.18
Binghamton.....	243.31	268.96	293.23	41.1	41.0	41.3	5.92	6.56	7.13
Buffalo.....	347.71	369.84	405.62	41.1	40.2	40.2	8.46	9.20	10.09
Elmira.....	264.14	285.32	311.48	40.7	40.3	40.4	6.49	7.08	7.71
Monroe County <sup>5</sup> .....	348.19	382.47	421.45	41.8	41.8	41.4	8.33	9.15	10.18
Nassau—Suffolk <sup>6</sup> .....	244.95	271.83	297.94	39.7	39.8	40.1	6.17	6.83	7.43
New York—Northeastern New Jersey.....	248.75	270.28	(*)	39.8	39.4	(*)	6.25	6.86	(*)
New York and Nassau—Suffolk <sup>4</sup> .....	225.93	246.35	268.28	38.1	37.9	38.0	5.93	6.50	7.06
New York SMSA <sup>6</sup> .....	221.30	239.73	259.93	37.7	37.4	37.4	5.87	6.41	6.95
New York City <sup>7</sup> .....	217.46	235.69	255.99	37.3	37.0	37.1	5.83	6.37	6.90
Poughkeepsie.....	264.39	289.67	324.65	42.1	41.8	43.0	6.28	6.92	7.55
Rochester.....	327.02	357.70	394.70	41.5	41.4	41.2	7.88	8.64	9.58
Rockland County <sup>7</sup> .....	250.70	274.04	301.50	40.5	40.3	40.2	6.19	6.80	7.53
Syracuse.....	291.58	315.82	340.68	41.3	41.5	40.8	7.06	7.61	8.35
Utica—Rome.....	250.26	266.29	294.74	40.3	39.7	40.1	6.21	6.71	7.35
Westchester County <sup>7</sup> .....	248.88	270.66	291.67	40.6	40.7	39.9	6.13	6.65	7.31
<b>NORTH CAROLINA</b> .....	192.85	211.04	232.25	39.6	39.3	39.1	4.87	5.37	5.94
Asheville.....	191.75	209.22	228.31	40.2	39.7	39.5	4.77	5.27	5.78
Charlotte—Gastonia.....	197.80	215.74	239.59	40.7	40.4	40.2	4.86	5.34	5.96
Greensboro—Winston-Salem—High Point.....	210.14	232.66	255.57	39.5	39.3	38.9	5.32	5.92	6.57
Raleigh—Durham.....	219.85	244.55	267.13	39.9	39.7	39.4	5.51	6.16	6.78
<b>NORTH DAKOTA</b> .....	233.82	246.00	271.27	39.1	37.5	38.1	5.98	6.56	7.12
Fargo—Moorhead.....	251.29	266.35	288.04	38.9	37.2	38.1	6.46	7.16	7.56
<b>OHIO</b> .....	225.36	347.94	385.78	41.5	40.6	40.9	7.84	8.57	9.53
Akron.....	321.57	361.88	397.10	41.6	41.5	41.8	7.73	8.72	9.50
Canton.....	230.88	342.81	390.40	40.9	39.0	40.0	8.09	8.79	9.76
Cincinnati.....	303.37	332.07	360.86	41.5	41.2	41.1	7.31	8.06	8.78
Cleveland.....	337.60	350.38	375.38	42.2	40.6	41.1	8.00	8.63	9.62
Columbus.....	282.71	305.34	346.80	40.1	39.5	40.0	7.05	7.73	8.67
Dayton.....	336.80	358.98	397.85	42.1	41.5	41.4	8.00	8.65	9.61
Toledo.....	232.93	361.34	406.14	40.9	40.6	40.9	8.14	8.90	9.93
Youngstown—Warren.....	177.79	409.77	474.10	40.7	39.9	40.8	9.27	10.27	11.62

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. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981
<b>OKLAHOMA</b> .....	\$264.46	\$295.14	\$328.82	40.5	40.1	40.1	\$6.53	\$7.36	\$8.20
Oklahoma City .....	269.10	316.68	343.87	41.4	40.6	39.8	6.50	7.80	8.64
Tulsa .....	283.20	310.82	353.74	40.4	39.9	40.8	7.01	7.79	8.67
<b>OREGON</b> .....	304.92	329.57	(*)	38.5	38.1	(*)	7.92	8.65	(*)
Eugene—Springfield .....	331.35	360.24	(*)	39.4	39.5	(*)	8.41	9.12	(*)
Jackson County .....	313.56	333.21	(*)	39.0	38.3	(*)	8.04	8.70	(*)
Portland .....	292.59	325.66	(*)	37.9	38.0	(*)	7.72	8.57	(*)
Salem .....	(*)	299.63	(*)	(*)	36.9	(*)	(*)	8.12	(*)
<b>PENNSYLVANIA</b> .....	278.10	294.49	325.36	39.9	38.8	39.2	6.97	7.59	8.30
Allentown—Bethlehem—Easton .....	277.29	300.25	333.12	38.3	38.2	38.6	7.24	7.86	8.63
Altoona .....	238.55	253.72	275.28	39.2	38.5	38.5	6.07	6.59	7.15
Delaware Valley .....	284.80	304.10	333.13	40.0	39.7	39.8	7.12	7.66	8.37
Erie .....	286.29	313.75	350.17	41.6	40.8	41.1	6.93	7.69	8.52
Harrisburg .....	264.55	290.79	308.83	40.7	40.5	39.9	6.50	7.18	7.74
Johnstown .....	299.44	311.17	328.24	39.4	37.0	37.3	7.60	8.41	8.80
Lancaster .....	246.04	260.55	283.02	40.6	39.9	39.2	6.06	6.53	7.22
Northeast Pennsylvania .....	195.98	215.72	234.15	36.7	36.5	36.7	5.34	5.91	6.38
Philadelphia SMSA .....	281.50	302.84	332.80	40.1	39.9	40.0	7.02	7.59	8.32
Pittsburgh .....	345.17	360.89	404.00	40.8	39.1	40.4	9.46	9.23	10.00
Reading .....	248.71	278.16	307.69	38.5	39.4	39.6	6.46	7.06	7.77
Scranton .....	195.08	209.81	(*)	37.3	36.3	(*)	5.23	5.78	(*)
Wilkes-Barre—Hazleton .....	195.84	216.81	(*)	36.2	36.5	(*)	5.41	5.94	(*)
Williamsport .....	247.43	275.01	303.73	39.4	39.4	39.6	6.28	6.98	7.67
York .....	254.81	271.75	303.96	41.5	40.2	40.8	6.14	6.76	7.46
<b>RHODE ISLAND</b> .....	199.41	219.69	239.73	39.1	39.3	39.3	5.10	5.59	6.10
Providence—Warwick—Pawtucket .....	199.64	218.12	238.76	39.3	39.3	39.4	5.08	5.55	6.06
<b>SOUTH CAROLINA</b> .....	208.08	225.28	249.67	40.8	40.3	40.4	5.10	5.59	6.18
Charleston—North Charleston .....	235.82	260.18	272.16	40.8	40.4	39.5	5.78	6.44	6.89
Columbia .....	204.97	217.49	240.18	39.8	39.4	39.7	5.15	5.52	6.05
Greenville—Spartanburg .....	205.54	222.40	245.02	40.7	40.0	40.3	5.05	5.56	6.08
<b>SOUTH DAKOTA</b> .....	238.83	265.85	296.19	41.9	40.9	41.6	5.70	6.50	7.12
Rapid City .....	190.05	207.13	(*)	35.0	33.3	(*)	5.43	6.22	(*)
Sioux Falls .....	327.58	374.18	420.73	46.4	45.3	46.8	7.06	8.26	8.93
<b>TENNESSEE</b> .....	220.73	241.38	268.13	39.7	39.7	39.9	5.56	6.08	6.72
Chattanooga .....	224.62	247.25	265.36	40.4	40.6	40.7	5.56	6.09	6.52
Knoxville .....	260.98	274.51	296.56	40.4	39.9	39.7	6.46	6.88	7.47
Memphis .....	250.22	275.77	302.25	40.1	40.2	40.3	6.24	6.86	7.59
Nashville—Davidson .....	237.21	256.89	298.00	39.8	39.4	40.6	5.96	6.52	7.34
<b>TEXAS</b> .....	265.51	294.58	328.34	41.1	41.2	41.3	6.46	7.15	7.95
Abilene .....	(*)	195.70	221.03	(*)	41.2	42.1	(*)	4.75	5.25
Amarillo .....	255.27	288.15	311.81	40.2	41.7	40.6	6.35	6.91	7.68
Austin .....	206.23	230.34	257.36	41.0	40.5	41.1	5.03	5.69	6.26
Beaumont—Port Arthur—Orange .....	383.04	420.85	450.84	42.0	41.3	40.8	9.12	10.19	11.05
Corpus Christi .....	283.77	313.05	345.28	39.8	41.3	41.5	7.13	7.58	8.32
Dallas—Fort Worth .....	245.83	273.50	309.26	40.7	40.7	40.8	6.04	6.72	7.59
El Paso .....	224.89	204.27	223.44	40.0	41.1	39.9	5.62	4.97	5.60
Galveston—Texas City .....	407.89	429.72	494.64	42.4	41.2	43.2	9.62	10.43	11.45
Houston .....	323.94	374.11	419.87	43.2	43.2	43.5	7.73	8.66	9.63
Longview—Marshall .....	(*)	297.68	328.86	(*)	40.5	40.6	(*)	7.35	8.10
Lubbock .....	203.94	230.83	254.38	41.2	41.0	40.7	4.95	5.63	6.25
San Angelo .....	184.13	205.59	222.48	41.1	41.2	39.8	4.48	4.99	5.59
San Antonio .....	190.40	212.18	236.06	40.0	41.2	40.7	4.76	5.15	5.83
Sherman—Denison .....	(*)	257.35	285.12	(*)	40.4	39.6	(*)	6.37	7.20
Waco .....	224.64	245.78	268.37	39.9	39.9	40.6	5.62	6.16	6.61
Wichita Falls .....	235.20	264.26	295.10	40.0	40.1	41.1	5.88	6.59	7.18
<b>UTAH</b> .....	245.31	274.48	307.65	39.0	39.1	39.8	6.29	7.02	7.73
Salt Lake City—Ogden .....	231.08	263.47	297.54	39.1	39.5	40.1	5.91	6.67	7.42
<b>VERMONT</b> .....	225.62	249.28	271.60	40.8	40.6	40.0	5.53	6.14	6.79
Burlington .....	249.30	274.72	299.94	41.9	42.2	41.6	5.95	6.51	7.21
Springfield .....	266.91	285.76	308.80	42.3	41.9	40.9	6.31	6.82	7.55

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. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981	AVG. 1979	AVG. 1980	AVG. 1981
<b>VIRGINIA</b> .....	\$221.53	\$244.45	\$269.68	39.7	39.3	39.6	\$5.58	\$6.22	\$6.81
Bristol .....	204.50	206.07	226.98	37.8	37.4	37.5	5.41	5.51	6.05
Lynchburg .....	224.32	240.57	270.14	40.2	39.2	40.2	5.58	6.13	6.72
Norfolk—Virginia Beach—Portsmouth .....	255.64	271.21	293.45	41.1	40.6	41.1	6.22	6.68	7.14
Northern Virginia <sup>1</sup> .....	250.80	277.01	295.20	40.0	39.8	40.0	6.27	6.96	7.38
Petersburg—Colonial Heights—Hopewell .....	266.85	300.50	336.26	38.9	39.6	39.1	6.86	7.59	8.60
Richmond .....	275.60	318.40	350.61	40.0	40.0	40.3	6.89	7.96	8.70
Roanoke .....	206.80	232.22	253.04	40.0	39.9	39.6	5.17	5.82	6.59
<b>WASHINGTON</b> .....	323.85	361.34	405.07	38.6	38.4	38.8	8.39	9.41	10.44
Seattle—Everett .....	334.70	373.44	421.74	39.1	38.9	39.6	8.56	9.60	10.65
Spokane .....	289.91	332.88	359.25	38.5	38.0	37.5	7.53	8.76	9.58
Tacoma .....	321.79	353.82	404.53	38.4	37.6	38.6	8.38	9.41	10.48
<b>WEST VIRGINIA</b> .....	293.44	316.74	346.72	39.6	39.2	39.4	7.41	8.08	8.80
Charleston .....	326.04	365.25	419.48	41.8	41.6	42.5	7.80	8.78	9.87
Huntington—Ashland .....	323.44	360.38	393.62	39.3	39.3	39.6	8.23	9.17	9.94
Parkersburg—Marietta .....	309.59	336.61	378.53	41.5	40.9	41.1	7.46	8.23	9.21
Wheeling .....	306.40	344.66	389.05	40.0	39.3	39.1	7.66	8.77	9.95
<b>WISCONSIN</b> .....	297.00	323.10	352.55	40.9	40.2	40.1	7.27	8.03	8.80
Appleton—Oshkosh .....	295.20	315.59	353.08	41.9	41.1	41.9	7.05	7.67	8.43
Eau Claire .....	288.08	318.24	342.72	40.5	41.0	40.9	7.12	7.76	8.38
Green Bay .....	304.51	335.30	371.31	41.7	41.7	41.7	7.29	8.04	8.91
Janesville—Beloit .....	312.40	337.12	364.55	40.0	40.3	39.6	7.81	8.37	9.22
Kenosha .....	350.14	371.41	398.76	41.0	39.9	39.6	8.54	9.32	10.07
La Crosse .....	240.46	281.56	310.13	40.3	40.3	40.2	5.97	6.99	7.71
Madison .....	288.92	320.44	336.75	39.6	39.1	39.2	7.30	8.19	8.59
Milwaukee .....	325.10	356.21	388.09	40.9	40.3	40.0	7.96	8.85	9.71
Racine .....	320.56	344.35	375.16	41.8	40.2	39.7	7.67	8.56	9.44
<b>WYOMING</b> .....	251.17	272.69	314.41	37.6	38.9	39.9	6.68	7.01	7.88
<b>VIRGIN ISLANDS</b> .....	274.03	295.10	359.98	40.9	41.1	42.3	6.70	7.18	8.51

<sup>1</sup> Hours and earnings based on March 1980 benchmark.

<sup>2</sup> Data for 1980 not comparable with earlier years.

<sup>3</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

<sup>4</sup> Subarea of New York-Northeastern New Jersey.

<sup>5</sup> Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>6</sup> Area included in New York and Nassau-Suffolk combined SMSA's.

<sup>7</sup> Subarea of New York Standard Metropolitan Statistical Area.

<sup>8</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

<sup>9</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical area: Lackawanna County.

<sup>10</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical area: Luzerne County.

<sup>11</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.

## Area Definitions

### ALABAMA

Birmingham.....Jefferson, St. Clair, Shelby, and Walker Counties  
 Huntsville.....Limestone, Madison, and Marshall Counties  
 Mobile.....Baldwin and Mobile Counties  
 Montgomery.....Autauga, Elmore, and Montgomery Counties  
 Tuscaloosa.....Tuscaloosa County

### ARIZONA

Phoenix.....Maricopa County  
 Tucson.....Pima County

### ARKANSAS

Fayetteville-  
 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

### CALIFORNIA

Anaheim-Santa Ana-  
 Garden Grove.....Orange County  
 Bakersfield.....Kern County  
 Fresno.....Fresno County  
 Los Angeles-  
 Long Beach.....Los Angeles County  
 Modesto.....Stanislaus County  
 Oxnard-Simi  
 Valley-Ventura.....Ventura County  
 Riverside-San Bernardino-Ontario..Riverside and San Bernardino Counties  
 Sacramento.....Placer, Sacramento, and Yolo Counties  
 Salinas-Seaside-  
 Monterey.....Monterey County  
 San Diego.....San Diego County  
 San Francisco-  
 Oakland.....Alameda, Contra Costa, Marin, San Francisco, and San Mateo Counties  
 San Jose.....Santa Clara County  
 Santa Barbara-Santa Maria-Lompoc.....Santa Barbara County  
 Santa Rosa.....Sonoma County  
 Stockton.....San Joaquin County  
 Vallejo-Fairfield-  
 Napa.....Napa and Solano Counties

### COLORADO

Denver-Boulder.....Adams, Arapahoe, Boulder, Clear Creek, Denver, Douglas, Gilpin, and Jefferson Counties

### CONNECTICUT

Bridgeport.....Bridgeport and Shelton cities, and Easton, Fairfield, Monroe, Stratford, and Trumbull towns in Fairfield County; Derby and Milford cities in New Haven County  
 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  
 New Britain.....New Britain city, and Berlin, Plainville, and Southington towns in Hartford County  
 New Haven-  
 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

### CONNECTICUT--Continued

Stamford.....Stamford city, and Darien, Greenwich, and New Canaan towns in Fairfield County  
 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

### DELAWARE

Wilmington.....New Castle County, Del.; Cecil County, Md.; Salem County, N.J.

### DISTRICT OF COLUMBIA

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.

### FLORIDA

Bradenton.....Manatee County  
 Daytona Beach.....Volusia County  
 Fort Lauderdale-  
 Hollywood.....Broward County  
 Fort Myers-  
 Cape Coral.....Lee County  
 Gainesville.....Alachua County  
 Jacksonville.....Baker, Clay, Duval, Nassau, and St. Johns Counties  
 Lakeland-  
 Winter Haven.....Polk County  
 Melbourne-Titusville-  
 Cocoa.....Brevard County  
 Miami.....Dade County  
 Orlando.....Orange, Osceola, and Seminole Counties  
 Panama City.....Bay County  
 Pensacola.....Escambia and Santa Rosa Counties  
 Sarasota.....Sarasota County  
 Tallahassee.....Leon and Wakulla Counties  
 Tampa-  
 St. Petersburg.....Hillsborough, Pasco, and Pinellas Counties  
 West Palm Beach-  
 Boca Raton.....Palm Beach County

### GEORGIA

Albany.....Dougherty and Lee Counties  
 Atlanta.....Butts, Cherokee, Clayton, Cobb, De Kalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Newton, Paulding, Rockdale, and Walton Counties  
 Augusta.....Columbia and Richmond Counties, Ga.; Aiken County, S.C.  
 Columbus.....Columbus (consolidated government), and Chattahooche County, Ga.; Russell County, Ala.  
 Macon.....Bibb, Houston, Jones, and Twiggs Counties  
 Savannah.....Bryan, Chatham, and Effingham Counties

### HAWAII

Honolulu.....Honolulu County

### IDAHO

Boise City.....Ada County

### ILLINOIS

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.....Folk 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.....Daviness 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 SMSA.....Baltimore city, and Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties  
 Baltimore City.....Baltimore City

### 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, Trewksbury, 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  
 Benton Harbor.....Berrien 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  
                   Wyanotte 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, Hormigueros, 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

Amarillo.....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.....Burlington, South Burlington, and Winooski cities and Charlotte, Essex, Hineburg, Jericho, Milton, Richmond, St. George, Shelburne, and Williston towns in Chittenden County; Georgia town in Franklin County; and South Hero town 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 interviews from a sample of about 60,000 households, representing 629 areas in 1,148 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

*Data based on establishment records* are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The establishment survey is designed to provide industry information on nonagricultural wage and salary employment, average weekly hours, average hourly earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of establishments employing over 30 million nonagricultural wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th day of the month.

### RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

The household and establishment data supplement one another, each providing significant types of information that the other cannot suitably supply. Population characteristics, for example, are readily obtained only from the household survey whereas detailed industrial classifications can be reliably derived only from establishment reports.

Data from these two sources differ from each other because of differences in definitions and coverage, sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on levels and trends of the two series are as follows.

#### Employment

*Coverage.* The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers), self-employed persons, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. Employment in both agricultural and nonagricultural industries is included. The payroll survey covers only wage and salary employees on the payrolls of nonagricultural establishments.

*Multiple jobholding.* The household approach provides information on the work status of the population without duplication, since each

person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once and are classified according to the job at which they worked the greatest number of hours during the survey week. In the figures based on establishment reports, persons who worked in more than one establishment during the reporting period are counted each time their names appear on payrolls.

*Unpaid absences from jobs.* The household survey includes among the employed all persons who had jobs but were not at work during the survey week—that is, were not working but had jobs from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or because they were taking time off for various other reasons, even if they were not paid by their employers for the time off. In the figures based on payroll reports, persons on leave paid for by the company are included, but not those on leave without pay for the entire payroll period.

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

#### Hours of work

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

#### Earnings

The household survey measures median earnings of wage and salary workers in all occupations and industries in both the private and public sectors. Data refer to the usual earnings received from the worker's sole or primary job. Data from the establishment survey generally refer to mean earnings of production and related workers in mining and manufacturing, construction workers in construction, and nonsupervisory employees in private service-producing industries. For a comprehensive discussion of the household survey earnings series, see "Technical Description of the Quarterly Data on Weekly Earnings from the Current Population Survey," BLS Bulletin 2113.

### COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

*Unemployment insurance data.* The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Employment and Training Administration of the Department of Labor, exclude persons



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

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

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

*Agricultural employment estimates of the Department of Agriculture.* The principal differences in coverage are the inclusion of persons under 16 in the Statistical Research Service (SRS) series and the treatment of dual jobholders who are counted more than once if they work on more than one farm during the reporting period. There are also wide differences in sampling techniques and collecting and estimating methods, which cannot be readily measured in terms of impact on differences in level and trend of the two series.

#### COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

*Statistics on manufactures and business, Bureau of the Census.* BLS establishment statistics on employment differ from employment

counts derived by the Bureau of Census from its censuses or annual sample survey of manufacturing establishments and the censuses of business establishments. The major reasons for some noncomparability are different treatment of business units considered parts of an establishment, such as central administrative offices and auxiliary units, the industrial classification of establishments, and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes professional services, public utilities, and financial establishments, whereas these are included in the BLS statistics.

*County Business Patterns.* Data in County Business Patterns (CBP), published by the Bureau of the Census, U.S. Department of Commerce, differ from BLS establishment statistics in the treatment of central administrative offices and auxiliary units. Differences may also arise because of industrial classification and reporting practices. In addition, CBP excludes interstate railroads and government, and coverage is incomplete for some of the nonprofit activities.

*Employment covered by State unemployment insurance programs.* Most nonagricultural wage and salary workers are covered by the unemployment insurance programs. Beginning in January 1972, coverage was expanded to include employees of small firms and selected nonprofit activities who had not been covered previously. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in the BLS establishment statistics. Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

## Household Data (A tables)

#### COLLECTION AND COVERAGE

Statistics on the employment status of the population, the personal, occupational, and other characteristics of the employed, the unemployed, and persons not in the labor force, and related data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). A detailed description of this survey appears in *Concepts and Methods Used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463. This report is available from BLS upon request.

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

Inmates of institutions, members of the Armed Forces, and persons under 14 years of age are not covered in the regular monthly enumerations and are excluded from the population and labor force statistics shown in this report. Data on members of the Armed Forces, who are

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

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

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

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

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

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

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

## CONCEPTS

*Employed persons* comprise (a) all those who during the survey week did any work at all as paid employees, in their own business, profession, or farm, or who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family, and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or personal reasons, whether or not they were paid by their employers for the time off, and whether or not they were seeking other jobs.

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

Included in the total are employed citizens of foreign countries, temporarily in the United States, who are not living on the premises of an embassy.

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

*Unemployed persons* comprise all persons who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work during the survey week (except for temporary illness). Also included as unemployed are those who did not work at all, were available for work, and (a) were waiting to be called back to a job from which they had been laid off; or (b) were waiting to report to a new wage or salary job within 30 days.

Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed had been continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of 2 weeks or more during which a person was employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Measurements of mean and median duration are computed from a distribution of single weeks of unemployment.

Unemployed persons by reasons for unemployment are divided into four major groups. (1) Job losers are persons whose employment ended involuntarily who immediately began looking for work and persons on layoff. (2) Job leavers are persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work. (3) Reentrants are persons who previously worked at a full-time job lasting 2 weeks or longer but were out of the labor force prior to beginning to look for work. (4) New entrants are persons who never worked at a full-time job lasting 2 weeks or longer.

Jobseekers are all unemployed persons who made specific efforts to find a job, sometime during the 4-week period preceding the survey week. Jobseekers do not include persons unemployed because they (a) were waiting to be called back to a job from which they had been laid off or (b) were waiting to report to a new wage or salary job within 30 days. Jobseekers are grouped by the methods used to seek work, including going to a public or private employment agency or to an employer directly, seeking assistance from friends or relatives, placing or answering ads, or utilizing some "other" method. Examples of the "other" category include being on a union or professional register, obtaining assistance from a community organization, or waiting at a designated pick-up point.

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

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

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

*Participation rates* represent the proportion of the noninstitutional population that is in the labor force. Two types of participation rates are published. The total labor force participation rate, which is the ratio of the total labor force and the total noninstitutional population; and the civilian labor force participation rate which is the ratio of the civilian labor force and the civilian noninstitutional population. Participation rates are usually published for sex-age groups, often cross-classified by other demographic characteristics such as race and educational attainment.

*Employment-population ratios* represent the proportion of the total noninstitutional population that is employed.

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

For persons not in the labor force, data on previous work experience, intentions to seek work again, desire for a job at the time of interview, and reasons for not looking for work are compiled on a quarterly basis. As of January 1970, the detailed questions for persons not in the labor force are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for 3 previous months and would not be in for the subsequent month. Between 1967 and 1969, the detailed not-in-labor force questions were asked of persons in the first and fifth months in the sample, i.e., the "incoming" groups.

*Occupation, industry, and class of worker* for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their last full-time civilian job lasting 2 weeks or more. The occupation and industry groups used in the CPS are defined as in the 1970 Census of Population. Information on the detailed categories included in these groups is available upon request.

The class-of-worker breakdown specifies "wage and salary workers," subdivided into private and government workers, "self-employed workers," and "unpaid family workers." Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a government unit. Self-employed persons are those who work for profit or fees in their own business, profession, or trade, or operate a farm. Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by blood or marriage.

*Hours of work* statistics relate to the actual number of hours worked during the survey week. For example, a person who normally works 40 hours a week but who was off on the Columbus Day holiday would be reported as working 32 hours even though he/she was paid for the holiday.

For persons working in more than one job, the figures relate to the number of hours worked in all jobs during the week. However, all the hours are credited to the major job.

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

Persons who worked 35 hours or more in the survey week are designated as working "full time," correspondingly persons who worked between 1 and 34 hours are designated as working "part time." Part-time workers are classified by their usual status at their present job (either full or part time) and by their reason for working part time during the survey week (economic or other reasons). "Economic reasons" include: Slack work, material shortages, repairs to plant or equipment, start or termination of a job during the week, and inability to find full-time work. "Other reasons" include: Labor dispute, bad weather, own illness, vacation, demands of home, housework, school, no desire for full-time work, and full-time worker only during the peak season. Persons on full-time schedules include, in addition to those working 35 hours or more, those who worked from 1 to 34 hours for noneconomic reasons and usually work full time.

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

*Labor force time lost* is a measure of aggregate hours lost to the economy through unemployment and involuntary part-time employment and is expressed as a percent of potentially available aggregate hours. It is computed by assuming: (1) That unemployed persons looking for full-time work lost an average of 37.5 hours (2) that those looking for part-time work lost the average number of hours actually worked by voluntary part-time workers during the survey week, and (3) that persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

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

*Hispanic origin* refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American, or of other Hispanic origin or descent.

*Major activity: going to school and major activity: other* are terms used to describe whether the activity of young persons during the reference week is primarily one of going to school or not. Statistics on major activity are published every month in table A-7 for 16- to 21-year-olds by employment status, race, and sex, and, if unemployed, whether seeking full- or part-time work.

*Vietnam-era veterans* are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. Tables for veterans in this volume are limited to males in the civilian noninstitutional population, i.e., veterans in institutions and females are excluded.

*Nonveterans* are males who never served in the Armed Forces.

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

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

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

*Usual weekly earnings* data are provided from responses to the question "How much does . . . USUALLY earn per week at this job before deductions?" Included are any overtime pay, commissions, or tips usually received. Data refer to the sole or primary job of wage and salary workers. The term "usual" is as perceived by the respondent. If the respondent asks for a definition of "usual," interviewers are instructed to define the term as more than half the weeks worked during the past 4 or 5 months.

A *household* consists of all persons—related family members and all unrelated persons—who occupy a housing unit. A house, an apartment, a group of rooms, or a single room are regarded as a housing unit when occupied or intended for occupancy as separate living quarters.

A *householder* is the person (or one of the persons) in whose name the housing unit is owned or rented. The term is never applied to either husbands or wives in married-couple families but only to persons in families maintained by either men or women without a spouse.

*Family* refers to a group of two or more persons residing together who are related by blood, marriage, or adoption; all such persons are considered as members of one family even though they may include a "subfamily," that is, a married couple or a parent-child group related by blood or marriage to the householder and sharing the living quarters. The counts of families used in this volume refer to primary families only, that is, all persons in the household who are related to the householder. Families are classified either as married-couple families or as those maintained by women or men without spouses. Data on the earnings of families exclude all those in which there is no wage or salary earner or in which the husband, wife, or other persons maintaining the family is either self-employed or in the Armed Forces.

## HISTORIC COMPARABILITY

### Raised lower age limit

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

### Noncomparability of labor force levels

Before the changes introduced in 1967, the labor force data were not comparable for three earlier periods: (1) Beginning in 1953, as a result of the introduction of data from the 1950 census into the estimation procedure, population levels were raised by about 600,000; labor force, total employment, and agricultural employment by about 350,000, primarily affecting the figures for totals and males; other categories were relatively unaffected; (2) beginning in 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force, four-fifths of this in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning in 1962, the introduction of figures from the 1960 census reduced the population by about 50,000, labor force and employment by about 200,000; unemployment totals were

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

Beginning in January 1974, the methodology used to prepare independent estimates of the civilian noninstitutional population was modified to an "inflation-deflation" approach. This change in the derivation of the population estimates had its greatest impact on estimates of 20- to 24-year-old males—particularly those of the black-and-other population—but had little effect on 16 and over totals. Additional information on the adjustment procedure appears in "CPS Population Controls Derived from Inflation-Deflation Method of Estimation" in the February 1974 issue of *Employment and Earnings*.

Effective July 1975, as a result of the immigration of Vietnamese refugees into the United States, the total and black-and-other independent population controls for persons 16 years and over were adjusted upward by 76,000—30,000 males and 46,000 females. The addition of the refugees increased the black-and-other population by less than 1 percent in any age-sex group, and all of the changes were in the "other" population.

Beginning in 1978, the introduction of an expansion of the sample and revisions in the estimation procedures resulted in an increase of roughly a quarter of a million in the overall civilian labor force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indication of the differences appear in "Revisions in the Current Population Survey in January 1978" in the February 1978 issue of *Employment and Earnings*.

Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group households, rather than determined by the interviewer as before. The purpose of this change was to provide more accurate estimates of characteristics by race. Thus, in October 1978, one-eighth of the sample households had race determined by the household respondent and seven-eighths of the sample households had race determined by interviewer observation. It was not until January 1980 that the entire sample had race determined by the household respondent. The new procedure had no significant effect on the estimates.

Beginning in 1979, the first-stage ratio estimation method was changed in the CPS estimation procedure. The new procedure is described in the *Estimating Methods* section. The reasoning behind the change and an indication of the differences appear in "Change in the Estimation Procedure for the Current Population Survey beginning in January 1979" in the February 1979 issue of *Employment and Earnings*. Differences between the old and new procedures exist only for metropolitan and nonmetropolitan estimates, not for the total U.S.

Beginning in January 1982, the second-stage ratio adjustment methodology was changed in the CPS estimation procedure. The new procedure is described in the *Estimating Methods* section. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in "Revisions in the Current Population Survey in January 1982" in the February 1982 issue of *Employment and Earnings*. In addition, current population estimates used in the second-stage estimation procedure are derived from information obtained from the 1980 census, rather than the 1970 census.

This change caused substantial increases in total population and estimates of persons in all labor force categories. Rates on labor force characteristics, however, remained virtually unchanged. Some 30,000 labor force series were adjusted back to 1970 to avoid major breaks in series. The adjustment procedure used is also described in the February 1982 article referenced above. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979 that are described above, and data users should make allowances for them in making certain data comparisons.

#### **Changes in the occupational classification system**

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

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

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

Additional information on changes in the occupational classification system of the CPS appears in "Revisions in Occupational Classifications for 1971" and "Revisions in the Current Population Survey" in the February 1971 and February 1972 issues, respectively, of *Employment and Earnings*.

#### **Changes in sample design**

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

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, occasionally the sample is expanded in terms of number of sample areas and number of sample persons. In 1953, a rotation plan was introduced in which a sample unit would be interviewed for 4 months, leave the sample for 8 months, and then return to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to the sample to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area

sampling. Following the 1970 census, the ultimate sampling unit was changed from a noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated with the existing design. A coverage improvement sample, composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 60,000 new construction house units, was included in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction housing units that previously had no chance for selection in the CPS sample. In January 1980 another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added to the existing sample. A sample reduction of about 6,000 units was implemented in May 1981. In January 1982, about 100 occupied units were added to provide sufficient coverage in counties added to SMSA's which were redefined in 1973.

Table A provides a description of some aspects of the CPS sample design in use during the different data collection periods. For a more detailed account of the history of the CPS sample design, see *The Current Population Survey: Design and Methodology*, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce, or *Concepts and Methods used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463.

### ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. The CPS estimation procedure involves weighting the data from each sample person. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 and 1980 expansions, almost all sample persons within the sample area have the same basic weight, but the weight may differ across sample areas. The basic weight is the same for almost all sample persons in unsupplemented States. The basic weights are then adjusted for noninterview, and the ratio estimation procedure is applied.

*1. Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and within these, for six groups—two race categories (white, and black and other) within three residence categories. For sample areas which are Standard Metropolitan Statistical Areas (SMSA's), these

residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 4 to 5 percent depending on weather, vacations, etc.

*2. Ratio estimates.* The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole, in such characteristics as age, race, sex, and residence. Since these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the survey estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:

*a. First-stage ratio estimate.* In the CPS, a portion of the 629 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, North Central, South, and West), and second, for each of the 46 States which contains nonsample areas. The procedure corrects for the differences that existed at the time of the 1980 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by urban-rural status and race.

*b. Second-stage ratio estimate.* In this stage, the sample proportions in the categories described below are adjusted to the distribution of independent current estimates of the civilian noninstitutional population in the same categories. The second-stage ratio estimate is performed in order to increase the reliability of the estimates and is carried out in two steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over, for the State. The second step of the adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates of the civilian noninstitutional population within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of the State population and of the national age-sex-race categories will be virtually equal to the independent population estimates. This second stage adjustment procedure incorporates changes instituted in January 1982. The nature of these changes is discussed in detail in "Revisions in the

**Table A. Characteristics of the CPS sample**

Time period	Number of sample areas	Households eligible		Households visited not eligible
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954 .....	68	21,000	500-1,000	3,000-3,500
Feb. 1954 to Apr. 1956 .....	230	21,000	500-1,000	3,000-3,500
May 1956 to Dec. 1959 .....	<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 Apr. 1981 .....	629	62,200	2,800	12,000
May 1981 to present .....	629	57,600	2,500	11,000

<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.

Current Population Survey Beginning in January 1982" in the February 1982 issue of *Employment and Earnings*.

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

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

Data on births and deaths between April 1, 1980, and the estimate date are based on tabulation of vital statistics for the resident population made by the National Center for Health Statistics and data on deaths of military personnel overseas from the Department of Defense. Estimates of net civilian immigration are based on data provided by the Immigration and Naturalization Service, the Department of Defense, the Office of Personnel Management, and the Puerto Rico Planning Board. The civilian noninstitutional population for the estimate date is derived by subtracting the Armed Forces and the institutional population from the total population including Armed Forces overseas. The institutional population is computed by applying institutional proportions derived from the 1980 census to the total population, including Armed Forces overseas for the estimate date. All computations described above are performed in cells defined by single year of age, race, and sex. The independent national controls are then obtained by collapsing these cells into broader age groups for the population 16 years and older.

**3. Composite estimate procedure.** In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent) as well as the sample results for the current month. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of levels are also improved, but to a lesser extent.

#### **Rounding of estimates**

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Differences, however, are insignificant.

#### **Reliability of the estimates**

There are two types of errors possible in an estimate based on a sample survey—sampling and nonsampling. The standard errors provided primarily indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in response and enumeration but do not measure any systematic biases in the data.

**Nonsampling errors.** The full extent of nonsampling error is unknown, but special studies have been conducted to quantify some sources of nonsampling error in the CPS as discussed below. The effect of nonsampling error should be small on estimates of relative change, such as month-to-month change. Estimates of monthly levels would be more severely affected by the nonsampling error.

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

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

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

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Overall undercoverage as compared to the level of the decennial census, is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females, and larger for black and other races combined than for whites. Ratio estimation to independent age-sex-race population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race group. Further, the independent population controls used have not been adjusted for undercoverage in the 1980 census.

Additional information on nonsampling error in the CPS appears in the paper, "An Error Profile: Employment as Measured by the Current Population Survey," by Camilla Brooks and Barbara Bailar, Statistical Policy Working Paper 3, U.S. Department of Commerce, Office of Federal Statistical Policy and Standards; in the paper "The Current Population Survey: An Overview," by Marvin Thompson and Gary Shapiro, *Annals of Economic and Social Measurement*, Vol. 2, April 1973; and in the *The Current Population Survey, Design and Methodology*, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce. This last document includes a comprehensive and up-to-date discussion of various sources of error, and describes attempts to measure them in the CPS.

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

same general conditions and using the same sample design, and an estimate and its estimated error were calculated from each sample, then:

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

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

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

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

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

Tables D through H provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table I contains factors for use with table H for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the tables may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between two consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard errors, as described below, for levels, labor force participation rates, and percentages as pertaining to year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50 and for the 1956-66 period they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates of persons and families for use with the CPS earnings data.

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

*Illustration.* Assume that in a given month the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table D shows that the standard error on an estimate of

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

*Standard errors for rates and percentages.* The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends on both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are not published when the monthly base is less than 75,000, the quarterly average base is less than 60,000, or the annual average base is less than 35,000.

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

Generalized standard errors for estimated monthly percentages and estimated month-to-month change in percentages can be obtained through the use of the standard errors in table H and the factors in table I. First obtain the standard error from table H for the specific percentage and base. The generalized standard error is then calculated

**Table B. Standard errors for major employment status categories**

(In thousands)

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



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

*Illustration.* For example, assume that in a given month 3.6 percent of a total of 90,771,000 employed persons are employed in agriculture. First the standard error on an estimate of 3.6 percent with a base of 90,771,000 is obtained from table H (0.09 percentage point). The appropriate factor from table I for the numerator of the percentage, agricultural employment, is 1.26. The generalized standard error on the estimated 3.6 percent is then approximately  $0.09 \times 1.26 = 0.1$  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 persons and families may be obtained by using table K in conjunction with the following formula:

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

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

*Illustration:*

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

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

or about 259,000.

**Table C. Standard errors for unemployment rates by major characteristics**

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



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

(in thousands)

Estimated monthly level	Characteristic <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	48
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	64	-	99	53	106	93
8,000 .....	-	125	90	64	-	113	16	122	-
10,000 .....	-	139	87	76	-	124	-	135	-
15,000 .....	-	166	36	-	-	146	-	183	-
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 .....	.85	.91	1.42	1.96	2.33	2.61	2.82	2.99	3.12	3.28
1,000 .....	.48	.65	1.01	1.38	1.85	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	.28	.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	.88	.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	.48	.70
Labor force data other than agricultural employment data and unemployment data:					
Total or white .....	1.30	.88	.88	.67	.70
Black and other or teenagers (16-19 years) .....	1.30	.82	.88	.57	.70
Part time .....	1.40	.74	.88	.46	.60
Unemployment:					
Total .....	1.40	.76	.88	.50	.65
Part time .....	1.40	.69	.88	.39	.54

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

(In thousands)

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

# Establishment Data (B and C tables)

## COLLECTION

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

### Federal-State cooperation

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

### Shuttle schedules

Form BLS 790—Report on Employment, Payroll, and Hours is the name of the data collection schedule. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered on the space allotted for that month. This "shuttle" procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures that have been reported for previous months.

Form BLS 790 provides for entry of data on the total number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, employment, payroll, and hours of production and related workers or nonsupervisory workers for pay period which includes the 12th of the month.

## CONCEPTS

### Industrial classification

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

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

### Industry employment

Employment data, except those for the Federal Government, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

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

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

### Industry hours and earnings

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

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

*Construction workers* include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, helpers, laborers, etc., engaged in new work, alterations, demolition, repair, maintenance, etc., whether working at the site of construction or working in shops or yards at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

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

*Payroll* covers the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds, or union dues; also included is pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period); other pay not earned in the pay period reported (e.g., retroactive pay); tips; and the value of free rent, fuel, meals, or other payment in kind are excluded. "Fringe benefits" (such as health and other types of insurance, contributions to retirement, etc., paid by the employer) are also excluded.

*Hours* cover the hours paid for during the pay period which includes the 12th of the month for production, construction, or nonsupervisory workers. Included are hours paid for holidays, vacations, and for sick leave when pay is received directly from the firm.

*Overtime hours* covers hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which includes the 12th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

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

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

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

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

Long-term trends of gross average weekly earnings can be affected by structural changes in the makeup of the work force. For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the services industries have reduced average workweeks in these industries and have affected the average weekly earnings series.

*Average weekly hours.* The workweek information relates to the average hours for which pay was received and is different from standard or scheduled hours. Such factors as unpaid absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

*Average overtime hours.* The overtime hours represent that portion of the gross average weekly hours which exceeded regular hours and for which overtime premiums were paid. If an employee were to work on a paid holiday at regular rates, receiving as total compensation his or her holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Since overtime hours are premium hours by definition, gross weekly hours and overtime hours do not necessarily move in the same direction from month to month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the industry-group level also may be caused by a marked change in hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

*Railroads hours and earnings.* The figures for Class I railroads (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group I) who received pay during the month. Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

"Real" earnings, or earnings in constant dollars, are calculated from the earnings averages for the current month using a deflator derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).

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

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

*Indexes of diffusion of changes in number of employees on nonagricultural payrolls.* These indexes measure the percent of industries which posted increases in employment over the specified time span. The indexes are calculated from 172 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December 1974 issue of *Employment and Earnings*.

## 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 procedure are described in table L.

### Size and regional stratification

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

### Benchmark adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide "benchmarks" for the

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

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
<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.
<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.

<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.

various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1980 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by States agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover about 98 percent of employees on nonagricultural payrolls in the United States. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made at the time of the March 1980 benchmark adjustment is shown in table M.

Data for all months since the last benchmark to which the series has been adjusted are subject to revision. Revised data are published as soon as possible after each benchmark revision.

## THE SAMPLE

### Design

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

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

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

available resources, it is necessary to design samples for these industries with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

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

### Coverage

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

### Reliability of the employment estimates

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a "link relative" technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision

**Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1980<sup>1</sup>**

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

<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.



adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table O presents the average percent revisions of the six most recent benchmarks (excluding the March 1973 adjustment) for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

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

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

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

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

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

(In percent)

Industry division	Average benchmark revision in estimates of employment <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 .....	1.0	.5	.5
Construction .....	1.7	.2	.3
Manufacturing .....	.3	.1	.1
Durable goods .....	.4	.1	.1
Nondurable goods .....	.4	.1	.1
Transportation and public utilities .....	.4	.7	.4
Trade .....	.4	.1	.2
Wholesale .....	.7	.2	.3
Retail .....	.4	.2	.2
Finance, insurance, and real estate .....	.5	.2	.4
Services .....	.7	.4	.8
Government <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 1960 revision, samples for State and local government benchmarked to a quinquennial census of government conducted by the Bureau of the Census.

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

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

Size of employment estimate	Root-mean-square error of employment estimates <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 Q presents root-mean-square errors of the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are normally not greater than 0.1 of an hour for weekly hours and 1 cent for hourly earnings.

#### STATISTICS FOR STATES AND AREAS

State and area employment, hours, and earnings data are collected and prepared by State agencies in cooperation with BLS.

**Table Q. Errors of preliminary employment estimates**

Category	Root-mean-square error of—	
	Monthly level	Month-to-month change
<b>INDUSTRY DIVISIONS</b>		
Total nonagricultural employment .....	83,000	69,000
Mining .....	5,000	5,000
Construction .....	19,000	16,000
Manufacturing .....	29,000	27,000
Durable two-digit industries .....	3,700	3,500
Nondurable two-digit industries .....	2,500	2,500
Transportation and public utilities .....	14,000	14,000
Wholesale and retail trade .....	30,000	27,000
Finance, insurance, and real estate .....	8,000	7,000
Services .....	31,000	26,000
Government .....	46,000	36,000
<b>DETAILED INDUSTRIES: SIZE OF EMPLOYMENT ESTIMATE</b>		
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 1976 through June 1979.

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

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

#### PRODUCTIVITY DATA

Tables C-9, C-10, and C-11 are compiled by the Bureau of Labor Statistics from establishment data and from estimates of compensation and gross national product supplied by the U.S. Department of Commerce and the Federal Reserve Board.

#### Definitions

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

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

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

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

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

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

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

#### Notes on the data

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

Manufacturing data have been revised to reflect the revisions in the Federal Reserve Board Index of Industrial Production. Output data are supplied by the Bureau of Economic Analysis, U.S. Department of Commerce, and the Federal Reserve Board. Quarterly measures have been adjusted by the Bureau of Labor Statistics to annual estimates of output (gross product originating) from the Bureau of Economic Analysis. Compensation and hours data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics.

## State and Area Unemployment Data (D table)

#### FEDERAL-STATE COOPERATIVE PROGRAM

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

#### ESTIMATING METHODS

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

Monthly employment and unemployment estimates in the remaining 40 States and 214 labor market areas are prepared in several stages.

1. *Preliminary estimate—employment*: The total employment estimate is based primarily on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residences as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the major categories of employ-

ment by class of worker and industry on the basis of employment relationships which existed at the time of the 1970 Decennial Census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates.

2. *Preliminary estimate—unemployment*: In the current month, the estimate of unemployment is an aggregate of the estimates for each of three building block categories: (1) Persons who were previously employed in industries covered by State unemployment insurance (UI) laws; (2) those previously employed in industries not covered by these laws; and (3) those who were entering the labor force for the first time or reentering after a period of separation. This is referred to below as the UI-based estimate.

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

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

For the third category, new entrants and reentrants into the labor force, a composite estimate is developed from equations that relate the total entrants into the labor force to the experienced unemployed and

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

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

U = total entrant unemployment

E = total employment

X = total experienced unemployment

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

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

4. *Substate adjustment for additivity.* Independent estimates of employment and unemployment are prepared both for the State (obtained directly from the CPS in the 10 large States or by the UI-based

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

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

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

## Seasonal Adjustment

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

The seasonal adjustment program used for these series are based on an *adaptation* of the standard ratio-to-moving average method. They provide for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description of the method is given in the publication, *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

Beginning in January 1980, the BLS introduced two major modifications in the seasonal adjustment methodology for data from the household survey. First, the data are being seasonally adjusted with a new procedure called X-11 ARIMA, which was developed at Statistics Canada as an extension of the existing standard X-11 method. A detailed description of the procedure appears in *The X-11 ARIMA Seasonal Adjustment Method*, by Estela Bee Dagum, Statistics Canada Catalogue No. 12-564-E, February 1980. The X-11 procedure was originally developed at the Bureau of the Census and had been used by the BLS to seasonally adjust labor force series since 1973. Tests have shown that use of the X-11 ARIMA procedure,

which essentially place more emphasis on recent data, provides better seasonal adjustments than does the X-11 method alone.

The second change is that seasonal factors are now being calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, the BLS will calculate and publish (in *Employment and Earnings*) a new set of seasonal factors for use in the second half, based on the experience through June. Revisions of historical data for the most recent 5 years will continue to be made once a year, at the beginning of each calendar year. However, as a result of the revisions to the estimates for 1970-81 based on 1980 census population counts, revisions to seasonally adjusted series in early 1982 were carried back to 1970.

All civilian labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment, and unemployment—data for four sex-age groups (males and females under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. In order to provide seasonally adjusted total employment and civilian labor force estimates, the appropriate series are aggregated. The official unemployment rate for all civilian workers is derived by dividing the estimate for total unemployment (the sum of 4 seasonally adjusted sex-age components) by the civilian labor force (the sum of 12 seasonally adjusted sex-age components).

Revised seasonally adjusted data for selected labor force series based on the experience through December 1981, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1982, and a description of the current seasonal adjustment methodology are published in the February 1982 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the 1970-81 revision period for a broader range of labor force series also appear in the February 1982 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.

Beginning in July 1980, the BLS also uses the X-11 ARIMA methodology in seasonally adjusting the establishment data, which previously had been computed using the *BLS Seasonal Factor Method*. All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. Seasonal adjustment factors used in calculating the current estimates are based on data through March of 1981. The ARIMA model options for projecting the data series for 1 year ahead have been used in seasonally adjusting the establishment series, introduced with June 1981 data.

Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted average weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or non-supervisory workers, seasonally adjusted, and dividing by the 1977 base. For total private, total goods-producing, total private service-producing, trade manufacturing, and durable and nondurable goods

industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1977 base.

Seasonally adjusted data are not published for a number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. Beginning with data for July 1981, these failed or unsatisfactory seasonally adjusted series are used in the aggregation to broader level seasonally adjusted series. In prior months, the unadjusted series were used in the aggregation process.

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

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

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