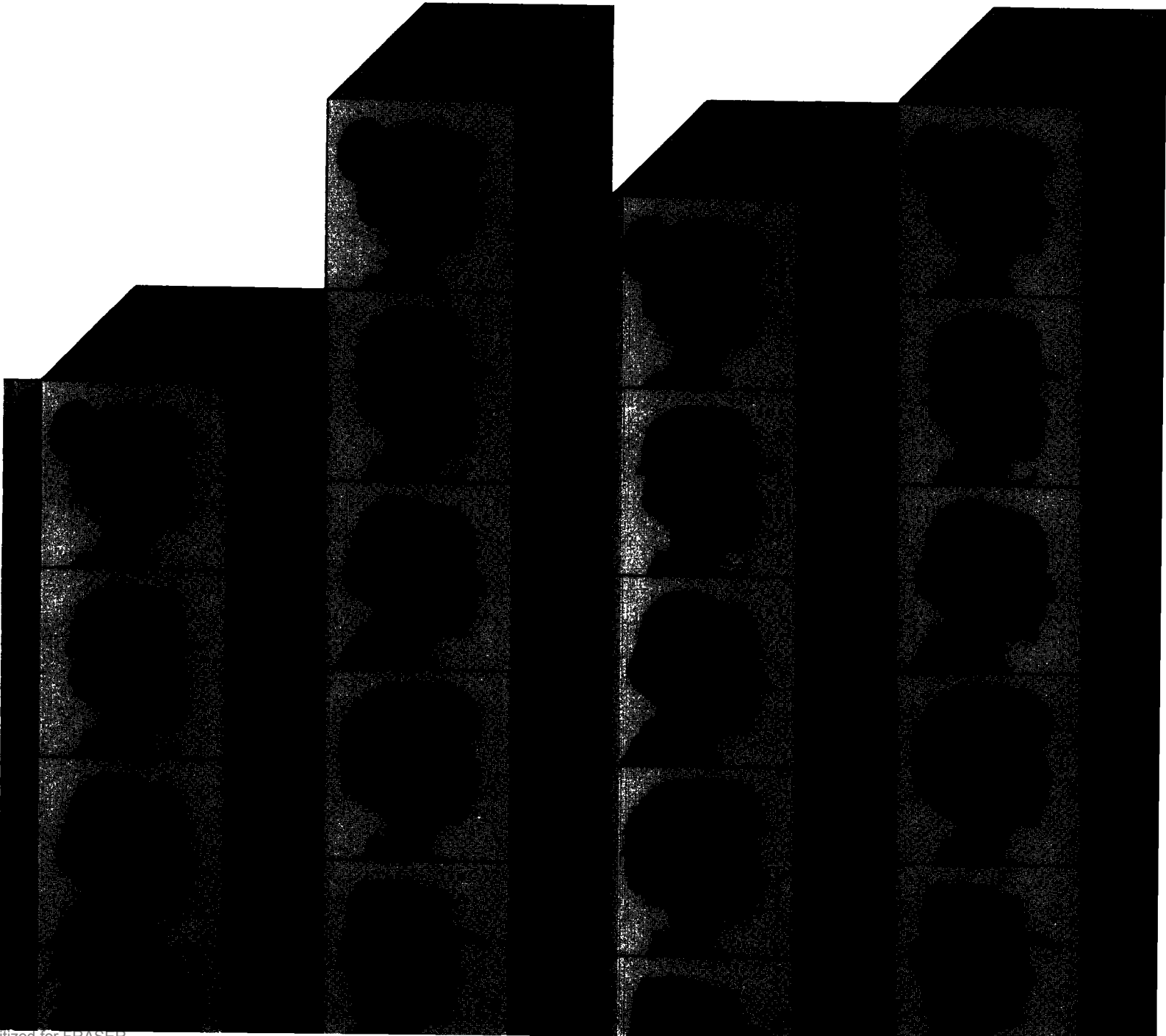


EMPLOYMENT AND EARNINGS

July 1983

U.S. Department of Labor  
Bureau of Labor Statistics





**U.S. DEPARTMENT OF LABOR**  
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**BUREAU OF LABOR STATISTICS**  
Janet L. Norwood, Commissioner

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## Calendar of Features

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

### Household data

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

### Establishment data

National annual averages:	
Industry divisions (preliminary)	Jan.
Industry detail (final)	Mar.
Women employees detail (final)	Mar.
National data revised to reflect new benchmarks and new seasonal factors	June <sup>1</sup>
Revised historical national data	Supplement <sup>2</sup>
State and area annual averages	May
Area definitions	May

### State and area unemployment data

Annual averages	May
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<sup>1</sup> Issue varies. Latest revised data introduced June 1983.

<sup>2</sup> Month of publication varies. The latest supplement was published in July 1983.

# Employment and Earnings

Vol. 30 No. 7 July 1983

Editors: Gloria Peterson Green, Rosalie K. Epstein

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# Employment and Unemployment Developments, June 1983

Employment rose sharply in June and the unemployment rate continued to edge down. The overall unemployment rate, which includes the resident Armed Forces in the labor force base, was 9.8 percent, and the rate for civilian workers was 10.0 percent. Each of these measures has declined steadily from last December's recession highs of 10.7 and 10.8 percent, respectively.

Total employment—as measured by the monthly survey of households—rose markedly to 102.5 million in June after showing modest growth since the beginning of the year. The number of employees on nonagricultural payrolls—as measured by the monthly survey of establishments—also increased markedly over the month, by nearly 350,000. Job gains were widespread in both the goods- and service-producing industries.

## Unemployment

The number of unemployed persons, 11.1 million, was little changed in June after adjustment for the summer entrance of school-age youth into the labor market and other seasonal movements. A decline in the number of workers who had lost their job was partially countered by an increase in the number of new entrants to the labor force. Despite the lack of movement in total unemployment in June, the jobless level has declined by 890,000 since its December 1982 peak. The civilian unemployment rate continued to edge down and has declined 0.8 percentage point over the past half year. (See tables A-32 and A-40.)

Among the major labor force groups, there was a substantial over-the-month decline in the jobless rate for adult men; their rate dropped 0.6 percentage point to 9.0 percent, its lowest level since August 1982. Jobless rates for adult women (8.6 percent) and teenagers (23.6 percent) were little changed over the month. The unemployment rate for white workers continued to decline, while the rate for blacks was unchanged at 20.6 percent and has shown no improvement in the first half of the year. The rate for black teenagers remained at about 50 percent. (See tables A-32 and A-33.)

Jobless rates declined over the month for workers in mining, construction, and durable goods manufacturing, industries in which adult men comprise the bulk of the work force. Unemployment also declined among full-time workers but rose among part-time workers.

There was little movement in most of the other major labor force categories. (See table A-38.)

The average (mean) duration of unemployment continued to rise in June, reaching 22.0 weeks. The number of persons jobless for 27 weeks or more increased by 165,000 to nearly 3 million and comprised 26 percent of the jobless total. (See table A-39.)

In addition to the downtrend in unemployment, there has also been a continued reduction in the number of persons working part time on nonfarm jobs because of reduced hours or the unavailability of full-time jobs. The number of these persons working "part time for economic reasons," at 5.7 million in June, was down 200,000 from May and 700,000 from last December. (See table A-34.)

## Civilian labor force and employment

The civilian labor force typically swells in June, as large numbers of youth enter the labor force and either find jobs or continue to search for work. This June, the labor force increased by 3.1 million, substantially more than expected, based on patterns which have occurred in recent years and larger than any previous May-June change. After adjustment for the expected seasonal movement, the labor force was up by 1.2 million. Some of the increase may well have resulted from an unusually late June survey week with a larger proportion of the summertime labor force expansion showing up in the June data. The labor force was up by 1.8 million from a year earlier. (See table A-32.)

Civilian employment also increased by 1.2 million in June, seasonally adjusted, to 100.8 million. Adult men accounted for half of this increase, and adult women and teenagers shared equally in the balance.

## Discouraged workers

At 1.7 million, the number of discouraged workers—persons who report that they want to work but are not looking for jobs because they believe they cannot find any—was about unchanged from the first to the second quarter of 1983 but down 140,000 from the fourth-quarter 1982 high. Nearly all of this decline occurred among blacks. About 3 out of 4 discouraged workers reported job-market factors as their reasons for not looking for jobs in the second quarter. (See table A-52.)

### **Industry payroll employment**

Nonagricultural payroll employment increased by 345,000 in June to 89.8 million, seasonally adjusted. This marked the third straight month of sharp employment gains, which together added nearly a million jobs to the Nation's payrolls. The goods-producing industries that had been hard hit by job losses last year accounted for nearly half of these job gains. (See table B-4.)

Construction employment rose by 85,000 in June, following an increase of similar magnitude in May and reflecting across-the-board advances in residential and commercial construction. Manufacturing job increases totaled 75,000, with the largest gains in those durables industries associated with construction, including lumber and wood products, furniture, and stone, clay, and glass products. Employment increases in non-durable goods were led by textile mill products.

Services industry employment continued its recent strong growth with an increase of 145,000 in June, and jobs in retail trade also rose sharply (95,000). Employment in State and local government declined by 95,000, entirely in education. These movements may have been affected by the later-than-usual reference week.

### **Hours of work**

The average workweek of production or nonsupervisory workers on private nonfarm payrolls was unchanged in June at 35.1 hours, seasonally adjusted. The manufacturing workweek and factory overtime both rose two-tenths of an hour, returning to the April levels

of 40.1 and 2.9 hours, respectively. (See table C-6.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls—a comprehensive measure which reflects changes in employment as well as the workweek—rose by 0.7 percent in June to 105.7 (1977=100). The manufacturing index was up 1.0 percent over the month and 6.7 percent from last December's low. (See table C-7.)

### **Hourly and weekly earnings**

Average hourly earnings increased by 0.3 percent in June, seasonally adjusted, while weekly earnings rose by 0.2 percent. Before adjustment for seasonality, average hourly earnings, at \$7.97, were unchanged over the month but up 33 cents over the year. Average weekly earnings increased \$2.39 in June and \$13.94 from June 1982. (See tables C-1 and C-8.)

### **The Hourly Earnings Index**

The Hourly Earnings Index (HEI) was 154.8 (1977=100) in June, seasonally adjusted, 0.1 percent higher than in May. For the 12 months ended in June, the increase (before seasonal adjustment) was 4.6 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 1.4 percent during the 12-month period ended in May. (See table C-8.)



# New Seasonal Adjustment Factors for Household Data Series

\*Robert J. McIntire

Since 1980, the Bureau of Labor Statistics has extrapolated and published the seasonal adjustment factors for the major labor force series on a semiannual rather than annual basis. Research had indicated that current seasonal adjustment would be improved during the last 6 months of each year if the 6-month basis were used in place of the previous 12-month basis. Table 1 presents the factors which will be used to seasonally adjust the 12 major labor force components for the last 6 months of 1983. The factors which were used for these components during the first 6 months of 1983 were published in the January 1983 issue of *Employment and Earnings*. The 12 seasonally adjusted series which result from the application of these factors are used in the computation of the seasonally adjusted figures for the national unemployment level and for the overall and civilian employment and labor force levels and unemployment rates. The overall measures include the resident Armed Forces in the employed segment of the labor force, but seasonal factors are not calculated for the resident Armed Forces data since they are considered to have no seasonal component.

The new seasonal factors have been extrapolated using the X-11 ARIMA program with data through June 1983 for each series. The ARIMA models used were the same as those used at the beginning of the year for the extrapolation of the factors for January through June; they were identified in the January issue of this publication. The historical seasonally adjusted data, including the first 6 months of 1983, will not be revised until the beginning of 1984. More detailed information on the adjustment method, the procedures for aggregation, and the revision of historical data is included in the February 1982 issue in the article entitled "Revision of Seasonally Adjusted Labor Force Series."

\*Robert J. McIntire is an economist and Chief of the Data Services Group in the Division of Data Development and Users' Services, Bureau of Labor Statistics.

Data for any of the several hundred seasonally adjusted labor force series and the July-December 1983 factors for any of the other independently adjusted series (there are about 190 in addition to the 12 major components) may be obtained from BLS upon request. Requests for data or inquiries concerning seasonal adjustment methodology or the availability of machine-readable files of labor force data should be addressed to the Division of Data Development and Users' Services, Bureau of Labor Statistics, Washington, D.C. 20212.

**Table 1. Current seasonal adjustment factors for the 12 major labor force components, July-December 1983**

Procedure and series	July	Aug.	Sept.	Oct.	Nov.	Dec.
Multiplicative Adjustment (Divide factor into original value)						
Agricultural employment:						
Men, 20 years and over . . . . .	1.078	1.080	1.064	1.063	1.010	0.934
Women, 20 years and over . . . . .	1.248	1.160	1.120	1.093	.927	.832
Men, 16 to 19 years . . . . .	1.627	1.521	1.093	1.009	.789	.660
Women, 16 to 19 years . . . . .	1.834	1.687	1.093	1.007	.844	.636
Nonagricultural employment:						
Men, 20 years and over . . . . .	1.011	1.012	1.007	1.006	1.002	.998
Women, 20 years and over . . . . .	.981	.984	1.004	1.011	1.014	1.010
Unemployment:						
Men, 20 years and over . . . . .	.945	.921	.880	.899	.949	1.024
Women, 20 years and over . . . . .	1.024	1.036	1.029	1.021	1.003	.961
Additive Adjustment (Subtract factor from original value)						
Nonagricultural employment:						
Men, 16 to 19 years . . . . .	895	641	-206	-136	-194	-192
Women, 16 to 19 years . . . . .	699	501	-149	-99	-61	0
Unemployment:						
Men, 16 to 19 years . . . . .	145	-45	-94	-83	15	-4
Women, 16 to 19 years . . . . .	174	36	15	-4	-25	-126

**HOUSEHOLD DATA  
HISTORICAL**

**A-1. Employment status of the noninstitutional population 16 years and over, 1950 to date**

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
<b>Annual averages</b>												
1950 .....	106,164	63,377	59.7	60,087	1,169	58,918	7,160	51,758	3,288	5.2	42,787	
1951 .....	106,764	64,180	60.1	82,104	2,143	59,961	8,726	53,235	2,055	3.2	42,604	
1952 .....	107,617	64,524	60.0	62,636	2,386	60,250	6,500	53,749	1,883	2.9	43,093	
1953 <sup>1</sup> .....	109,287	65,246	59.7	63,410	2,231	61,179	6,260	54,919	1,834	2.8	44,041	
1954 .....	110,463	85,785	59.8	62,251	2,142	60,109	6,205	53,904	3,532	5.4	44,678	
1955 .....	111,747	67,087	60.0	64,234	2,064	62,170	6,450	55,722	2,852	4.3	44,660	
1956 .....	112,919	68,517	60.7	65,764	1,965	63,799	8,283	57,514	2,750	4.0	44,402	
1957 .....	114,213	68,877	60.3	68,019	1,948	64,071	5,947	58,123	2,859	4.2	45,336	
1958 .....	115,574	89,486	60.1	64,883	1,847	63,036	5,586	57,450	4,602	6.6	46,088	
1959 .....	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960	
1960 <sup>1</sup> .....	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617	
1961 .....	120,671	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,312	
1962 <sup>1</sup> .....	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539	
1963 .....	124,422	73,839	59.3	69,768	2,006	67,762	4,687	63,076	4,070	5.5	50,583	
1964 .....	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,786	5.0	51,394	
1965 .....	128,459	76,401	59.5	73,034	1,946	71,088	4,361	66,726	3,386	4.4	52,058	
1966 .....	130,180	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288	
1967 .....	132,092	79,585	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527	
1968 .....	134,281	80,990	60.3	78,173	2,253	75,920	3,817	72,103	2,817	3.5	53,291	
1969 .....	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,298	2,832	3.4	53,602	
1970 .....	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315	
1971 .....	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834	
1972 <sup>1</sup> .....	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 <sup>1</sup> .....	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667	
1974 .....	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171	
1975 .....	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,436	7,929	8.3	59,377	
1976 .....	157,818	97,826	62.0	90,420	1,668	86,752	3,331	85,421	7,406	7.6	59,991	
1977 .....	160,689	100,665	62.8	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025	
1978 <sup>1</sup> .....	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659	
1979 .....	166,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900	
1980 .....	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,936	7,637	7.0	60,806	
1981 .....	171,775	110,315	64.2	102,042	1,645	100,397	3,366	97,030	8,273	7.5	61,460	
1982 .....	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
<b>1982:</b>												
June .....	173,854	111,811	64.3	101,345	1,664	99,681	3,371	96,310	10,466	9.4	62,043	
July .....	174,038	112,090	64.4	101,262	1,674	99,588	3,445	96,143	10,828	9.7	61,948	
August .....	174,200	112,303	64.5	101,372	1,689	99,683	3,429	96,254	10,931	9.7	61,897	
September .....	174,360	112,528	64.5	101,213	1,670	99,543	3,363	96,180	11,315	10.1	61,832	
October .....	174,549	112,420	64.4	100,844	1,668	99,176	3,413	95,763	11,576	10.3	62,129	
November .....	174,718	112,702	64.5	100,796	1,660	99,136	3,466	95,670	11,906	10.8	62,016	
December .....	174,864	112,794	64.5	100,756	1,665	99,093	3,411	95,682	12,036	10.7	62,070	
<b>1983:</b>												
January .....	175,021	112,215	64.1	100,770	1,667	99,103	3,412	95,691	11,446	10.2	62,806	
February .....	175,169	112,217	64.1	100,727	1,664	99,063	3,393	95,670	11,490	10.2	62,952	
March .....	175,320	112,148	64.0	100,767	1,664	99,103	3,375	95,729	11,361	10.1	63,172	
April .....	175,465	112,457	64.1	101,129	1,671	99,458	3,371	96,088	11,328	10.1	63,008	
May .....	175,622	112,418	64.0	101,226	1,669	99,557	3,367	96,190	11,192	10.0	63,204	
June .....	175,793	113,600	64.6	102,454	1,668	100,786	3,522	97,264	11,146	9.8	62,193	

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

<sup>2</sup> The population and Armed Forces figures are not adjusted for seasonal variation.

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

(Numbers in thousands)

Sex, year, and month	Noninstitutional population	Labor force									Not in labor force
		Number	Percent of population	Employed					Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force	
						Total	Agriculture	Nonagricultural industries			
<b>Annual averages</b>											
<b>MEN</b>											
1972 <sup>1</sup> .....	89,607	55,327	79.5	52,668	1,772	50,896	2,849	48,047	2,659	4.8	14,280
1973 <sup>1</sup> .....	71,017	56,349	79.3	54,074	1,725	52,349	2,847	49,502	2,275	4.0	14,867
1974 .....	72,486	57,397	79.2	54,662	1,658	53,024	2,919	50,105	2,714	4.7	15,069
1975 .....	73,891	57,899	78.4	53,457	1,600	51,857	2,824	49,032	4,442	7.7	15,993
1976 .....	75,341	58,756	78.0	54,720	1,582	53,138	2,744	50,394	4,036	6.9	16,585
1977 .....	76,758	59,959	78.1	56,291	1,563	54,728	2,871	52,057	3,667	6.1	18,797
1978 <sup>1</sup> .....	81,107	61,151	78.3	58,010	1,531	56,479	2,718	53,761	3,142	5.1	18,956
1979 .....	79,509	62,215	78.2	59,098	1,489	57,607	2,888	54,921	3,120	5.0	17,283
1980 .....	60,877	62,932	77.8	58,665	1,479	57,186	2,709	54,477	4,267	6.8	17,945
1981 .....	62,023	63,486	77.4	58,908	1,512	57,397	2,700	54,697	4,577	7.2	18,537
1982 .....	83,052	63,979	77.0	57,800	1,529	56,271	2,738	53,534	8,179	9.7	18,073
<b>Monthly data, seasonally adjusted<sup>2</sup></b>											
<b>1982:</b>											
June .....	83,006	83,851	78.9	57,775	1,528	56,249	2,729	53,520	8,078	9.5	19,155
July .....	83,097	83,898	78.9	57,664	1,537	56,127	2,781	53,346	6,234	9.8	19,199
August .....	83,173	84,055	77.0	57,710	1,551	56,159	2,771	53,368	8,345	9.9	19,118
September .....	83,231	84,301	77.3	57,598	1,526	56,072	2,707	53,365	6,703	10.4	18,930
October .....	83,323	84,300	77.2	57,458	1,524	55,932	2,764	53,168	6,844	10.6	19,023
November .....	83,402	84,414	77.2	57,408	1,516	55,892	2,793	53,099	7,006	10.9	18,988
December .....	83,581	84,364	77.0	57,338	1,529	55,809	2,710	53,099	7,046	10.9	18,197
<b>1983:</b>											
January .....	83,652	83,918	78.4	57,283	1,531	55,752	2,728	53,024	8,633	10.4	19,736
February .....	83,720	83,996	78.4	57,234	1,528	55,706	2,852	53,054	6,782	10.6	19,724
March .....	83,789	83,957	78.3	57,300	1,528	55,772	2,871	53,101	8,657	10.4	19,832
April .....	83,856	84,207	78.6	57,478	1,530	55,946	2,883	53,263	6,731	10.5	19,649
May .....	83,931	84,278	78.6	57,658	1,528	58,128	2,718	53,411	6,620	10.3	19,655
June .....	84,014	84,818	77.1	58,464	1,525	56,939	2,824	54,115	8,351	9.8	19,198
<b>Annual averages</b>											
<b>WOMEN</b>											
1972 <sup>1</sup> .....	76,331	33,520	43.9	31,298	41	31,257	835	30,622	2,222	6.6	42,811
1973 <sup>1</sup> .....	77,853	34,853	44.8	32,764	49	32,715	822	32,093	2,069	8.0	43,000
1974 .....	78,375	36,274	45.7	33,832	83	33,769	596	33,173	2,441	8.7	43,101
1975 .....	60,838	37,553	48.4	34,067	78	33,989	584	33,404	3,486	9.3	43,366
1976 .....	62,478	39,069	47.4	35,701	66	35,615	588	35,027	3,369	8.8	43,406
1977 .....	63,932	40,705	48.5	37,381	92	37,289	612	36,677	3,324	8.2	43,227
1978 <sup>1</sup> .....	85,434	42,731	50.0	39,869	100	39,569	669	38,900	3,061	7.2	42,703
1979 .....	86,951	44,343	51.0	41,325	108	41,217	661	40,556	3,018	6.8	42,606
1980 .....	66,472	45,611	51.8	42,241	124	42,117	856	41,481	3,370	7.4	42,661
1981 .....	89,751	46,829	52.2	43,133	133	43,000	687	42,333	3,898	7.9	42,922
1982 .....	90,687	47,664	52.7	43,965	139	43,256	665	42,591	4,499	9.4	42,983
<b>Monthly data, seasonally adjusted<sup>2</sup></b>											
<b>1982:</b>											
June .....	90,848	47,960	52.8	43,570	138	43,432	642	42,790	4,390	9.2	42,889
July .....	90,941	48,192	53.0	43,598	137	43,481	664	42,797	4,594	9.5	42,749
August .....	91,027	48,248	53.0	43,662	138	43,524	858	42,666	4,586	9.5	42,779
September .....	91,129	48,227	52.9	43,615	144	43,471	858	42,615	4,812	9.8	42,902
October .....	91,226	48,120	52.7	43,366	144	43,244	849	42,595	4,732	9.8	43,106
November .....	91,316	48,288	52.9	43,388	144	43,244	673	42,571	4,900	10.1	43,028
December .....	91,283	48,410	53.0	43,420	138	43,284	701	42,583	4,990	10.3	42,873
<b>1983:</b>											
January .....	91,369	48,299	52.9	43,466	136	43,350	664	42,666	4,813	10.0	43,070
February .....	91,449	48,220	52.7	43,493	138	43,357	740	42,617	4,727	9.8	43,229
March .....	91,532	48,191	52.6	43,487	138	43,331	704	42,627	4,724	9.8	43,341
April .....	91,609	48,251	52.7	43,853	141	43,512	688	42,824	4,597	9.5	43,358
May .....	91,691	48,142	52.5	43,569	141	43,428	649	42,779	4,572	9.5	43,549
June .....	91,779	48,784	53.2	43,980	143	43,847	698	43,149	4,795	9.8	42,995

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

<sup>2</sup> The population and Armed Forces figures are not adjusted for seasonal variation.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	June 1983										
	Civilian noninstitutional population	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</b>											
16 years and over .....	174,125	113,383	65.1	101,813	11,570	10.2	60,742	32,684	3,660	2,515	21,884
16 to 19 years .....	15,303	9,667	64.5	7,341	2,527	25.6	5,436	702	2,094	33	2,607
16 to 17 years .....	7,384	3,665	52.6	2,736	1,148	29.6	3,499	260	1,438	10	1,792
18 to 19 years .....	7,919	5,983	75.5	4,604	1,376	23.0	1,937	442	657	23	815
20 to 24 years .....	20,812	16,679	60.1	14,200	2,476	14.9	4,133	2,122	877	58	1,076
25 to 54 years .....	90,149	71,919	79.8	68,140	5,780	8.0	18,229	13,798	651	799	2,984
25 to 34 years .....	39,112	31,716	61.1	28,597	3,121	9.8	7,394	5,664	443	205	1,082
25 to 29 years .....	20,493	16,625	61.1	14,845	1,780	10.7	3,868	2,645	322	105	595
30 to 34 years .....	18,619	15,092	61.1	13,751	1,341	8.9	3,526	2,819	121	99	487
35 to 44 years .....	28,879	23,378	61.0	21,723	1,656	7.1	5,500	4,278	167	210	846
35 to 39 years .....	15,928	12,851	60.7	11,679	971	7.6	3,077	2,423	100	95	447
40 to 44 years .....	12,951	10,527	61.3	9,843	684	6.5	2,424	1,841	87	116	400
45 to 54 years .....	22,159	18,823	75.9	15,820	1,003	6.0	5,338	3,858	41	383	1,054
45 to 49 years .....	11,074	8,743	79.0	8,239	504	5.8	2,332	1,753	24	148	407
50 to 54 years .....	11,085	8,081	72.9	7,582	500	8.2	3,004	2,105	15	235	648
55 to 64 years .....	22,006	11,841	54.3	11,266	675	5.7	10,065	5,705	27	673	3,681
55 to 59 years .....	11,366	7,239	63.6	6,820	419	5.8	4,148	2,666	12	313	1,157
60 to 64 years .....	10,620	4,703	44.3	4,447	258	5.4	5,916	3,039	15	360	2,503
65 years and over .....	25,654	2,976	11.5	2,866	110	3.7	22,878	10,357	10	953	11,557
65 to 69 years .....	8,873	1,691	19.1	1,612	80	4.7	7,182	3,306	5	234	3,637
70 years and over .....	16,981	1,285	7.6	1,254	31	2.4	15,697	7,051	6	719	7,920
<b>Men</b>											
16 years and over .....	82,489	84,553	76.3	58,056	6,498	10.1	17,936	368	1,779	1,502	14,287
16 to 19 years .....	7,675	5,267	68.9	3,977	1,310	24.8	2,388	12	1,029	16	1,330
16 to 17 years .....	3,750	2,110	58.3	1,526	584	27.7	1,641	9	704	6	921
18 to 19 years .....	3,924	3,177	61.0	2,451	726	22.9	747	3	325	10	409
20 to 24 years .....	10,146	9,099	89.7	7,696	1,403	15.4	1,047	28	434	28	558
25 to 54 years .....	43,850	41,223	94.0	37,912	3,311	8.0	2,627	94	303	579	1,652
25 to 34 years .....	19,124	18,111	94.7	16,280	1,831	10.1	1,013	36	231	142	604
25 to 29 years .....	10,034	9,423	93.9	8,351	1,072	11.4	611	26	175	64	346
30 to 34 years .....	9,091	8,688	95.8	7,929	759	6.7	402	10	58	78	258
35 to 44 years .....	14,041	13,376	95.3	12,448	928	8.9	664	34	57	161	412
35 to 39 years .....	7,747	7,394	95.4	6,835	559	7.6	353	22	33	70	226
40 to 44 years .....	6,294	5,982	95.0	5,613	369	6.2	312	12	24	91	185
45 to 54 years .....	10,685	9,735	91.1	9,184	552	5.7	950	24	16	276	635
45 to 49 years .....	5,364	5,015	93.5	4,747	268	5.3	350	6	12	109	221
50 to 54 years .....	5,321	4,721	88.7	4,437	284	6.0	600	16	3	166	414
55 to 64 years .....	10,282	7,126	69.4	6,721	405	5.7	3,136	65	10	462	2,599
55 to 59 years .....	5,359	4,343	81.0	4,099	244	5.6	1,017	20	6	215	774
60 to 64 years .....	4,903	2,783	56.8	2,622	161	5.8	2,120	45	2	248	1,825
65 years and over .....	10,556	1,819	17.2	1,749	70	3.8	6,737	171	3	418	8,147
65 to 69 years .....	3,952	1,008	25.5	955	51	5.1	2,948	46	2	130	2,768
70 years and over .....	6,605	813	12.3	794	19	2.3	5,792	125	1	268	5,379
<b>Women</b>											
16 years and over .....	91,836	48,830	53.3	43,757	5,072	10.4	42,807	32,316	1,880	1,014	7,597
16 to 19 years .....	7,629	4,561	60.0	3,363	1,217	26.6	3,048	689	1,065	17	1,276
16 to 17 years .....	3,834	1,775	48.9	1,210	565	31.6	1,859	251	734	3	871
18 to 19 years .....	3,995	2,805	70.2	2,153	652	23.3	1,189	439	331	14	406
20 to 24 years .....	10,666	7,580	71.1	6,504	1,075	14.2	3,066	2,096	443	29	517
25 to 54 years .....	48,299	30,697	68.3	28,226	2,489	8.0	15,802	13,704	348	220	1,332
25 to 34 years .....	19,987	13,607	66.1	12,317	1,290	9.5	6,381	5,828	212	82	478
25 to 29 years .....	10,459	7,202	68.9	6,494	708	9.6	3,257	2,819	147	41	249
30 to 34 years .....	9,526	6,404	67.2	5,822	582	9.1	3,124	2,809	85	21	229
35 to 44 years .....	14,638	10,002	67.4	9,275	727	7.3	4,836	4,242	111	49	434
35 to 39 years .....	6,181	5,457	66.7	5,044	412	7.6	2,724	2,413	67	25	219
40 to 44 years .....	6,657	4,545	66.3	4,230	315	6.9	2,112	1,829	43	25	215
45 to 54 years .....	11,474	7,068	61.8	6,637	451	8.4	4,386	3,834	25	108	419
45 to 49 years .....	5,710	3,728	65.3	3,492	236	8.3	1,982	1,745	12	39	186
50 to 54 years .....	5,784	3,360	56.3	3,145	216	8.4	2,404	2,089	12	69	234
55 to 64 years .....	11,744	4,616	41.0	4,545	270	5.6	6,929	5,640	17	211	1,081
55 to 59 years .....	6,027	2,898	48.0	2,721	175	6.0	3,131	2,648	4	96	363
60 to 64 years .....	5,717	1,920	33.8	1,825	95	5.0	3,798	2,994	13	113	676
65 years and over .....	15,298	1,157	7.8	1,116	40	3.5	14,141	10,186	7	537	3,410
65 to 69 years .....	4,821	885	13.9	857	29	4.2	4,236	3,260	3	104	669
70 years and over .....	10,376	472	4.5	460	12	2.5	9,805	6,926	5	433	2,541

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	June 1983										
	Civilian noninstitutional population	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>WHITE</b>											
16 years and over .....	150,810	98,488	65.3	89,890	8,598	8.7	52,322	28,873	2,621	2,027	18,801
16 to 19 years .....	12,640	8,545	87.6	6,720	1,825	21.4	4,095	556	1,496	25	2,018
16 to 17 years .....	6,090	3,423	56.2	2,540	682	25.8	2,667	206	1,049	7	1,406
18 to 19 years .....	6,550	5,122	78.2	4,180	942	18.4	1,428	351	447	18	612
20 to 24 years .....	17,531	14,352	81.9	12,576	1,777	12.4	3,178	1,895	612	48	823
25 to 54 years .....	77,651	62,207	80.1	57,857	4,351	7.0	15,443	12,031	483	837	2,293
25 to 34 years .....	33,344	27,181	81.5	24,910	2,271	8.4	6,163	4,881	321	163	797
25 to 29 years .....	17,443	14,286	81.9	12,979	1,307	9.1	3,156	2,428	238	78	412
30 to 34 years .....	15,902	12,895	81.1	11,931	964	7.5	3,007	2,453	85	85	385
35 to 44 years .....	24,980	20,283	81.2	18,984	1,289	6.4	4,697	3,747	133	166	652
35 to 39 years .....	13,768	11,153	81.0	10,404	749	9.3	2,615	2,143	75	70	344
40 to 44 years .....	11,212	9,130	81.4	8,590	540	5.9	2,081	1,637	58	96	308
45 to 54 years .....	19,327	14,743	76.3	13,952	791	5.4	4,584	3,402	29	308	844
45 to 49 years .....	9,599	7,588	79.0	7,200	388	5.1	2,010	1,577	19	115	317
50 to 54 years .....	9,728	7,155	73.6	6,752	402	5.4	2,574	1,864	10	195	527
55 to 64 years .....	19,634	10,664	54.3	10,107	557	5.2	8,969	5,125	21	546	3,278
55 to 59 years .....	10,127	6,480	64.0	6,136	344	5.3	3,647	2,376	10	251	1,010
60 to 64 years .....	9,507	4,184	44.0	3,971	213	5.1	5,322	2,748	11	295	2,268
65 years and over .....	23,354	2,719	11.6	2,630	88	3.3	20,636	9,466	10	770	10,390
65 to 69 years .....	8,001	1,553	19.4	1,487	66	4.2	6,449	2,988	5	188	3,268
70 years and over .....	15,353	1,166	7.6	1,143	23	2.0	14,187	6,478	6	582	7,122
<b>Men</b>											
16 years and over .....	71,978	56,744	78.8	51,847	4,896	8.6	15,234	298	1,299	1,216	12,421
16 to 19 years .....	6,347	4,541	71.5	3,612	929	20.5	1,806	10	752	13	1,031
16 to 17 years .....	3,107	1,856	59.7	1,410	446	24.0	1,251	7	512	4	728
18 to 19 years .....	3,240	2,685	82.9	2,202	483	18.0	555	3	241	9	302
20 to 24 years .....	8,829	7,855	91.0	6,810	1,045	13.3	773	17	312	24	420
25 to 54 years .....	38,255	36,228	94.7	33,695	2,534	7.0	2,027	76	222	468	1,263
25 to 34 years .....	16,544	15,791	95.4	14,433	1,358	8.6	754	30	169	113	441
25 to 29 years .....	8,667	8,227	94.9	7,424	803	9.8	440	21	131	46	242
30 to 34 years .....	7,878	7,564	98.0	7,009	555	7.3	314	9	39	67	199
35 to 44 years .....	12,310	11,813	96.0	11,081	732	6.2	496	28	43	126	299
35 to 39 years .....	6,803	6,545	96.2	6,113	432	6.6	258	19	23	52	165
40 to 44 years .....	5,507	5,266	95.7	4,968	300	5.7	238	9	21	75	134
45 to 54 years .....	9,401	8,624	91.7	8,181	443	5.1	777	17	10	227	523
45 to 49 years .....	4,682	4,400	94.0	4,191	209	4.8	281	7	10	86	180
50 to 54 years .....	4,720	4,224	89.5	3,990	234	5.5	496	11	142	142	343
55 to 64 years .....	9,211	6,436	69.9	6,097	339	5.3	2,775	50	10	381	2,334
55 to 59 years .....	4,809	3,937	81.9	3,735	201	5.1	873	14	8	181	670
60 to 64 years .....	4,402	2,499	56.8	2,361	138	5.5	1,903	35	3	200	1,664
65 years and over .....	9,536	1,683	17.6	1,633	50	2.9	7,853	146	3	331	7,374
65 to 69 years .....	3,579	939	26.2	901	38	4.0	2,641	38	2	101	2,500
70 years and over .....	5,956	744	12.5	732	12	1.6	5,212	108	1	230	4,874
<b>Women</b>											
16 years and over .....	78,832	41,744	53.0	38,042	3,702	8.9	37,087	28,575	1,322	811	6,380
16 to 19 years .....	8,293	4,004	63.6	3,108	896	22.4	2,289	547	743	12	987
16 to 17 years .....	2,983	1,567	52.5	1,130	437	27.9	1,418	199	537	2	678
18 to 19 years .....	3,310	2,437	73.8	1,978	459	18.8	873	348	206	9	309
20 to 24 years .....	8,902	6,497	73.0	5,765	732	11.3	2,405	1,678	300	24	403
25 to 54 years .....	39,396	25,979	65.9	24,162	1,817	7.0	13,416	11,955	261	171	1,030
25 to 34 years .....	16,799	11,391	67.8	10,477	913	8.0	5,409	4,852	152	50	355
25 to 29 years .....	8,776	6,059	69.0	5,555	504	8.3	2,718	2,407	107	32	170
30 to 34 years .....	8,024	5,331	66.4	4,922	409	7.7	2,693	2,444	46	18	186
35 to 44 years .....	12,671	8,470	66.8	7,913	557	6.6	4,201	3,719	89	40	353
35 to 39 years .....	8,965	4,608	66.2	4,291	317	8.9	2,357	2,108	52	18	179
40 to 44 years .....	5,705	3,862	67.7	3,622	240	6.2	1,843	1,611	37	21	174
45 to 54 years .....	9,926	8,119	81.6	5,771	348	5.7	3,807	3,385	19	81	322
45 to 49 years .....	4,917	3,188	64.8	3,009	179	5.8	1,729	1,554	9	29	137
50 to 54 years .....	5,008	2,931	58.5	2,762	168	5.7	2,078	1,831	10	53	184
55 to 64 years .....	10,423	4,228	40.6	4,010	218	5.2	6,184	5,075	11	165	944
55 to 59 years .....	5,318	2,543	47.8	2,400	143	5.6	2,775	2,382	2	71	340
60 to 64 years .....	5,105	1,685	33.0	1,610	75	4.5	3,420	2,713	9	94	604
65 years and over .....	13,819	1,036	7.5	997	39	3.7	12,783	9,320	7	440	3,016
65 to 69 years .....	4,422	614	13.9	586	28	4.6	3,808	2,950	3	87	768
70 years and over .....	9,397	422	4.5	411	11	2.5	8,975	6,370	5	352	2,248

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	June 1983										
	Civilian noninstitutional population	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>BLACK</b>											
16 years and over .....	18,911	11,988	63.4	9,389	2,599	21.7	6,923	3,088	784	443	2,626
16 to 19 years .....	2,230	1,090	48.9	478	812	58.2	1,140	127	493	8	512
16 to 17 years .....	1,094	377	34.5	153	224	58.3	717	48	329	3	336
18 to 19 years .....	1,136	713	62.8	325	389	54.5	423	79	163	5	176
20 to 24 years .....	2,736	1,948	71.2	1,327	621	31.9	788	375	180	9	223
25 to 54 years .....	9,851	7,884	78.0	8,439	1,244	16.2	2,186	1,352	87	142	585
25 to 34 years .....	4,600	3,659	79.6	2,913	748	20.4	940	593	65	38	248
25 to 29 years .....	2,467	1,907	77.3	1,487	419	22.0	581	327	47	26	182
30 to 34 years .....	2,133	1,753	82.2	1,426	327	18.7	380	268	18	11	64
35 to 44 years .....	2,992	2,379	79.5	2,069	310	13.0	613	405	17	36	155
35 to 39 years .....	1,837	1,291	70.3	1,100	193	14.9	344	232	12	20	81
40 to 44 years .....	1,355	1,086	80.1	969	117	10.8	269	173	5	15	75
45 to 54 years .....	2,259	1,648	72.9	1,458	188	11.4	613	354	5	70	184
45 to 49 years .....	1,166	910	78.0	810	99	10.9	258	147	3	29	78
50 to 54 years .....	1,093	738	67.3	647	89	12.1	357	207	2	40	107
55 to 64 years .....	1,964	1,080	54.0	957	103	9.7	904	473	4	116	311
55 to 59 years .....	1,045	637	60.9	572	65	10.2	408	229	-	56	123
60 to 64 years .....	919	423	46.1	365	38	9.0	496	243	4	60	188
65 years and over .....	2,131	206	9.7	188	18	8.9	1,926	761	-	168	995
65 to 69 years .....	732	105	14.3	92	13	12.4	627	264	-	39	322
70 years and over .....	1,400	101	7.2	95	6	5.9	1,299	497	-	129	673
<b>Men</b>											
16 years and over .....	6,443	6,208	73.5	4,829	1,379	22.2	2,234	62	335	252	1,586
16 to 19 years .....	1,091	594	54.4	271	324	54.5	497	2	226	3	266
16 to 17 years .....	544	203	37.4	67	116	57.3	341	2	161	2	175
18 to 19 years .....	547	391	71.5	184	207	53.0	158	-	84	1	91
20 to 24 years .....	1,256	1,060	83.7	738	312	29.7	205	9	72	3	121
25 to 54 years .....	4,394	3,906	88.9	3,234	969	17.2	489	16	37	96	336
25 to 34 years .....	2,064	1,657	80.0	1,447	411	22.1	207	7	33	24	142
25 to 29 years .....	1,109	967	87.1	729	238	24.6	143	5	26	17	95
30 to 34 years .....	955	891	93.3	718	173	18.4	84	2	7	6	47
35 to 44 years .....	1,330	1,199	90.2	1,032	167	13.9	131	6	2	29	95
35 to 39 years .....	729	654	89.8	545	110	16.8	74	4	2	16	53
40 to 44 years .....	801	544	68.0	487	57	10.5	57	2	-	12	42
45 to 54 years .....	1,000	649	64.9	756	92	10.9	151	5	2	45	99
45 to 49 years .....	518	482	93.1	414	47	10.2	56	-	1	21	34
50 to 54 years .....	482	367	76.0	342	45	11.7	95	5	1	24	65
55 to 64 years .....	657	559	85.3	502	57	10.2	297	10	-	73	215
55 to 59 years .....	455	338	74.2	301	37	10.6	117	3	-	31	84
60 to 64 years .....	401	221	55.2	201	20	9.2	160	7	-	42	130
65 years and over .....	845	99	11.7	62	17	16.6	747	23	-	75	648
65 to 69 years .....	307	44	14.4	32	12	( <sup>1</sup> )	263	6	-	24	232
70 years and over .....	539	55	10.2	50	5	( <sup>1</sup> )	484	17	-	51	416
<b>Women</b>											
16 years and over .....	10,469	5,780	55.2	4,560	1,220	21.1	4,889	3,026	430	191	1,042
16 to 19 years .....	1,139	496	43.5	207	269	58.2	643	125	267	5	246
16 to 17 years .....	550	174	31.8	87	107	61.7	376	46	168	1	181
18 to 19 years .....	589	322	54.7	141	182	58.3	267	79	99	4	85
20 to 24 years .....	1,480	896	60.8	588	309	34.4	583	366	106	6	102
25 to 54 years .....	5,457	3,778	69.2	3,205	575	15.2	1,677	1,334	50	44	249
25 to 34 years .....	2,536	1,802	71.1	1,487	335	18.6	734	586	32	12	104
25 to 29 years .....	1,358	940	69.2	758	161	16.3	418	322	21	9	67
30 to 34 years .....	1,178	862	73.2	706	154	17.9	316	264	11	3	37
35 to 44 years .....	1,662	1,180	71.0	1,037	143	12.1	482	399	15	7	60
35 to 39 years .....	908	637	70.2	555	83	13.0	270	228	10	4	28
40 to 44 years .....	754	542	71.9	482	60	11.1	212	171	5	3	33
45 to 54 years .....	1,259	797	63.3	701	96	12.0	462	349	3	25	85
45 to 49 years .....	648	448	69.1	396	52	11.8	200	147	2	6	42
50 to 54 years .....	611	349	57.1	305	44	12.6	262	202	1	16	42
55 to 64 years .....	1,107	501	45.2	454	46	9.2	607	463	4	43	96
55 to 59 years .....	589	299	50.7	270	28	9.5	291	227	-	25	39
60 to 64 years .....	518	202	39.0	164	18	8.8	316	236	4	18	58
65 years and over .....	1,286	107	8.3	105	2	1.7	1,179	738	-	93	347
65 to 69 years .....	425	61	14.4	60	1	( <sup>1</sup> )	384	258	-	15	90
70 years and over .....	881	46	5.4	45	1	( <sup>1</sup> )	815	480	-	76	257

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-4. Employment status of the black-and-other civilian noninstitutional population by age and sex**

(Numbers in thousands)

Age and sex	June 1963								Not in labor force
	Civilian noninstitutional population	Civilian labor force							
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>TOTAL</b>									
16 years and over .....	23,316	14,895	63.9	11,923	265	11,658	2,972	20.0	8,420
16 to 19 years .....	2,664	1,323	49.7	620	32	589	702	53.1	1,341
18 to 17 years .....	1,284	482	35.7	198	18	178	266	57.6	832
18 to 19 years .....	1,369	860	62.8	424	14	410	436	50.7	509
20 to 24 years .....	3,281	2,326	70.9	1,825	39	1,586	702	30.2	955
25 to 54 years .....	12,499	9,712	77.7	8,284	114	8,169	1,430	14.7	2,787
25 to 34 years .....	5,768	4,537	78.7	3,687	40	3,647	850	18.7	1,231
25 to 29 years .....	3,050	2,339	76.7	1,868	20	1,846	473	20.2	711
30 to 34 years .....	2,717	1,195	44.0	1,820	19	1,802	377	31.5	520
35 to 44 years .....	3,898	3,095	79.4	2,729	39	2,690	368	11.8	803
35 to 39 years .....	2,160	1,898	78.8	1,475	18	1,459	223	13.1	461
40 to 44 years .....	1,739	1,397	60.3	1,254	22	1,231	144	10.3	342
45 to 54 years .....	2,832	2,080	73.4	1,868	36	1,832	212	10.2	752
45 to 49 years .....	1,476	1,154	78.2	1,039	20	1,019	115	10.0	322
50 to 54 years .....	1,357	827	60.3	828	15	813	97	10.5	430
55 to 64 years .....	2,373	1,277	53.8	1,160	50	1,110	117	9.2	1,096
55 to 59 years .....	1,259	759	60.3	684	25	659	75	9.9	500
60 to 64 years .....	1,114	518	46.5	476	25	451	43	8.2	595
65 years and over .....	2,500	257	10.3	235	31	204	22	8.5	2,243
65 to 69 years .....	871	138	15.8	125	12	112	13	9.4	733
70 years and over .....	1,629	119	7.3	110	19	92	18	15.1	1,510
<b>Men</b>									
16 years and over .....	10,511	7,810	74.3	6,208	221	5,988	1,602	20.5	2,701
16 to 19 years .....	1,328	746	56.2	365	25	340	381	51.0	582
18 to 17 years .....	643	254	39.4	116	11	104	138	54.4	369
18 to 19 years .....	684	492	71.9	249	13	236	243	49.3	192
20 to 24 years .....	1,517	1,244	82.0	886	33	852	358	28.8	273
25 to 54 years .....	5,595	4,994	89.3	4,217	98	4,119	778	15.8	600
25 to 34 years .....	2,580	2,320	89.9	1,847	35	1,813	473	20.4	259
25 to 29 years .....	1,367	1,196	87.5	927	17	910	269	22.5	171
30 to 34 years .....	1,213	1,124	92.7	920	17	903	204	18.1	89
35 to 44 years .....	1,731	1,583	91.4	1,367	38	1,331	198	12.5	168
35 to 39 years .....	944	849	90.0	722	14	708	127	15.0	94
40 to 44 years .....	787	714	90.7	645	21	624	89	9.6	73
45 to 54 years .....	1,284	1,111	86.5	1,003	27	975	108	9.8	173
45 to 49 years .....	683	614	90.0	558	16	540	56	9.5	89
50 to 54 years .....	601	497	82.8	446	11	435	50	10.1	104
55 to 64 years .....	1,051	690	65.6	624	39	585	65	9.5	381
55 to 59 years .....	550	406	73.8	364	19	345	42	10.4	144
60 to 64 years .....	501	264	52.7	281	20	240	23	8.1	217
65 years and over .....	1,021	136	13.3	116	25	91	20	14.9	685
65 to 69 years .....	372	67	18.1	54	10	43	13	( <sup>1</sup> )	305
70 years and over .....	649	69	10.6	62	15	47	7	( <sup>1</sup> )	580
<b>Women</b>									
16 years and over .....	12,805	7,086	55.3	5,715	45	5,670	1,370	19.3	5,719
16 to 19 years .....	1,336	577	43.2	255	7	248	322	55.7	759
18 to 17 years .....	651	209	32.0	80	7	74	126	61.5	443
18 to 19 years .....	685	368	53.8	175	-	175	193	52.5	318
20 to 24 years .....	1,764	1,083	61.4	739	5	734	344	31.7	682
25 to 54 years .....	6,904	4,716	68.3	4,067	16	4,050	652	13.6	2,187
25 to 34 years .....	3,168	2,218	69.5	1,839	5	1,834	377	17.0	972
25 to 29 years .....	1,683	1,143	67.9	939	3	936	204	17.8	540
30 to 34 years .....	1,504	1,073	71.3	900	2	898	173	16.1	431
35 to 44 years .....	2,168	1,532	70.7	1,362	3	1,359	170	11.1	635
35 to 39 years .....	1,216	849	69.8	753	2	751	96	11.3	387
40 to 44 years .....	952	683	71.8	609	1	607	75	10.9	269
45 to 54 years .....	1,548	969	62.6	865	8	857	104	10.7	579
45 to 49 years .....	793	540	68.1	483	4	479	57	10.5	253
50 to 54 years .....	756	430	56.8	382	4	378	47	11.0	326
55 to 64 years .....	1,322	587	44.4	535	11	524	52	8.9	735
55 to 59 years .....	708	353	49.7	320	7	314	32	9.2	356
60 to 64 years .....	613	235	38.3	215	4	211	20	8.4	378
65 years and over .....	1,479	121	8.2	119	6	113	2	1.4	1,356
65 to 69 years .....	499	71	14.2	71	2	69		( <sup>1</sup> )	428
70 years and over .....	980	50	5.1	48	4	45	1	( <sup>1</sup> )	930

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-5. Employment status of the civilian noninstitutional population by race, sex, and age**

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983
<b>TOTAL</b>								
Civilian noninstitutional population .....	172,190	174,125	73,585	74,814	82,811	84,008	15,794	15,303
Civilian labor force .....	111,569	113,383	58,394	59,267	43,404	44,249	9,770	9,867
Percent of population .....	64.8	65.1	79.4	79.2	52.4	52.7	61.9	64.5
Employed .....	100,683	101,813	53,489	54,078	39,839	40,394	7,355	7,341
Agriculture .....	3,816	3,977	2,574	2,683	706	763	536	530
Nonagricultural industries .....	96,866	97,836	50,915	51,395	39,133	39,631	6,818	6,811
Unemployed .....	10,886	11,570	4,905	5,188	3,565	3,855	2,415	2,527
Unemployment rate .....	9.8	10.2	8.4	8.8	8.2	8.7	24.7	25.6
Not in labor force .....	60,621	60,742	15,191	15,548	39,407	39,759	6,024	5,436
<b>White</b>								
Civilian noninstitutional population .....	149,429	150,810	64,643	65,631	71,681	72,539	13,105	12,640
Civilian labor force .....	97,367	98,488	51,614	52,202	37,133	37,741	8,620	8,545
Percent of population .....	65.2	65.3	79.8	79.5	51.8	52.0	65.8	67.6
Employed .....	89,068	89,890	47,773	48,235	34,490	34,934	6,805	6,720
Agriculture .....	3,548	3,711	2,377	2,487	652	726	519	498
Nonagricultural industries .....	85,520	86,179	45,396	45,748	33,838	34,209	6,286	6,222
Unemployed .....	8,299	8,598	3,841	3,967	2,643	2,806	1,815	1,825
Unemployment rate .....	8.5	8.7	7.4	7.6	7.1	7.4	21.1	21.4
Not in labor force .....	52,061	52,322	13,029	13,429	34,547	34,798	4,485	4,095
<b>Black</b>								
Civilian noninstitutional population .....	18,570	18,911	7,178	7,352	9,137	9,329	2,255	2,230
Civilian labor force .....	11,471	11,988	5,383	5,614	5,142	5,284	946	1,090
Percent of population .....	61.8	63.4	75.0	76.4	56.3	56.6	42.0	48.9
Employed .....	9,211	9,389	4,474	4,558	4,334	4,353	403	478
Agriculture .....	188	198	145	145	32	25	12	28
Nonagricultural industries .....	9,023	9,191	4,329	4,413	4,302	4,328	391	450
Unemployed .....	2,260	2,599	910	1,055	807	931	543	612
Unemployment rate .....	19.7	21.7	16.9	18.8	15.7	17.6	57.4	56.2
Not in labor force .....	7,099	6,923	1,794	1,738	3,996	4,045	1,309	1,140



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-6. Employment status of the civilian noninstitutional population 16 to 21 years of age by major activity, sex, and race**

(Numbers in thousands)

Employment status and major activity	June 1983								
	Total			White			Black		
	Both sexes	Men	Women	Both sexes	Men	Women	Both sexes	Men	Women
<b>TOTAL</b>									
Civilian noninstitutional population .....	23,377	11,606	11,771	19,383	9,653	9,730	3,329	1,601	1,728
Civilian labor force .....	16,265	8,714	7,551	14,019	7,476	6,544	1,859	1,007	852
Percent of population .....	69.6	75.1	64.2	72.3	77.4	67.3	55.8	62.9	49.3
Employed .....	12,691	6,825	5,866	11,445	6,113	5,332	988	560	428
Agriculture .....	748	609	139	690	562	128	52	42	10
Nonagricultural industries .....	11,943	6,216	5,727	10,755	5,551	5,204	936	518	418
Unemployed .....	3,574	1,889	1,885	2,575	1,363	1,212	871	446	424
Looking for full-time work .....	2,664	1,473	1,191	1,899	1,052	847	685	367	317
Looking for part-time work .....	910	416	494	676	311	365	186	79	107
Percent of labor force .....	22.0	21.7	22.3	18.4	18.2	18.5	46.8	44.3	49.8
Not in labor force .....	7,111	2,892	4,220	5,364	2,177	3,187	1,470	593	876
<b>Major activity: Going to school</b>									
Civilian noninstitutional population .....	3,762	1,897	1,864	2,812	1,446	1,368	751	350	401
Civilian labor force .....	1,186	643	543	982	533	449	153	84	69
Percent of population .....	31.5	33.9	29.1	34.9	36.9	32.8	20.4	24.0	17.2
Employed .....	725	407	318	649	367	282	56	32	25
Agriculture .....	22	22	-	24	24	-	-	-	-
Nonagricultural industries .....	703	385	319	625	343	282	56	31	25
Unemployed .....	461	236	225	332	166	166	97	52	45
Looking for full-time work .....	216	127	89	158	92	66	54	30	25
Looking for part-time work .....	244	109	135	174	74	101	43	23	20
Percent of labor force .....	38.8	36.7	41.4	33.9	31.2	37.0	63.3	61.9	64.6
Not in labor force .....	2,576	1,254	1,321	1,830	913	918	598	286	332
<b>Major activity: Other</b>									
Civilian noninstitutional population .....	19,615	9,708	9,907	16,571	8,207	8,364	2,577	1,250	1,327
Civilian labor force .....	15,079	8,071	7,008	13,038	6,943	6,095	1,706	923	783
Percent of population .....	76.9	83.1	70.7	78.7	84.6	72.9	68.2	73.8	59.0
Employed .....	11,966	6,418	5,548	10,796	5,746	5,050	932	529	403
Agriculture .....	726	586	140	886	538	128	52	42	10
Nonagricultural industries .....	11,240	5,831	5,409	10,130	5,208	4,921	880	487	393
Unemployed .....	3,114	1,653	1,460	2,242	1,197	1,045	774	394	380
Looking for full-time work .....	2,447	1,346	1,102	1,741	959	782	630	338	293
Looking for part-time work .....	666	308	359	501	237	264	143	57	87
Percent of labor force .....	20.6	20.5	20.8	17.2	17.2	17.2	45.4	42.7	48.5
Not in labor force .....	4,536	1,637	2,898	3,533	1,264	2,269	871	327	544

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-7. Employment status of male Vietnam-era veterans and nonveterans by age**

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	June 1982	June 1983	Total		Employed		Unemployed			
			June 1982	June 1983	June 1982	June 1983	Number		Percent of labor force	
							June 1982	June 1983	June 1982	June 1983
<b>VETERANS</b>										
Total, 25 years and over .....	8,688	7,843	8,178	7,367	7,472	6,748	706	619	8.6	8.4
25 to 39 years .....	7,151	5,878	6,847	5,639	6,214	5,113	633	526	9.2	9.3
25 to 29 years .....	1,227	684	1,134	637	938	538	196	99	17.3	15.5
30 to 34 years .....	2,953	2,171	2,833	2,094	2,594	1,887	239	207	8.4	9.9
35 to 39 years .....	2,971	3,023	2,880	2,908	2,682	2,688	198	220	6.9	7.6
40 years and over .....	1,537	1,965	1,331	1,728	1,258	1,635	73	93	5.5	5.4
<b>NONVETERANS</b>										
Total, 25 to 39 years .....	16,174	19,970	17,265	16,915	15,745	17,197	1,540	1,718	8.9	9.1
25 to 29 years .....	8,155	6,691	7,722	8,190	6,900	7,323	622	867	10.8	10.6
30 to 34 years .....	5,947	6,759	5,702	6,441	5,233	5,912	469	529	6.2	8.2
35 to 39 years .....	4,072	4,520	3,861	4,284	3,612	3,962	249	322	6.4	7.5

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Sex, age, and race	June 1983								
	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>									
Total, 16 years and over .....	99,095	62,249	6,908	9,938	10.0	14,268	12,656	1,632	11.4
16 to 19 years .....	6,636	3,189	1,690	1,757	26.5	3,231	2,462	769	23.8
16 to 17 years .....	2,084	732	724	629	30.2	1,801	1,281	520	28.9
18 to 19 years .....	4,552	2,458	966	1,129	24.8	1,430	1,181	249	17.4
20 years and over .....	92,458	79,060	5,218	8,181	8.8	11,057	10,195	862	7.8
20 to 24 years .....	14,841	11,121	1,518	2,202	14.8	1,838	1,561	277	15.0
25 years and over .....	77,618	67,938	3,700	5,979	7.7	9,219	8,633	586	6.4
25 to 54 years .....	65,593	57,167	3,093	5,333	8.1	6,328	5,880	447	7.1
55 years and over .....	12,026	10,771	607	646	5.4	2,892	2,753	139	4.8
<b>Men, 16 years and over .....</b>	<b>60,218</b>	<b>50,939</b>	<b>3,375</b>	<b>5,904</b>	<b>9.8</b>	<b>4,336</b>	<b>3,742</b>	<b>594</b>	<b>13.7</b>
16 to 19 years .....	3,736	1,887	896	952	25.5	1,551	1,194	357	23.0
20 years and over .....	56,482	49,052	2,478	4,952	8.8	2,785	2,548	237	8.5
20 to 24 years .....	8,398	6,360	738	1,300	15.5	701	598	103	14.7
25 years and over .....	48,085	42,693	1,741	3,651	7.6	2,083	1,950	134	6.4
25 to 54 years .....	40,323	35,637	1,451	3,235	8.0	900	825	75	8.3
55 years and over .....	7,762	7,056	290	416	5.4	1,183	1,124	59	5.0
<b>Women, 16 years and over .....</b>	<b>38,877</b>	<b>31,310</b>	<b>3,533</b>	<b>4,034</b>	<b>10.4</b>	<b>9,953</b>	<b>8,915</b>	<b>1,038</b>	<b>10.4</b>
16 to 19 years .....	2,901	1,302	794	805	27.7	1,680	1,268	412	24.5
20 years and over .....	35,976	30,007	2,740	3,229	9.0	8,273	7,647	626	7.6
20 to 24 years .....	6,443	4,761	760	902	14.0	1,137	963	174	15.3
25 years and over .....	29,534	25,246	1,980	2,327	7.9	7,136	6,684	452	6.3
25 to 54 years .....	25,270	21,530	1,642	2,097	8.3	5,428	5,055	372	6.9
55 years and over .....	4,264	3,716	318	230	5.4	1,709	1,629	80	4.7
<b>White</b>									
<b>Men, 16 years and over .....</b>	<b>52,906</b>	<b>45,659</b>	<b>2,794</b>	<b>4,453</b>	<b>8.4</b>	<b>3,837</b>	<b>3,394</b>	<b>443</b>	<b>11.6</b>
16 to 19 years .....	3,179	1,726	794	659	20.7	1,362	1,093	269	19.8
20 years and over .....	49,727	43,934	2,000	3,793	7.6	2,475	2,301	174	7.0
20 to 24 years .....	7,237	5,691	585	961	13.3	619	535	84	13.5
25 years and over .....	42,490	38,243	1,417	2,833	6.7	1,856	1,767	90	4.8
25 to 54 years .....	35,453	31,807	1,166	2,481	7.0	775	723	52	6.7
55 years and over .....	7,037	6,436	251	351	5.0	1,080	1,044	36	3.5
<b>Women, 16 years and over .....</b>	<b>32,725</b>	<b>26,921</b>	<b>2,938</b>	<b>2,866</b>	<b>8.8</b>	<b>9,019</b>	<b>8,183</b>	<b>836</b>	<b>9.3</b>
16 to 19 years .....	2,522	1,217	723	582	23.1	1,482	1,168	314	21.2
20 years and over .....	30,203	25,704	2,215	2,284	7.6	7,537	7,015	522	6.9
20 to 24 years .....	5,518	4,253	663	602	10.9	979	850	129	13.2
25 years and over .....	24,686	21,451	1,553	1,681	6.8	6,558	6,165	393	6.0
25 to 54 years .....	20,964	18,160	1,306	1,498	7.1	5,015	4,696	319	6.4
55 years and over .....	3,722	3,291	247	183	4.9	1,543	1,469	74	4.8
<b>Black</b>									
<b>Men, 16 years and over .....</b>	<b>5,844</b>	<b>4,089</b>	<b>498</b>	<b>1,257</b>	<b>21.5</b>	<b>364</b>	<b>242</b>	<b>122</b>	<b>33.5</b>
16 to 19 years .....	456	122	79	255	56.0	138	70	68	49.5
20 years and over .....	5,388	3,967	419	1,002	18.6	226	172	54	23.8
20 to 24 years .....	986	549	138	299	30.3	64	51	13	( <sup>2</sup> )
25 years and over .....	4,403	3,418	281	702	15.9	162	120	41	25.3
25 to 54 years .....	3,828	2,932	245	649	17.0	78	57	20	25.6
55 years and over .....	575	486	36	53	9.2	84	63	21	25.0
<b>Women, 16 years and over .....</b>	<b>5,081</b>	<b>3,513</b>	<b>508</b>	<b>1,060</b>	<b>20.9</b>	<b>699</b>	<b>539</b>	<b>160</b>	<b>22.9</b>
16 to 19 years .....	332	68	59	205	61.8	184	80	84	51.0
20 years and over .....	4,749	3,445	448	855	18.0	535	459	76	14.3
20 to 24 years .....	791	412	103	275	34.8	107	73	34	31.7
25 years and over .....	3,958	3,033	344	546	13.8	429	386	43	10.0
25 to 54 years .....	3,498	2,677	283	537	15.4	281	244	37	13.2
55 years and over .....	460	356	61	9	2.0	148	142	6	4.1

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

<sup>2</sup> Data not shown where base is less than 75,000.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Family relationship	June 1983									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over .....	113,383	65.1	101,813	11,570	10.2	60,742	32,684	3,660	2,515	21,884
Husbands .....	39,546	79.4	37,183	2,383	6.0	10,240	136	147	905	9,052
With employed wife .....	21,629	91.6	20,416	1,213	5.8	1,991	49	81	280	1,580
With unemployed wife .....	1,725	91.8	1,431	294	17.1	154	1	3	31	120
With wife not in labor force .....	16,191	66.7	15,316	875	5.4	8,096	86	83	594	7,352
Wives .....	25,499	51.2	23,620	1,879	7.4	24,287	21,313	218	292	2,464
With employed husband .....	21,847	58.8	20,416	1,431	6.5	15,316	14,044	178	79	1,015
With unemployed husband .....	1,507	83.3	1,213	294	19.5	875	807	7	13	48
With husband not in labor force .....	2,145	20.9	1,991	154	7.2	8,096	6,462	33	199	1,401
Relatives in married-couple families .....	16,088	71.1	12,956	3,132	19.5	6,539	1,120	2,037	302	3,079
16 to 19 years .....	6,940	66.6	5,337	1,603	23.1	3,475	228	1,434	10	1,804
20 to 24 years .....	6,175	83.1	5,135	1,040	18.8	1,256	206	505	35	511
25 years and over .....	2,973	62.2	2,484	489	16.4	1,808	686	98	257	764
Women who maintain families .....	5,714	58.3	4,990	723	12.7	4,086	3,121	88	148	729
Relatives in families maintained by women .....	5,539	63.0	4,066	1,473	26.6	3,248	900	694	259	1,395
16 to 19 years .....	1,698	58.8	1,051	647	38.1	1,292	146	520	17	609
20 to 24 years .....	1,707	77.5	1,273	434	25.4	496	170	130	10	186
25 years and over .....	2,134	59.4	1,742	392	18.4	1,460	584	44	232	600
Men who maintain families .....	1,892	75.8	1,721	171	9.0	603	31	18	52	502
Relatives in families maintained by men .....	1,680	63.9	1,376	305	18.1	951	428	142	40	344
16 to 19 years .....	367	63.2	268	99	28.9	213	50	81	-	83
20 to 24 years .....	493	81.3	406	86	17.5	113	32	46	-	36
25 years and over .....	820	56.7	702	120	14.6	625	344	15	40	225
Persons living alone .....	10,374	53.4	9,644	730	7.0	9,071	4,975	119	400	3,577
Men .....	5,499	72.3	5,016	483	8.8	2,105	105	62	182	1,756
Women .....	4,876	41.2	4,628	247	5.1	6,966	4,869	57	218	1,821
All others <sup>1</sup> .....	7,051	80.4	6,277	774	11.0	1,717	662	197	117	742

<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, sex, age, and race**

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983
Total, 18 years and over .....	6,211	6,498	9.8	10.1	4,675	5,072	9.7	10.4
Married, spouse present .....	2,462	2,508	6.0	6.2	1,757	1,947	6.9	7.5
Widowed, divorced, or separated .....	672	722	12.1	12.3	878	987	9.5	10.6
Single (never married) .....	3,077	3,268	18.0	18.1	2,040	2,138	15.5	15.7
White, 16 years and over .....	4,823	4,896	8.6	8.6	3,476	3,702	8.4	8.9
Married, spouse present .....	2,041	2,081	5.5	5.7	1,449	1,606	6.4	7.0
Widowed, divorced, or separated .....	526	516	11.4	10.7	882	688	9.1	9.1
Single (never married) .....	2,256	2,299	15.5	15.1	1,346	1,409	12.4	12.6
Black, 16 years and over .....	1,206	1,379	20.5	22.2	1,054	1,220	18.9	21.1
Married, spouse present .....	342	350	11.5	11.8	241	284	11.4	13.4
Widowed, divorced, or separated .....	131	182	15.8	19.6	179	271	11.7	17.0
Single (never married) .....	733	846	35.4	36.7	634	665	32.7	32.3
Total, 25 years and over .....	3,517	3,785	7.1	7.5	2,460	2,780	6.9	7.6
Married, spouse present .....	2,184	2,256	5.7	5.9	1,368	1,585	6.0	6.8
Widowed, divorced, or separated .....	595	676	11.4	12.1	754	856	8.7	9.7
Single (never married) .....	737	852	12.1	13.3	338	339	7.8	7.2
White, 25 years and over .....	2,807	2,922	6.4	6.6	1,861	2,075	6.1	6.6
Married, spouse present .....	1,794	1,853	5.2	5.4	1,115	1,309	5.5	6.4
Widowed, divorced, or separated .....	465	474	10.7	10.4	578	589	8.2	8.3
Single (never married) .....	548	595	10.7	11.1	168	177	5.0	4.9
Black, 25 years and over .....	605	743	13.8	16.3	510	622	12.1	14.2
Married, spouse present .....	317	336	11.3	11.9	195	228	10.2	11.7
Widowed, divorced, or separated .....	120	179	15.1	19.7	162	243	11.1	15.9
Single (never married) .....	166	229	20.8	28.0	153	151	18.3	16.5

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983
Total, 16 years and over .....	10,886	11,570	9.8	10.2	9.8	10.1	9.7	10.4
Managerial and professional specialty .....	831	851	3.5	3.5	( <sup>1</sup> )	3.0	( <sup>1</sup> )	4.4
Executive, administrative, and managerial .....	417	392	3.8	3.5	( <sup>1</sup> )	2.8	( <sup>1</sup> )	5.0
Professional specialty .....	415	460	3.3	3.6	( <sup>1</sup> )	3.1	( <sup>1</sup> )	4.0
Technical, sales, and administrative support .....	2,072	2,280	6.3	6.8	( <sup>1</sup> )	5.6	( <sup>1</sup> )	7.5
Technicians and related support .....	170	156	5.4	5.0	( <sup>1</sup> )	5.2	( <sup>1</sup> )	4.8
Sales occupations .....	778	937	6.5	7.3	( <sup>1</sup> )	4.7	( <sup>1</sup> )	10.1
Administrative support, including clerical .....	1,124	1,187	6.4	6.8	( <sup>1</sup> )	7.3	( <sup>1</sup> )	6.6
Service occupations .....	1,683	1,803	10.9	11.4	( <sup>1</sup> )	11.8	( <sup>1</sup> )	11.2
Private household .....	71	89	6.5	8.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.3
Protective service .....	93	127	5.4	6.7	( <sup>1</sup> )	6.4	( <sup>1</sup> )	8.4
Service, except private household and protective .....	1,519	1,587	12.1	12.4	( <sup>1</sup> )	13.6	( <sup>1</sup> )	11.6
Precision production, craft, and repair .....	1,285	1,493	9.7	10.7	( <sup>1</sup> )	10.8	( <sup>1</sup> )	9.6
Mechanics and repairers .....	291	372	6.9	8.3	( <sup>1</sup> )	8.3	( <sup>1</sup> )	7.2
Construction trades .....	609	669	12.9	13.0	( <sup>1</sup> )	13.1	( <sup>1</sup> )	9.6
Other precision production, craft, and repair .....	386	451	8.9	10.5	( <sup>1</sup> )	10.7	( <sup>1</sup> )	9.9
Operators, fabricators, and laborers .....	3,188	2,797	15.7	14.5	( <sup>1</sup> )	14.1	( <sup>1</sup> )	15.6
Machine operators, assemblers, and inspectors .....	1,555	1,371	16.1	15.0	( <sup>1</sup> )	14.0	( <sup>1</sup> )	16.3
Transportation and material moving occupations .....	620	520	12.6	10.9	( <sup>1</sup> )	10.9	( <sup>1</sup> )	10.7
Handlers, equipment cleaners, helpers, and laborers .....	1,013	906	17.9	16.8	( <sup>1</sup> )	17.2	( <sup>1</sup> )	14.4
Construction laborers .....	200	161	24.8	17.9	( <sup>1</sup> )	18.4	( <sup>1</sup> )	( <sup>1</sup> )
Other handlers, equipment cleaners, helpers, and laborers .....	813	745	16.7	16.6	( <sup>1</sup> )	16.9	( <sup>1</sup> )	14.9
Farming, forestry, and fishing .....	306	406	6.6	8.2	( <sup>1</sup> )	7.9	( <sup>1</sup> )	10.0
No previous work experience .....	1,539	1,891	-	-	-	-	-	-
16 to 19 years .....	1,176	1,454	-	-	-	-	-	-
20 to 24 years .....	272	272	-	-	-	-	-	-
25 years and over .....	91	165	-	-	-	-	-	-

<sup>1</sup> Data for 1982 are not shown because they do not meet reliability standards for publication.

<sup>2</sup> Data not shown where base is less than 75,000.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-12. Unemployed persons by industry and sex**

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983
Total, 16 years and over .....	10,886	11,570	9.8	10.2	9.8	10.1	9.7	10.4
Nonagricultural private wage and salary workers .....	8,074	8,237	9.9	9.9	10.3	10.2	9.3	9.6
Mining .....	156	195	13.2	17.3	14.6	18.7	4.6	10.4
Construction .....	888	890	16.9	15.7	17.3	16.2	13.2	9.3
Manufacturing .....	2,722	2,492	12.0	11.3	11.3	10.5	13.5	12.9
Durable goods .....	1,726	1,595	12.9	12.2	12.7	11.7	13.5	13.5
Lumber and wood products .....	108	111	16.9	15.3	17.4	14.6	13.4	20.4
Furniture and fixtures .....	91	62	16.5	11.1	15.3	9.3	19.0	14.9
Stone, clay, and glass products .....	63	53	10.2	8.6	7.6	8.9	18.2	7.7
Primary metal industries .....	248	195	21.0	19.3	21.3	19.5	18.9	18.0
Fabricated metal products .....	255	204	17.7	13.7	17.1	12.7	19.9	17.6
Machinery, except electrical .....	307	383	11.0	13.5	11.3	13.1	9.7	14.8
Electrical machinery, equipment, and supplies .....	196	230	8.0	10.1	5.3	7.6	11.4	13.3
Transportation equipment .....	300	248	13.8	10.6	13.1	10.0	16.9	13.1
Automobiles .....	181	137	17.0	12.7	15.9	11.7	22.7	17.6
Other transportation equipment .....	119	111	10.7	8.8	10.4	8.5	12.4	10.2
Professional and photographic equipment .....	68	43	10.6	5.9	11.3	5.2	9.5	6.9
Other durable goods industries .....	89	65	10.9	12.7	9.5	12.6	13.0	12.8
Nondurable goods .....	996	898	10.7	10.0	6.6	8.3	13.5	12.3
Food and kindred products .....	227	212	11.2	11.2	9.0	9.2	16.2	15.1
Textile mill products .....	114	92	14.2	11.0	13.1	10.2	15.2	11.7
Apparel and other textile products .....	195	153	14.3	11.8	11.5	12.4	15.0	11.7
Paper and allied products .....	60	51	8.0	6.8	6.8	5.9	12.0	9.2
Printing and publishing .....	134	126	8.3	7.7	8.7	6.2	7.7	10.0
Chemicals and allied products .....	100	89	7.5	7.6	5.1	6.8	13.9	9.2
Rubber and miscellaneous plastics products .....	95	93	12.9	12.1	10.2	9.7	17.4	17.1
Other nondurable goods industries .....	70	81	10.1	13.3	9.8	10.8	10.3	17.1
Transportation and public utilities .....	369	413	6.3	7.2	6.8	8.0	5.0	5.3
Transportation .....	307	315	9.5	8.1	9.7	8.9	8.9	5.1
Communications and other public utilities .....	62	99	2.4	3.9	2.4	3.6	2.2	4.2
Wholesale and retail trade .....	2,100	2,232	10.0	10.4	9.7	9.3	10.3	11.6
Wholesale trade .....	305	363	7.2	8.3	7.2	7.8	7.4	9.6
Retail trade .....	1,794	1,869	10.7	10.9	10.7	9.9	10.7	11.9
Finance, insurance, and real estate .....	310	271	5.3	4.5	4.9	4.0	5.5	4.8
Service industries .....	1,530	1,744	7.6	8.3	8.1	9.0	7.3	7.9
Professional services .....	650	709	5.7	6.1	5.3	5.8	6.0	6.2
Other service industries .....	880	1,035	10.1	11.2	10.3	11.4	9.9	11.0
Agricultural wage and salary workers .....	227	295	11.7	13.4	10.2	11.9	17.3	18.7
Government, self-employed, and unpaid family workers .....	1,045	1,147	4.0	4.4	3.7	4.0	4.4	4.8
No previous work experience .....	1,539	1,891	-	-	-	-	-	-

NOTE: Data for 1982 are not fully comparable with 1983 data as a result of revisions in industrial classifications in 1983.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed .....	10,886	11,570	4,905	5,188	3,565	3,855	2,415	2,527	8,299	8,598	2,260	2,599
Job losers .....	5,804	8,135	3,851	3,966	1,732	1,882	421	288	4,573	4,773	1,202	1,290
On layoff .....	1,864	1,625	1,203	1,038	569	537	93	50	1,547	1,372	286	236
Other job losers .....	3,940	4,510	2,448	2,928	1,163	1,345	328	238	3,026	3,401	917	1,055
Job leavers .....	793	748	309	289	361	345	123	114	654	605	12	27
Reentrants .....	2,751	2,799	814	757	1,239	1,368	698	674	2,031	1,955	617	747
New entrants .....	1,538	1,887	131	176	233	261	1,174	1,450	1,041	1,265	428	535
<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 .....	53.3	53.0	74.4	76.4	48.6	48.8	17.4	11.4	55.1	55.6	53.2	49.6
On layoff .....	17.1	14.0	24.5	20.0	16.0	13.9	3.6	2.0	18.6	16.0	12.7	9.1
Other job losers .....	36.2	39.0	49.9	56.4	32.6	34.9	13.6	9.4	36.5	39.6	40.8	40.6
Job leavers .....	7.3	6.5	6.3	5.6	10.1	8.9	5.1	4.5	7.9	7.0	.5	1.0
Reentrants .....	25.3	24.2	16.6	14.6	34.7	35.5	28.9	26.7	24.5	22.7	27.3	28.7
New entrants .....	14.1	16.3	2.7	3.4	6.5	6.8	48.6	57.4	12.5	14.7	18.9	20.6
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>												
Job losers .....	5.2	5.4	6.3	6.7	4.0	4.2	4.3	2.9	4.7	4.9	10.5	10.8
Job leavers .....	.7	.7	.5	.5	.8	.8	1.3	1.2	.7	.6	.1	.2
Reentrants .....	2.5	2.5	1.4	1.3	2.9	3.1	7.1	6.8	2.1	2.0	5.4	6.2
New entrants .....	1.4	1.7	.2	.3	.5	.6	12.0	14.7	1.1	1.3	3.7	4.5



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

(Percent distribution)

Reason, sex, and age	June 1983						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over .....	11,570	100.0	39.6	21.9	38.4	13.9	24.6
Job losers .....	6,135	100.0	25.5	20.6	53.9	18.5	35.4
On layoff .....	1,625	100.0	37.5	19.4	43.1	14.4	28.7
Other job losers .....	4,510	100.0	21.1	21.0	57.8	20.0	37.9
Job leavers .....	748	100.0	44.0	24.7	31.2	11.8	19.4
Reentrants .....	2,799	100.0	53.9	24.0	22.2	9.4	12.8
New entrants .....	1,887	100.0	62.9	22.1	15.0	6.3	8.7
Men, 20 years and over .....	5,188	100.0	26.4	20.7	53.0	17.7	35.3
Job losers .....	3,966	100.0	21.1	20.0	58.9	19.8	39.1
On layoff .....	1,038	100.0	31.9	18.9	49.2	17.7	31.5
Other job losers .....	2,928	100.0	17.3	20.4	62.3	20.5	41.8
Job leavers .....	289	100.0	32.8	25.3	42.0	9.9	32.0
Reentrants .....	757	100.0	47.3	23.2	29.5	10.7	18.8
New entrants .....	176	100.0	43.6	17.6	38.8	12.3	26.5
Women, 20 years and over .....	3,855	100.0	40.5	23.5	36.0	13.6	22.4
Job losers .....	1,882	100.0	30.0	21.8	48.2	17.2	31.0
On layoff .....	537	100.0	45.2	20.1	34.7	9.8	24.9
Other job losers .....	1,345	100.0	23.9	22.4	53.7	20.2	33.5
Job leavers .....	345	100.0	47.4	25.7	28.8	13.1	13.8
Reentrants .....	1,368	100.0	50.7	25.1	24.2	10.2	14.0
New entrants .....	261	100.0	53.6	25.2	21.2	6.1	15.2
Both sexes, 16 to 19 years .....	2,527	100.0	65.6	22.0	12.4	6.5	5.9
Job losers .....	288	100.0	55.5	21.3	23.3	9.2	14.0
On layoff .....	50	100.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other job losers .....	238	100.0	52.2	21.2	26.6	11.7	15.0
Job leavers .....	114	100.0	62.3	20.4	17.3	12.8	4.5
Reentrants .....	674	100.0	67.6	22.5	9.9	6.2	3.7
New entrants .....	1,450	100.0	66.9	22.1	11.0	5.6	5.4

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

**A-15. Unemployed persons by duration of unemployment**

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983
Total, 16 years and over .....	10,886	11,570	100.0	100.0	9,518	9,938	100.0	100.0
Less than 5 weeks .....	4,542	4,587	41.7	39.6	3,680	3,522	38.7	35.4
5 to 14 weeks .....	2,943	2,536	27.0	21.9	2,617	2,198	27.5	22.1
5 to 10 weeks .....	2,135	1,802	19.6	15.6	1,887	1,551	19.8	15.6
11 to 14 weeks .....	808	735	7.4	6.4	730	647	7.7	6.5
15 weeks and over .....	3,401	4,447	31.2	38.4	3,222	4,218	33.9	42.4
15 to 26 weeks .....	1,635	1,605	15.0	13.9	1,521	1,499	16.0	15.1
27 weeks and over .....	1,766	2,842	16.2	24.6	1,700	2,719	17.9	27.4
27 to 51 weeks .....	1,026	1,256	9.4	10.9	1,009	1,205	10.6	12.1
52 weeks and over .....	740	1,586	6.8	13.7	691	1,514	7.3	15.2
Average (mean) duration, in weeks .....	14.7	19.8	-	-	15.7	21.6	-	-
Median duration, in weeks .....	7.3	8.8	-	-	8.2	10.6	-	-

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-16. Unemployed persons by sex, age, race, marital status, and duration of unemployment**

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
	June 1983							June 1982	June 1983	June 1982	June 1983
Total, 16 years and over .....	11,570	4,587	2,536	1,605	2,842	19.8	8.8	41.7	39.6	31.2	38.4
16 to 19 years .....	2,527	1,857	557	165	148	7.8	3.8	82.9	65.6	12.9	12.4
20 to 24 years .....	2,478	1,070	595	356	458	16.3	7.0	44.0	43.2	27.0	32.9
25 to 34 years .....	3,121	961	687	498	975	23.9	13.5	35.1	30.8	37.8	47.2
35 to 44 years .....	1,856	456	350	278	571	26.1	15.9	30.5	27.5	41.6	51.3
45 to 54 years .....	1,003	244	193	174	392	28.5	19.4	28.8	24.4	45.5	56.4
55 to 64 years .....	875	162	124	118	271	30.4	20.2	28.9	24.0	43.3	57.5
65 years and over .....	110	37	31	15	28	19.9	10.8	( <sup>1</sup> )	33.5	( <sup>1</sup> )	38.6
Men, 16 years and over .....	6,498	2,186	1,373	1,006	1,934	23.1	12.1	38.0	33.6	35.4	45.2
16 to 19 years .....	1,310	818	300	90	102	8.9	4.0	58.6	62.4	14.9	14.7
20 to 24 years .....	1,403	509	345	223	327	19.0	8.4	39.5	36.3	31.6	39.2
25 to 34 years .....	1,831	438	377	330	686	28.3	18.7	31.7	23.9	42.2	55.5
35 to 44 years .....	928	223	167	161	377	29.4	20.5	30.2	24.0	45.5	58.0
45 to 54 years .....	552	98	85	118	251	32.3	24.4	24.6	17.8	50.7	66.8
55 to 64 years .....	405	74	84	76	170	32.5	21.9	28.1	18.3	45.3	60.9
65 years and over .....	70	26	15	8	21	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 16 years and over .....	5,072	2,402	1,164	599	908	15.7	5.7	46.7	47.3	25.7	29.7
16 to 19 years .....	1,217	839	257	75	46	6.6	3.6	68.0	69.0	10.6	9.9
20 to 24 years .....	1,075	560	250	134	131	12.9	4.8	49.7	52.1	21.3	24.6
25 to 34 years .....	1,290	524	310	188	288	17.7	8.1	40.2	40.6	31.3	35.4
35 to 44 years .....	727	233	183	117	194	21.9	10.9	31.0	32.0	36.2	42.8
45 to 54 years .....	451	146	106	56	141	24.0	10.9	34.5	32.4	38.7	43.7
55 to 64 years .....	270	88	40	42	100	27.2	17.0	28.3	32.7	40.1	52.5
65 years and over .....	40	11	16	7	7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	8,598	3,311	1,970	1,213	2,104	19.7	9.2	41.7	36.5	30.6	38.6
Men .....	4,896	1,614	1,080	750	1,452	23.0	12.2	37.8	33.0	34.9	45.0
Women .....	3,702	1,697	890	463	652	15.5	6.2	47.0	45.8	24.7	30.1
Black, 16 years and over .....	2,599	1,109	493	340	657	20.4	6.2	42.6	42.7	33.6	38.4
Men .....	1,379	478	252	221	428	24.1	11.8	38.2	34.6	38.4	47.1
Women .....	1,220	632	241	119	229	16.2	3.9	47.7	51.8	28.0	28.5
Men, 16 years and over:											
Married, spouse present .....	2,508	593	511	456	949	27.9	19.0	31.3	23.6	40.9	56.0
Widowed, divorced, or separated .....	722	162	111	136	313	31.5	22.8	29.6	22.4	46.3	62.3
Single (never married) .....	3,266	1,431	752	414	672	17.5	6.9	45.1	43.8	28.6	33.2
Women, 16 years and over:											
Married, spouse present .....	1,947	758	472	283	434	18.4	8.8	39.6	38.9	29.3	38.8
Widowed, divorced, or separated .....	987	326	251	131	279	21.7	10.3	35.0	33.0	37.0	41.6
Single (never married) .....	2,138	1,317	441	185	195	10.4	4.1	58.0	61.6	17.8	17.7

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-17. Unemployed persons by occupation, industry, and duration of unemployment**

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								June 1982	June 1983	June 1982	June 1983
<b>OCCUPATION</b>											
Managerial and professional specialty .....	851	294	186	153	219	20.1	11.8	38.9	34.5	29.1	43.7
Technical, sales, and administrative support .....	2,280	910	537	328	505	18.5	8.2	41.2	39.9	28.4	36.5
Service occupations .....	1,803	776	412	241	375	17.9	7.1	45.6	43.0	29.0	34.1
Precision production, craft, and repair .....	1,493	415	348	276	452	23.4	14.5	33.7	27.8	36.9	48.8
Operators, fabricators, and laborers .....	2,797	772	538	447	1,040	27.7	17.4	34.2	27.6	41.6	53.2
Farming, forestry, and fishing .....	406	214	85	35	72	14.0	4.7	40.7	52.8	27.9	26.3
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	295	171	70	19	35	11.2	4.3	44.7	58.2	25.4	18.2
Construction .....	919	275	206	176	262	22.6	13.8	36.9	29.9	38.8	47.7
Manufacturing .....	2,500	584	487	423	1,006	29.2	20.1	33.0	23.4	42.0	57.2
Durable goods .....	1,802	323	287	290	703	31.4	22.9	30.1	20.1	45.0	62.0
Nondurable goods .....	898	262	200	133	303	25.3	14.2	38.0	29.1	36.8	48.6
Transportation and public utilities .....	456	130	89	72	165	26.8	16.4	31.6	28.5	37.0	51.9
Wholesale and retail trade .....	2,243	947	479	368	448	17.4	7.3	41.7	42.2	29.3	36.4
Finance and service industries .....	2,555	1,059	603	332	563	18.2	7.8	43.4	41.4	27.6	35.0
Public administration .....	305	108	84	35	77	21.6	9.3	36.7	35.8	38.3	36.8
No previous work experience .....	1,891	1,190	417	119	164	9.8	4.0	62.1	63.0	13.5	15.0

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-18. Unemployed jobseekers by sex, age, race, and jobsearch methods used**

Sex, age, and race	June 1983								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
<b>Total, 16 years and over</b> .....	11,570	9,746	23.9	5.1	79.6	32.5	16.6	5.0	1.63
16 to 19 years .....	2,527	2,411	16.5	2.7	83.2	24.3	15.6	4.6	1.47
20 to 24 years .....	2,478	2,140	23.2	8.3	81.0	37.8	16.8	3.9	1.69
25 to 34 years .....	3,121	2,519	28.0	5.0	79.3	34.7	16.3	5.6	1.69
35 to 44 years .....	1,658	1,322	29.4	7.4	78.0	32.2	19.4	4.8	1.71
45 to 54 years .....	1,003	748	26.6	6.4	72.5	37.6	16.0	5.2	1.64
55 to 64 years .....	675	519	26.0	5.2	74.8	30.6	13.7	9.1	1.59
65 years and over .....	110	86	3.5	2.3	62.8	33.7	30.2	8.1	1.41
<b>Men, 16 years and over</b> .....	6,498	5,338	28.0	5.1	81.0	30.7	19.2	5.8	1.68
16 to 19 years .....	1,310	1,260	16.2	2.9	84.1	21.7	19.9	4.4	1.49
20 to 24 years .....	1,403	1,167	25.1	6.7	82.9	35.4	19.2	3.6	1.73
25 to 34 years .....	1,831	1,432	30.9	4.6	81.6	33.8	19.7	6.4	1.77
35 to 44 years .....	928	719	35.0	7.0	79.3	31.7	19.5	7.0	1.79
45 to 54 years .....	552	402	28.1	6.5	72.6	32.6	16.4	8.2	1.64
55 to 64 years .....	405	302	27.2	4.6	75.8	29.8	13.9	11.3	1.63
65 years and over .....	70	57	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Women, 16 years and over</b> .....	5,072	4,408	21.3	5.2	77.8	34.6	13.5	4.1	1.56
16 to 19 years .....	1,217	1,152	16.9	2.4	82.3	27.1	10.9	4.8	1.44
20 to 24 years .....	1,075	973	20.9	5.9	78.6	40.7	14.0	4.2	1.64
25 to 34 years .....	1,290	1,087	24.2	5.5	76.4	36.0	11.9	4.5	1.59
35 to 44 years .....	727	603	22.7	7.8	76.6	32.8	19.2	2.2	1.61
45 to 54 years .....	451	346	25.1	6.4	72.3	43.4	15.6	1.7	1.64
55 to 64 years .....	270	216	24.3	6.0	72.9	31.7	13.3	6.4	1.55
65 years and over .....	40	30	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>White, 16 years and over</b> .....	8,598	7,058	22.8	5.2	79.7	34.5	17.0	5.3	1.65
Men .....	4,898	3,917	25.0	5.1	81.1	33.0	19.5	6.3	1.70
Women .....	3,702	3,141	20.2	5.4	78.0	36.4	13.8	4.0	1.58
<b>Black, 16 years and over</b> .....	2,599	2,347	27.0	5.1	79.6	14.2	26.2	4.1	1.56
Men .....	1,379	1,220	28.9	4.9	81.5	17.4	23.0	3.8	1.60
Women .....	1,220	1,127	24.8	5.2	77.6	10.8	29.6	4.4	1.53

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

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or waiting to begin a new 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.

**A-19. Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used**

Sex and reason	June 1983								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	11,570	9,746	23.9	5.1	79.6	32.5	16.6	5.0	1.63
Job losers <sup>1</sup> .....	6,135	4,511	30.8	6.2	81.8	33.8	18.3	5.0	1.76
Job leavers .....	748	745	22.0	5.9	72.3	43.8	15.2	2.4	1.62
Reentrants .....	2,799	2,636	18.3	4.4	77.8	34.9	14.6	5.0	1.55
New entrants .....	1,887	1,855	16.1	3.3	79.6	21.4	16.1	6.1	1.43
Men, 16 years and over .....	6,498	5,338	26.0	5.1	81.0	30.7	19.2	5.8	1.68
Job losers <sup>1</sup> .....	4,167	3,088	31.8	5.7	82.3	31.8	19.2	6.0	1.77
Job leavers .....	331	335	19.1	5.7	70.7	49.0	20.9	3.3	1.69
Reentrants .....	1,097	1,028	19.6	4.3	81.9	32.2	18.8	5.2	1.62
New entrants .....	902	887	16.7	3.4	79.5	18.5	19.1	6.8	1.44
Women, 18 years and over .....	5,072	4,408	21.3	5.2	77.8	34.6	13.5	4.1	1.56
Job losers <sup>1</sup> .....	1,968	1,422	28.6	7.2	80.7	38.0	16.4	2.9	1.74
Job leavers .....	417	409	24.7	6.1	74.1	39.4	10.8	1.7	1.57
Reentrants .....	1,702	1,808	17.4	4.5	75.1	38.6	11.9	5.0	1.50
New entrants .....	985	968	15.6	3.2	79.6	24.1	13.3	5.5	1.41

<sup>1</sup> Data on the number of jobseekers and the jobsearch methods used exclude persons on layoff.

NOTE: The jobseeker total is less than the total unemployed because it does not include persons on layoff or waiting to begin a new job within

30 days, groups for whom jobseeking information is not collected. The percent using each method will always total more than 100 because many jobseekers use more than one method.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-20. Employed civilians in agriculture and nonagricultural industries by age and sex**

(In thousands)

Industry and age	Total		Men		Women	
	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983
All industries .....	100,683	101,813	57,382	58,058	43,320	43,757
16 to 19 years .....	7,355	7,341	3,873	3,977	3,481	3,363
16 to 17 years .....	2,874	2,736	1,578	1,526	1,298	1,210
18 to 19 years .....	4,481	4,604	2,296	2,451	2,185	2,153
20 to 24 years .....	14,125	14,200	7,515	7,696	6,610	6,504
25 to 54 years .....	64,828	66,140	37,324	37,912	27,504	28,228
25 to 34 years .....	27,922	28,597	16,035	16,280	11,887	12,317
35 to 44 years .....	20,853	21,723	11,963	12,448	8,889	9,275
45 to 54 years .....	16,054	15,820	9,326	9,184	6,728	6,637
55 to 64 years .....	11,362	11,266	6,795	6,721	4,567	4,545
55 to 59 years .....	7,013	6,820	4,178	4,099	2,835	2,721
60 to 64 years .....	4,349	4,447	2,617	2,622	1,732	1,825
65 years and over .....	3,013	2,866	1,855	1,749	1,158	1,116
Agriculture .....	3,816	3,977	3,026	3,121	791	855
16 to 19 years .....	538	530	452	438	85	92
16 to 17 years .....	287	281	240	219	47	42
18 to 19 years .....	250	269	212	219	38	49
20 to 24 years .....	516	555	407	446	110	109
25 to 54 years .....	1,936	2,046	1,472	1,535	465	511
25 to 34 years .....	839	898	653	698	186	200
35 to 44 years .....	578	589	418	422	160	167
45 to 54 years .....	520	560	401	416	118	143
55 to 64 years .....	494	543	398	434	96	110
55 to 59 years .....	270	292	216	224	53	68
60 to 64 years .....	225	252	181	209	43	42
65 years and over .....	333	302	298	288	35	34
Nonagricultural industries .....	96,866	97,836	54,337	54,934	42,530	42,902
16 to 19 years .....	6,818	8,811	3,422	3,539	3,397	3,272
16 to 17 years .....	2,567	2,475	1,338	1,307	1,249	1,168
18 to 19 years .....	4,231	4,335	2,084	2,232	2,147	2,104
20 to 24 years .....	13,608	13,646	7,108	7,250	6,500	6,396
25 to 54 years .....	62,891	64,093	35,852	36,376	27,040	27,717
25 to 34 years .....	27,083	27,699	15,382	15,582	11,701	12,117
35 to 44 years .....	20,275	21,134	11,545	12,027	8,729	9,107
45 to 54 years .....	15,534	15,261	8,925	8,768	6,609	6,493
55 to 64 years .....	10,868	10,723	6,397	6,287	4,471	4,436
55 to 59 years .....	6,744	8,528	3,962	3,875	2,782	2,653
60 to 64 years .....	4,124	4,195	2,435	2,413	1,689	1,783
65 years and over .....	2,680	2,563	1,557	1,481	1,123	1,082

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-21. Employed civilians by occupation, sex, and age**

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983
Total .....	100,683	101,813	57,362	58,056	53,489	54,078	43,320	43,757	39,839	40,394
Managerial and professional specialty .....	22,801	23,201	13,727	13,899	13,627	13,801	9,075	9,302	8,981	9,241
Executive, administrative, and managerial .....	10,612	10,725	7,216	7,343	7,171	7,306	3,396	3,382	3,359	3,362
Officials and administrators, public administration .....	( <sup>1</sup> )	507	( <sup>1</sup> )	332	( <sup>1</sup> )	332	( <sup>1</sup> )	175	( <sup>1</sup> )	175
Other executive, administrative, and managerial .....	( <sup>1</sup> )	7,303	( <sup>1</sup> )	5,204	( <sup>1</sup> )	5,174	( <sup>1</sup> )	2,099	( <sup>1</sup> )	2,082
Management-related occupations .....	( <sup>1</sup> )	2,915	( <sup>1</sup> )	1,807	( <sup>1</sup> )	1,799	( <sup>1</sup> )	1,108	( <sup>1</sup> )	1,105
Professional specialty .....	12,189	12,475	6,511	6,556	6,456	6,495	5,679	5,920	5,622	5,878
Engineers .....	1,610	1,644	1,507	1,549	1,503	1,544	104	95	103	95
Mathematical and computer scientists .....	506	438	382	301	380	301	124	137	125	137
Natural scientists .....	371	368	302	286	301	285	69	82	68	82
Health diagnosing occupations .....	682	754	596	656	597	656	86	98	86	98
Health assessment and treating occupations .....	1,834	1,954	279	271	280	270	1,555	1,682	1,550	1,680
Teachers, college and university .....	506	493	332	315	331	315	173	177	173	177
Teachers, except college and university .....	3,088	2,922	948	817	933	809	2,140	2,105	2,125	2,086
Lawyers and judges .....	663	720	558	606	555	606	105	114	105	114
Other professional specialty occupations .....	2,929	3,183	1,606	1,754	1,577	1,710	1,323	1,430	1,288	1,411
Technical, sales, and administrative support .....	30,727	31,170	10,885	11,050	10,334	10,488	19,842	20,119	18,165	18,589
Technicians and related support .....	2,986	2,951	1,676	1,534	1,637	1,513	1,311	1,417	1,290	1,403
Health technologists and technicians .....	1,000	1,059	180	171	176	171	820	888	810	881
Engineering and science technicians .....	1,134	1,003	899	796	874	781	235	208	229	203
Technicians, except health, engineering, and science .....	852	888	597	567	587	560	256	322	250	319
Sales occupations .....	11,222	11,847	5,970	6,261	5,636	5,917	5,252	5,586	4,357	4,723
Supervisors and proprietors .....	2,740	3,051	2,090	2,153	2,074	2,130	651	898	642	874
Sales representatives, finance and business services .....	1,756	1,772	1,142	1,128	1,139	1,126	613	644	604	621
Sales representatives, commodities, except retail .....	1,455	1,485	1,209	1,267	1,186	1,261	246	218	234	209
Sales workers, retail and personal services .....	5,247	5,479	1,522	1,686	1,230	1,377	3,725	3,793	2,861	2,989
Sales-related occupations .....	24	60	7	26	7	25	18	34	18	31
Administrative support, including clerical .....	16,519	16,372	3,239	3,256	3,061	3,057	13,280	13,116	12,518	12,463
Supervisors .....	( <sup>1</sup> )	650	( <sup>1</sup> )	303	( <sup>1</sup> )	301	( <sup>1</sup> )	346	( <sup>1</sup> )	343
Computer equipment operators .....	607	593	236	189	230	176	371	404	356	377
Secretaries, stenographers, and typists .....	4,769	4,851	61	75	51	69	4,709	4,776	4,455	4,558
Financial records processing .....	2,452	2,480	236	254	230	246	2,216	2,227	2,145	2,181
Mail and message distributing .....	792	810	572	564	544	533	220	246	205	237
Other administrative support, including clerical .....	( <sup>1</sup> )	6,988	( <sup>1</sup> )	1,871	( <sup>1</sup> )	1,732	( <sup>1</sup> )	5,117	( <sup>1</sup> )	4,766
Service occupations .....	13,713	13,970	5,427	5,703	4,439	4,630	8,286	8,268	6,941	6,894
Private household .....	1,027	990	24	32	15	15	1,003	958	752	710
Protective service .....	1,639	1,757	1,461	1,503	1,408	1,450	178	255	162	195
Service, except private household and protective .....	11,047	11,223	3,942	4,168	3,016	3,166	7,105	7,056	6,028	5,990
Food service .....	4,966	4,907	1,665	1,822	1,044	1,151	3,301	3,085	2,520	2,342
Health service .....	1,749	1,689	243	164	224	149	1,506	1,525	1,413	1,439
Cleaning and building service .....	2,674	2,828	1,653	1,771	1,431	1,532	1,021	1,057	925	949
Personal service .....	1,658	1,800	381	411	317	335	1,277	1,388	1,169	1,260
Precision production, craft, and repair .....	11,988	12,420	11,139	11,432	10,738	11,096	849	988	822	963
Mechanics and repairers .....	3,919	4,118	3,810	4,006	3,686	3,885	110	111	107	110
Construction trades .....	4,111	4,461	4,003	4,377	3,792	4,213	107	84	100	73
Other precision production, craft, and repair .....	3,958	3,841	3,326	3,048	3,260	2,998	632	793	615	780
Operators, fabricators, and laborers .....	17,074	16,526	12,544	12,229	11,371	10,997	4,530	4,297	4,286	4,037
Machine operators, assemblers, and inspectors .....	8,109	7,776	4,726	4,532	4,523	4,295	3,383	3,245	3,237	3,119
Manufacturing industries .....	6,867	6,625	3,878	3,810	3,742	3,645	2,989	2,815	2,874	2,728
Durable goods .....	3,842	3,523	2,545	2,444	2,461	2,357	1,297	1,079	1,265	1,054
Nondurable goods .....	3,025	3,102	1,333	1,366	1,282	1,288	1,692	1,737	1,610	1,674
Nonmanufacturing industries .....	1,242	1,151	847	722	780	651	395	429	363	391
Transportation and material moving occupations .....	4,312	4,255	4,023	3,935	3,872	3,792	289	319	276	297
Motor vehicle operators .....	3,017	2,935	2,766	2,687	2,649	2,559	251	268	239	248
Other transportation and material moving occupations .....	1,294	1,319	1,257	1,268	1,222	1,233	38	51	37	49
Handlers, equipment cleaners, helpers, and laborers .....	4,653	4,495	3,795	3,763	2,976	2,910	858	733	773	621
Construction laborers .....	605	739	589	717	496	596	16	22	13	14
Other handlers, equipment cleaners, helpers, and laborers .....	4,048	3,756	3,206	3,045	2,481	2,313	841	711	760	607
Farming, forestry, and fishing .....	4,324	4,526	3,611	3,743	2,953	3,067	714	783	620	669
Farm operators and managers .....	1,563	1,553	1,364	1,358	1,337	1,337	199	195	196	192
Other farming, forestry, and fishing occupations .....	2,761	2,973	2,247	2,385	1,615	1,729	514	589	423	477

<sup>1</sup> Data for 1982 are not shown because they do not meet reliability standards for publication.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-22. Employed civilians by occupation, race, and sex**

(Percent distribution)

Occupation and race	Total		Men		Women	
	June 1982	June 1983	June 1982	June 1983	June 1982	June 1983
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	100,683	101,813	57,362	58,056	43,320	43,757
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	22.7	22.8	23.9	23.9	21.0	21.3
Executive, administrative, and managerial .....	10.5	10.5	12.6	12.6	7.8	7.7
Professional specialty .....	12.1	12.3	11.4	11.3	13.1	13.5
Technical, sales, and administrative support .....	30.5	30.6	19.0	19.0	45.8	46.0
Technicians and related support .....	3.0	2.9	2.9	2.6	3.0	3.2
Sales occupations .....	11.2	11.6	10.4	10.8	12.1	12.8
Administrative support, including clerical .....	16.4	16.1	5.6	5.6	30.7	30.0
Service occupations .....	13.6	13.7	9.5	9.8	19.1	18.9
Private household .....	1.0	1.0	( <sup>1</sup> )	.1	2.3	2.2
Protective service .....	1.6	1.7	2.5	2.6	.4	.6
Service, except private household and protective .....	11.0	11.0	6.9	7.2	16.4	16.1
Precision production, craft, and repair .....	11.9	12.2	19.4	19.7	2.0	2.3
Operators, fabricators, and laborers .....	17.0	16.2	21.9	21.1	10.5	9.8
Machine operators, assemblers, and inspectors .....	8.1	7.6	8.2	7.8	7.8	7.4
Transportation and material moving occupations .....	4.3	4.2	7.0	6.8	.7	.7
Handlers, equipment cleaners, helpers, and laborers .....	4.6	4.4	6.6	6.5	2.0	1.7
Farming, forestry, and fishing .....	4.3	4.4	6.3	6.4	1.6	1.8
<b>White</b>						
Total, 16 years and over (thousands) .....	89,068	89,890	51,341	51,847	37,727	38,042
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	23.6	23.6	25.1	24.9	21.6	21.8
Executive, administrative, and managerial .....	11.2	11.1	13.3	13.3	6.3	8.1
Professional specialty .....	12.4	12.5	11.6	11.6	13.3	13.7
Technical, sales, and administrative support .....	31.0	31.2	19.2	19.4	47.1	47.4
Technicians and related support .....	2.9	2.9	2.9	2.7	2.9	3.3
Sales occupations .....	11.7	12.2	11.0	11.3	12.8	13.5
Administrative support, including clerical .....	16.4	16.0	5.4	5.4	31.4	30.6
Service occupations .....	12.4	12.6	8.5	8.9	17.8	17.6
Private household .....	.8	.8	( <sup>1</sup> )	.1	1.9	1.8
Protective service .....	1.6	1.7	2.5	2.5	.4	.6
Service, except private household and protective .....	10.0	10.1	6.0	6.4	15.5	15.2
Precision production, craft, and repair .....	12.4	12.6	20.0	20.3	2.0	2.2
Operators, fabricators, and laborers .....	16.1	15.4	20.8	20.0	9.8	9.1
Machine operators, assemblers, and inspectors .....	7.6	7.2	7.9	7.5	7.3	6.8
Transportation and material moving occupations .....	4.1	4.0	6.7	6.4	.6	.7
Handlers, equipment cleaners, helpers, and laborers .....	4.3	4.1	6.1	6.0	1.9	1.6
Farming, forestry, and fishing .....	4.5	4.6	6.5	6.5	1.7	1.9
<b>Black</b>						
Total, 16 years and over (thousands) .....	9,211	9,389	4,684	4,829	4,527	4,560
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	( <sup>2</sup> )	14.2	( <sup>2</sup> )	11.9	( <sup>2</sup> )	16.6
Executive, administrative, and managerial .....	( <sup>2</sup> )	5.2	( <sup>2</sup> )	5.6	( <sup>2</sup> )	4.7
Professional specialty .....	( <sup>2</sup> )	9.0	( <sup>2</sup> )	6.3	( <sup>2</sup> )	11.8
Technical, sales, and administrative support .....	( <sup>2</sup> )	25.3	( <sup>2</sup> )	14.6	( <sup>2</sup> )	36.5
Technicians and related support .....	( <sup>2</sup> )	2.2	( <sup>2</sup> )	1.9	( <sup>2</sup> )	2.5
Sales occupations .....	( <sup>2</sup> )	6.1	( <sup>2</sup> )	5.2	( <sup>2</sup> )	7.0
Administrative support, including clerical .....	( <sup>2</sup> )	17.0	( <sup>2</sup> )	7.6	( <sup>2</sup> )	26.9
Service occupations .....	( <sup>2</sup> )	23.5	( <sup>2</sup> )	18.0	( <sup>2</sup> )	29.4
Private household .....	( <sup>2</sup> )	2.7	( <sup>2</sup> )	.1	( <sup>2</sup> )	5.5
Protective service .....	( <sup>2</sup> )	2.1	( <sup>2</sup> )	3.7	( <sup>2</sup> )	.5
Service, except private household and protective .....	( <sup>2</sup> )	18.7	( <sup>2</sup> )	14.1	( <sup>2</sup> )	23.4
Precision production, craft, and repair .....	( <sup>2</sup> )	8.7	( <sup>2</sup> )	14.9	( <sup>2</sup> )	2.2
Operators, fabricators, and laborers .....	( <sup>2</sup> )	24.9	( <sup>2</sup> )	34.5	( <sup>2</sup> )	14.7
Machine operators, assemblers, and inspectors .....	( <sup>2</sup> )	11.4	( <sup>2</sup> )	11.2	( <sup>2</sup> )	11.6
Transportation and material moving occupations .....	( <sup>2</sup> )	6.2	( <sup>2</sup> )	11.4	( <sup>2</sup> )	.8
Handlers, equipment cleaners, helpers, and laborers .....	( <sup>2</sup> )	7.2	( <sup>2</sup> )	11.9	( <sup>2</sup> )	2.3
Farming, forestry, and fishing .....	( <sup>2</sup> )	3.4	( <sup>2</sup> )	5.9	( <sup>2</sup> )	.7

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

<sup>2</sup> Data for 1982 are not shown because they do not meet reliability

standards for publication.



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

(In thousands)

Age and sex	June 1983								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self-employed workers	Unpaid family workers	Wage and salary workers	Self-employed workers	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over .....	89,938	1,375	15,142	73,421	7,530	368	1,911	1,716	349
16 to 19 years .....	6,681	429	509	5,744	89	40	390	47	93
16 to 17 years .....	2,401	298	186	1,917	52	22	185	31	45
18 to 19 years .....	4,280	130	323	3,827	37	18	205	16	48
20 to 24 years .....	13,267	146	1,290	11,830	347	31	413	96	45
25 to 34 years .....	25,786	189	4,145	21,453	1,844	69	520	334	44
35 to 44 years .....	19,070	139	3,988	14,944	1,975	88	248	291	50
45 to 54 years .....	13,665	159	2,898	10,608	1,516	80	162	347	51
55 to 64 years .....	9,512	192	1,979	7,342	1,167	44	131	371	42
55 to 59 years .....	5,827	96	1,230	4,501	671	30	76	190	25
60 to 64 years .....	3,685	96	748	2,841	496	15	55	180	16
65 years and over .....	1,956	123	334	1,500	592	15	47	231	25
Men, 16 years and over .....	49,742	308	7,537	41,897	5,135	58	1,527	1,478	115
16 to 19 years .....	3,453	164	246	3,043	62	25	321	44	74
16 to 17 years .....	1,251	111	101	1,038	40	17	152	29	38
18 to 19 years .....	2,202	53	145	2,004	22	7	169	15	36
20 to 24 years .....	6,990	50	587	6,353	252	7	340	79	27
25 to 34 years .....	14,348	51	1,988	12,310	1,225	9	416	279	3
35 to 44 years .....	10,706	14	2,011	8,681	1,318	3	176	245	1
45 to 54 years .....	7,716	7	1,497	6,211	1,048	4	132	284	-
55 to 64 years .....	5,461	7	1,027	4,428	820	6	99	332	2
55 to 59 years .....	3,404	3	648	2,754	469	1	54	170	-
60 to 64 years .....	2,057	4	379	1,674	350	5	45	162	2
65 years and over .....	1,067	14	181	872	410	4	44	215	9
Women, 16 years and over .....	40,196	1,067	7,605	31,524	2,396	311	383	238	234
16 to 19 years .....	3,228	264	263	2,701	27	16	69	3	19
16 to 17 years .....	1,150	187	85	878	12	5	33	2	7
18 to 19 years .....	2,078	77	178	1,823	15	11	36	1	12
20 to 24 years .....	6,277	96	703	5,477	95	24	73	18	18
25 to 34 years .....	11,438	137	2,157	9,143	618	61	104	55	41
35 to 44 years .....	8,364	124	1,977	6,263	657	86	72	46	50
45 to 54 years .....	5,949	151	1,401	4,397	468	76	30	62	51
55 to 64 years .....	4,051	185	952	2,914	347	38	32	39	39
55 to 59 years .....	2,423	93	583	1,748	201	29	22	20	25
60 to 64 years .....	1,628	92	369	1,167	145	9	10	18	14
65 years and over .....	889	108	153	627	183	11	3	15	16

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-24. Employed civilians by industry and occupation**

(In thousands)

Industry	June 1983												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service <sup>1</sup>		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture .....	3,977	61	53	27	13	107	-	18	66	1	49	24	3,557
Mining .....	966	127	125	30	13	131	-	6	317	23	153	37	3
Construction .....	6,568	670	123	61	51	398	-	61	3,688	86	506	889	34
Manufacturing .....	20,120	1,993	1,546	683	690	2,437	-	389	3,745	8,625	850	1,043	118
Durable goods .....	11,860	1,205	1,069	483	286	1,387	-	227	2,613	3,523	439	517	111
Nondurable goods .....	8,259	788	477	200	405	1,049	-	164	1,132	3,102	411	526	6
Transportation and public utilities .....	7,069	667	358	265	238	2,023	-	236	1,224	120	1,469	452	16
Wholesale and retail trade .....	21,337	1,714	355	73	8,701	2,124	-	4,214	1,412	275	783	1,659	27
Wholesale trade .....	4,329	528	66	35	1,635	837	-	53	325	144	414	288	6
Retail trade .....	17,009	1,186	289	38	7,066	1,287	-	4,161	1,087	131	369	1,371	21
Finance, insurance, and real estate .....	6,454	1,417	148	104	1,482	2,801	-	287	87	20	17	9	84
Services .....	30,532	3,101	9,159	1,545	637	4,983	990	6,591	1,665	588	368	318	587
Private households .....	1,391	4	7	22	3	15	990	64	20	1	10	29	225
Other service industries .....	29,141	3,097	9,152	1,523	634	4,968	-	6,527	1,645	586	357	289	363
Professional services .....	19,890	1,790	8,221	1,288	118	3,677	-	3,889	396	147	171	80	116
Public administration .....	4,791	975	607	162	22	1,369	-	1,180	216	38	60	63	99

<sup>1</sup> Includes protective service, not shown separately.

NOTE: Detail may not add to totals because of changes in the estimation procedures.

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

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	June 1982	June 1983	Total		Wage and salary workers <sup>1</sup>			
			June 1982	June 1983	Paid absences		Unpaid absences	
					June 1982	June 1983	June 1982	June 1983
Total, 16 years and over .....	6,373	7,544	6,267	7,443	3,517	4,224	2,204	2,611
Vacation .....	4,058	5,172	4,035	5,133	2,748	3,485	1,053	1,389
Illness .....	1,285	1,266	1,261	1,237	568	505	587	843
Bad weather .....	79	33	46	22	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Industrial dispute .....	37	30	37	30	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
All other reasons .....	914	1,043	888	1,020	201	234	564	579
Men, 16 years and over .....	3,103	3,327	3,020	3,247	1,874	2,074	854	880
Vacation .....	1,865	2,155	1,847	2,125	1,434	1,675	304	330
Illness .....	710	892	695	866	347	282	293	345
All other reasons <sup>3</sup> .....	529	480	478	456	92	117	257	205
Women, 16 years and over .....	3,271	4,216	3,247	4,195	1,642	2,150	1,350	1,730
Vacation .....	2,193	3,017	2,188	3,008	1,312	1,809	749	1,059
Illness .....	576	574	566	571	221	223	293	298
All other reasons <sup>3</sup> .....	501	626	492	616	109	118	308	373

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

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

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

Hours of work	June 1983					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	94,269	3,876	90,394	100.0	100.0	100.0
1 to 34 hours .....	22,834	1,044	21,790	24.2	26.9	24.1
1 to 4 hours .....	807	72	735	.9	1.9	.8
5 to 14 hours .....	3,905	250	3,655	4.1	6.5	4.0
15 to 29 hours .....	11,378	495	10,883	12.1	12.8	12.0
30 to 34 hours .....	6,744	227	6,517	7.2	5.9	7.2
35 hours and over .....	71,436	2,831	68,604	75.8	73.1	75.9
35 to 39 hours .....	6,939	149	6,789	7.4	3.8	7.5
40 hours .....	40,628	650	39,978	43.1	16.8	44.2
41 hours and over .....	23,869	2,032	21,837	25.3	52.4	24.2
41 to 48 hours .....	8,885	265	8,620	9.4	6.8	9.5
49 to 59 hours .....	8,235	515	7,720	8.7	13.3	8.5
60 hours and over .....	6,749	1,252	5,497	7.2	32.3	6.1
Average hours, total at work .....	38.8	46.7	38.5	-	-	-
Average hours, workers on full-time schedules .....	43.2	55.0	42.7	-	-	-

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

(Numbers in thousands)

Reason for working less than 35 hours	June 1983					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over .....	22,834	6,824	16,010	21,790	6,552	15,238
Economic reasons .....	8,908	1,969	4,939	6,593	1,886	4,707
Slack work .....	2,705	1,487	1,218	2,581	1,417	1,164
Material shortages or repairs to plant and equipment .....	68	68	-	66	66	-
New job started during week .....	269	269	-	262	262	-
Job terminated during week .....	146	146	-	142	142	-
Could find only part-time work .....	3,721	-	3,721	3,543	-	3,543
Other reasons .....	15,926	4,855	11,071	15,196	4,665	10,531
Does not want, or unavailable for, full-time work .....	8,862	-	8,862	8,482	-	8,482
Vacation .....	1,797	1,797	-	1,769	1,769	-
Illness .....	1,315	1,168	147	1,259	1,138	121
Bad weather .....	258	258	-	182	182	-
Industrial dispute .....	15	15	-	15	15	-
Legal or religious holiday .....	81	81	-	78	78	-
Full time for this job .....	1,528	-	1,528	1,465	-	1,465
All other reasons .....	2,071	1,537	534	1,947	1,484	463
Average hours:						
Economic reasons .....	21.3	24.2	20.1	21.4	24.3	20.3
Other reasons .....	21.6	25.7	19.8	21.7	25.8	19.9
Worked 30 to 34 hours:						
Economic reasons .....	2,025	886	1,139	1,978	867	1,111
Other reasons .....	4,719	2,428	2,291	4,539	2,350	2,189

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-28. Persons at work in nonagricultural industries by class of worker and full- or part-time status**

(Numbers in thousands)

Industry	June 1983								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over .....	90,394	8,593	10,531	73,270	51,433	8,820	13,217	38.5	42.7
Wage and salary workers .....	83,042	5,929	9,190	67,923	48,914	8,066	10,943	38.3	42.2
Mining .....	834	42	14	778	185	102	183	44.1	45.7
Construction .....	5,131	439	194	4,498	3,192	468	838	40.1	42.7
Manufacturing .....	18,820	728	500	17,394	12,444	2,578	2,372	40.9	42.2
Durable goods .....	10,986	288	204	10,494	7,478	1,539	1,477	41.5	42.3
Nondurable goods .....	7,834	438	296	8,900	4,967	1,038	895	40.2	42.0
Transportation and public utilities .....	6,205	228	288	5,689	4,048	724	919	40.8	42.7
Wholesale and retail trade .....	18,291	2,327	3,447	12,517	8,248	1,680	2,589	36.2	43.0
Finance, insurance, and real estate .....	5,598	128	440	5,030	3,840	476	714	39.5	41.4
Service industries .....	23,870	1,931	4,095	17,844	13,376	1,642	2,826	38.1	41.8
Private households .....	1,314	380	522	412	297	36	79	23.0	43.3
All other industries .....	22,558	1,551	3,573	17,432	13,079	1,606	2,747	36.9	41.8
Public administration .....	4,495	105	212	4,178	3,281	396	501	39.9	41.5
Self-employed workers .....	6,983	644	1,184	5,155	2,399	541	2,215	40.3	48.2
Unpaid family workers .....	368	21	156	191	119	13	59	34.2	44.3

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**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	June 1983							
	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>								
Total, 16 years and over .....	90,394	6,593	10,531	73,270	51,433	21,837	38.5	42.7
16 to 19 years .....	6,537	1,590	2,184	2,763	2,195	568	28.2	40.8
16 to 17 years .....	2,376	662	1,131	583	476	107	22.5	39.4
18 to 19 years .....	4,161	928	1,054	2,179	1,717	462	31.4	41.2
20 years and over .....	83,857	5,003	8,347	70,507	49,239	21,268	39.3	42.7
20 to 24 years .....	13,007	1,457	1,391	10,159	7,543	2,616	37.2	41.6
25 years and over .....	70,850	3,546	6,955	60,349	41,697	18,652	39.7	42.9
25 to 44 years .....	44,856	2,345	3,629	38,882	26,440	12,442	40.1	43.0
45 to 64 years .....	23,658	1,105	2,211	20,342	14,480	5,862	39.7	42.8
65 years and over .....	2,336	98	1,116	1,122	773	349	30.3	43.7
Men, 16 years and over .....	51,687	3,142	3,079	45,466	28,938	16,528	41.2	44.1
16 to 19 years .....	3,416	813	1,041	1,562	1,198	364	29.0	41.2
16 to 17 years .....	1,261	357	573	331	255	76	22.8	( <sup>1</sup> )
18 to 19 years .....	2,156	456	468	1,232	943	289	32.5	41.5
20 years and over .....	48,271	2,330	2,037	43,904	27,742	16,162	42.1	44.2
20 to 24 years .....	6,992	690	545	5,757	3,942	1,815	39.0	42.8
25 years and over .....	41,280	1,640	1,492	38,148	23,800	14,348	42.6	44.4
25 to 44 years .....	25,958	1,084	525	24,349	14,803	9,546	43.1	44.5
45 to 64 years .....	13,944	511	384	13,049	8,509	4,540	42.7	44.1
65 years and over .....	1,378	46	584	748	485	263	32.5	44.6
Women, 16 years and over .....	38,707	3,450	7,453	27,804	22,496	5,308	34.8	40.4
16 to 19 years .....	3,120	778	1,143	1,199	996	203	27.3	40.3
16 to 17 years .....	1,115	304	557	254	222	32	22.1	38.5
18 to 19 years .....	2,006	473	585	948	776	172	30.2	40.8
20 years and over .....	35,586	2,673	6,310	26,603	21,498	5,105	35.4	40.4
20 to 24 years .....	6,015	767	846	4,402	3,603	799	35.1	40.0
25 years and over .....	29,572	1,907	5,464	22,201	17,896	4,305	35.5	40.5
25 to 44 years .....	18,899	1,261	3,104	14,534	11,638	2,896	35.9	40.5
45 to 64 years .....	9,714	594	1,827	7,293	5,970	1,323	35.5	40.4
65 years and over .....	959	52	533	374	288	86	27.2	41.8
<b>RACE</b>								
White, 16 years and over .....	79,651	5,468	9,645	64,538	44,226	20,312	38.6	42.9
Men .....	46,062	2,593	2,799	40,670	25,209	15,461	41.5	44.3
Women .....	33,590	2,875	6,847	23,868	19,017	4,851	34.7	40.5
Black, 16 years and over .....	8,428	962	627	6,839	5,756	1,083	36.8	40.5
Men .....	4,363	469	189	3,705	2,948	757	38.2	41.4
Women .....	4,065	493	438	3,134	2,809	325	35.2	39.5
<b>MARITAL STATUS</b>								
Men, 16 years and over:								
Married, spouse present .....	33,849	1,131	1,021	31,697	19,390	12,307	43.1	44.5
Widowed, divorced, or separated .....	4,595	291	226	4,078	2,602	1,476	41.6	44.4
Single (never married) .....	13,242	1,721	1,832	9,689	6,945	2,744	36.4	42.4
Women, 16 years and over:								
Married, spouse present .....	20,526	1,430	4,555	14,541	11,963	2,578	34.4	40.1
Widowed, divorced, or separated .....	7,549	561	897	6,091	4,712	1,379	37.1	41.1
Single (never married) .....	10,632	1,459	2,000	7,173	5,821	1,352	33.9	40.3

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Occupation and sex	June 1983								
	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>89,875</b>	<b>6,423</b>	<b>10,427</b>	<b>73,025</b>	<b>51,114</b>	<b>8,626</b>	<b>13,265</b>	<b>38.8</b>	<b>42.7</b>
<b>Managerial and professional specialty</b> .....	<b>20,446</b>	<b>544</b>	<b>1,851</b>	<b>18,252</b>	<b>11,473</b>	<b>2,080</b>	<b>4,698</b>	<b>41.4</b>	<b>44.0</b>
Executive, administrative, and managerial .....	10,104	175	448	9,481	5,524	1,208	2,750	43.6	45.0
Professional specialty .....	10,342	389	1,203	8,770	5,949	872	1,949	39.3	42.8
<b>Technical, sales, and administrative support</b> .....	<b>29,268</b>	<b>1,712</b>	<b>4,397</b>	<b>23,160</b>	<b>17,142</b>	<b>2,477</b>	<b>3,541</b>	<b>37.4</b>	<b>41.8</b>
Technicians and related support .....	2,770	85	268	2,436	1,864	261	312	39.4	41.7
Sales occupations .....	11,227	1,018	2,002	8,207	4,691	1,132	2,384	38.1	44.6
Administrative support, including clerical .....	15,271	628	2,127	12,517	10,587	1,084	645	36.5	40.0
<b>Service occupations</b> .....	<b>13,059</b>	<b>2,021</b>	<b>3,113</b>	<b>7,925</b>	<b>5,926</b>	<b>799</b>	<b>1,200</b>	<b>33.4</b>	<b>42.2</b>
Private household .....	934	225	401	308	225	28	55	24.0	42.6
Protective service .....	1,641	77	127	1,437	875	222	341	42.1	45.0
Service, except private household and protective .....	10,485	1,718	2,586	6,180	4,827	549	805	32.9	41.5
<b>Precision production, craft, and repair</b> .....	<b>11,724</b>	<b>734</b>	<b>362</b>	<b>10,628</b>	<b>7,347</b>	<b>1,417</b>	<b>1,864</b>	<b>41.0</b>	<b>43.0</b>
<b>Operators, fabricators, and laborers</b> .....	<b>15,377</b>	<b>1,413</b>	<b>903</b>	<b>13,060</b>	<b>9,226</b>	<b>1,854</b>	<b>1,981</b>	<b>39.5</b>	<b>42.5</b>
Machine operators, assemblers, and inspectors .....	7,309	512	242	6,555	4,649	1,025	660	39.6	41.6
Transportation and material moving occupations .....	3,834	272	188	3,394	1,988	468	939	42.6	45.2
Handlers, equipment cleaners, helpers, and laborers .....	4,234	628	494	3,112	2,366	361	363	36.0	41.5
<b>Men, 16 years and over</b> .....	<b>51,102</b>	<b>2,978</b>	<b>2,935</b>	<b>45,189</b>	<b>28,600</b>	<b>5,850</b>	<b>10,740</b>	<b>41.4</b>	<b>44.1</b>
<b>Managerial and professional specialty</b> .....	<b>12,891</b>	<b>286</b>	<b>481</b>	<b>12,123</b>	<b>6,857</b>	<b>1,412</b>	<b>3,854</b>	<b>44.0</b>	<b>45.5</b>
Executive, administrative, and managerial .....	6,986	111	188	6,890	3,513	882	2,294	45.3	46.3
Professional specialty .....	5,903	175	294	5,434	3,343	530	1,560	42.6	44.6
<b>Technical, sales, and administrative support</b> .....	<b>10,537</b>	<b>353</b>	<b>768</b>	<b>9,418</b>	<b>5,590</b>	<b>1,253</b>	<b>2,574</b>	<b>42.0</b>	<b>44.6</b>
Technicians and related support .....	1,442	21	55	1,365	997	153	215	41.3	42.4
Sales occupations .....	6,017	238	481	5,300	2,538	780	1,982	43.4	46.6
Administrative support, including clerical .....	3,078	96	231	2,751	2,054	320	377	39.7	41.9
<b>Service occupations</b> .....	<b>5,436</b>	<b>676</b>	<b>815</b>	<b>3,945</b>	<b>2,737</b>	<b>437</b>	<b>771</b>	<b>37.1</b>	<b>43.4</b>
Private household .....	32	17	6	9	6	-	4	( <sup>1</sup> )	( <sup>1</sup> )
Protective service .....	1,410	55	68	1,289	781	197	331	43.6	45.5
Service, except private household and protective .....	3,994	604	743	2,647	1,970	240	436	34.9	42.4
<b>Precision production, craft, and repair</b> .....	<b>10,604</b>	<b>676</b>	<b>270</b>	<b>9,858</b>	<b>6,746</b>	<b>1,323</b>	<b>1,789</b>	<b>41.2</b>	<b>43.2</b>
<b>Operators, fabricators, and laborers</b> .....	<b>11,435</b>	<b>987</b>	<b>600</b>	<b>9,647</b>	<b>6,670</b>	<b>1,425</b>	<b>1,752</b>	<b>40.2</b>	<b>43.2</b>
Machine operators, assemblers, and inspectors .....	4,271	206	87	3,976	2,794	666	516	41.1	42.3
Transportation and material moving occupations .....	3,603	243	126	3,234	1,871	449	914	43.0	45.4
Handlers, equipment cleaners, helpers, and laborers .....	3,560	536	388	2,636	2,005	309	322	36.3	41.8
<b>Women, 16 years and over</b> .....	<b>38,772</b>	<b>3,445</b>	<b>7,492</b>	<b>27,836</b>	<b>22,515</b>	<b>2,776</b>	<b>2,545</b>	<b>34.8</b>	<b>40.4</b>
<b>Managerial and professional specialty</b> .....	<b>7,556</b>	<b>258</b>	<b>1,169</b>	<b>6,128</b>	<b>4,617</b>	<b>667</b>	<b>844</b>	<b>36.9</b>	<b>40.9</b>
Executive, administrative, and managerial .....	3,118	64	260	2,792	2,011	325	456	39.6	42.0
Professional specialty .....	4,439	194	909	3,337	2,806	342	389	34.9	39.9
<b>Technical, sales, and administrative support</b> .....	<b>18,731</b>	<b>1,359</b>	<b>3,629</b>	<b>13,744</b>	<b>11,553</b>	<b>1,224</b>	<b>967</b>	<b>34.6</b>	<b>39.9</b>
Technicians and related support .....	1,328	44	213	1,071	867	106	97	37.3	40.9
Sales occupations .....	5,210	783	1,520	2,907	2,153	353	402	32.0	41.0
Administrative support, including clerical .....	12,193	532	1,896	9,765	8,533	764	468	35.8	39.5
<b>Service occupations</b> .....	<b>7,624</b>	<b>1,345</b>	<b>2,299</b>	<b>3,980</b>	<b>3,189</b>	<b>362</b>	<b>429</b>	<b>30.8</b>	<b>40.9</b>
Private household .....	902	206	395	299	219	29	51	24.0	42.4
Protective service .....	231	22	61	148	114	25	10	32.8	40.3
Service, except private household and protective .....	6,491	1,114	1,844	3,534	2,656	308	369	31.7	40.8
<b>Precision production, craft, and repair</b> .....	<b>920</b>	<b>58</b>	<b>92</b>	<b>770</b>	<b>601</b>	<b>95</b>	<b>75</b>	<b>38.0</b>	<b>41.0</b>
<b>Operators, fabricators, and laborers</b> .....	<b>3,942</b>	<b>426</b>	<b>303</b>	<b>3,214</b>	<b>2,555</b>	<b>429</b>	<b>229</b>	<b>37.3</b>	<b>40.6</b>
Machine operators, assemblers, and inspectors .....	3,038	304	155	2,578	2,056	359	164	36.0	40.4
Transportation and material moving occupations .....	231	29	43	180	117	16	25	35.5	41.6
Handlers, equipment cleaners, helpers, and laborers .....	873	92	106	475	383	52	40	34.8	40.9

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-31. Employment status of the noninstitutional population, including Armed forces stationed in the United States, by sex, seasonally adjusted**

(Numbers in thousands)

Employment status and sex	1982							1983					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
<b>TOTAL</b>													
Noninstitutional population <sup>1</sup> .....	173,854	174,038	174,200	174,360	174,549	174,718	174,864	175,021	175,169	175,320	175,465	175,622	175,793
Labor force <sup>1</sup> .....	111,811	112,080	112,303	112,528	112,420	112,702	112,794	112,215	112,217	112,148	112,457	112,418	113,600
Percent of population <sup>2</sup> .....	64.3	64.4	64.5	64.5	64.4	64.5	64.5	64.1	64.1	64.0	64.1	64.0	64.6
Total employed <sup>1</sup> .....	101,345	101,262	101,372	101,213	100,844	100,796	100,758	100,770	100,727	100,767	101,129	101,226	102,454
Employment-population ratio <sup>3</sup> .....	58.3	58.2	58.2	58.0	57.8	57.7	57.6	57.8	57.5	57.5	57.6	57.6	58.3
Resident Armed Forces .....	1,664	1,674	1,689	1,670	1,668	1,660	1,665	1,667	1,664	1,664	1,671	1,669	1,668
Civilian employed .....	99,681	99,588	99,683	99,543	99,176	99,136	99,093	99,103	99,063	99,103	99,456	99,557	100,786
Agriculture .....	3,371	3,445	3,429	3,363	3,413	3,466	3,411	3,412	3,393	3,375	3,371	3,367	3,522
Nonagricultural industries .....	96,310	96,143	96,254	96,180	95,763	95,670	95,682	95,691	95,670	95,729	96,088	96,190	97,264
Unemployed .....	10,466	10,828	10,931	11,315	11,576	11,906	12,036	11,448	11,490	11,381	11,326	11,192	11,146
Unemployment rate <sup>4</sup> .....	9.4	9.7	9.7	10.1	10.3	10.6	10.7	10.2	10.2	10.1	10.1	10.1	9.8
Not in labor force .....	62,043	61,946	61,897	61,832	62,129	62,016	62,070	62,806	62,952	63,172	63,008	63,204	62,193
<b>Men</b>													
Noninstitutional population <sup>1</sup> .....	83,006	83,097	83,173	83,231	83,323	83,402	83,581	83,652	83,720	83,789	83,856	83,931	84,014
Labor force <sup>1</sup> .....	63,651	63,898	64,055	64,301	64,300	64,414	64,364	63,916	63,996	63,957	64,207	64,276	64,816
Percent of population <sup>2</sup> .....	76.9	76.9	77.0	77.3	77.2	77.2	77.0	76.4	76.4	76.3	76.6	76.6	77.1
Total employed <sup>1</sup> .....	57,775	57,684	57,710	57,598	57,456	57,408	57,338	57,283	57,234	57,300	57,476	57,656	58,464
Employment-population ratio <sup>3</sup> .....	69.6	69.4	69.4	69.2	69.0	68.8	68.6	68.5	68.4	68.4	68.5	68.7	69.6
Resident Armed Forces .....	1,526	1,537	1,551	1,526	1,524	1,516	1,529	1,531	1,528	1,528	1,530	1,528	1,525
Civilian employed .....	56,249	56,127	56,159	56,072	55,932	55,892	55,809	55,752	55,706	55,772	55,946	56,128	56,939
Unemployed .....	6,076	6,234	6,345	6,703	6,844	7,006	7,046	6,633	6,762	6,657	6,731	6,620	6,351
Unemployment rate <sup>4</sup> .....	9.5	9.8	9.9	10.4	10.6	10.9	10.9	10.4	10.6	10.4	10.5	10.3	9.8
Not in labor force .....	19,155	19,199	19,118	18,930	19,023	18,988	19,197	19,736	19,724	19,832	19,649	19,655	19,198
<b>Women</b>													
Noninstitutional population <sup>1</sup> .....	90,848	90,941	91,027	91,129	91,226	91,316	91,283	91,369	91,449	91,532	91,609	91,691	91,779
Labor force <sup>1</sup> .....	47,960	48,192	48,248	48,227	48,120	48,288	48,410	48,299	48,220	48,191	48,251	48,142	48,784
Percent of population <sup>2</sup> .....	52.8	53.0	53.0	52.9	52.7	52.9	53.0	52.9	52.7	52.6	52.7	52.5	53.2
Total employed <sup>1</sup> .....	43,570	43,598	43,662	43,815	43,388	43,388	43,420	43,486	43,493	43,467	43,853	43,569	43,990
Employment-population ratio <sup>3</sup> .....	48.0	47.9	48.0	47.9	47.8	47.5	47.6	47.8	47.6	47.5	47.7	47.5	47.9
Resident Armed Forces .....	138	137	138	144	144	144	138	138	136	136	141	141	143
Civilian employed .....	43,432	43,461	43,524	43,471	43,244	43,244	43,284	43,350	43,357	43,331	43,512	43,428	43,847
Unemployed .....	4,390	4,594	4,586	4,612	4,732	4,900	4,990	4,813	4,727	4,724	4,597	4,572	4,795
Unemployment rate <sup>4</sup> .....	9.2	9.5	9.5	9.6	9.8	10.1	10.3	10.0	9.8	9.8	9.5	9.5	9.8
Not in labor force .....	42,888	42,749	42,779	42,902	43,106	43,028	42,873	43,070	43,229	43,341	43,358	43,549	42,995

<sup>1</sup> Includes members of the Armed Forces stationed in the United States.

<sup>2</sup> Labor force as a percent of the noninstitutional population.

<sup>3</sup> Total employment as a percent of the noninstitutional population.

<sup>4</sup> Unemployment as a percent of the labor force (including the resident

Armed Forces).

NOTE: The population and Armed Forces figures are not adjusted for seasonal variation. Detail for the seasonally adjusted data shown in tables A-31 through A-40 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-32. Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted**

(Numbers in thousands)

Employment status, sex, and age	1982							1983					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
<b>TOTAL</b>													
Civilian noninstitutional population <sup>1</sup> .....	172,190	172,364	172,511	172,690	172,881	173,058	173,199	173,354	173,505	173,656	173,794	173,953	174,125
Civilian labor force .....	110,147	110,416	110,614	110,858	110,752	111,042	111,129	110,548	110,553	110,484	110,786	110,749	111,932
Percent of population .....	64.0	64.1	64.1	64.2	64.1	64.2	64.2	63.8	63.7	63.6	63.7	63.7	64.3
Employed .....	99,881	99,588	99,883	99,543	99,176	99,136	99,093	99,103	99,063	99,103	99,458	99,557	100,786
Employment-population ratio <sup>2</sup> .....	57.9	57.8	57.8	57.6	57.4	57.3	57.2	57.2	57.1	57.1	57.2	57.2	57.9
Unemployed .....	10,466	10,828	10,931	11,315	11,576	11,906	12,036	11,446	11,490	11,381	11,328	11,192	11,146
Unemployment rate .....	9.5	9.8	9.9	10.2	10.5	10.7	10.8	10.4	10.4	10.3	10.2	10.1	10.0
<b>Men, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	73,585	73,685	73,774	73,867	73,984	74,094	74,236	74,339	74,434	74,528	74,811	74,712	74,814
Civilian labor force .....	57,959	58,055	58,064	58,354	58,363	58,454	58,443	58,048	58,177	58,170	58,454	58,506	58,804
Percent of population .....	78.8	78.8	78.7	79.0	78.9	78.9	78.7	78.1	78.2	78.1	78.3	78.3	78.6
Employed .....	52,943	52,905	52,832	52,778	52,649	52,589	52,534	52,452	52,428	52,589	52,752	52,901	53,516
Employment-population ratio <sup>2</sup> .....	71.9	71.8	71.6	71.4	71.2	71.0	70.8	70.6	70.4	70.6	70.7	70.8	71.5
Agriculture .....	2,424	2,462	2,433	2,436	2,444	2,434	2,389	2,426	2,374	2,420	2,404	2,443	2,529
Nonagricultural industries .....	50,519	50,443	50,399	50,340	50,205	50,155	50,145	50,025	50,054	50,169	50,348	50,458	50,987
Unemployed .....	5,016	5,150	5,232	5,578	5,714	5,885	5,909	5,597	5,749	5,581	5,702	5,605	5,288
Unemployment rate .....	8.7	8.9	9.0	9.8	9.8	10.0	10.1	9.6	9.9	9.6	9.8	9.6	9.0
Not in labor force .....	15,626	15,630	15,710	15,513	15,621	15,640	15,793	16,291	16,257	16,358	16,157	16,206	18,010
<b>Women, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	82,811	82,926	83,035	83,152	83,271	83,385	83,383	83,490	83,593	83,699	83,794	83,899	84,008
Civilian labor force .....	43,819	43,983	44,039	43,996	43,936	44,112	44,286	44,201	44,216	44,166	44,238	44,228	44,648
Percent of population .....	52.9	53.0	53.0	52.9	52.8	52.9	53.1	52.9	52.9	52.8	52.8	52.7	53.1
Employed .....	40,254	40,311	40,368	40,286	40,112	40,123	40,215	40,238	40,291	40,277	40,509	40,484	40,789
Employment-population ratio <sup>2</sup> .....	48.6	48.6	48.6	48.4	48.2	48.1	48.2	48.2	48.2	48.1	48.3	48.3	48.6
Agriculture .....	588	598	590	588	578	590	628	625	657	647	622	597	636
Nonagricultural industries .....	39,666	39,713	39,778	39,698	39,534	39,533	39,587	39,613	39,634	39,630	39,886	39,887	40,153
Unemployed .....	3,565	3,672	3,671	3,710	3,824	3,989	4,071	3,983	3,925	3,889	3,729	3,744	3,859
Unemployment rate .....	8.1	8.3	8.3	8.4	8.7	9.0	9.2	9.0	8.9	8.8	8.4	8.5	8.6
Not in labor force .....	38,992	38,943	38,996	39,156	39,335	39,273	39,097	39,289	39,377	39,533	39,556	39,671	39,360
<b>Both sexes, 16 to 19 years</b>													
Civilian noninstitutional population <sup>1</sup> .....	15,794	15,753	15,702	15,671	15,625	15,579	15,580	15,525	15,478	15,429	15,389	15,342	15,303
Civilian labor force .....	8,369	8,378	8,511	8,508	8,453	8,476	8,400	8,299	8,160	8,146	8,094	8,015	8,480
Percent of population .....	53.0	53.2	54.2	54.3	54.1	54.4	53.9	53.5	52.7	52.8	52.6	52.2	55.4
Employed .....	6,484	6,372	6,463	6,481	6,415	6,424	6,344	6,413	6,345	6,237	6,197	6,172	6,481
Employment-population ratio <sup>2</sup> .....	41.1	40.4	41.3	41.4	41.1	41.2	40.7	41.3	41.0	40.4	40.3	40.2	42.4
Agriculture .....	361	385	406	339	391	442	394	361	362	308	344	327	357
Nonagricultural industries .....	6,123	5,987	6,077	6,142	6,024	5,982	5,950	6,052	5,983	5,929	5,853	5,845	6,124
Unemployed .....	1,885	2,006	2,028	2,027	2,038	2,052	2,056	1,886	1,815	1,911	1,897	1,843	1,999
Unemployment rate .....	22.5	23.9	23.8	23.8	.1	24.2	24.5	22.7	22.2	23.5	23.4	23.0	23.6
Not in labor force .....	7,425	7,375	7,191	7,163	7,172	7,103	7,180	7,226	7,318	7,281	7,295	7,327	6,823

<sup>1</sup> The population figures are not adjusted for seasonal variation.

<sup>2</sup> Civilian employment as a percent of the civilian noninstitutional population.



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1982							1983					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
<b>WHITE</b>													
Civilian noninstitutional population <sup>1</sup> .....	149,429	149,569	149,536	149,652	149,838	149,867	150,056	150,129	150,187	150,362	150,518	150,671	150,810
Civilian labor force .....	96,165	96,385	96,375	96,640	96,453	96,719	96,864	96,176	95,987	95,996	96,287	96,362	97,250
Percent of population .....	64.4	64.4	64.4	64.8	64.4	64.5	64.6	64.1	63.9	63.8	64.0	64.0	64.5
Employed .....	88,069	88,021	87,979	87,872	87,477	87,435	87,443	87,466	87,194	87,324	87,709	87,777	88,680
Employment-population ratio <sup>2</sup> .....	59.0	58.8	58.8	58.7	58.4	58.3	58.3	58.3	58.1	58.1	58.3	58.3	58.9
Unemployed .....	8,078	8,364	8,396	8,768	8,976	9,284	9,421	8,711	8,793	8,672	8,577	8,585	8,370
Unemployment rate .....	8.4	8.7	8.7	9.1	9.3	9.8	9.7	9.1	9.2	9.0	8.9	8.9	8.6
<b>Men, 20 years and over</b>													
Civilian labor force .....	51,213	51,252	51,260	51,517	51,499	51,531	51,582	51,033	51,151	51,214	51,459	51,589	51,771
Percent of population .....	79.2	79.2	79.1	79.5	79.4	79.4	79.3	78.4	78.5	78.4	78.7	78.7	78.9
Employed .....	47,268	47,194	47,142	47,100	46,987	46,837	46,823	46,752	46,682	46,883	47,049	47,150	47,710
Employment-population ratio <sup>2</sup> .....	73.1	72.9	72.8	72.7	72.4	72.1	72.0	71.8	71.8	71.8	71.9	72.0	72.7
Unemployed .....	3,945	4,058	4,118	4,417	4,512	4,694	4,739	4,281	4,469	4,332	4,409	4,440	4,060
Unemployment rate .....	7.7	7.9	8.0	8.6	8.8	9.1	9.2	8.4	8.7	8.5	8.6	8.6	7.8
<b>Women, 20 years and over</b>													
Civilian labor force .....	37,529	37,750	37,658	37,676	37,532	37,762	37,934	37,794	37,588	37,509	37,683	37,703	38,124
Percent of population .....	52.4	52.6	52.5	52.4	52.1	52.4	52.6	52.4	52.1	51.9	52.1	52.0	52.6
Employed .....	34,857	34,986	34,929	34,865	34,683	34,749	34,847	34,834	34,695	34,723	34,972	34,961	35,287
Employment-population ratio <sup>2</sup> .....	48.8	48.8	48.7	48.5	48.1	48.2	48.3	48.3	48.1	48.0	48.3	48.3	48.6
Unemployed .....	2,672	2,764	2,729	2,811	2,869	3,013	3,087	2,960	2,893	2,787	2,711	2,742	2,837
Unemployment rate .....	7.1	7.3	7.2	7.5	7.6	8.0	8.1	7.8	7.7	7.4	7.2	7.3	7.4
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	7,423	7,383	7,457	7,447	7,422	7,426	7,368	7,349	7,248	7,273	7,145	7,069	7,355
Percent of population .....	58.6	58.5	57.3	57.4	57.3	57.5	57.1	57.1	56.5	56.9	56.0	55.7	58.2
Employed .....	5,964	5,841	5,908	5,907	5,827	5,849	5,773	5,880	5,817	5,719	5,888	5,866	5,883
Employment-population ratio <sup>2</sup> .....	45.5	44.7	45.4	45.5	45.0	45.3	44.8	45.7	45.4	44.8	44.6	44.6	46.5
Unemployed .....	1,459	1,542	1,549	1,540	1,595	1,577	1,595	1,469	1,431	1,554	1,457	1,403	1,472
Unemployment rate .....	19.7	20.9	20.8	20.7	21.5	21.2	21.6	20.0	19.7	21.4	20.4	19.8	20.0
Men .....	21.2	22.5	22.5	22.2	23.0	22.6	22.8	21.2	21.1	22.9	21.7	20.2	19.8
Women .....	18.0	19.1	18.9	19.1	19.9	19.8	20.4	18.7	18.2	19.7	19.0	19.4	20.2
<b>BLACK</b>													
Civilian noninstitutional population <sup>1</sup> .....	18,570	18,600	18,826	18,659	18,692	18,723	18,740	18,768	18,796	18,823	18,851	18,880	18,911
Civilian labor force .....	11,287	11,341	11,400	11,443	11,398	11,475	11,522	11,542	11,548	11,554	11,631	11,872	11,783
Percent of population .....	60.7	61.0	61.2	61.3	61.0	61.3	61.5	61.5	61.4	61.4	61.7	61.8	62.3
Employed .....	9,171	9,211	9,220	9,172	9,102	9,159	9,127	9,142	9,276	9,253	9,209	9,270	9,352
Employment-population ratio <sup>2</sup> .....	49.4	49.5	49.5	49.2	48.7	48.9	48.7	48.7	49.4	49.2	48.8	49.1	49.5
Unemployed .....	2,096	2,130	2,180	2,271	2,296	2,316	2,395	2,400	2,271	2,302	2,423	2,402	2,432
Unemployment rate .....	18.6	18.8	19.1	19.8	20.1	20.2	20.8	20.8	19.7	19.9	20.8	20.6	20.6
<b>Men, 20 years and over</b>													
Civilian labor force .....	5,366	5,377	5,366	5,398	5,390	5,488	5,463	5,459	5,441	5,439	5,540	5,512	5,597
Percent of population .....	74.8	74.8	74.5	74.7	74.4	75.6	75.6	75.1	74.7	74.5	75.7	75.1	76.1
Employed .....	4,435	4,444	4,419	4,360	4,331	4,437	4,358	4,385	4,423	4,416	4,415	4,418	4,522
Employment-population ratio <sup>2</sup> .....	61.8	61.8	61.3	60.4	59.8	61.1	60.1	60.3	60.7	60.5	60.3	60.2	61.5
Unemployed .....	931	933	947	1,038	1,059	1,051	1,125	1,075	1,018	1,023	1,125	1,094	1,075
Unemployment rate .....	17.3	17.4	17.6	19.2	19.6	19.2	20.5	19.7	18.7	18.8	20.3	19.8	19.2
<b>Women, 20 years and over</b>													
Civilian labor force .....	5,145	5,159	5,183	5,187	5,169	5,157	5,207	5,295	5,353	5,350	5,265	5,348	5,283
Percent of population .....	56.3	56.3	56.5	56.4	56.1	55.9	56.5	57.3	57.8	57.7	56.6	57.4	56.6
Employed .....	4,367	4,359	4,366	4,371	4,332	4,305	4,349	4,329	4,441	4,404	4,372	4,431	4,384
Employment-population ratio <sup>2</sup> .....	47.8	47.6	47.8	47.5	47.0	46.6	47.1	48.8	48.0	47.5	47.0	47.6	47.0
Unemployed .....	778	800	797	816	837	852	858	965	912	946	893	917	900
Unemployment rate .....	15.1	15.5	15.4	15.7	16.2	16.5	16.5	18.2	17.0	17.7	17.0	17.1	17.0

See footnotes at end of table.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-33. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted—Continued**

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1982							1983					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	756	805	851	858	839	830	832	788	754	765	827	812	903
Percent of population .....	33.5	35.8	37.9	38.3	37.5	37.2	36.8	35.0	33.5	34.1	37.0	36.4	40.5
Employed .....	369	408	415	441	439	417	420	428	412	432	422	421	448
Employment-population ratio <sup>2</sup> .....	16.4	18.1	18.5	19.7	19.6	18.7	18.6	19.0	18.3	19.3	18.9	18.9	20.0
Unemployed .....	387	397	436	417	400	413	412	360	342	333	405	391	457
Unemployment rate .....	51.2	49.3	51.2	48.6	47.7	49.8	49.5	45.7	45.4	43.5	49.0	48.2	50.6
Men .....	55.7	48.9	50.5	51.0	49.2	53.0	52.5	45.9	45.3	44.5	48.0	53.1	51.1
Women .....	46.0	49.7	52.1	45.9	45.9	46.2	46.2	45.5	45.4	42.3	50.0	42.3	50.0
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	9,428	9,521	9,689	9,464	9,474	9,355	9,301	9,328	9,368	9,551	9,665	9,747	9,738
Civilian labor force .....	5,965	5,972	6,045	5,981	5,973	5,923	5,898	5,981	5,992	6,074	6,206	6,167	6,253
Percent of population .....	63.3	62.7	62.4	63.0	63.0	63.3	63.4	64.1	64.0	63.6	64.2	63.3	64.2
Employed .....	5,155	5,136	5,162	5,097	5,075	5,012	4,998	5,053	5,042	5,088	5,304	5,318	5,379
Employment-population ratio <sup>2</sup> .....	109.4	107.9	106.6	107.7	107.1	107.2	107.5	108.3	107.6	106.5	109.8	109.1	110.5
Unemployed .....	810	836	883	864	898	911	900	929	950	986	902	849	874
Unemployment rate .....	13.8	14.0	14.6	14.5	15.0	15.4	15.3	15.5	15.8	16.2	14.5	13.8	14.0

<sup>1</sup> The population figures are not adjusted for seasonal variation.

<sup>2</sup> Civilian employment as a percent of the civilian noninstitutional population.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**A-34. Employed civilians by selected social and economic categories, seasonally adjusted**

(In thousands)

Category	1982							1983					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
<b>CHARACTERISTIC</b>													
Total .....	99,681	99,588	99,683	99,543	99,176	99,136	99,093	99,103	99,063	99,103	99,458	99,557	100,786
Married men, spouse present .....	38,254	38,177	38,121	37,998	37,852	37,841	37,507	37,450	37,428	37,452	37,523	37,560	37,925
Married women, spouse present .....	24,331	24,173	24,235	24,159	24,081	23,985	24,155	24,205	24,070	24,171	24,371	24,229	24,335
Women who maintain families .....	5,120	5,200	5,208	5,118	5,107	5,025	4,985	5,038	5,050	5,097	4,944	4,942	5,018
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
<b>Agriculture:</b>													
Wage and salary workers .....	1,457	1,523	1,548	1,537	1,576	1,584	1,547	1,637	1,624	1,515	1,560	1,595	1,836
Self-employed workers .....	1,661	1,655	1,620	1,569	1,821	1,828	1,627	1,587	1,541	1,585	1,607	1,558	1,608
Unpaid family workers .....	254	254	255	254	229	241	224	231	223	280	208	229	263
<b>Nonagricultural industries:</b>													
Wage and salary workers .....	88,548	88,491	88,578	88,562	88,064	87,936	87,978	87,813	87,794	87,912	88,187	88,395	89,354
Government .....	15,614	15,471	15,562	15,681	15,438	15,514	15,477	15,386	15,501	15,452	15,518	15,523	15,498
Private industries .....	72,934	73,020	73,014	72,881	72,628	72,422	72,499	72,427	72,293	72,459	72,668	72,872	73,856
Private households .....	1,205	1,200	1,227	1,220	1,216	1,221	1,163	1,162	1,232	1,235	1,205	1,228	1,317
Other industries .....	71,729	71,820	71,787	71,661	71,412	71,201	71,338	71,285	71,061	71,225	71,463	71,644	72,539
Self-employed workers .....	7,301	7,286	7,338	7,422	7,332	7,349	7,335	7,465	7,385	7,453	7,528	7,408	7,493
Unpaid family workers .....	398	393	408	378	403	382	383	380	353	342	353	335	345
<b>PERSONS AT WORK<sup>1</sup></b>													
Nonagricultural industries .....	90,917	90,414	90,486	90,884	90,232	90,238	90,219	90,903	90,207	90,271	92,267	90,941	90,539
Full-time schedules .....	72,545	72,288	72,045	71,723	71,394	71,442	71,499	71,786	71,564	71,878	73,594	72,975	72,978
Part time for economic reasons .....	5,561	5,577	5,820	6,495	6,403	6,411	6,425	6,845	6,481	6,202	6,082	5,928	5,729
Usually work full time .....	2,126	2,047	2,100	2,519	2,381	2,228	2,153	2,200	2,087	1,927	1,871	1,685	1,702
Usually work part time .....	3,435	3,530	3,720	3,976	4,022	4,183	4,272	4,645	4,384	4,275	4,211	4,243	4,027
Part time for noneconomic reasons .....	12,811	12,549	12,821	12,666	12,435	12,385	12,295	12,271	12,182	12,191	12,592	12,038	11,833

<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.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-35. Employed civilians by sex and age, seasonally adjusted**

(In thousands)

Sex and age	1982							1983					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 18 years and over .....	99,881	99,588	99,683	99,543	99,176	99,136	99,093	99,103	99,063	99,103	99,458	99,557	100,786
16 to 24 years .....	20,257	20,073	20,123	20,065	19,919	19,934	19,903	19,887	19,863	19,732	19,729	19,623	20,328
18 to 19 years .....	8,484	6,372	6,483	8,481	6,415	6,424	6,344	6,413	6,345	6,237	6,197	6,172	6,481
16 to 17 years .....	2,432	2,364	2,422	2,432	2,415	2,426	2,364	2,438	2,362	2,307	2,279	2,272	2,303
18 to 19 years .....	4,027	4,018	4,043	4,065	3,988	3,984	3,982	3,982	3,992	3,952	3,929	3,913	4,152
20 to 24 years .....	13,773	13,701	13,640	13,584	13,504	13,510	13,559	13,474	13,518	13,494	13,532	13,451	13,847
25 years and over .....	79,479	79,598	79,646	79,468	79,251	79,182	79,165	79,240	79,165	79,386	79,679	79,848	80,533
25 to 54 years .....	65,101	65,218	65,365	64,982	64,949	64,858	64,890	65,005	64,902	65,184	65,582	65,807	66,404
55 years and over .....	14,373	14,387	14,302	14,561	14,289	14,315	14,272	14,233	14,179	14,138	14,067	14,094	14,127
Men, 16 years and over .....	56,249	58,127	56,159	56,072	55,932	55,892	55,809	55,752	55,706	55,772	55,946	56,128	56,939
16 to 24 years .....	10,521	10,434	10,496	10,401	10,408	10,388	10,357	10,368	10,327	10,229	10,270	10,263	10,815
18 to 19 years .....	3,306	3,222	3,327	3,296	3,283	3,303	3,275	3,301	3,279	3,183	3,194	3,228	3,423
16 to 17 years .....	1,264	1,191	1,252	1,229	1,229	1,256	1,233	1,295	1,260	1,212	1,158	1,188	1,218
18 to 19 years .....	2,020	2,040	2,064	2,085	2,052	2,027	2,038	2,009	2,037	1,990	2,045	2,051	2,179
20 to 24 years .....	7,215	7,212	7,171	7,105	7,125	7,085	7,082	7,087	7,048	7,046	7,076	7,056	7,392
25 years and over .....	45,792	45,722	45,685	45,672	45,522	45,496	45,430	45,393	45,372	45,552	45,654	45,770	46,206
25 to 54 years .....	37,200	37,152	37,205	37,044	37,019	36,988	36,947	36,968	36,913	37,135	37,278	37,477	37,780
55 years and over .....	8,615	8,585	8,473	8,644	8,485	8,508	8,471	8,446	8,415	8,400	8,378	8,345	8,436
Women, 16 years and over .....	43,432	43,461	43,524	43,471	43,244	43,244	43,284	43,350	43,357	43,331	43,512	43,428	43,847
16 to 24 years .....	9,736	9,639	9,625	9,664	9,511	9,546	9,546	9,519	9,538	9,503	9,459	9,340	9,512
18 to 19 years .....	3,178	3,150	3,158	3,185	3,132	3,121	3,089	3,112	3,066	3,054	3,004	2,944	3,058
16 to 17 years .....	1,168	1,173	1,170	1,203	1,186	1,168	1,131	1,143	1,102	1,095	1,121	1,084	1,085
18 to 19 years .....	2,007	1,976	1,979	1,980	1,936	1,957	1,944	1,973	1,955	1,962	1,884	1,862	1,973
20 to 24 years .....	6,558	6,469	6,469	6,479	6,379	6,425	6,477	6,407	6,470	6,448	6,455	6,395	6,455
25 years and over .....	33,867	33,874	33,961	33,796	33,729	33,686	33,735	33,847	33,792	33,834	34,025	34,078	34,328
25 to 54 years .....	27,901	28,064	28,160	27,938	27,930	27,870	27,943	28,037	27,989	28,049	28,304	28,330	28,624
55 years and over .....	5,758	5,802	5,829	5,917	5,804	5,807	5,801	5,787	5,764	5,738	5,689	5,749	5,691

**A-36. Unemployed persons by sex and age, seasonally adjusted**

(In thousands)

Sex and age	1982							1983					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over .....	10,466	10,828	10,931	11,315	11,576	11,906	12,036	11,446	11,490	11,381	11,328	11,192	11,146
16 to 24 years .....	4,228	4,370	4,484	4,490	4,577	4,685	4,642	4,462	4,444	4,375	4,353	4,332	4,332
18 to 19 years .....	1,885	2,008	2,028	2,027	2,038	2,052	2,056	1,886	1,815	1,911	1,897	1,843	1,999
16 to 17 years .....	752	824	840	878	851	866	893	774	721	774	812	805	799
18 to 19 years .....	1,135	1,175	1,173	1,145	1,184	1,174	1,169	1,104	1,091	1,162	1,095	1,047	1,200
20 to 24 years .....	2,343	2,364	2,456	2,483	2,539	2,633	2,588	2,576	2,629	2,464	2,456	2,489	2,333
25 years and over .....	6,264	6,436	6,413	6,824	6,997	7,194	7,402	7,000	7,054	7,029	6,954	6,889	6,863
25 to 54 years .....	5,462	5,648	5,873	6,090	6,176	6,330	6,512	6,208	6,194	6,206	6,079	6,134	6,016
55 years and over .....	778	799	781	800	837	862	880	812	802	803	832	795	834
Men, 16 years and over .....	6,076	6,234	6,345	6,703	6,844	7,006	7,046	6,833	6,762	6,657	6,731	6,620	6,351
16 to 24 years .....	2,426	2,474	2,544	2,608	2,633	2,697	2,670	2,548	2,544	2,479	2,478	2,523	2,444
18 to 19 years .....	1,060	1,084	1,113	1,125	1,130	1,141	1,137	1,036	1,013	1,076	1,029	1,015	1,063
16 to 17 years .....	431	457	473	502	498	493	503	419	389	425	429	449	414
18 to 19 years .....	627	622	631	622	628	642	642	617	622	656	604	577	646
20 to 24 years .....	1,366	1,390	1,431	1,483	1,503	1,556	1,533	1,512	1,531	1,403	1,449	1,508	1,381
25 years and over .....	3,662	3,731	3,802	4,098	4,213	4,292	4,388	4,078	4,230	4,199	4,237	4,102	3,918
25 to 54 years .....	3,207	3,293	3,334	3,657	3,696	3,750	3,819	3,541	3,678	3,852	3,846	3,599	3,443
55 years and over .....	447	442	490	500	545	560	570	519	507	520	562	515	483
Women, 16 years and over .....	4,390	4,594	4,586	4,612	4,732	4,900	4,990	4,613	4,727	4,724	4,597	4,572	4,795
16 to 24 years .....	1,802	1,896	1,940	1,882	1,944	1,988	1,972	1,914	1,900	1,896	1,874	1,809	1,888
18 to 19 years .....	825	922	915	902	908	911	919	850	802	835	868	828	936
16 to 17 years .....	321	387	367	376	353	373	390	355	332	349	363	356	385
18 to 19 years .....	508	553	542	523	556	532	527	487	469	508	491	470	554
20 to 24 years .....	977	974	1,025	980	1,038	1,077	1,053	1,064	1,098	1,061	1,006	981	952
25 years and over .....	2,602	2,705	2,611	2,726	2,784	2,902	3,014	2,922	2,824	2,830	2,717	2,787	2,945
25 to 54 years .....	2,255	2,355	2,339	2,433	2,480	2,580	2,693	2,667	2,516	2,554	2,434	2,536	2,572
55 years and over .....	331	357	291	300	292	302	310	293	294	283	270	280	351

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-37. Unemployment rates by sex and age, seasonally adjusted**

(Civilian workers)

Sex and age	1982							1983					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over .....	9.5	9.8	9.9	10.2	10.5	10.7	10.8	10.4	10.4	10.3	10.2	10.1	10.0
16 to 24 years .....	17.3	17.9	18.2	18.3	18.7	19.0	18.9	18.3	18.3	18.1	18.1	18.1	17.6
16 to 19 years .....	22.5	23.9	23.8	23.8	24.1	24.2	24.5	22.7	22.2	23.5	23.4	23.0	23.6
16 to 17 years .....	23.6	25.8	25.8	26.5	26.1	26.3	27.4	24.1	23.4	25.1	28.3	26.2	25.8
18 to 19 years .....	22.0	22.6	22.5	22.0	22.9	22.8	22.7	21.7	21.5	22.7	21.8	21.1	22.4
20 to 24 years .....	14.5	14.7	15.3	15.3	15.8	16.3	16.0	16.1	16.3	15.4	15.4	15.6	14.4
25 years and over .....	7.3	7.5	7.5	7.9	8.1	8.3	8.6	8.1	8.2	8.1	8.0	7.9	7.9
25 to 54 years .....	7.7	8.0	8.0	8.6	8.7	8.9	9.1	8.7	8.7	8.7	8.5	8.5	8.3
55 years and over .....	5.1	5.3	5.2	5.2	5.5	5.7	5.8	5.4	5.4	5.4	5.6	5.3	5.6
Men, 16 years and over .....	9.7	10.0	10.2	10.7	10.9	11.1	11.2	10.6	10.8	10.7	10.7	10.6	10.0
16 to 24 years .....	18.7	19.2	19.5	20.0	20.2	20.6	20.5	19.7	19.8	19.5	19.4	19.7	18.4
16 to 19 years .....	24.3	25.2	25.1	25.4	25.6	25.7	25.8	23.9	23.6	25.3	24.4	23.9	23.7
16 to 17 years .....	25.4	27.7	27.4	29.0	28.8	28.2	29.0	24.4	23.6	26.0	27.0	27.4	25.4
18 to 19 years .....	23.7	23.4	23.4	23.0	23.4	24.1	24.0	23.5	23.4	24.8	22.8	22.0	22.9
20 to 24 years .....	15.9	16.2	16.6	17.3	17.4	18.0	17.8	17.6	17.8	16.6	17.0	17.6	15.7
25 years and over .....	7.4	7.5	7.7	8.2	8.5	8.6	8.8	8.2	8.5	8.4	8.5	8.2	7.8
25 to 54 years .....	7.9	8.1	8.2	9.0	9.1	9.2	9.4	8.7	9.1	9.0	8.9	8.8	8.4
55 years and over .....	4.9	4.9	5.5	5.5	6.0	6.2	6.3	5.8	5.7	5.8	6.3	5.8	5.4
Women, 16 years and over .....	9.2	9.6	9.5	9.6	9.9	10.2	10.3	10.0	9.8	9.8	9.6	9.5	9.9
16 to 24 years .....	15.6	16.4	16.8	16.3	17.0	17.2	17.1	16.7	16.6	16.6	16.5	16.2	16.6
16 to 19 years .....	20.6	22.6	22.5	22.1	22.5	22.6	23.0	21.5	20.7	21.5	22.4	21.9	23.4
16 to 17 years .....	21.6	23.8	23.9	23.6	22.9	24.2	25.6	23.7	23.2	24.2	25.5	24.7	26.2
18 to 19 years .....	20.2	21.9	21.5	20.9	22.3	21.4	21.3	19.8	19.3	20.5	20.7	20.2	21.9
20 to 24 years .....	13.0	13.1	13.7	13.1	14.0	14.4	14.0	14.2	14.5	14.1	13.5	13.3	12.9
25 years and over .....	7.2	7.4	7.1	7.5	7.6	7.9	8.2	7.9	7.7	7.7	7.4	7.6	7.9
25 to 54 years .....	7.5	7.7	7.7	8.0	8.2	8.5	8.8	8.7	8.2	8.3	7.9	8.2	8.2
55 years and over .....	5.4	5.8	4.8	4.8	4.8	4.9	5.1	4.6	4.9	4.7	4.5	4.6	5.8

**A-38. Selected unemployment indicators, seasonally adjusted**

(Unemployment rates)

Category	1982							1983					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
<b>CHARACTERISTIC</b>													
Total (all civilian workers) .....	9.5	9.8	9.9	10.2	10.5	10.7	10.8	10.4	10.4	10.3	10.2	10.1	10.0
Men, 20 years and over .....	8.7	8.9	9.0	9.6	9.8	10.0	10.1	9.6	9.9	9.6	9.8	9.6	9.0
Women, 20 years and over .....	6.1	6.3	6.3	6.4	6.7	9.0	9.2	9.0	8.9	8.8	8.4	8.5	8.6
Both sexes, 16 to 19 years .....	22.5	23.9	23.8	23.8	24.1	24.2	24.5	22.7	22.2	23.5	23.4	23.0	23.6
White .....	8.4	8.7	8.7	9.1	9.3	9.6	9.7	9.1	9.2	9.0	8.9	8.9	8.6
Black and other .....	17.1	17.4	17.7	18.1	18.4	18.5	18.8	19.0	18.0	18.5	18.8	18.6	18.9
Black .....	18.6	18.8	19.1	19.8	20.1	20.2	20.8	20.8	19.7	19.9	20.8	20.6	20.8
Hispanic origin .....	13.6	14.0	14.6	14.5	15.0	15.4	15.3	15.5	15.8	16.2	14.5	13.8	14.0
Married men, spouse present .....	6.4	6.6	6.8	7.2	7.5	7.6	7.8	7.1	7.2	7.1	7.1	7.0	6.6
Married women, spouse present .....	7.1	7.4	7.3	7.6	7.9	8.2	8.2	7.8	7.6	7.5	7.3	7.5	7.8
Women who maintain families .....	12.1	12.0	11.7	12.4	11.3	12.5	13.2	13.2	13.0	13.5	13.2	12.9	12.8
Full-time workers .....	9.4	9.6	9.7	10.2	10.5	10.6	10.8	10.3	10.4	10.3	10.2	9.9	9.7
Part-time workers .....	10.0	11.2	10.4	10.6	10.3	11.3	11.1	10.6	10.1	10.5	10.6	11.0	12.1
Unemployed 15 weeks and over <sup>1</sup> .....	3.2	3.2	3.3	3.5	3.8	4.1	4.3	4.2	4.2	4.2	3.9	4.1	4.1
Labor force time lost <sup>2</sup> .....	10.4	10.7	10.9	11.7	12.0	12.4	12.7	11.7	12.0	11.6	11.4	11.5	10.8
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers .....	10.0	10.2	10.2	10.7	11.0	11.4	11.6	10.8	10.8	10.6	10.5	10.5	10.0
Mining .....	14.0	15.6	16.0	18.5	17.9	18.1	18.1	17.1	18.4	18.6	20.3	22.7	18.2
Construction .....	19.5	20.3	20.4	22.0	22.3	21.8	22.0	20.0	19.7	20.3	20.3	20.4	16.1
Manufacturing .....	12.2	12.1	12.4	13.6	14.1	14.8	14.6	13.0	13.3	12.8	12.4	12.3	11.5
Durable goods .....	13.1	12.8	13.3	14.9	16.0	17.0	17.1	14.7	14.7	14.1	13.5	13.5	12.2
Nondurable goods .....	11.1	11.0	11.0	11.8	11.2	11.4	11.4	10.5	11.4	11.1	10.8	10.5	10.4
Transportation and public utilities .....	6.8	6.6	7.1	7.3	7.9	8.3	8.0	7.8	8.0	7.8	7.7	7.0	7.8
Wholesale and retail trade .....	9.7	10.3	10.0	10.0	10.4	10.6	11.0	10.8	10.9	11.2	10.4	10.1	10.2
Finance and service industries .....	6.9	7.0	7.0	7.0	7.1	7.7	7.9	7.6	7.3	7.2	7.3	7.5	7.2
Agricultural wage and salary workers .....	15.0	14.1	14.2	13.5	13.3	15.6	16.5	16.0	16.4	16.3	17.2	17.0	17.0

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

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

for economic reasons as a percent of potentially available labor force hours.

**A-39. Unemployed persons by duration of unemployment, seasonally adjusted**

(Numbers in thousands)

Weeks of unemployment	1982							1983					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
<b>DURATION</b>													
Less than 5 weeks .....	3,605	3,959	3,933	4,004	3,930	3,963	4,019	3,536	3,731	3,440	3,547	3,519	3,655
5 to 14 weeks .....	3,398	3,249	3,346	3,549	3,511	3,549	3,460	3,328	3,106	3,140	3,154	2,979	2,915
15 weeks and over .....	3,517	3,589	3,637	3,856	4,167	4,524	4,732	4,634	4,618	4,615	4,356	4,517	4,589
15 to 26 weeks .....	1,683	1,780	1,808	1,830	1,951	2,191	2,125	1,928	1,928	1,675	1,662	1,731	1,638
27 weeks and over .....	1,834	1,789	1,829	2,026	2,216	2,333	2,607	2,706	2,689	2,740	2,694	2,786	2,951
Average (mean) duration, in weeks .....	16.3	15.6	16.1	16.6	17.1	17.3	18.0	19.4	19.0	19.1	19.0	20.4	22.0
Median duration, in weeks .....	9.8	8.3	8.3	9.4	9.6	10.0	10.1	11.5	9.6	10.3	11.3	12.3	11.8
<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 .....	34.3	36.7	36.0	35.1	33.9	32.9	32.9	30.8	32.6	30.7	32.1	31.9	32.8
5 to 14 weeks .....	32.3	30.1	30.7	31.1	30.2	29.5	28.3	28.9	27.1	28.1	28.5	27.0	26.1
15 weeks and over .....	33.4	33.1	33.3	33.8	35.9	37.6	38.8	40.3	40.3	41.2	39.4	41.0	41.1
15 to 26 weeks .....	16.0	16.5	16.6	16.0	16.8	18.2	17.4	16.8	16.8	16.7	15.0	15.7	14.7
27 weeks and over .....	17.4	16.6	16.8	17.8	19.1	19.4	21.3	23.5	23.5	24.5	24.4	25.3	26.4

**A-40. Unemployed persons by reason for unemployment, seasonally adjusted**

(Numbers in thousands)

Reasons for unemployment	1982							1983					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
<b>NUMBER OF UNEMPLOYED</b>													
Job losers .....	6,181	6,323	6,446	6,979	7,325	7,369	7,295	6,704	6,809	6,823	6,750	6,766	6,513
On layoff .....	2,097	2,126	2,218	2,825	2,519	2,531	2,468	2,131	2,024	1,945	1,948	1,943	1,822
Other job losers .....	4,084	4,197	4,228	4,354	4,806	4,838	4,827	4,573	4,784	4,878	4,803	4,823	4,691
Job leavers .....	826	819	814	786	803	794	826	839	848	901	815	801	782
Reentrants .....	2,378	2,478	2,440	2,437	2,322	2,546	2,629	2,623	2,491	2,426	2,488	2,365	2,425
New entrants .....	1,091	1,230	1,304	1,303	1,296	1,244	1,288	1,174	1,161	1,155	1,245	1,251	1,440
<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 .....	59.0	58.3	58.6	60.7	62.4	61.6	60.6	59.1	60.2	60.4	59.7	60.5	58.4
On layoff .....	20.0	19.6	20.2	22.8	21.4	21.2	20.5	18.8	17.9	17.2	17.2	17.4	16.3
Other job losers .....	39.0	38.7	36.4	37.8	40.9	40.5	40.1	40.3	42.3	43.1	42.5	43.1	42.0
Job leavers .....	7.9	7.5	7.4	6.8	6.8	6.6	6.9	7.4	7.5	8.0	7.2	7.2	7.0
Reentrants .....	22.7	22.8	22.2	21.2	19.8	21.3	21.8	23.1	22.0	21.5	22.0	21.1	21.7
New entrants .....	10.4	11.3	11.9	11.3	11.0	10.4	10.7	10.4	10.3	10.2	11.0	11.2	12.9
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	5.6	5.7	5.8	6.3	6.6	6.6	6.6	6.1	6.2	6.2	6.1	6.1	5.8
Job leavers .....	.7	.7	.7	.7	.7	.7	.7	.8	.8	.8	.7	.7	.7
Reentrants .....	2.2	2.2	2.2	2.2	2.1	2.3	2.4	2.4	2.3	2.2	2.2	2.1	2.2
New entrants .....	1.0	1.1	1.2	1.2	1.2	1.1	1.2	1.1	1.1	1.0	1.1	1.1	1.3

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-41. Employment status of the noninstitutional population, including Armed forces stationed in the United States, by sex, seasonally adjusted**

(Numbers in thousands)

Employment status and sex	1980			1981				1982				1983	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
<b>TOTAL</b>													
Noninstitutional population <sup>1</sup> .....	169,002	169,728	170,327	170,912	171,467	172,071	172,649	173,161	173,686	174,200	174,710	175,170	175,626
Labor force <sup>1</sup> .....	108,346	108,761	109,127	109,852	110,432	110,238	110,775	110,956	111,754	112,307	112,638	112,193	112,925
Percent of population <sup>2</sup> .....	64.1	64.1	64.1	64.3	64.4	64.1	64.2	64.1	64.3	64.5	64.5	64.0	64.2
Total employed <sup>1</sup> .....	100,552	100,533	101,149	101,837	102,419	102,178	101,746	101,324	101,386	101,283	100,799	100,755	101,603
Employment-population ratio <sup>3</sup> .....	59.5	59.2	59.4	59.6	59.7	59.4	58.9	58.5	58.4	58.1	57.7	57.5	57.9
Resident Armed Forces .....	1,587	1,617	1,634	1,633	1,630	1,658	1,659	1,664	1,666	1,678	1,664	1,685	1,669
Civilian employed .....	98,965	98,916	99,515	100,204	100,789	100,520	100,087	99,660	99,720	99,605	99,135	99,090	99,933
Agriculture .....	3,337	3,342	3,412	3,372	3,417	3,358	3,327	3,371	3,391	3,412	3,430	3,393	3,420
Nonagricultural industries .....	95,628	95,574	96,103	96,832	97,372	97,162	96,760	96,289	96,329	96,192	95,705	95,696	96,514
Unemployed .....	7,794	8,228	7,979	8,016	8,013	8,059	9,029	9,632	10,369	11,025	11,839	11,439	11,222
Unemployment rate <sup>4</sup> .....	7.2	7.6	7.3	7.3	7.3	7.3	8.2	8.7	9.3	9.8	10.5	10.2	9.9
Not in labor force .....	60,657	60,967	61,200	61,060	61,035	61,833	61,874	62,205	61,932	61,893	62,072	62,977	62,801
<b>Men</b>													
Noninstitutional population <sup>1</sup> .....	80,708	81,080	81,347	81,614	81,874	82,163	82,442	82,678	82,926	83,167	83,435	83,720	83,934
Labor force <sup>1</sup> .....	62,896	63,055	63,151	63,374	63,540	63,430	63,617	63,648	63,950	64,085	64,366	63,956	64,433
Percent of population <sup>2</sup> .....	77.9	77.8	77.6	77.7	77.6	77.2	77.2	77.0	77.1	77.1	77.1	76.4	78.8
Total employed <sup>1</sup> .....	58,469	58,303	58,692	58,920	59,129	59,040	58,547	58,138	57,999	57,657	57,401	57,272	57,865
Employment-population ratio <sup>3</sup> .....	72.4	71.9	72.1	72.2	72.2	71.9	71.0	70.3	69.9	69.3	68.8	68.4	66.9
Resident Armed Forces .....	1,463	1,490	1,505	1,503	1,499	1,521	1,525	1,526	1,527	1,538	1,523	1,529	1,528
Civilian employed .....	57,006	56,813	57,187	57,417	57,630	57,519	57,022	56,612	56,472	56,119	55,878	55,743	56,338
Unemployed .....	4,427	4,752	4,460	4,454	4,411	4,390	5,071	5,510	5,951	6,427	6,965	6,684	6,567
Unemployment rate <sup>4</sup> .....	7.0	7.5	7.1	7.0	6.9	6.9	8.0	8.7	9.3	10.0	10.8	10.5	10.2
Not in labor force .....	17,811	18,004	18,196	18,240	18,334	18,733	18,825	19,030	18,976	19,082	19,069	19,764	19,501
<b>Women</b>													
Noninstitutional population <sup>1</sup> .....	88,295	88,668	88,980	89,298	89,593	89,908	90,207	90,482	90,759	91,033	91,274	91,450	91,693
Labor force <sup>1</sup> .....	45,449	45,706	45,976	46,479	46,892	46,808	47,158	47,307	47,803	48,223	48,272	48,237	48,392
Percent of population <sup>2</sup> .....	51.5	51.5	51.7	52.0	52.3	52.1	52.3	52.3	52.7	53.0	52.9	52.7	52.8
Total employed <sup>1</sup> .....	42,083	42,230	42,457	42,918	43,290	43,138	43,199	43,185	43,385	43,625	43,398	43,482	43,737
Employment-population ratio <sup>3</sup> .....	47.7	47.6	47.7	48.1	48.3	48.0	47.9	47.7	47.8	47.9	47.5	47.5	47.7
Resident Armed Forces .....	124	127	129	131	131	137	134	137	138	140	141	136	142
Civilian employed .....	41,959	42,103	42,328	42,787	43,159	43,001	43,065	43,048	43,247	43,485	43,257	43,346	43,596
Unemployed .....	3,367	3,476	3,519	3,562	3,602	3,670	3,958	4,122	4,418	4,597	4,874	4,755	4,655
Unemployment rate <sup>4</sup> .....	7.4	7.6	7.7	7.7	7.7	7.8	8.4	8.7	9.2	9.5	10.1	9.9	9.6
Not in labor force .....	42,846	42,962	43,004	42,819	42,701	43,100	43,049	43,175	42,956	42,810	43,002	43,213	43,301

<sup>1</sup> Includes members of the Armed Forces stationed in the United States.

<sup>2</sup> Labor force as a percent of the noninstitutional population.

<sup>3</sup> Total employment as a percent of the noninstitutional population.

<sup>4</sup> Unemployment as a percent of the labor force (including the resident

Armed Forces).

NOTE: The population and Armed Forces figures are not adjusted for seasonal variation. Detail for the seasonally adjusted data shown in tables A-41 through A-51 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-42. Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted**

(Numbers in thousands)

Employment status, sex, and age	1980			1981				1982				1983	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
<b>TOTAL</b>													
Civilian noninstitutional population <sup>1</sup> .....	187,415	168,111	168,693	189,279	189,837	170,413	170,990	171,497	172,020	172,522	173,046	173,505	173,957
Civilian labor force .....	106,759	107,144	107,493	108,219	108,802	108,580	109,116	109,292	110,088	110,629	110,974	110,528	111,156
Percent of population .....	63.8	63.7	63.7	63.9	64.1	63.7	63.8	63.7	64.0	64.1	64.1	63.7	63.9
Employed .....	98,965	98,918	99,515	100,204	100,789	100,520	100,087	99,660	99,720	99,605	99,135	99,090	99,933
Employment-population ratio <sup>2</sup> .....	59.1	58.8	59.0	59.2	59.3	59.0	58.5	58.1	58.0	57.7	57.3	57.1	57.4
Unemployed .....	7,794	8,228	7,979	8,016	8,013	8,059	9,029	9,632	10,369	11,025	11,839	11,439	11,222
Unemployment rate .....	7.3	7.7	7.4	7.4	7.4	7.4	8.3	8.8	9.4	10.0	10.7	10.3	10.1
<b>Men, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	70,963	71,313	71,634	71,946	72,251	72,567	72,912	73,205	73,492	73,775	74,105	74,434	74,712
Civilian labor force .....	56,392	56,594	56,726	56,951	57,222	57,211	57,421	57,558	57,920	58,158	58,420	58,131	58,598
Percent of population .....	79.5	79.4	79.2	79.2	79.2	78.8	78.8	78.6	78.8	78.8	78.8	78.1	78.4
Employed .....	52,687	52,818	53,223	53,478	53,760	53,739	53,351	53,085	53,052	52,838	52,591	52,489	53,058
Employment-population ratio <sup>2</sup> .....	74.5	74.1	74.3	74.3	74.4	74.1	73.2	72.5	72.2	71.6	71.0	70.5	71.0
Agriculture .....	2,380	2,366	2,392	2,372	2,404	2,386	2,370	2,389	2,429	2,444	2,422	2,407	2,459
Nonagricultural industries .....	50,506	50,452	50,832	51,106	51,357	51,353	50,981	50,896	50,623	50,394	50,168	50,083	50,598
Unemployed .....	3,505	3,776	3,503	3,473	3,462	3,472	4,069	4,473	4,868	5,320	5,829	5,642	5,532
Unemployment rate .....	6.2	6.7	6.2	6.1	6.0	6.1	7.1	7.8	8.4	9.1	10.0	9.7	9.4
Not in labor force .....	14,572	14,720	14,908	14,995	15,029	15,356	15,491	15,647	15,572	15,617	15,685	16,303	16,124
<b>Women, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	79,869	80,266	80,616	80,966	81,312	81,675	82,036	82,368	82,703	83,037	83,346	83,594	83,900
Civilian labor force .....	40,967	41,203	41,512	42,030	42,494	42,491	42,938	43,107	43,602	44,006	44,111	44,195	44,371
Percent of population .....	51.3	51.3	51.5	51.9	52.3	52.0	52.3	52.3	52.7	53.0	52.9	52.9	52.9
Employed .....	38,355	38,500	38,728	39,250	39,682	39,601	39,831	39,842	40,048	40,322	40,150	40,269	40,594
Employment-population ratio <sup>2</sup> .....	48.0	48.0	48.0	48.5	48.8	48.5	48.6	48.4	48.4	48.6	48.2	48.2	48.4
Agriculture .....	581	582	618	607	595	606	611	624	600	592	599	643	618
Nonagricultural industries .....	37,774	37,918	38,110	38,643	39,087	38,995	39,220	39,218	39,448	39,730	39,551	39,626	39,976
Unemployed .....	2,612	2,703	2,784	2,780	2,812	2,890	3,107	3,266	3,554	3,684	3,961	3,928	3,777
Unemployment rate .....	6.4	6.8	6.7	6.6	6.6	6.8	7.2	7.8	8.2	8.4	9.0	8.9	8.5
Not in labor force .....	38,902	39,062	39,104	38,936	38,818	39,184	39,098	39,261	39,101	39,031	39,235	39,399	39,529
<b>Both sexes, 16 to 19 years</b>													
Civilian noninstitutional population <sup>1</sup> .....	16,584	16,532	16,442	16,367	16,275	16,171	16,042	15,923	15,825	15,709	15,595	15,477	15,345
Civilian labor force .....	9,400	9,347	9,255	9,239	9,087	8,878	8,757	8,626	8,566	8,466	8,443	8,202	8,196
Percent of population .....	56.7	56.5	56.3	56.4	55.8	54.9	54.6	54.2	54.1	53.9	54.1	53.0	53.4
Employed .....	7,724	7,598	7,563	7,476	7,347	7,180	6,905	6,733	6,819	6,445	6,394	6,332	6,283
Employment-population ratio <sup>2</sup> .....	46.6	46.0	46.0	45.7	45.1	44.4	43.0	42.3	41.8	41.0	41.0	40.9	40.9
Agriculture .....	376	394	402	393	418	365	348	359	362	377	409	344	343
Nonagricultural industries .....	7,347	7,204	7,161	7,083	6,929	6,815	6,559	6,375	6,257	6,069	5,985	5,988	5,941
Unemployed .....	1,676	1,749	1,692	1,763	1,740	1,698	1,852	1,893	1,947	2,020	2,049	1,871	1,913
Unemployment rate .....	17.8	18.7	18.3	19.1	19.1	19.1	21.2	21.9	22.7	23.9	24.3	22.8	23.3
Not in labor force .....	7,184	7,184	7,187	7,128	7,188	7,293	7,285	7,297	7,259	7,243	7,152	7,275	7,149

<sup>1</sup> The population figures are not adjusted for seasonal variation.

<sup>2</sup> Civilian employment as a percent of the civilian noninstitutional population.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-43. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted**

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1980			1981				1982				1983	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
<b>WHITE</b>													
Civilian noninstitutional population <sup>1</sup> .....	145,855	146,439	146,889	147,148	147,671	148,164	148,650	148,943	149,309	149,586	149,927	150,233	150,666
Civilian labor force .....	93,519	93,889	94,016	94,648	95,188	94,986	95,422	95,450	96,170	96,467	96,679	96,053	96,633
Percent of population .....	64.1	64.0	64.0	64.3	64.5	64.1	64.2	64.1	64.4	64.5	64.5	63.9	64.1
Employed .....	87,463	87,312	87,874	88,455	89,021	88,889	88,471	88,064	88,150	87,957	87,452	87,328	88,122
Employment-population ratio <sup>2</sup> .....	60.0	59.8	59.8	60.1	60.3	60.0	59.5	59.1	59.0	58.8	58.3	58.1	56.5
Unemployed .....	8,057	6,377	6,142	6,193	6,167	6,096	6,951	7,386	8,020	8,509	9,227	8,725	8,511
Unemployment rate .....	6.5	6.8	6.5	6.5	6.5	6.4	7.3	7.7	8.3	8.8	9.5	9.1	8.8
<b>Men, 20 years and over</b>													
Civilian labor force .....	50,046	50,131	50,279	50,432	50,730	50,876	50,869	50,889	51,207	51,343	51,531	51,133	51,606
Percent of population .....	80.0	79.7	79.7	79.7	79.8	79.3	79.3	79.1	79.3	79.3	79.3	78.4	78.8
Employed .....	47,270	47,161	47,500	47,697	48,014	48,008	47,664	47,438	47,375	47,145	46,882	46,772	47,303
Employment-population ratio <sup>2</sup> .....	75.6	75.0	75.3	75.4	75.5	74.3	73.7	73.4	72.8	72.2	71.7	71.7	72.2
Unemployed .....	2,776	2,970	2,779	2,735	2,716	2,869	3,205	3,452	3,833	4,198	4,648	4,361	4,303
Unemployment rate .....	5.5	5.9	5.5	5.4	5.4	5.3	6.3	8.8	7.5	8.2	9.0	8.5	8.3
<b>Women, 20 years and over</b>													
Civilian labor force .....	35,134	35,292	35,544	36,025	36,432	36,428	36,797	36,923	37,357	37,695	37,743	37,630	37,837
Percent of population .....	50.6	50.6	50.8	51.3	51.7	51.4	51.7	51.7	52.2	52.5	52.4	52.1	52.2
Employed .....	33,172	33,243	33,486	33,948	34,342	34,319	34,493	34,476	34,689	34,927	34,753	34,751	35,073
Employment-population ratio <sup>2</sup> .....	47.8	47.7	47.8	48.3	48.7	48.5	48.5	48.3	48.4	48.6	48.2	48.1	48.4
Unemployed .....	1,961	2,049	2,057	2,077	2,091	2,107	2,304	2,448	2,668	2,768	2,990	2,880	2,763
Unemployment rate .....	5.6	5.8	5.8	5.8	5.7	5.8	6.3	6.6	7.1	7.3	7.9	7.7	7.3
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	8,340	8,267	8,193	8,190	8,025	7,884	7,756	7,637	7,606	7,429	7,405	7,290	7,190
Percent of population .....	60.0	59.7	59.6	60.0	59.1	58.5	58.0	57.7	57.9	57.1	57.3	56.9	56.6
Employed .....	7,020	6,909	6,887	6,810	6,665	6,564	6,314	6,150	6,086	5,885	5,816	5,805	5,746
Employment-population ratio <sup>2</sup> .....	50.5	49.9	50.1	49.9	49.1	48.7	47.3	46.5	46.3	45.2	45.0	45.3	45.3
Unemployed .....	1,320	1,358	1,306	1,380	1,360	1,320	1,441	1,487	1,520	1,544	1,589	1,485	1,444
Unemployment rate .....	15.8	16.4	15.9	16.9	17.0	16.7	18.8	19.5	20.0	20.8	21.5	20.4	20.1
Men .....	16.8	17.4	17.1	17.8	17.5	17.1	19.2	20.5	21.3	22.4	22.8	21.7	20.6
Women .....	14.9	15.3	14.7	15.8	16.4	16.4	17.8	18.4	18.5	19.0	20.0	18.9	19.6
<b>BLACK</b>													
Civilian noninstitutional population <sup>1</sup> .....	17,769	17,864	17,977	18,076	18,171	18,268	18,363	18,450	18,541	18,628	18,719	18,796	18,881
Civilian labor force .....	10,821	10,933	10,968	11,001	11,104	11,041	11,204	11,210	11,262	11,395	11,465	11,548	11,698
Percent of population .....	60.9	61.1	61.0	60.9	61.1	60.4	61.0	60.8	60.7	61.2	61.2	61.4	61.9
Employed .....	9,271	9,298	9,317	9,385	9,425	9,297	9,314	9,255	9,172	9,201	9,129	9,224	9,277
Employment-population ratio <sup>2</sup> .....	52.2	52.0	51.8	51.9	51.9	50.9	50.7	50.2	49.5	49.4	48.8	49.1	49.1
Unemployed .....	1,550	1,635	1,651	1,616	1,679	1,744	1,891	1,956	2,090	2,194	2,336	2,324	2,419
Unemployment rate .....	14.3	15.0	15.1	14.7	15.1	15.8	18.9	17.4	18.6	19.3	20.4	20.1	20.7
<b>Men, 20 years and over</b>													
Civilian labor force .....	5,116	5,181	5,152	5,164	5,225	5,230	5,281	5,295	5,353	5,380	5,454	5,446	5,550
Percent of population .....	75.1	75.6	74.7	74.4	74.8	74.4	74.6	74.4	74.7	74.7	75.2	74.7	75.7
Employed .....	4,467	4,462	4,503	4,549	4,544	4,517	4,469	4,439	4,436	4,408	4,375	4,408	4,452
Employment-population ratio <sup>2</sup> .....	65.6	65.1	65.3	65.5	65.1	64.3	63.1	62.3	61.9	61.2	60.3	60.5	60.7
Unemployed .....	649	719	648	615	681	713	811	856	917	973	1,078	1,038	1,098
Unemployment rate .....	12.7	13.9	12.6	11.9	13.0	13.6	15.4	16.2	17.1	18.1	19.8	19.1	19.8
<b>Women, 20 years and over</b>													
Civilian labor force .....	4,815	4,858	4,927	4,948	4,988	4,995	5,071	5,086	5,115	5,176	5,178	5,333	5,299
Percent of population .....	55.5	55.6	56.1	56.0	56.1	55.8	56.3	56.1	56.1	56.4	56.1	57.6	56.9
Employed .....	4,241	4,298	4,276	4,300	4,337	4,312	4,369	4,351	4,335	4,372	4,329	4,392	4,396
Employment-population ratio <sup>2</sup> .....	48.9	49.2	48.7	48.6	48.6	48.2	48.5	48.0	47.5	47.7	46.9	47.4	47.2
Unemployed .....	574	562	651	648	651	683	701	735	780	804	849	941	903
Unemployment rate .....	11.9	11.6	13.2	13.1	13.1	13.7	13.8	14.5	15.2	15.5	16.4	17.6	17.0

See footnotes at end of table.



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-43. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted—Continued**

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1980			1981				1982				1983	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	890	895	890	889	891	816	853	829	794	838	834	789	847
Percent of population .....	38.9	39.0	38.8	38.7	38.9	35.7	37.5	36.6	35.2	37.3	37.2	34.2	37.9
Employed .....	564	541	538	536	544	468	475	465	401	421	425	424	430
Employment-population ratio <sup>2</sup> .....	24.6	23.6	23.5	23.3	23.7	20.5	20.9	20.5	17.8	18.8	19.0	18.9	19.2
Unemployed .....	326	354	352	353	347	348	378	365	393	417	408	345	418
Unemployment rate .....	36.7	39.6	39.6	39.7	39.0	42.6	44.3	44.0	49.5	49.7	49.0	44.9	49.3
Men .....	34.0	39.6	39.9	39.2	39.3	43.1	41.4	42.7	51.1	50.2	51.6	45.2	50.8
Women .....	39.7	39.6	39.1	40.4	38.6	42.1	47.5	45.4	47.7	49.2	48.1	44.4	47.6
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	8,833	9,144	9,132	9,113	9,199	9,383	9,545	9,346	9,320	9,558	9,377	9,418	9,717
Civilian labor force .....	5,648	5,785	5,844	5,925	5,937	5,928	6,097	6,038	5,978	5,993	5,931	6,016	6,209
Percent of population .....	63.9	63.3	64.0	65.0	64.5	63.2	63.9	64.6	64.1	62.7	63.3	63.9	63.9
Employed .....	5,076	5,153	5,250	5,273	5,352	5,346	5,421	5,292	5,183	5,132	5,028	5,061	5,334
Employment-population ratio <sup>2</sup> .....	114.9	112.7	115.0	115.7	116.4	113.9	113.6	113.2	111.2	107.4	107.2	107.5	109.8
Unemployed .....	572	632	594	651	584	582	676	746	796	861	903	955	875
Unemployment rate .....	10.1	10.9	10.2	11.0	9.8	9.8	11.1	12.4	13.3	14.4	15.2	15.9	14.1

<sup>1</sup> The population figures are not adjusted for seasonal variation.

<sup>2</sup> Civilian employment as a percent of the civilian noninstitutional population.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-44. Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted**

(Numbers in thousands)

Full- and part-time status, sex and age	1980			1981				1982				1983	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
<b>FULL TIME</b>													
Total:													
Civilian labor force .....	91,187	91,588	91,926	92,456	92,866	92,889	93,497	93,576	94,138	94,535	95,082	94,941	95,539
Employed <sup>1</sup> .....	84,781	84,735	85,295	85,869	86,323	86,335	85,974	85,520	85,424	85,246	84,964	85,130	86,061
Unemployed .....	6,406	6,854	6,631	6,588	6,542	6,554	7,523	8,056	8,714	9,289	10,118	9,811	9,478
Unemployment rate .....	7.0	7.5	7.2	7.1	7.0	7.1	8.0	8.6	9.3	9.8	10.6	10.3	9.9
Men, 20 years and over:													
Civilian labor force .....	53,508	53,779	53,895	54,009	54,380	54,315	54,554	54,559	54,923	55,082	55,396	54,990	55,547
Employed <sup>1</sup> .....	50,211	50,176	50,555	50,754	51,126	51,078	50,707	50,339	50,319	50,031	49,811	49,640	50,309
Unemployed .....	3,297	3,603	3,340	3,256	3,255	3,237	3,848	4,219	4,605	5,051	5,584	5,350	5,237
Unemployment rate .....	6.2	6.7	6.2	6.0	6.0	6.0	7.1	7.7	8.4	9.2	10.1	9.7	9.4
Women, 20 years and over:													
Civilian labor force .....	32,643	32,847	33,118	33,578	33,747	33,883	34,300	34,439	34,844	35,158	35,253	35,611	35,674
Employed <sup>1</sup> .....	30,514	30,609	30,808	31,253	31,453	31,526	31,694	31,716	31,871	32,092	31,911	32,272	32,511
Unemployed .....	2,129	2,238	2,309	2,325	2,294	2,357	2,606	2,724	2,974	3,066	3,342	3,338	3,163
Unemployment rate .....	6.5	6.8	7.0	6.9	6.8	7.0	7.6	7.9	8.5	8.7	9.5	9.4	8.9
Both sexes, 16 to 19 years:													
Civilian labor force .....	5,036	4,962	4,912	4,869	4,738	4,690	4,642	4,578	4,370	4,293	4,433	4,340	4,318
Employed <sup>1</sup> .....	4,056	3,950	3,931	3,862	3,744	3,731	3,573	3,465	3,234	3,122	3,242	3,217	3,241
Unemployed .....	980	1,013	982	1,006	994	960	1,069	1,113	1,135	1,171	1,192	1,122	1,077
Unemployment rate .....	19.5	20.4	20.0	20.7	21.0	20.5	23.0	24.3	26.0	27.3	26.9	25.9	24.9
<b>PART TIME</b>													
Total:													
Civilian labor force .....	15,581	15,682	15,537	15,701	15,928	15,768	15,623	15,690	15,964	16,175	15,890	15,589	15,600
Employed <sup>1</sup> .....	14,191	14,313	14,183	14,278	14,444	14,267	14,117	14,118	14,300	14,442	14,157	13,966	13,842
Unemployed .....	1,390	1,368	1,353	1,423	1,484	1,501	1,506	1,572	1,664	1,733	1,733	1,623	1,758
Unemployment rate .....	8.9	8.7	8.7	9.1	9.3	9.5	9.6	10.0	10.4	10.7	10.9	10.4	11.3
Men, 20 years and over:													
Civilian labor force .....	2,919	2,807	2,852	2,900	2,873	2,883	2,886	2,959	3,026	3,090	3,049	3,095	3,054
Employed <sup>1</sup> .....	2,715	2,630	2,671	2,697	2,666	2,648	2,649	2,717	2,764	2,820	2,777	2,822	2,760
Unemployed .....	204	177	180	202	208	235	237	241	262	270	272	273	294
Unemployment rate .....	7.0	6.3	6.3	7.0	7.2	8.2	8.2	8.2	8.6	8.7	8.9	8.8	9.6
Women, 20 years and over:													
Civilian labor force .....	8,301	8,405	8,365	8,451	8,725	8,663	8,610	8,667	8,732	8,904	8,823	8,602	8,674
Employed <sup>1</sup> .....	7,817	7,948	7,897	7,985	8,204	8,130	8,117	8,116	8,154	8,282	8,213	8,001	8,059
Unemployed .....	485	457	468	465	521	533	492	551	578	623	610	601	615
Unemployment rate .....	5.8	5.4	5.6	5.5	6.0	6.2	5.7	6.4	6.6	7.0	6.9	7.0	7.1
Both sexes, 16 to 19 years:													
Civilian labor force .....	4,360	4,470	4,320	4,351	4,329	4,223	4,127	4,084	4,206	4,181	4,018	3,892	3,872
Employed <sup>1</sup> .....	3,659	3,736	3,615	3,595	3,574	3,490	3,350	3,284	3,361	3,340	3,167	3,143	3,023
Unemployed .....	701	734	705	756	756	733	777	780	825	841	851	749	849
Unemployment rate .....	16.1	16.4	16.3	17.4	17.5	17.4	18.8	19.2	19.6	20.1	21.2	19.2	21.9

<sup>1</sup> Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether seeking full- or part-time work.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-45. Employed civilians by selected social and economic categories, seasonally adjusted**

(In thousands)

Category	1980			1981				1982				1983	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
<b>CHARACTERISTIC</b>													
Total .....	98,965	98,916	99,515	100,204	100,789	100,520	100,087	99,660	99,720	99,605	99,135	99,090	99,933
Married men, spouse present .....	38,925	38,856	38,928	39,029	39,065	38,864	38,571	38,286	38,247	38,099	37,667	37,443	37,669
Married women, spouse present .....	23,505	23,455	23,574	23,890	24,066	23,898	23,825	23,848	24,111	24,189	24,074	24,149	24,311
Women who maintain families .....	4,750	4,785	4,820	4,919	5,028	4,979	5,065	5,115	5,068	5,175	5,039	5,062	4,967
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
<b>Agriculture:</b>													
Wage and salary workers .....	1,430	1,380	1,434	1,439	1,509	1,472	1,426	1,420	1,476	1,536	1,569	1,592	1,597
Self-employed workers .....	1,622	1,660	1,655	1,643	1,650	1,625	1,634	1,640	1,665	1,615	1,625	1,571	1,591
Unpaid family workers .....	291	302	315	283	265	253	271	317	257	254	231	238	233
<b>Nonagricultural industries:</b>													
Wage and salary workers .....	88,292	88,195	88,610	89,310	89,919	89,712	89,242	88,716	88,625	88,543	87,992	87,840	88,645
Government .....	15,981	15,945	15,943	15,925	15,794	15,541	15,500	15,517	15,511	15,571	15,478	15,447	15,513
Private industries .....	72,311	72,251	72,667	73,385	74,125	74,171	73,743	73,198	73,114	72,972	72,518	72,393	73,132
Private households .....	1,211	1,207	1,172	1,218	1,210	1,186	1,222	1,213	1,202	1,218	1,200	1,210	1,250
Other industries .....	71,100	71,044	71,494	72,167	72,915	72,985	72,521	71,986	71,912	71,756	71,316	71,183	71,882
Self-employed workers .....	6,883	7,024	7,110	7,081	7,070	7,111	7,120	7,084	7,270	7,349	7,339	7,434	7,476
Unpaid family workers .....	420	420	405	395	354	393	422	419	400	393	389	358	344
<b>PERSONS AT WORK<sup>1</sup></b>													
Nonagricultural industries .....	89,862	89,738	90,562	91,407	91,414	91,550	91,243	90,582	90,918	90,595	90,230	90,460	91,249
Full-time schedules .....	73,164	72,910	73,885	74,490	74,592	74,555	73,756	72,880	72,859	72,019	71,445	71,743	73,182
Part time for economic reasons .....	4,166	4,312	4,212	4,290	4,160	4,497	5,093	5,389	5,681	5,964	6,413	6,510	5,913
Usually work full time .....	1,873	1,819	1,862	1,657	1,574	1,731	2,019	2,050	2,173	2,222	2,254	2,075	1,753
Usually work part time .....	2,293	2,494	2,550	2,634	2,586	2,766	3,074	3,339	3,508	3,742	4,159	4,435	4,160
Part time for noneconomic reasons .....	12,532	12,516	12,465	12,627	12,662	12,498	12,394	12,313	12,579	12,812	12,372	12,208	12,154

<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-46. Employed civilians by sex and age, seasonally adjusted**

(In thousands)

Sex and age	1980			1981				1982				1983	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
<b>Total, 16 years and over .....</b>	<b>98,965</b>	<b>98,916</b>	<b>99,515</b>	<b>100,204</b>	<b>100,789</b>	<b>100,520</b>	<b>100,087</b>	<b>99,660</b>	<b>99,720</b>	<b>99,605</b>	<b>99,135</b>	<b>99,090</b>	<b>99,933</b>
18 to 24 years .....	21,749	21,585	21,864	21,850	21,496	21,342	20,905	20,556	20,390	20,087	19,919	19,827	19,893
18 to 19 years .....	7,724	7,598	7,583	7,476	7,347	7,180	6,905	6,733	6,619	6,445	6,394	6,332	6,283
18 to 17 years .....	3,120	3,055	3,008	2,982	2,895	2,858	2,735	2,664	2,547	2,406	2,402	2,369	2,285
18 to 19 years .....	4,599	4,546	4,552	4,489	4,449	4,317	4,180	4,077	4,072	4,041	3,985	3,975	3,998
20 to 24 years .....	14,025	13,986	14,101	14,174	14,149	14,162	14,000	13,823	13,771	13,642	13,524	13,495	13,610
25 years and over .....	77,216	77,366	77,838	78,540	79,285	79,215	79,184	79,084	79,319	79,570	79,199	79,263	80,020
25 to 54 years .....	82,665	82,840	83,383	84,013	84,889	84,814	84,805	84,773	84,955	85,188	84,899	85,030	85,931
55 years and over .....	14,533	14,553	14,448	14,509	14,591	14,426	14,357	14,277	14,368	14,410	14,292	14,183	14,096
<b>Men, 18 years and over .....</b>	<b>57,008</b>	<b>56,813</b>	<b>57,187</b>	<b>57,417</b>	<b>57,830</b>	<b>57,519</b>	<b>57,022</b>	<b>56,812</b>	<b>56,472</b>	<b>56,119</b>	<b>55,878</b>	<b>55,743</b>	<b>56,398</b>
18 to 24 years .....	11,645	11,419	11,450	11,487	11,389	11,345	11,068	10,822	10,656	10,444	10,384	10,308	10,458
18 to 19 years .....	4,120	3,996	3,963	3,939	3,870	3,760	3,670	3,527	3,420	3,282	3,287	3,254	3,282
18 to 17 years .....	1,868	1,827	1,803	1,588	1,515	1,524	1,481	1,414	1,349	1,224	1,240	1,258	1,188
18 to 19 years .....	2,430	2,375	2,354	2,352	2,354	2,257	2,193	2,116	2,071	2,063	2,039	2,012	2,092
20 to 24 years .....	7,525	7,423	7,487	7,528	7,519	7,565	7,397	7,295	7,236	7,163	7,097	7,054	7,175
25 years and over .....	45,365	45,413	45,729	45,939	46,242	46,187	45,944	45,777	45,821	45,693	45,483	45,439	45,877
25 to 54 years .....	38,549	38,600	38,925	37,131	37,472	37,500	37,319	37,198	37,235	37,134	36,985	37,005	37,512
55 years and over .....	8,828	8,814	8,790	8,808	8,785	8,684	8,614	8,572	8,605	8,561	8,488	8,420	8,388
<b>Women, 16 years and over .....</b>	<b>41,959</b>	<b>42,103</b>	<b>42,328</b>	<b>42,787</b>	<b>43,159</b>	<b>43,001</b>	<b>43,065</b>	<b>43,048</b>	<b>43,247</b>	<b>43,485</b>	<b>43,257</b>	<b>43,346</b>	<b>43,596</b>
18 to 24 years .....	10,104	10,166	10,214	10,183	10,107	9,997	9,837	9,734	9,735	9,843	9,534	9,519	9,437
18 to 19 years .....	3,604	3,603	3,600	3,537	3,477	3,400	3,235	3,206	3,199	3,164	3,107	3,077	3,002
18 to 17 years .....	1,434	1,427	1,405	1,396	1,380	1,332	1,254	1,250	1,199	1,182	1,182	1,113	1,097
18 to 19 years .....	2,169	2,171	2,198	2,137	2,095	2,060	1,987	1,961	2,001	1,978	1,948	1,963	1,908
20 to 24 years .....	6,500	6,563	6,614	6,647	6,630	6,597	6,603	6,528	6,536	6,479	6,427	6,442	6,435
25 years and over .....	31,851	31,953	32,107	32,601	33,044	33,028	33,220	33,307	33,499	33,677	33,717	33,824	34,144
25 to 54 years .....	26,116	26,240	26,458	26,882	27,217	27,314	27,486	27,575	27,720	28,054	27,914	28,025	28,419
55 years and over .....	5,707	5,739	5,659	5,701	5,806	5,742	5,743	5,706	5,762	5,849	5,804	5,783	5,710

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-47. Unemployed persons by sex and age, seasonally adjusted**

(In thousands)

Sex and age	1980			1981				1982				1983	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
Total, 16 years and over .....	7,794	8,228	7,979	8,016	8,013	8,059	9,029	9,832	10,369	11,025	11,839	11,439	11,222
16 to 24 years .....	3,580	3,702	3,608	3,668	3,723	3,630	3,940	4,130	4,284	4,448	4,635	4,427	4,339
16 to 19 years .....	1,676	1,749	1,692	1,763	1,740	1,698	1,852	1,893	1,947	2,020	2,049	1,871	1,913
16 to 17 years .....	771	814	783	814	800	737	772	786	822	847	870	756	805
18 to 19 years .....	909	929	908	952	945	953	1,078	1,112	1,131	1,164	1,176	1,119	1,114
20 to 24 years .....	1,904	1,953	1,916	1,905	1,984	1,932	2,088	2,237	2,337	2,428	2,586	2,556	2,426
25 years and over .....	4,216	4,522	4,359	4,362	4,295	4,415	5,078	5,520	6,095	6,558	7,198	7,028	6,902
25 to 54 years .....	3,712	4,017	3,850	3,817	3,788	3,889	4,487	4,850	5,340	5,804	6,339	6,203	6,076
55 years and over .....	500	520	510	535	503	547	590	652	749	793	860	806	820
Men, 16 years and over .....	4,427	4,752	4,460	4,454	4,411	4,390	5,071	5,510	5,951	6,427	6,965	6,684	6,567
16 to 24 years .....	2,052	2,151	2,077	2,090	2,106	2,008	2,224	2,352	2,447	2,542	2,667	2,523	2,482
16 to 19 years .....	922	976	957	981	950	918	1,001	1,036	1,083	1,107	1,136	1,042	1,036
16 to 17 years .....	430	456	441	453	448	402	421	438	462	477	498	411	431
18 to 19 years .....	494	516	516	530	505	511	580	600	624	625	637	632	609
20 to 24 years .....	1,130	1,175	1,120	1,109	1,156	1,090	1,223	1,316	1,364	1,435	1,531	1,482	1,446
25 years and over .....	2,372	2,605	2,374	2,373	2,307	2,378	2,840	3,168	3,505	3,877	4,298	4,169	4,086
25 to 54 years .....	2,054	2,288	2,086	2,054	2,005	2,080	2,496	2,747	3,059	3,428	3,755	3,624	3,563
55 years and over .....	312	333	299	303	299	315	355	397	442	477	558	515	520
Women, 16 years and over .....	3,367	3,476	3,519	3,562	3,602	3,670	3,958	4,122	4,418	4,597	4,874	4,755	4,655
16 to 24 years .....	1,528	1,551	1,531	1,578	1,617	1,622	1,716	1,777	1,837	1,906	1,968	1,904	1,857
16 to 19 years .....	754	773	735	782	790	780	851	857	864	913	913	829	877
16 to 17 years .....	341	359	342	361	353	335	351	348	360	370	372	345	375
18 to 19 years .....	415	413	393	422	439	442	499	512	507	539	538	487	505
20 to 24 years .....	774	778	796	796	827	842	865	921	973	993	1,055	1,075	980
25 years and over .....	1,644	1,917	1,984	1,989	1,988	2,038	2,238	2,351	2,590	2,681	2,900	2,859	2,816
25 to 54 years .....	1,658	1,729	1,764	1,763	1,782	1,808	1,991	2,103	2,281	2,376	2,584	2,579	2,514
55 years and over .....	188	187	211	232	204	232	236	254	307	316	301	290	300

**A-48. Unemployment rates by sex and age, seasonally adjusted**

(Civilian workers)

Sex and age	1980			1981				1982				1983	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
Total, 16 years and over .....	7.3	7.7	7.4	7.4	7.4	7.4	8.3	8.8	9.4	10.0	10.7	10.3	10.1
16 to 24 years .....	14.1	14.8	14.3	14.5	14.8	14.5	15.9	16.7	17.4	18.1	18.9	18.3	17.9
16 to 19 years .....	17.8	18.7	18.3	19.1	19.1	19.1	21.2	21.9	22.7	23.9	24.3	22.8	23.3
16 to 17 years .....	19.8	21.0	20.6	21.4	21.7	20.5	22.0	22.8	24.4	26.0	26.6	24.2	26.1
18 to 19 years .....	16.5	17.0	16.6	17.5	17.5	18.1	20.5	21.4	21.7	22.4	22.8	22.0	21.8
20 to 24 years .....	12.0	12.3	12.0	11.8	12.3	12.0	13.0	13.9	14.5	15.1	16.1	15.9	15.1
25 years and over .....	5.2	5.5	5.3	5.3	5.1	5.3	6.0	6.5	7.1	7.8	8.3	8.1	7.9
25 to 54 years .....	5.6	6.0	5.7	5.6	5.5	5.7	6.5	7.0	7.6	8.2	8.9	8.7	8.4
55 years and over .....	3.3	3.5	3.4	3.6	3.3	3.7	3.9	4.4	5.0	5.2	5.7	5.4	5.5
Men, 16 years and over .....	7.2	7.7	7.2	7.2	7.1	7.1	8.2	8.9	9.5	10.3	11.1	10.7	10.4
16 to 24 years .....	15.0	15.8	15.4	15.4	15.6	15.0	16.7	17.9	18.7	19.6	20.4	19.7	19.2
16 to 19 years .....	16.3	19.6	19.4	19.9	19.7	19.5	21.4	22.7	24.1	25.2	25.7	24.2	24.0
16 to 17 years .....	20.3	21.9	21.6	22.2	22.8	20.9	22.1	23.7	25.5	28.1	28.7	24.7	26.6
18 to 19 years .....	16.9	17.9	18.0	18.4	17.7	18.5	20.9	22.1	23.2	23.3	23.8	23.9	22.5
20 to 24 years .....	13.1	13.7	13.0	12.8	13.3	12.6	14.2	15.3	15.9	16.7	17.7	17.4	16.8
25 years and over .....	5.0	5.4	4.9	4.9	4.8	4.9	5.6	6.5	7.1	7.8	8.6	8.4	8.2
25 to 54 years .....	5.3	5.9	5.3	5.2	5.1	5.3	6.3	6.9	7.6	8.5	9.2	8.9	8.7
55 years and over .....	3.4	3.6	3.3	3.3	3.3	3.5	4.0	4.4	4.9	5.3	6.2	5.8	5.8
Women, 16 years and over .....	7.4	7.6	7.7	7.7	7.7	7.9	8.4	8.7	9.3	9.6	10.1	9.9	9.6
16 to 24 years .....	13.1	13.2	13.0	13.4	13.8	14.0	14.9	15.4	15.9	16.5	17.1	16.7	16.4
16 to 19 years .....	17.3	17.7	17.0	18.1	18.5	18.7	20.8	21.1	21.3	22.4	22.7	21.2	22.6
16 to 17 years .....	19.2	20.1	19.6	20.5	20.4	20.1	21.9	21.8	23.1	23.8	24.3	23.7	25.5
18 to 19 years .....	16.1	16.0	15.2	16.5	17.3	17.7	20.1	20.7	20.2	21.4	21.7	19.9	20.9
20 to 24 years .....	10.6	10.6	10.7	10.7	11.1	11.3	11.6	12.4	13.0	13.3	14.1	14.3	13.2
25 years and over .....	5.5	5.7	5.8	5.8	5.7	5.8	6.3	6.6	7.2	7.3	7.9	7.8	7.6
25 to 54 years .....	6.0	6.2	6.2	6.2	6.1	6.2	6.8	7.1	7.6	7.8	8.5	8.4	8.1
55 years and over .....	3.2	3.2	3.6	3.9	3.4	3.9	3.9	4.3	5.1	5.1	4.9	4.8	5.0

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-49. Selected unemployment indicators, seasonally adjusted**

(Unemployment rates)

Category	1980			1981				1982				1983	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
<b>CHARACTERISTIC</b>													
Total (all civilian workers) .....	7.3	7.7	7.4	7.4	7.4	7.4	8.3	8.8	9.4	10.0	10.7	10.3	10.1
Men, 20 years and over .....	6.2	6.7	6.2	6.1	6.0	6.1	7.1	7.8	8.4	9.1	10.0	9.7	9.4
Women, 20 years and over .....	6.4	6.6	6.7	6.6	6.6	6.8	7.2	7.6	8.2	8.4	9.0	8.9	8.5
Both sexes, 16 to 19 years .....	17.8	18.7	18.3	19.1	19.1	19.1	21.2	21.9	22.7	23.9	24.3	22.8	23.3
White .....	6.5	6.8	6.5	6.5	6.5	6.4	7.3	7.7	8.3	8.8	9.5	9.1	8.8
Black and other .....	13.2	13.7	13.7	13.3	13.7	14.4	15.3	16.0	17.0	17.7	18.6	18.5	16.8
Black .....	14.3	15.0	15.1	14.7	15.1	15.8	16.9	17.4	18.6	19.3	20.4	20.1	20.7
Hispanic origin .....	10.1	10.9	10.2	11.0	9.8	9.8	11.1	12.4	13.3	14.4	15.2	15.9	14.1
Married men, spouse present .....	4.4	4.8	4.3	4.2	4.0	4.1	5.1	5.4	6.2	6.9	7.6	7.1	6.9
Married women, spouse present .....	5.9	6.1	5.9	5.9	5.7	5.8	6.4	6.7	7.3	7.4	8.1	7.6	7.5
Women who maintain families .....	8.6	9.1	10.0	10.0	10.3	10.7	10.6	10.6	11.8	12.0	12.3	13.2	13.0
Full-time workers .....	7.0	7.5	7.2	7.1	7.0	7.1	8.0	8.6	9.3	9.8	10.6	10.3	9.9
Part-time workers .....	8.9	8.7	8.7	9.1	9.3	9.5	9.6	10.0	10.4	10.7	10.9	10.4	11.3
Unemployed 15 weeks and over <sup>1</sup> .....	1.6	2.0	2.2	2.2	2.1	2.0	2.2	2.5	3.0	3.3	4.0	4.2	4.0
Labor force time lost <sup>2</sup> .....	8.0	8.3	8.3	8.3	8.2	8.2	9.5	10.0	10.5	11.1	12.4	11.6	11.2
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers .....	7.6	8.0	7.7	7.5	7.4	7.5	8.5	9.1	9.9	10.4	11.4	10.8	10.4
Mining .....	6.1	6.7	8.3	5.7	5.6	5.6	7.2	8.5	12.2	16.7	18.0	18.0	20.4
Construction .....	15.4	16.0	14.1	14.1	15.5	15.8	17.6	18.4	19.2	20.9	22.1	20.0	19.6
Manufacturing .....	9.0	9.4	8.9	8.4	7.6	7.5	9.6	10.5	11.7	12.7	14.6	13.0	12.1
Durable goods .....	9.8	10.2	9.1	8.3	7.3	7.2	9.8	11.0	12.4	13.7	16.7	14.5	13.1
Nondurable goods .....	7.9	8.3	8.6	8.4	8.1	7.9	9.2	9.9	10.7	11.3	11.4	11.0	10.6
Transportation and public utilities .....	4.9	5.8	5.1	5.7	5.3	4.6	5.4	5.9	6.6	7.0	8.1	7.9	7.5
Wholesale and retail trade .....	7.4	7.7	8.0	7.7	7.7	8.2	8.7	9.3	10.0	10.1	10.7	11.0	10.2
Finance and service industries .....	5.4	5.6	5.5	5.7	5.8	5.8	6.2	6.4	6.9	7.0	7.6	7.4	7.3
Agricultural wage and salary workers .....	11.2	11.9	10.7	11.8	11.0	11.6	13.9	14.3	16.0	13.9	15.1	16.2	17.1

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

for economic reasons as a percent of potentially available labor force hours.

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

**A-50. Unemployed persons by duration of unemployment, seasonally adjusted**

(Numbers in thousands)

Weeks of unemployment	1980			1981				1982				1983	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
<b>DURATION</b>													
Less than 5 weeks .....	3,502	3,350	3,189	3,280	3,297	3,391	3,652	3,823	3,802	3,965	3,971	3,569	3,574
5 to 14 weeks .....	2,616	2,696	2,446	2,381	2,471	2,489	2,851	3,082	3,311	3,381	3,507	3,191	3,018
15 weeks and over .....	1,735	2,142	2,358	2,338	2,242	2,205	2,352	2,705	3,288	3,687	4,474	4,822	4,488
15 to 26 weeks .....	1,006	1,221	1,241	1,092	1,101	1,093	1,204	1,431	1,633	1,808	2,089	1,911	1,677
27 weeks and over .....	729	921	1,115	1,244	1,141	1,112	1,149	1,274	1,655	1,881	2,385	2,712	2,810
Average (mean) duration, in weeks .....	11.2	12.4	13.5	14.1	13.8	14.0	13.2	13.8	15.2	16.1	17.5	19.2	20.5
Median duration, in weeks .....	6.0	7.3	7.5	7.2	7.1	8.9	6.8	7.5	8.9	8.7	9.9	10.5	11.8
<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 .....	44.6	40.9	39.9	41.0	41.2	42.0	42.5	39.8	36.8	35.9	33.2	31.4	32.3
5 to 14 weeks .....	33.3	32.9	30.6	29.8	30.9	30.6	31.5	32.1	31.8	30.6	29.3	28.0	27.2
15 weeks and over .....	22.1	28.2	29.5	29.2	28.0	27.3	26.0	28.1	31.6	33.4	37.4	40.6	40.5
15 to 26 weeks .....	12.8	14.9	15.5	13.7	13.7	13.6	13.3	14.9	15.7	16.4	17.5	16.8	15.1
27 weeks and over .....	9.3	11.2	13.9	15.6	14.2	13.8	12.7	13.3	15.9	17.1	20.0	23.8	25.4

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-51. Unemployed persons by reason for unemployment, seasonally adjusted**

(Numbers in thousands)

Reasons for unemployment	1980			1981				1982				1983	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
<b>NUMBER OF UNEMPLOYED</b>													
Job losers .....	4,068	4,500	4,231	4,036	4,032	4,171	4,859	5,372	6,003	6,583	7,330	6,779	6,876
On layoff .....	1,692	1,816	1,488	1,325	1,324	1,330	1,770	1,829	2,007	2,323	2,506	2,033	1,904
Other job losers .....	2,375	2,683	2,743	2,711	2,707	2,841	3,089	3,543	3,996	4,260	4,824	4,745	4,772
Job leavers .....	926	908	689	911	923	920	937	890	864	806	808	863	799
Reentrants .....	1,932	1,944	1,984	2,065	2,048	2,047	2,255	2,222	2,371	2,452	2,499	2,513	2,426
New entrants .....	847	899	911	986	977	944	1,015	1,071	1,115	1,279	1,276	1,163	1,312
<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 .....	52.3	54.5	52.8	50.5	50.5	51.6	53.6	56.2	58.0	59.2	61.5	59.9	59.5
On layoff .....	21.8	22.0	18.6	16.8	16.6	16.5	19.5	19.1	19.4	20.9	21.0	18.0	17.0
Other job losers .....	30.6	32.5	34.2	33.9	33.9	35.1	34.1	37.1	38.6	38.3	40.5	41.9	42.6
Job leavers .....	11.9	11.0	11.1	11.4	11.6	11.4	10.3	9.3	8.3	7.3	6.8	7.6	7.1
Reentrants .....	24.9	23.6	24.8	25.8	25.7	25.3	24.9	23.3	22.9	22.0	21.0	22.2	21.6
New entrants .....	10.9	10.9	11.4	12.3	12.2	11.7	11.2	11.2	10.8	11.5	10.7	10.3	11.7
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	3.8	4.2	3.9	3.7	3.7	3.8	4.5	4.9	5.5	6.0	6.6	6.1	6.0
Job leavers .....	.9	.8	.8	.8	.8	.8	.9	.8	.8	.7	.7	.8	.7
Reentrants .....	1.8	1.8	1.8	1.9	1.9	1.9	2.1	2.0	2.2	2.2	2.3	2.3	2.2
New entrants .....	.8	.8	.8	.9	.9	.9	.9	1.0	1.0	1.2	1.1	1.1	1.2

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-52. Persons not in the labor force by reason, sex, and race, seasonally adjusted**

(In thousands)

Reason, sex, and race	1980			1981				1982				1983	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
<b>TOTAL</b>													
Total not in labor force .....	60,657	60,967	61,200	61,060	61,035	61,833	81,874	62,205	81,932	61,893	82,072	82,977	62,801
Do not want a job now .....	55,105	55,464	55,551	55,221	55,586	58,064	55,922	56,016	55,678	55,258	55,322	56,171	58,053
Current activity:													
Going to school .....	6,362	6,734	6,335	6,337	6,588	6,516	6,485	6,368	6,746	6,309	6,400	6,635	8,402
Ill, disabled .....	4,547	4,190	4,337	4,198	4,265	4,345	4,270	4,055	4,069	4,040	3,978	3,946	4,106
Keeping house .....	29,336	29,329	29,474	28,817	28,812	28,977	28,533	28,982	28,325	28,212	28,127	28,432	28,283
Retired .....	10,752	11,136	11,170	11,515	11,771	11,901	12,108	12,104	12,206	12,442	12,576	13,025	13,015
Other activity .....	4,109	4,076	4,236	4,354	4,150	4,325	4,526	4,507	4,333	4,254	4,241	4,132	4,247
Want a job now .....	5,594	5,891	5,724	5,918	5,679	5,716	6,037	6,132	8,589	6,666	6,995	6,406	6,540
Reason not looking:													
School attendance .....	1,491	1,644	1,524	1,559	1,544	1,536	1,591	1,620	1,708	1,803	1,887	1,629	1,492
Ill health, disability .....	747	801	712	800	731	704	834	764	779	778	758	649	695
Home responsibilities .....	1,218	1,287	1,219	1,293	1,276	1,183	1,388	1,353	1,480	1,370	1,373	1,384	1,474
Think cannot get a job .....	950	1,014	1,061	1,094	1,042	1,108	1,191	1,331	1,487	1,638	1,849	1,764	1,709
Job-market factors .....	651	693	726	825	725	812	890	1,045	1,082	1,222	1,391	1,442	1,306
Personal factors .....	298	321	335	269	317	296	301	286	405	418	458	322	403
Other reasons <sup>1</sup> .....	1,190	1,145	1,208	1,172	1,086	1,185	1,035	1,063	1,135	1,078	1,128	980	1,171
<b>Men</b>													
Total not in labor force .....	17,811	18,004	18,196	18,240	18,334	18,733	18,825	19,030	18,976	19,082	19,069	19,764	19,501
Do not want a job now .....	15,993	16,150	16,384	16,331	16,613	16,875	18,883	16,827	16,972	16,939	16,893	17,250	17,194
Want a job now .....	1,845	1,956	1,853	1,934	1,867	1,830	2,014	2,074	2,166	2,298	2,390	2,187	2,215
Reason not looking:													
School attendance .....	770	860	754	797	771	731	801	879	899	964	1,022	868	763
Ill health, disability .....	352	362	294	376	334	318	409	322	334	342	299	285	305
Home responsibilities .....	1,218	1,287	1,219	1,293	1,276	1,183	1,388	1,353	1,480	1,370	1,373	1,384	1,474
Think cannot get a job .....	328	386	367	373	412	389	439	509	577	595	890	707	693
Other reasons <sup>1</sup> .....	395	349	438	388	351	392	366	363	356	397	380	327	454
<b>Women</b>													
Total not in labor force .....	42,846	42,962	43,004	42,819	42,701	43,100	43,049	43,175	42,956	42,810	43,002	43,213	43,301
Do not want a job now .....	39,112	39,314	39,167	38,890	38,973	39,189	39,039	39,190	38,706	38,319	38,429	38,921	38,859
Want a job now .....	3,750	3,935	3,871	3,984	3,812	3,886	4,023	4,058	4,423	4,369	4,605	4,219	4,325
Reason not looking:													
School attendance .....	721	785	770	762	773	805	791	741	809	839	866	781	729
Ill health, disability .....	394	440	418	424	397	367	425	442	445	436	459	364	390
Home responsibilities .....	1,218	1,287	1,219	1,293	1,276	1,183	1,386	1,353	1,480	1,370	1,373	1,384	1,474
Think cannot get a job .....	622	827	695	722	630	718	751	822	911	1,043	1,159	1,057	1,016
Other reasons <sup>1</sup> .....	795	796	770	784	735	793	670	700	778	681	748	653	716
<b>White</b>													
Total not in labor force .....	52,336	52,750	52,873	52,500	52,483	53,178	53,228	53,493	53,139	53,119	53,248	54,180	54,033
Do not want a job now .....	48,218	48,505	48,658	48,184	48,416	48,943	48,839	48,970	48,535	48,431	48,444	49,178	49,215
Want a job now .....	4,187	4,217	4,178	4,347	4,117	4,104	4,400	4,417	4,707	4,772	4,972	4,675	4,833
Reason not looking:													
School attendance .....	1,101	1,097	1,075	1,112	1,050	984	1,163	1,171	1,202	1,226	1,320	1,194	1,119
Ill health, disability .....	550	539	495	580	519	501	561	525	556	549	505	471	522
Home responsibilities .....	952	986	931	950	978	869	1,040	992	1,039	1,043	1,029	1,043	1,031
Think cannot get a job .....	636	698	681	750	705	747	800	875	995	1,072	1,247	1,193	1,261
Other reasons <sup>1</sup> .....	948	897	997	955	866	1,003	836	853	914	882	871	773	900
<b>Black</b>													
Total not in labor force .....	6,948	6,951	7,009	7,075	7,067	7,227	7,159	7,240	7,279	7,233	7,254	7,248	7,185
Do not want a job now .....	5,704	5,603	5,662	5,666	5,668	5,875	5,757	5,631	5,598	5,594	5,549	5,662	5,701
Want a job now .....	1,240	1,360	1,353	1,409	1,393	1,407	1,410	1,604	1,678	1,631	1,763	1,595	1,525
Reason not looking:													
School attendance .....	321	368	393	381	410	434	368	398	416	442	505	400	320
Ill health, disability .....	203	218	182	215	214	192	233	230	222	215	221	168	170
Home responsibilities .....	263	297	283	295	272	286	309	321	387	295	318	317	376
Think cannot get a job .....	276	273	307	330	316	326	339	455	449	502	529	543	409
Other reasons <sup>1</sup> .....	176	204	189	189	181	170	161	200	204	177	190	168	251

<sup>1</sup> Includes small number of men not looking for work because of "home responsibilities."

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-53. Persons not in the labor force by reason, sex, and age**

(In thousands)

Reason and sex	Total		Age							
	 1982	 1983	16 to 19 years		20 to 24 years		25 to 59 years		60 years and over	
			 1982	 1983	 1982	 1983	 1982	 1983	 1982	 1983
<b>TOTAL</b>										
Total not in labor force .....	61,921	62,768	7,116	7,002	4,779	4,811	21,963	22,248	28,063	28,707
Do not want a job now .....	55,023	55,888	5,067	5,098	3,524	3,526	18,948	19,144	27,485	28,116
Current activity:										
Going to school .....	5,899	5,963	3,885	3,793	1,332	1,402	666	742	16	25
Ill, disabled .....	4,091	4,126	31	39	91	84	1,879	2,001	2,090	2,001
Keeping house .....	28,665	28,609	393	400	1,635	1,579	13,938	13,854	12,699	12,775
Retired .....	12,211	13,025	-	-	-	-	236	349	11,976	12,676
Other activity .....	4,157	4,165	758	866	466	461	2,229	2,198	704	639
Want a job now .....	6,897	6,881	2,049	1,903	1,254	1,283	3,014	3,104	582	591
Reason for not looking:										
School attendance .....	2,215	2,045	1,543	1,346	449	436	223	252	-	12
Ill health, disability .....	768	680	24	19	62	31	492	504	190	126
Home responsibilities .....	1,424	1,412	103	100	308	332	991	946	22	34
Think cannot get a job .....	1,441	1,646	207	231	236	275	760	903	239	237
Job-market factors .....	1,073	1,290	147	154	189	224	596	777	140	135
Personal factors .....	367	355	61	77	46	51	162	126	98	102
Other reasons <sup>1</sup> .....	1,049	1,098	172	207	199	209	548	499	131	182
<b>Men</b>										
Total not in labor force .....	18,805	19,319	3,296	3,269	1,531	1,513	3,462	3,716	10,516	10,821
Do not want a job now .....	16,403	16,861	2,258	2,314	1,069	1,035	2,818	2,956	10,255	10,553
Current activity:										
Going to school .....	2,973	3,014	1,886	1,900	745	778	327	327	3	7
Ill, disabled .....	2,257	2,175	17	16	49	38	1,081	1,109	1,109	1,012
Keeping house .....	293	264	8	5	14	16	69	77	203	164
Retired .....	8,661	9,176	-	-	-	-	199	280	8,461	8,895
Other activity .....	2,218	2,232	337	393	261	203	1,142	1,163	479	475
Want a job now .....	2,402	2,459	1,037	954	481	478	643	759	261	268
Reason for not looking:										
School attendance .....	1,178	1,073	844	728	238	242	98	97	-	7
Ill health, disability .....	336	301	12	7	27	12	208	218	89	63
Think cannot get a job .....	562	671	109	117	124	136	206	304	122	114
Other reasons <sup>1</sup> .....	326	414	72	102	72	88	133	140	50	84
<b>Women</b>										
Total not in labor force .....	43,116	43,449	3,820	3,733	3,248	3,298	18,501	18,533	17,547	17,886
Do not want a job now .....	38,620	39,027	2,806	2,784	2,458	2,493	16,128	16,191	17,227	17,563
Current activity:										
Going to school .....	2,925	2,949	1,987	1,893	588	624	338	414	12	18
Ill, disabled .....	1,834	1,951	13	24	42	46	797	895	981	989
Keeping house .....	28,371	28,346	384	394	1,623	1,564	13,870	13,777	12,495	12,811
Retired .....	3,550	3,849	-	-	-	-	37	68	3,514	3,781
Other activity .....	1,939	1,932	422	473	205	259	1,086	1,037	225	164
Want a job now .....	4,496	4,422	1,015	948	789	805	2,375	2,342	321	323
Reason not looking:										
School attendance .....	1,037	972	700	618	210	194	128	156	-	5
Ill health, disability .....	432	379	13	11	34	19	285	284	101	63
Home responsibilities .....	1,424	1,412	103	100	308	332	991	946	22	34
Think cannot get a job .....	878	975	97	114	111	139	554	597	117	123
Other reasons <sup>1</sup> .....	724	684	102	105	126	121	417	359	81	98

<sup>1</sup> Includes small number of men not looking for work because of "home responsibilities."

force totals because of differences in the weighting patterns used in aggregating these data.

NOTE: Detail in tables A-53 and A-54 may not add to not-in-labor-



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-54. Persons not in the labor force by reason, race, Hispanic origin, age, and sex**

(In thousands)

Reason, race, and Hispanic origin	Total		Age						Sex			
	 1982	 1983	16 to 24 years		25 to 59 years		60 years and over		Men		Women	
			 1982	 1983	 1982	 1983	 1982	 1983	 1982	 1983	 1982	 1983
<b>WHITE</b>												
Total not in labor force .....	53,098	53,957	9,098	9,134	18,693	18,951	25,307	25,871	15,811	16,357	37,287	37,599
Do not want a job now .....	48,195	48,837	6,819	6,801	16,547	16,647	24,829	25,389	14,083	14,512	34,113	34,325
Current activity:												
Going to school .....	4,562	4,576	4,047	3,989	505	565	11	24	2,325	2,333	2,237	2,243
Ill, disabled .....	3,331	3,381	83	96	1,535	1,585	1,715	1,698	1,875	1,822	1,456	1,559
Keeping house .....	25,908	25,748	1,719	1,659	12,513	12,415	11,675	11,674	256	222	25,652	25,526
Retired .....	11,005	11,731	-	-	207	320	10,797	11,411	7,830	8,315	3,175	3,416
Other activity .....	3,390	3,401	970	1,057	1,787	1,762	631	582	1,797	1,820	1,593	1,581
Want a job now .....	4,902	5,120	2,278	2,332	2,146	2,303	480	483	1,729	1,845	3,174	3,275
Reason for not looking:												
School attendance .....	1,594	1,597	1,439	1,381	156	202	-	12	861	836	733	761
Ill health, disability .....	537	506	52	42	338	374	147	90	254	214	284	292
Home responsibilities .....	986	975	243	258	728	693	15	24	-	-	986	975
Think cannot get a job .....	938	1,187	258	358	490	635	191	195	353	494	585	693
Other reasons <sup>1</sup> .....	847	855	286	293	434	399	127	162	261	301	586	554
<b>BLACK</b>												
Total not in labor force .....	7,331	7,238	2,354	2,231	2,597	2,587	2,379	2,420	2,495	2,434	4,836	4,804
Do not want a job now .....	5,558	5,650	1,430	1,441	1,848	1,888	2,281	2,320	1,918	1,874	3,638	3,777
Current activity:												
Going to school .....	1,007	1,002	926	917	79	84	2	-	482	463	525	540
Ill, disabled .....	683	679	35	26	310	379	339	275	338	307	345	372
Keeping house .....	2,175	2,226	251	263	1,050	1,028	873	934	36	40	2,138	2,186
Retired .....	1,045	1,089	-	-	25	22	1,020	1,067	703	716	342	373
Other activity .....	648	654	218	235	384	375	47	44	359	348	288	306
Want a job now .....	1,774	1,588	923	791	752	699	98	100	577	560	1,197	1,026
Reason for not looking:												
School attendance .....	515	399	481	374	33	26	-	-	246	216	269	182
Ill health, disability .....	220	169	33	7	143	122	43	39	76	84	144	85
Home responsibilities .....	397	386	163	160	230	221	6	6	-	-	397	386
Think cannot get a job .....	462	413	168	134	249	242	45	37	196	153	266	259
Other reasons <sup>1</sup> .....	180	221	78	117	97	88	4	18	59	107	121	114
<b>HISPANIC ORIGIN</b>												
Total not in labor force .....	3,345	3,515	997	1,047	1,604	1,712	744	756	872	850	2,473	2,665
Do not want a job now .....	2,810	2,997	743	815	1,343	1,463	728	716	695	678	2,115	2,318
Current activity:												
Going to school .....	411	441	379	411	34	27	-	3	200	187	211	254
Ill, disabled .....	224	266	11	4	138	190	76	70	121	130	103	135
Keeping house .....	1,619	1,711	250	277	1,052	1,112	317	321	5	13	1,614	1,698
Retired .....	319	307	-	-	4	1	315	306	235	215	84	92
Other activity .....	237	272	103	123	115	133	20	16	134	133	103	139
Want a job now .....	534	517	255	232	260	248	17	38	177	172	358	347
Reason for not looking:												
School attendance .....	151	143	133	113	17	30	-	-	88	83	63	60
Ill health, disability .....	49	43	6	7	36	32	6	5	32	18	17	26
Home responsibilities .....	184	127	51	46	133	78	-	3	-	-	184	127
Think cannot get a job .....	94	148	40	42	45	87	9	19	40	49	54	100
Other reasons <sup>1</sup> .....	56	56	25	24	29	21	2	11	17	22	40	34

<sup>1</sup> Includes small number of men not looking for work because of "home responsibilities."

sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

NOTE: Detail for the above race and Hispanic-origin groups will not

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-55. Persons not in the labor force who desire work but think they cannot get jobs by reason, sex, age, race, and Hispanic origin**

(In thousands)

Reason and sex	2nd Quarter 1983							
	Total	Age				Race and Hispanic origin		
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black	Hispanic origin
<b>TOTAL</b>								
Personal factors:								
Employers think too young or old .....	141	18	-	32	92	120	19	10
Lacks education or training .....	128	39	42	43	4	80	40	13
Other personal handicap .....	86	20	9	51	6	59	20	6
Job-market factors:								
Could not find work .....	676	92	128	392	65	452	213	54
Thinks no job available .....	614	62	96	385	70	477	121	64
<b>Men</b>								
Personal factors:								
Employers think too young or old .....	71	9	-	6	57	59	12	4
Lacks education or training .....	35	15	18	2	-	18	12	2
Other personal handicap .....	34	13	4	17	-	28	5	3
Job-market factors:								
Could not find work .....	304	55	70	153	26	216	64	17
Thinks no job available .....	226	25	44	126	31	175	40	23
<b>Women</b>								
Personal factors:								
Employers think too young or old .....	70	10	-	25	35	61	7	6
Lacks education or training .....	93	25	24	41	4	62	28	11
Other personal handicap .....	52	6	5	34	6	33	15	4
Job-market factors:								
Could not find work .....	372	36	59	239	38	236	126	38
Thinks no job available .....	366	38	52	259	39	302	81	41

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-56. Work-seeking intentions of persons not in the labor force and work history of those who intend to seek work within the next 12 months by sex, age, and race**

(In thousands)

Work-seeking intentions, work history, and sex	Total		Age						Race			
	 1982	 1983	16 to 24 years		25 to 59 years		60 years and over		White		Black	
			 1982	 1983	 1982	 1983	 1982	 1983	 1982	 1983	 1982	 1983
<b>TOTAL</b>												
Do not intend to seek work .....	52,540	52,920	6,738	6,515	18,225	18,248	27,576	28,157	46,001	46,298	5,396	5,348
Intend to seek work in the next 12 months .....	9,380	9,847	5,157	5,298	3,737	3,999	486	550	7,096	7,660	1,935	1,890
Never worked .....	2,063	2,127	1,891	1,977	171	129	1	22	1,340	1,462	590	592
Last worked over 5 years ago .....	1,139	1,191	61	126	933	924	144	140	849	888	262	274
Last worked 1 to 5 years ago .....	2,240	2,575	769	910	1,270	1,464	202	202	1,640	1,974	537	525
Worked during previous 12 months .....	3,939	3,953	2,436	2,285	1,363	1,482	140	186	3,268	3,337	547	499
<b>Men</b>												
Do not intend to seek work .....	15,433	15,699	2,463	2,306	2,694	2,836	10,276	10,557	13,266	13,524	1,823	1,773
Intend to seek work in the next 12 months .....	3,372	3,620	2,365	2,476	768	879	240	265	2,544	2,833	672	661
Never worked .....	936	958	898	924	37	32	1	2	608	657	251	263
Last worked over 5 years ago .....	191	164	16	23	121	77	53	63	132	121	49	41
Last worked 1 to 5 years ago .....	645	831	259	369	271	365	116	95	460	645	168	156
Worked during previous 12 months .....	1,601	1,667	1,192	1,157	339	406	70	105	1,345	1,411	204	201
<b>Women</b>												
Do not intend to seek work .....	37,107	37,221	4,275	4,209	15,532	15,414	17,300	17,600	32,735	32,772	3,573	3,575
Intend to seek work in the next 12 months .....	6,008	6,227	2,793	2,821	2,968	3,120	247	164	4,552	4,827	1,263	1,229
Never worked .....	1,127	1,169	993	1,053	134	97	-	14	732	805	339	329
Last worked over 5 years ago .....	948	1,027	46	103	812	848	91	48	717	767	212	233
Last worked 1 to 5 years ago .....	1,595	1,745	509	539	1,000	1,098	86	59	1,180	1,329	369	370
Worked during previous 12 months .....	2,339	2,266	1,246	1,126	1,023	1,077	70	43	1,923	1,926	343	297

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-57. Employment status of the civilian noninstitutional population by sex, age, race, and Hispanic origin**

(Numbers in thousands)

Employment status, sex, and age	Total		White		Black		Hispanic origin	
	1982	1983	1982	1983	1982	1983	1982	1983
<b>TOTAL</b>								
Civilian noninstitutional population .....	172,020	173,957	149,309	150,666	18,541	18,881	9,320	9,717
Civilian labor force .....	110,099	111,189	96,211	98,709	11,210	11,642	5,975	6,202
Percent of population .....	64.0	63.9	64.4	64.2	60.5	61.7	64.1	63.8
Employed .....	99,833	100,065	88,308	88,307	9,138	9,244	5,188	5,338
Agriculture .....	3,528	3,558	3,256	3,305	200	199	256	338
Nonagricultural industries .....	96,307	96,508	85,053	85,002	8,937	9,045	4,932	5,002
Unemployed .....	10,266	11,123	7,903	8,403	2,074	2,399	787	864
Unemployment rate .....	9.3	10.0	8.2	8.7	18.5	20.6	13.2	13.9
Not in labor force .....	61,921	62,768	53,098	53,957	7,330	7,238	3,345	3,515
<b>Men, 16 years and over</b>								
Civilian noninstitutional population .....	81,399	82,406	71,150	71,904	8,264	8,426	4,449	4,555
Civilian labor force .....	62,594	63,087	55,339	55,547	5,769	5,993	3,577	3,705
Percent of population .....	76.9	76.6	77.8	77.3	69.8	71.1	80.4	81.3
Employed .....	56,884	58,555	50,710	50,515	4,851	4,684	3,123	3,206
Agriculture .....	2,824	2,831	2,604	2,627	166	162	222	284
Nonagricultural industries .....	53,860	53,723	48,106	47,888	4,485	4,522	2,900	2,923
Unemployed .....	5,910	6,532	4,630	5,032	1,118	1,310	454	499
Unemployment rate .....	9.4	10.4	8.4	9.1	19.4	21.9	12.7	13.5
Not in labor force .....	18,805	19,319	15,811	16,357	2,494	2,434	872	850
<b>Men, 20 years and over</b>								
Civilian noninstitutional population .....	73,492	74,712	64,564	65,523	7,185	7,336	3,681	3,957
Civilian labor force .....	57,983	58,662	51,256	51,674	5,341	5,538	3,266	3,370
Percent of population .....	78.9	78.5	79.4	78.9	74.5	75.5	84.6	85.2
Employed .....	53,178	53,189	47,488	47,431	4,446	4,464	2,900	2,970
Agriculture .....	2,473	2,506	2,289	2,319	154	145	197	243
Nonagricultural industries .....	50,705	50,683	45,219	45,112	4,292	4,319	2,703	2,726
Unemployed .....	4,805	5,473	3,788	4,244	895	1,074	366	401
Unemployment rate .....	8.3	9.3	7.4	8.2	16.8	19.4	11.2	11.9
Not in labor force .....	15,509	16,050	13,308	13,848	1,824	1,797	595	587
<b>Women, 16 years and over</b>								
Civilian noninstitutional population .....	90,621	91,551	76,159	78,762	10,277	10,453	4,871	5,162
Civilian labor force .....	47,505	48,102	40,872	41,162	5,441	5,649	2,398	2,497
Percent of population .....	52.4	52.5	52.3	52.3	52.9	54.0	49.2	48.4
Employed .....	43,148	43,510	37,598	37,792	4,485	4,560	2,065	2,132
Agriculture .....	702	726	652	678	34	37	33	52
Nonagricultural industries .....	42,447	42,784	36,947	37,114	4,452	4,523	2,032	2,080
Unemployed .....	4,357	4,592	3,273	3,370	956	1,089	332	365
Unemployment rate .....	9.2	9.5	8.0	8.2	17.6	19.3	13.9	14.6
Not in labor force .....	43,116	43,449	37,287	37,599	4,836	4,804	2,473	2,665
<b>Women, 20 years and over</b>								
Civilian noninstitutional population .....	82,703	83,900	71,613	72,446	9,120	9,311	4,293	4,575
Civilian labor force .....	43,407	44,184	37,212	37,700	5,078	5,261	2,156	2,278
Percent of population .....	52.5	52.7	52.0	52.0	55.7	56.5	50.2	49.6
Employed .....	39,974	40,529	34,857	35,049	4,306	4,366	1,888	1,976
Agriculture .....	640	661	593	617	31	33	30	48
Nonagricultural industries .....	39,334	39,868	34,064	34,432	4,275	4,335	1,858	1,930
Unemployed .....	3,433	3,655	2,554	2,651	772	893	267	299
Unemployment rate .....	7.9	8.3	6.9	7.0	15.2	17.0	12.4	13.1
Not in labor force .....	39,296	39,716	34,401	34,746	4,041	4,051	2,137	2,296
<b>Both sexes, 16 to 19 years</b>								
Civilian noninstitutional population .....	15,825	15,345	13,132	12,697	2,256	2,234	1,167	1,184
Civilian labor force .....	6,709	6,343	7,743	7,335	791	843	554	554
Percent of population .....	55.0	54.4	59.0	57.8	35.1	37.7	47.5	46.8
Employed .....	6,881	6,347	6,163	5,827	384	412	400	390
Agriculture .....	412	391	394	388	15	21	29	44
Nonagricultural industries .....	6,268	5,957	5,769	5,459	369	391	371	346
Unemployed .....	2,028	1,996	1,580	1,508	407	431	153	164
Unemployment rate .....	23.3	23.9	20.4	20.6	51.5	51.1	27.7	29.8
Not in labor force .....	7,116	7,002	5,389	5,362	1,465	1,391	613	631

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-58. Employment status of civilians of Mexican, Puerto Rican, and Cuban origin by sex and age**

(Numbers in thousands)

Employment status, sex, and age	Total Hispanic origin <sup>1</sup>		Mexican origin		Puerto Rican origin		Cuban origin	
	1982	1983	1982	1983	1982	1983	1982	1983
<b>TOTAL</b>								
Civilian noninstitutional population .....	9,320	9,717	5,607	5,845	1,186	1,255	713	752
Civilian labor force .....	5,975	6,202	3,732	3,842	599	610	452	516
Percent of population .....	64.1	63.8	66.6	65.7	50.5	48.6	63.4	68.6
Employed .....	5,188	5,338	3,265	3,269	496	514	403	454
Agriculture .....	256	336	233	308	4	5	4	5
Nonagricultural industries .....	4,932	5,002	3,032	2,961	492	509	400	449
Unemployed .....	787	864	467	573	103	96	49	62
Unemployment rate .....	13.2	13.9	12.5	14.9	17.2	15.8	10.8	12.0
Not in labor force .....	3,345	3,515	1,875	2,003	587	645	261	236
<b>Men, 16 years and over</b>								
Civilian noninstitutional population .....	4,449	4,555	2,771	2,857	518	512	340	346
Civilian labor force .....	3,577	3,705	2,312	2,354	362	364	252	279
Percent of population .....	80.4	81.3	83.4	82.4	69.9	71.1	74.1	80.6
Employed .....	3,123	3,206	2,017	2,032	303	301	232	248
Agriculture .....	222	284	202	258	3	4	4	5
Nonagricultural industries .....	2,900	2,923	1,815	1,774	301	297	228	243
Unemployed .....	454	499	295	342	59	63	20	31
Unemployment rate .....	12.7	13.5	12.8	14.4	16.3	17.3	7.9	11.1
Not in labor force .....	872	850	458	484	156	148	88	67
<b>Men, 20 years and over</b>								
Civilian noninstitutional population .....	3,861	3,957	2,385	2,462	434	438	311	309
Civilian labor force .....	3,266	3,370	2,082	2,132	336	339	236	254
Percent of population .....	84.6	85.2	87.3	86.6	77.4	77.4	75.9	82.2
Employed .....	2,900	2,970	1,852	1,855	287	292	221	229
Agriculture .....	197	243	177	220	3	4	4	5
Nonagricultural industries .....	2,703	2,726	1,675	1,635	284	288	217	224
Unemployed .....	366	401	230	276	49	47	16	25
Unemployment rate .....	11.2	11.9	11.0	13.0	14.7	13.9	6.6	9.9
Not in labor force .....	595	587	303	331	98	99	75	54
<b>Women, 16 years and over</b>								
Civilian noninstitutional population .....	4,871	5,162	2,836	2,987	668	743	373	406
Civilian labor force .....	2,398	2,497	1,420	1,468	237	246	201	237
Percent of population .....	49.2	48.4	50.1	49.1	35.5	33.1	53.9	58.4
Employed .....	2,065	2,132	1,248	1,237	193	213	172	206
Agriculture .....	33	52	31	50	1	1	-	-
Nonagricultural industries .....	2,032	2,080	1,217	1,187	192	212	172	206
Unemployed .....	332	365	172	231	44	33	29	31
Unemployment rate .....	13.8	14.6	12.1	15.8	18.6	13.5	14.4	13.1
Not in labor force .....	2,473	2,665	1,417	1,519	431	497	173	169
<b>Women, 20 years and over</b>								
Civilian noninstitutional population .....	4,293	4,575	2,458	2,634	589	647	343	374
Civilian labor force .....	2,156	2,278	1,249	1,327	216	226	185	223
Percent of population .....	50.2	49.8	50.8	50.4	36.7	34.9	53.9	59.6
Employed .....	1,888	1,978	1,122	1,145	179	200	160	190
Agriculture .....	30	48	28	47	1	1	-	-
Nonagricultural industries .....	1,858	1,930	1,094	1,098	178	199	160	190
Unemployed .....	267	299	127	182	37	26	24	32
Unemployment rate .....	12.4	13.1	10.2	13.7	17.2	11.5	13.2	14.6
Not in labor force .....	2,137	2,298	1,209	1,307	373	421	158	152
<b>Both sexes, 16 to 19 years</b>								
Civilian noninstitutional population .....	1,167	1,184	764	749	163	170	59	69
Civilian labor force .....	554	554	402	384	47	45	32	39
Percent of population .....	47.5	46.8	52.6	51.3	28.8	26.5	( <sup>2</sup> )	56.5
Employed .....	400	390	291	269	30	22	23	35
Agriculture .....	29	44	28	41	-	-	-	-
Nonagricultural industries .....	371	346	263	228	30	22	23	35
Unemployed .....	153	164	111	115	17	23	9	4
Unemployment rate .....	27.7	29.6	27.5	30.0	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Not in labor force .....	613	631	363	365	116	125	27	30

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

<sup>2</sup> Data not shown where base is less than 60,000.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-59. Employed civilians by selected social and economic categories, race, and Hispanic origin**

(In thousands)

Category	Total		White		Black		Hispanic origin	
	1982	1983	1982	1983	1982	1983	1982	1983
<b>CHARACTERISTIC</b>								
Total (all civilian workers) .....	99,833	100,065	88,308	88,307	9,136	9,244	5,188	5,338
Men .....	58,684	58,555	50,710	50,515	4,651	4,884	3,123	3,206
Women .....	43,148	43,510	37,598	37,792	4,485	4,560	2,065	2,132
<b>OCCUPATION</b>								
Managerial and professional specialty .....	23,066	23,534	21,245	21,471	( <sup>1</sup> )	1,363	( <sup>1</sup> )	601
Executive, administrative, and managerial .....	10,547	10,708	9,890	9,924	( <sup>1</sup> )	510	( <sup>1</sup> )	284
Professional specialty .....	12,519	12,827	11,354	11,548	( <sup>1</sup> )	853	( <sup>1</sup> )	317
Technical, sales, and administrative support .....	30,632	30,870	27,582	27,814	( <sup>1</sup> )	2,315	( <sup>1</sup> )	1,353
Technicians and related support .....	2,941	3,001	2,578	2,668	( <sup>1</sup> )	219	( <sup>1</sup> )	87
Sales occupations .....	11,111	11,623	10,370	10,826	( <sup>1</sup> )	535	( <sup>1</sup> )	425
Administrative support, including clerical .....	16,581	16,248	14,834	14,319	( <sup>1</sup> )	1,561	( <sup>1</sup> )	841
Service occupations .....	13,541	13,628	10,906	11,024	( <sup>1</sup> )	2,191	( <sup>1</sup> )	917
Private household .....	980	953	890	681	( <sup>1</sup> )	243	( <sup>1</sup> )	82
Protective service .....	1,600	1,839	1,378	1,408	( <sup>1</sup> )	208	( <sup>1</sup> )	76
Service, except private household and protective .....	10,962	11,037	8,840	8,935	( <sup>1</sup> )	1,739	( <sup>1</sup> )	756
Precision production, craft, and repair .....	11,879	12,015	10,848	10,982	( <sup>1</sup> )	791	( <sup>1</sup> )	743
Mechanics and repairers .....	3,934	4,038	3,612	3,717	( <sup>1</sup> )	255	( <sup>1</sup> )	217
Construction trades .....	4,020	4,183	3,670	3,855	( <sup>1</sup> )	252	( <sup>1</sup> )	248
Other precision production, craft, and repair .....	3,924	3,793	3,565	3,409	( <sup>1</sup> )	284	( <sup>1</sup> )	278
Operators, fabricators, and laborers .....	16,787	16,020	14,112	13,396	( <sup>1</sup> )	2,272	( <sup>1</sup> )	1,342
Machine operators, assemblers, and inspectors .....	6,072	7,831	6,747	6,338	( <sup>1</sup> )	1,071	( <sup>1</sup> )	711
Transportation and material moving occupations .....	4,234	4,193	3,642	3,575	( <sup>1</sup> )	564	( <sup>1</sup> )	263
Handlers, equipment cleaners, helpers, and laborers .....	4,461	4,196	3,723	3,484	( <sup>1</sup> )	637	( <sup>1</sup> )	368
Construction laborers .....	545	828	441	528	( <sup>1</sup> )	95	( <sup>1</sup> )	78
Other handlers, equipment cleaners, helpers, and laborers .....	3,916	3,570	3,282	2,957	( <sup>1</sup> )	542	( <sup>1</sup> )	290
Farming, forestry, and fishing .....	3,904	3,998	3,548	3,619	( <sup>1</sup> )	311	( <sup>1</sup> )	361
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	1,549	1,678	1,349	1,486	159	184	226	307
Self-employed workers .....	1,694	1,621	1,628	1,564	39	31	29	25
Unpaid family workers .....	283	261	279	254	2	4	1	4
Nonagricultural industries:								
Wage and salary workers .....	88,554	88,608	77,809	77,595	8,607	8,757	4,657	4,705
Government .....	15,553	15,560	13,020	12,896	2,146	2,262	882	896
Private industries .....	73,002	73,048	64,789	64,699	6,461	6,495	3,976	4,007
Private households .....	1,195	1,245	871	917	305	295	88	96
Other industries .....	71,807	71,803	63,918	63,782	6,156	6,200	3,888	3,911
Self-employed workers .....	7,325	7,533	6,849	7,069	320	282	265	268
Unpaid family workers .....	427	387	393	338	10	5	20	9
<b>FULL- AND PART-TIME STATUS<sup>2</sup></b>								
Full-time schedules .....	79,348	79,844	69,977	70,308	7,430	7,493	4,196	4,333
Part time for economic reasons .....	6,039	6,209	5,080	5,140	825	918	421	436
Part time for noneconomic reasons .....	14,446	14,012	13,251	12,859	681	834	571	569

<sup>1</sup> Data for 1982 are not shown because they do not meet reliability standards for publication.

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

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-60. Employed civilians of Mexican, Puerto Rican, and Cuban origin by selected social and economic categories**

(In thousands)

Category	Total Hispanic origin <sup>1</sup>		Mexican origin		Puerto Rican origin		Cuban origin	
	1982	1983	1982	1983	1982	1983	1982	1983
<b>CHARACTERISTIC</b>								
Total (all civilian workers) .....	5,188	5,338	3,265	3,269	495	514	403	454
Men .....	3,123	3,206	2,017	2,032	303	301	232	248
Women .....	2,065	2,132	1,248	1,237	193	213	172	208
<b>OCCUPATION</b>								
Managerial and professional specialty .....	( <sup>2</sup> )	601	( <sup>2</sup> )	291	( <sup>2</sup> )	56	( <sup>2</sup> )	74
Executive, administrative, and managerial .....	( <sup>2</sup> )	284	( <sup>2</sup> )	154	( <sup>2</sup> )	23	( <sup>2</sup> )	33
Professional specialty .....	( <sup>2</sup> )	317	( <sup>2</sup> )	137	( <sup>2</sup> )	33	( <sup>2</sup> )	40
Technical, sales, and administrative support .....	( <sup>2</sup> )	1,353	( <sup>2</sup> )	748	( <sup>2</sup> )	153	( <sup>2</sup> )	137
Technicians and related support .....	( <sup>2</sup> )	87	( <sup>2</sup> )	43	( <sup>2</sup> )	5	( <sup>2</sup> )	11
Sales occupations .....	( <sup>2</sup> )	425	( <sup>2</sup> )	250	( <sup>2</sup> )	33	( <sup>2</sup> )	45
Administrative support, including clerical .....	( <sup>2</sup> )	841	( <sup>2</sup> )	455	( <sup>2</sup> )	115	( <sup>2</sup> )	81
Service occupations .....	( <sup>2</sup> )	917	( <sup>2</sup> )	524	( <sup>2</sup> )	109	( <sup>2</sup> )	61
Private household .....	( <sup>2</sup> )	82	( <sup>2</sup> )	44	( <sup>2</sup> )	1	( <sup>2</sup> )	2
Protective service .....	( <sup>2</sup> )	78	( <sup>2</sup> )	31	( <sup>2</sup> )	17	( <sup>2</sup> )	8
Service, except private household and protective .....	( <sup>2</sup> )	758	( <sup>2</sup> )	449	( <sup>2</sup> )	91	( <sup>2</sup> )	52
Precision production, craft, and repair .....	( <sup>2</sup> )	743	( <sup>2</sup> )	507	( <sup>2</sup> )	65	( <sup>2</sup> )	54
Mechanics and repairers .....	( <sup>2</sup> )	217	( <sup>2</sup> )	133	( <sup>2</sup> )	28	( <sup>2</sup> )	23
Construction trades .....	( <sup>2</sup> )	248	( <sup>2</sup> )	184	( <sup>2</sup> )	17	( <sup>2</sup> )	16
Other precision production, craft, and repair .....	( <sup>2</sup> )	278	( <sup>2</sup> )	191	( <sup>2</sup> )	19	( <sup>2</sup> )	18
Operators, fabricators, and laborers .....	( <sup>2</sup> )	1,342	( <sup>2</sup> )	662	( <sup>2</sup> )	125	( <sup>2</sup> )	120
Machine operators, assemblers, and inspectors .....	( <sup>2</sup> )	711	( <sup>2</sup> )	438	( <sup>2</sup> )	79	( <sup>2</sup> )	69
Transportation and material moving occupations .....	( <sup>2</sup> )	263	( <sup>2</sup> )	178	( <sup>2</sup> )	25	( <sup>2</sup> )	13
Handlers, equipment cleaners, helpers, and laborers .....	( <sup>2</sup> )	368	( <sup>2</sup> )	247	( <sup>2</sup> )	21	( <sup>2</sup> )	38
Construction laborers .....	( <sup>2</sup> )	78	( <sup>2</sup> )	67	( <sup>2</sup> )	2	( <sup>2</sup> )	5
Other handlers, equipment cleaners, helpers, and laborers .....	( <sup>2</sup> )	290	( <sup>2</sup> )	180	( <sup>2</sup> )	20	( <sup>2</sup> )	33
Farming, forestry, and fishing .....	( <sup>2</sup> )	381	( <sup>2</sup> )	337	( <sup>2</sup> )	7	( <sup>2</sup> )	8
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	226	307	217	294	2	5	-	1
Self-employed workers .....	29	25	16	11	1	-	4	4
Unpaid family workers .....	1	4	-	3	1	-	-	-
Nonagricultural industries:								
Wage and salary workers .....	4,657	4,705	2,878	2,780	478	487	357	423
Government .....	682	698	482	450	73	80	28	33
Private industries .....	3,976	4,007	2,415	2,330	406	407	329	390
Private households .....	88	96	57	53	-	1	-	2
Other industries .....	3,888	3,911	2,358	2,277	406	406	329	388
Self-employed workers .....	255	286	142	174	11	22	42	26
Unpaid family workers .....	20	9	12	7	2	-	1	-
<b>FULL- AND PART-TIME STATUS<sup>2</sup></b>								
Full-time schedules .....	4,196	4,333	2,582	2,620	434	441	336	376
Part time for economic reasons .....	421	436	317	311	28	28	19	28
Part time for noneconomic reasons .....	571	569	367	338	35	45	49	50

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

<sup>2</sup> Data for 1982 are not shown because they do not meet reliability

standards for publication.

<sup>3</sup> Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-61. Employed civilians by sex, age, race, and Hispanic origin**

(In thousands)

Sex and age	Total		White		Black		Hispanic origin	
	II 1982	II 1983	II 1982	II 1983	II 1982	II 1983	II 1982	II 1983
Total, 16 years and over .....	99,833	100,065	88,308	88,307	9,136	9,244	5,188	5,338
16 to 19 years .....	6,681	6,347	6,163	5,827	384	412	400	390
16 to 17 years .....	2,563	2,302	2,406	2,145	109	119	128	121
18 to 19 years .....	4,117	4,046	3,757	3,681	275	293	273	268
20 to 24 years .....	13,751	13,594	12,176	12,030	1,267	1,274	873	854
25 years and over .....	79,401	80,125	69,970	70,449	7,485	7,558	3,915	4,094
25 to 54 years .....	64,978	65,967	56,928	57,686	6,350	6,419	3,495	3,613
55 years and over .....	14,423	14,158	13,041	12,763	1,135	1,140	421	480
Men, 16 years and over .....	56,684	56,555	50,710	50,515	4,651	4,684	3,123	3,206
16 to 19 years .....	3,506	3,365	3,222	3,084	205	219	223	237
16 to 17 years .....	1,398	1,237	1,312	1,156	56	62	76	72
18 to 19 years .....	2,108	2,129	1,909	1,928	149	157	147	164
20 to 24 years .....	7,268	7,211	6,444	6,377	655	687	526	499
25 years and over .....	45,910	45,979	41,044	41,053	3,791	3,777	2,374	2,471
25 to 54 years .....	37,271	37,556	33,152	33,369	3,196	3,197	2,103	2,184
55 years and over .....	8,640	8,423	7,892	7,685	595	581	272	287
Women, 16 years and over .....	43,148	43,510	37,598	37,792	4,485	4,560	2,065	2,132
16 to 19 years .....	3,174	2,982	2,941	2,743	179	193	177	153
16 to 17 years .....	1,165	1,065	1,093	990	53	57	51	49
18 to 19 years .....	2,009	1,917	1,848	1,753	126	136	126	104
20 to 24 years .....	6,483	6,383	5,732	5,653	612	586	347	355
25 years and over .....	33,491	34,145	28,926	29,396	3,694	3,781	1,541	1,623
25 to 54 years .....	27,707	28,411	23,776	24,317	3,154	3,222	1,392	1,430
55 years and over .....	5,785	5,734	5,149	5,078	540	559	149	194

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**A-62. Unemployment rates by sex, age, race, and Hispanic origin**

(Civilian workers)

Sex and age	Total		White		Black		Hispanic origin	
	II 1982	II 1983	II 1982	II 1983	II 1982	II 1983	II 1982	II 1983
Total, 16 years and over .....	9.3	10.0	8.2	8.7	18.5	20.6	13.2	13.9
16 to 19 years .....	23.3	23.9	20.4	20.6	51.5	51.1	27.7	29.6
16 to 17 years .....	25.8	27.6	23.4	24.5	56.5	57.0	34.2	35.2
18 to 19 years .....	21.6	21.7	18.4	18.1	49.1	48.3	24.2	26.8
20 to 24 years .....	14.5	15.1	12.4	12.6	29.7	32.6	16.9	17.6
25 years and over .....	6.9	7.7	6.2	6.8	13.1	15.2	10.4	11.2
25 to 54 years .....	7.4	8.2	6.5	7.2	14.0	16.1	10.5	11.5
55 years and over .....	4.9	5.5	4.6	5.1	7.9	9.2	10.0	9.1
Men, 16 years and over .....	9.4	10.4	8.4	9.1	19.4	21.9	12.7	13.5
16 to 19 years .....	24.0	23.9	21.1	20.4	52.1	51.8	28.4	29.3
16 to 17 years .....	25.7	26.8	23.2	23.8	59.0	57.2	34.4	36.0
18 to 19 years .....	22.7	22.2	19.6	18.2	49.3	49.3	24.8	25.9
20 to 24 years .....	15.6	16.5	13.6	14.2	30.0	32.3	17.6	17.4
25 years and over .....	7.0	8.1	6.3	7.2	13.9	16.5	9.7	10.7
25 to 54 years .....	7.5	8.6	6.7	7.6	14.6	17.3	9.7	10.7
55 years and over .....	5.0	6.0	4.5	5.4	10.3	11.6	9.0	10.6
Women, 16 years and over .....	9.2	9.5	8.0	8.2	17.6	19.3	13.9	14.6
16 to 19 years .....	22.5	23.9	19.6	20.8	50.7	50.4	26.8	30.1
16 to 17 years .....	25.9	28.5	23.6	25.4	54.4	56.8	33.8	34.1
18 to 19 years .....	20.4	21.1	17.1	17.9	48.9	47.1	23.5	28.0
20 to 24 years .....	13.2	13.4	10.9	10.6	29.4	33.0	16.0	17.9
25 years and over .....	6.8	7.2	6.0	6.3	12.3	13.8	11.5	12.0
25 to 54 years .....	7.2	7.7	6.3	6.7	13.4	14.9	11.6	12.7
55 years and over .....	4.8	4.7	4.8	4.5	5.3	6.7	11.2	6.7



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-63. Unemployed persons by duration of unemployment, race, and Hispanic origin**

(Numbers in thousands)

Weeks of unemployment	Total		White		Black		Hispanic origin	
	II 1982	II 1983	II 1982	II 1983	II 1982	II 1983	II 1982	II 1983
<b>DURATION</b>								
Total, 16 years and over .....	10,266	11,123	7,903	8,403	2,074	2,399	787	864
Less than 5 weeks .....	3,898	3,691	3,030	2,740	760	838	313	321
5 to 14 weeks .....	2,830	2,587	2,192	2,031	541	481	239	258
15 weeks and over .....	3,538	4,846	2,881	3,631	773	1,079	235	284
15 to 26 weeks .....	1,821	1,923	1,419	1,481	352	383	123	125
27 weeks and over .....	1,717	2,923	1,262	2,150	421	697	112	159
Average (mean) duration, in weeks .....	15.5	21.0	15.0	20.5	17.6	22.6	14.0	15.9
Median duration, in weeks .....	8.6	11.4	8.4	11.4	8.3	10.6	7.7	8.8
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	38.0	33.2	38.3	32.6	36.7	35.0	39.8	37.2
5 to 14 weeks .....	27.8	23.3	27.7	24.2	26.1	20.0	30.4	29.9
15 weeks and over .....	34.5	43.6	33.9	43.2	37.3	45.0	29.9	32.9
15 to 26 weeks .....	17.7	17.3	18.0	17.6	17.0	15.9	15.6	14.5
27 weeks and over .....	16.7	26.3	16.0	25.8	20.3	29.1	14.2	18.4

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**A-64. Unemployed persons by reason for unemployment, race, and Hispanic origin**

(Numbers in thousands)

Reasons for unemployment	Total		White		Black		Hispanic origin	
	II 1982	II 1983	II 1982	II 1983	II 1982	II 1983	II 1982	II 1983
<b>NUMBER OF UNEMPLOYED</b>								
Total, 16 years and over .....	10,266	11,123	7,903	8,403	2,074	2,399	787	864
Job losers .....	5,817	6,483	4,588	5,078	1,190	1,340	471	531
On layoff .....	1,865	1,775	1,572	1,510	287	238	114	109
Other job losers .....	3,952	4,708	3,016	3,568	923	1,102	356	422
Job leavers .....	815	755	679	616	12	24	75	56
Reentrants .....	2,424	2,479	1,779	1,738	567	653	150	183
New entrants .....	1,210	1,408	857	970	305	381	91	114
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	56.7	58.3	58.1	60.4	57.4	55.9	59.8	61.4
On layoff .....	18.2	16.0	19.9	18.0	12.9	9.9	14.5	12.6
Other job losers .....	38.5	42.3	38.2	42.5	44.5	45.9	45.2	48.8
Job leavers .....	7.9	6.8	8.6	7.3	.6	1.0	9.5	6.5
Reentrants .....	23.6	22.3	22.5	20.7	27.3	27.2	19.1	18.9
New entrants .....	11.8	12.6	10.8	11.5	14.7	15.9	11.6	13.2
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>								
Job losers .....	5.3	5.8	4.8	5.3	10.6	11.5	7.9	8.6
Job leavers .....	.7	.7	.7	.6	.1	.2	1.3	.9
Reentrants .....	2.2	2.2	1.8	1.8	5.1	5.6	2.5	2.6
New entrants .....	1.1	1.3	.9	1.0	2.7	3.3	1.5	1.8

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-65. Employment status of male Vietnam-era veterans and nonveterans by age**

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	 1982	 1983	Total		Employed		Unemployed			
			 1982	 1983	 1982	 1983	Number		Percent of labor force	
							 1982	 1983	 1982	 1983
<b>VETERANS</b>										
Total, 25 years and over .....	8,681	7,840	8,194	7,342	7,494	6,679	700	663	8.5	9.0
25 to 39 years .....	7,172	5,911	6,876	5,646	6,244	5,094	633	552	9.2	9.8
25 to 29 years .....	1,252	701	1,157	651	958	554	199	97	17.2	14.9
30 to 34 years .....	2,988	2,207	2,870	2,102	2,629	1,882	241	220	8.4	10.5
35 to 39 years .....	2,932	3,002	2,849	2,894	2,656	2,658	192	236	6.8	8.1
40 years and over .....	1,509	1,929	1,317	1,696	1,250	1,585	67	111	5.1	6.5
<b>NONVETERANS</b>										
Total, 25 to 39 years .....	18,087	19,889	17,165	18,805	15,713	17,011	1,451	1,795	8.5	9.5
25 to 29 years .....	8,129	8,669	7,672	8,149	6,909	7,217	763	931	9.9	11.4
30 to 34 years .....	5,907	6,712	5,660	6,376	5,213	5,848	447	528	7.9	8.3
35 to 39 years .....	4,052	4,509	3,832	4,280	3,591	3,945	241	335	6.3	7.8

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

**A-66. Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin**

(Numbers in thousands)

Employment status and age	Veterans						Nonveterans					
	White		Black		Hispanic origin		White		Black		Hispanic origin	
	 1982	 1983	 1982	 1983	 1982	 1983	 1982	 1983	 1982	 1983	 1982	 1983
<b>TOTAL, 25 to 39 years</b>												
Civilian noninstitutional population .....	6,422	5,237	661	588	292	227	15,574	17,217	1,903	2,039	1,361	1,446
Civilian labor force .....	8,197	5,034	594	532	261	218	14,926	16,437	1,709	1,808	1,276	1,370
Employed .....	5,679	4,611	486	421	250	202	13,819	15,051	1,424	1,453	1,151	1,220
Unemployed .....	518	424	109	111	31	16	1,107	1,387	285	353	127	150
Unemployment rate .....	8.4	8.4	18.4	20.9	11.0	7.3	7.4	8.4	16.7	19.5	9.9	10.9
<b>25 to 29 years</b>												
Civilian noninstitutional population .....	1,097	593	142	89	52	36	7,048	7,540	849	894	603	630
Civilian labor force .....	1,027	561	117	73	51	36	6,726	7,162	761	761	566	593
Employed .....	860	491	88	55	43	32	6,141	6,433	604	600	506	524
Unemployed .....	167	70	33	18	8	4	585	729	156	181	60	69
Unemployment rate .....	16.3	12.5	28.2	24.7	( <sup>1</sup> )	( <sup>1</sup> )	8.7	10.2	20.5	23.2	10.6	11.6
<b>30 to 34 years</b>												
Civilian noninstitutional population .....	2,651	1,956	295	225	136	98	5,086	5,776	600	708	429	487
Civilian labor force .....	2,563	1,867	267	209	129	96	4,910	5,537	548	638	414	464
Employed .....	2,372	1,695	221	167	116	91	4,571	5,135	461	531	371	419
Unemployed .....	191	173	46	41	13	5	339	402	87	106	43	45
Unemployment rate .....	7.5	9.3	17.2	19.6	10.1	5.2	6.9	7.3	15.9	16.6	10.4	9.7
<b>35 to 39 years</b>												
Civilian noninstitutional population .....	2,674	2,888	224	274	104	91	3,440	3,901	454	439	329	329
Civilian labor force .....	2,607	2,606	210	250	101	86	3,290	3,738	400	389	298	313
Employed .....	2,447	2,425	179	199	91	79	3,107	3,483	359	322	274	277
Unemployed .....	160	181	30	52	10	7	183	256	42	66	24	36
Unemployment rate .....	6.1	6.9	14.3	20.8	9.9	8.1	5.6	6.8	10.5	17.0	8.1	11.5

<sup>1</sup> Data not shown where base is less than 60,000.

NOTE: Detail for the above race and Hispanic-origin groups will not

sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-87. Employment status of the civilian noninstitutional population in metropolitan and nonmetropolitan areas by sex, age, race, and Hispanic origin**

(Numbers in thousands)

Employment status, sex, age, and race	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
<b>TOTAL</b>												
Civilian noninstitutional population .....	117,501	118,706	48,073	48,825	69,429	70,081	54,519	55,251	4,107	4,372	50,412	50,879
Civilian labor force .....	76,315	77,092	30,230	30,538	48,085	46,554	33,784	34,097	2,729	2,846	31,055	31,251
Percent of population .....	64.9	64.9	62.9	62.8	66.4	66.4	62.0	61.7	66.5	65.1	61.6	61.4
Employed .....	69,390	69,570	27,012	27,022	42,378	42,548	30,443	30,496	2,601	2,722	27,842	27,774
Unemployed .....	6,925	7,522	3,218	3,516	3,706	4,006	3,341	3,601	128	124	3,213	3,477
Unemployment rate .....	8.1	9.8	10.6	11.5	8.0	8.6	9.9	10.8	4.7	4.4	10.3	11.1
Not in labor force .....	41,188	41,615	17,843	18,088	23,344	23,527	20,735	21,154	1,378	1,526	19,357	19,626
<b>Men, 20 years and over</b>												
Civilian noninstitutional population .....	50,194	50,934	20,250	20,458	29,944	30,476	23,298	23,779	1,875	1,995	21,423	21,784
Civilian labor force .....	40,051	40,505	15,676	15,756	24,378	24,749	17,932	18,157	1,570	1,642	18,362	18,515
Percent of population .....	79.8	79.5	77.4	77.0	81.4	81.2	77.0	78.4	83.7	82.3	78.4	75.8
Employed .....	36,788	38,790	14,103	13,971	22,665	22,619	16,410	16,400	1,515	1,595	14,895	14,805
Unemployed .....	3,283	3,716	1,572	1,784	1,711	1,932	1,522	1,757	55	47	1,467	1,710
Unemployment rate .....	8.2	9.2	10.0	11.3	7.0	7.8	8.5	8.7	3.3	2.8	9.0	10.4
Not in labor force .....	10,143	10,428	4,575	4,703	5,569	5,725	5,368	5,822	305	353	5,061	5,269
<b>Women, 20 years and over</b>												
Civilian noninstitutional population .....	56,562	57,470	23,729	24,153	32,832	33,317	26,141	26,430	1,813	1,947	24,328	24,483
Civilian labor force .....	30,387	31,019	12,507	12,851	17,880	16,168	13,020	13,165	888	950	12,132	12,215
Percent of population .....	53.7	54.0	52.7	53.2	54.5	54.5	49.6	49.8	49.0	48.8	49.9	49.9
Employed .....	28,088	28,533	11,430	11,876	16,859	16,857	11,886	11,995	649	904	11,037	11,091
Unemployed .....	2,299	2,486	1,077	1,175	1,222	1,311	1,134	1,169	40	48	1,094	1,123
Unemployment rate .....	7.8	8.0	8.8	9.1	8.8	7.2	8.7	8.9	4.5	4.8	9.0	9.2
Not in labor force .....	26,174	26,451	11,223	11,303	14,951	15,148	13,122	13,265	925	998	12,197	12,269
<b>Both sexes, 16 to 19 years</b>												
Civilian noninstitutional population .....	10,745	10,303	4,092	4,014	6,853	6,289	5,080	5,042	419	430	4,861	4,812
Civilian labor force .....	5,878	5,567	2,047	1,932	3,830	3,835	2,833	2,778	271	254	2,582	2,522
Percent of population .....	54.7	54.0	50.0	48.1	57.6	57.8	55.8	55.0	84.6	59.1	55.0	54.7
Employed .....	4,533	4,247	1,478	1,378	3,058	2,871	2,147	2,100	237	223	1,910	1,877
Unemployed .....	1,343	1,320	570	556	774	764	666	675	33	31	853	644
Unemployment rate .....	22.9	23.7	27.8	28.8	20.2	21.0	24.2	24.3	12.3	12.4	25.5	25.5
Not in labor force .....	4,869	4,735	2,045	2,062	2,824	2,853	2,248	2,267	148	176	2,100	2,091
<b>White</b>												
Civilian noninstitutional population .....	99,889	100,841	35,964	36,636	63,926	64,205	49,420	49,825	3,914	4,186	45,506	45,839
Civilian labor force .....	65,348	65,844	23,020	23,327	42,328	42,517	30,883	30,865	2,622	2,746	28,241	28,119
Percent of population .....	65.4	65.3	64.0	63.7	66.2	66.2	62.5	61.9	87.0	85.6	82.1	81.8
Employed .....	60,249	60,409	21,107	21,278	39,142	39,131	28,059	27,896	2,513	2,836	25,546	25,262
Unemployed .....	5,099	5,436	1,913	2,047	3,186	3,389	2,804	2,967	110	110	2,894	2,857
Unemployment rate .....	7.8	8.3	8.3	8.8	7.5	8.0	9.1	9.8	4.2	4.0	9.5	10.2
Not in labor force .....	34,541	34,996	12,943	13,309	21,598	21,687	18,557	18,960	1,292	1,440	17,285	17,520
<b>Black</b>												
Civilian noninstitutional population .....	14,270	14,332	10,406	10,244	3,864	4,088	4,271	4,548	151	147	4,120	4,401
Civilian labor force .....	8,900	8,955	6,119	6,125	2,881	2,830	2,411	2,687	84	77	2,327	2,810
Percent of population .....	81.7	82.5	58.8	59.8	69.4	69.2	56.5	59.1	55.8	52.4	58.5	59.3
Employed .....	7,181	7,084	4,931	4,781	2,250	2,323	1,955	2,159	70	85	1,885	2,094
Unemployed .....	1,619	1,870	1,189	1,384	430	506	455	528	14	12	441	516
Unemployment rate .....	18.4	20.9	19.4	22.3	18.0	17.9	18.9	19.7	16.9	16.0	19.0	19.8
Not in labor force .....	5,470	5,377	4,287	4,119	1,183	1,258	1,861	1,861	67	70	1,794	1,791
<b>Hispanic origin</b>												
Civilian noninstitutional population .....	7,940	8,252	4,879	4,839	3,261	3,413	1,380	1,465	60	70	1,320	1,395
Civilian labor force .....	5,109	5,273	2,891	2,957	2,218	2,318	866	929	35	49	831	880
Percent of population .....	64.3	63.9	61.8	61.1	68.0	67.9	62.8	63.4	58.3	70.5	63.0	63.1
Employed .....	4,437	4,584	2,493	2,560	1,944	2,024	751	753	31	43	720	710
Unemployed .....	872	688	398	398	274	290	115	176	4	6	111	170
Unemployment rate .....	13.1	13.1	13.8	13.5	12.4	12.5	13.3	18.9	( <sup>1</sup> )	( <sup>1</sup> )	13.4	19.3
Not in labor force .....	2,832	2,979	1,788	1,882	1,044	1,097	513	536	25	21	488	515

<sup>1</sup> Data not shown where base is less than 60,000.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals

because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-68. Employment status of the civilian noninstitutional population in poverty and nonpoverty areas by race and Hispanic origin**

(Numbers in thousands)

Employment status and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
<b>TOTAL</b>												
Civilian noninstitutional population .....	29,955	29,956	142,066	144,001	11,233	11,025	106,268	107,681	18,721	18,931	35,798	36,320
Civilian labor force .....	16,929	16,873	93,170	94,316	6,112	5,950	70,203	71,142	10,817	10,923	22,967	23,174
Percent of population .....	56.5	56.3	65.6	65.5	54.4	54.0	66.1	66.1	57.8	57.7	64.2	63.8
Employed .....	14,771	14,376	85,082	85,689	5,081	4,818	64,309	64,751	9,690	9,558	20,753	20,938
Unemployed .....	2,158	2,496	8,109	8,627	1,031	1,132	5,894	6,390	1,127	1,365	2,214	2,237
Unemployment rate .....	12.7	14.8	8.7	9.1	18.9	19.0	8.4	9.0	10.4	12.5	9.6	9.7
Men, 20 years and over .....	10.9	13.7	7.8	8.5	15.5	18.8	7.6	8.4	8.5	11.2	8.5	9.0
Women, 20 years and over .....	11.1	12.1	7.3	7.6	13.5	14.7	7.0	7.4	9.7	10.6	8.3	8.1
Both sexes, 16 to 19 years .....	32.5	35.1	21.6	21.8	44.5	44.1	21.0	21.9	26.5	30.5	23.1	21.5
Men .....	31.1	31.4	22.5	22.3	44.6	41.3	22.1	22.5	24.6	26.0	23.6	21.9
Women .....	34.5	40.2	20.5	21.2	44.3	48.6	19.8	21.3	29.1	36.3	22.7	20.9
Not in labor force .....	13,026	13,083	48,895	49,685	5,122	5,075	36,065	36,539	7,904	8,008	12,831	13,146
<b>White</b>												
Civilian noninstitutional population .....	21,072	21,125	128,237	129,540	5,686	5,691	94,203	95,150	15,386	15,435	34,034	34,391
Civilian labor force .....	12,306	12,143	83,905	84,567	3,244	3,172	62,104	62,672	9,082	8,971	21,801	21,894
Percent of population .....	58.4	57.5	65.4	65.3	57.1	55.7	65.9	65.9	58.9	58.1	64.1	63.7
Employed .....	11,121	10,784	77,187	77,523	2,841	2,767	57,408	57,642	8,280	8,017	19,779	19,881
Unemployed .....	1,185	1,359	6,718	7,044	403	405	4,696	5,030	782	954	2,022	2,014
Unemployment rate .....	9.6	11.2	8.0	8.3	12.4	12.8	7.6	8.0	8.6	10.6	9.3	9.2
Men, 20 years and over .....	8.2	10.6	7.2	7.9	11.3	11.8	8.8	7.6	7.1	10.2	8.3	8.6
Women, 20 years and over .....	8.3	9.0	6.7	6.6	9.7	10.8	6.2	6.5	7.9	8.3	7.8	7.6
Both sexes, 16 to 19 years .....	24.9	25.9	19.7	19.8	34.2	30.2	18.9	19.4	22.0	24.5	22.1	20.8
Men .....	23.9	22.8	20.6	19.9	36.0	30.2	20.0	19.5	20.5	20.1	22.3	21.1
Women .....	26.3	30.7	18.8	19.6	32.2	30.2	17.6	19.3	24.1	30.8	21.9	20.4
Not in labor force .....	8,766	8,983	44,332	44,974	2,442	2,519	32,099	32,477	8,324	6,464	12,233	12,497
<b>Black</b>												
Civilian noninstitutional population .....	8,210	8,182	10,331	10,698	5,241	5,069	9,029	9,263	2,969	3,114	1,302	1,435
Civilian labor force .....	4,251	4,386	6,960	7,256	2,693	2,639	6,107	6,316	1,558	1,747	853	941
Percent of population .....	51.8	53.6	67.4	67.8	51.4	52.1	67.6	68.2	52.5	56.1	65.5	65.6
Employed .....	3,335	3,330	5,802	5,914	2,085	1,941	5,097	5,144	1,250	1,389	705	770
Unemployed .....	916	1,056	1,158	1,343	609	698	1,010	1,172	307	357	148	171
Unemployment rate .....	21.5	24.1	16.6	18.5	22.6	26.5	16.5	18.6	19.7	20.5	17.3	18.2
Men, 20 years and over .....	19.8	23.3	14.9	17.0	21.9	28.7	15.4	17.1	16.3	15.5	11.5	16.5
Women, 20 years and over .....	17.6	18.8	13.8	15.9	17.7	18.6	13.4	15.8	17.4	19.1	16.8	16.8
Both sexes, 16 to 19 years .....	55.5	56.8	48.5	46.9	57.0	59.0	48.6	49.2	53.1	53.9	48.4	35.0
Men .....	52.6	54.2	51.7	50.1	53.8	54.6	51.1	53.2	50.8	53.6	( <sup>1</sup> )	( <sup>1</sup> )
Women .....	59.3	59.9	45.0	43.1	61.1	64.3	45.8	44.5	( <sup>1</sup> )	54.3	( <sup>1</sup> )	( <sup>1</sup> )
Not in labor force .....	3,959	3,797	3,371	3,442	2,548	2,430	2,922	2,948	1,411	1,367	449	494
<b>Hispanic origin</b>												
Civilian noninstitutional population .....	2,442	2,501	6,878	7,216	1,758	1,846	6,182	6,406	883	655	696	810
Civilian labor force .....	1,362	1,374	4,613	4,828	956	982	4,152	4,291	406	392	461	537
Percent of population .....	55.8	54.9	67.1	66.9	54.4	53.2	67.2	67.0	59.3	59.8	66.2	66.3
Employed .....	1,143	1,133	4,045	4,205	786	806	3,651	3,778	356	327	395	426
Unemployed .....	219	241	568	623	170	176	502	513	49	65	66	111
Unemployment rate .....	16.1	17.5	12.3	12.9	17.8	17.9	12.1	11.9	12.1	16.6	14.3	20.6
Men, 20 years and over .....	12.7	12.9	10.7	11.6	14.7	12.9	10.8	10.8	8.1	13.1	10.4	17.9
Women, 20 years and over .....	16.0	17.7	11.6	12.0	15.6	18.0	11.0	10.7	17.1	17.1	17.9	23.2
Both sexes, 16 to 19 years .....	32.9	39.1	25.5	25.8	39.5	40.4	26.1	26.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	23.6
Men .....	34.4	36.6	25.4	25.5	42.8	37.2	25.9	24.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women .....	( <sup>1</sup> )	( <sup>1</sup> )	25.7	26.2	( <sup>1</sup> )	( <sup>1</sup> )	26.4	27.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Not in labor force .....	1,060	1,127	2,265	2,388	802	864	2,029	2,115	278	263	236	273

<sup>1</sup> Data not shown where base is less than 60,000.

NOTE: Detail for the above race and Hispanic-origin groups will not

sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-69. Unemployment in families by type of family, race, Hispanic origin, and presence of employed family members**

(Numbers in thousands)

Type of family, race, and Hispanic origin	II 1982					II 1983				
	Total families	With unemployment:				Total families	With unemployment:			
		Total	Percent of families:				Total	Percent of families:		
			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
<b>TOTAL</b>										
Total families .....	61,599	7,724	30.1	69.9	60.1	61,885	8,317	29.9	70.1	59.9
With children under 18 years of age .....	31,082	4,764	32.0	68.0	58.2	31,112	5,042	31.9	68.1	57.4
Married-couple families .....	49,561	5,773	23.1	76.9	67.4	49,662	6,176	22.6	77.4	67.2
With children under 18 years of age .....	24,396	3,636	23.5	76.5	66.9	24,358	3,816	22.5	77.5	66.4
Families maintained by women .....	9,544	1,584	53.8	46.2	35.6	9,719	1,724	53.0	47.0	36.4
With children under 18 years of age .....	5,828	990	61.1	38.9	29.1	5,853	1,065	61.9	38.1	28.1
Families maintained by men .....	2,493	368	38.9	61.1	49.7	2,483	415	42.4	57.6	49.9
With children under 18 years of age .....	859	137	49.3	50.7	39.9	901	161	55.9	44.1	38.5
<b>White</b>										
Total families .....	53,543	6,011	27.6	72.4	62.5	53,590	6,411	28.0	72.0	61.8
With children under 18 years of age .....	26,156	3,638	28.7	71.3	61.2	26,082	3,837	29.1	70.9	59.8
Married-couple families .....	44,876	4,806	22.8	77.2	67.7	44,831	5,112	23.0	77.0	68.6
With children under 18 years of age .....	21,623	2,987	23.3	76.7	66.9	21,552	3,121	22.7	77.3	65.8
Families maintained by women .....	6,642	935	49.0	51.0	39.4	6,713	1,001	49.5	50.5	40.1
With children under 18 years of age .....	3,835	549	55.3	44.7	32.7	3,800	597	57.1	42.9	32.3
Families maintained by men .....	2,025	269	38.5	61.5	49.6	2,047	299	41.5	58.5	51.2
With children under 18 years of age .....	698	102	46.1	53.9	43.1	730	119	54.6	45.4	38.7
<b>Black</b>										
Total families .....	6,713	1,512	40.4	59.6	50.1	6,855	1,685	37.0	63.0	52.7
With children under 18 years of age .....	4,088	996	44.2	55.8	47.1	4,126	1,061	41.5	58.5	49.3
Married-couple families .....	3,602	805	24.4	75.6	65.8	3,710	904	20.2	79.8	69.8
With children under 18 years of age .....	2,071	541	24.0	76.0	66.5	2,071	588	20.1	79.9	70.2
Families maintained by women .....	2,710	618	61.2	38.8	29.4	2,782	680	57.9	42.1	31.2
With children under 18 years of age .....	1,870	421	68.9	31.1	23.3	1,906	436	68.8	31.2	22.7
Families maintained by men .....	401	88	41.6	58.4	50.6	363	100	46.0	54.0	44.0
With children under 18 years of age .....	147	34	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	149	37	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Hispanic origin</b>										
Total families .....	3,335	606	32.7	67.3	56.3	3,490	652	32.2	67.6	59.4
With children under 18 years of age .....	2,247	412	34.7	65.3	54.9	2,355	454	34.3	65.7	56.9
Married-couple families .....	2,437	460	28.1	71.9	61.6	2,472	474	24.7	75.3	66.2
With children under 18 years of age .....	1,676	332	31.0	69.0	59.9	1,691	342	26.6	73.4	64.3
Families maintained by women .....	719	120	47.9	52.1	38.7	825	145	55.2	44.8	35.2
With children under 18 years of age .....	514	72	51.4	48.6	34.7	591	98	59.8	40.2	30.9
Families maintained by men .....	180	26	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	192	34	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
With children under 18 years of age .....	57	9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	73	14	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Data not shown where base is less than 60,000.

NOTE: Detail for the above race and Hispanic-origin groups will not

sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-70. Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members**

(Numbers in thousands)

Family relationship, race, and Hispanic origin	II 1982				II 1983			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
<b>TOTAL</b>								
Total unemployed .....	10,266	42.1	57.9	49.6	11,123	41.5	58.5	49.7
In families .....	8,798	32.5	67.5	57.9	9,606	32.3	67.7	57.5
Husbands .....	2,352	45.4	54.6	40.6	2,624	42.5	57.5	42.4
With children under 18 years of age .....	1,552	49.4	50.6	35.4	1,680	45.5	54.5	37.7
Wives .....	1,699	22.2	77.8	70.6	1,777	22.4	77.6	70.1
With children under 18 years of age .....	1,072	20.1	79.9	73.3	1,116	20.9	79.1	70.6
Relatives in married-couple families .....	2,506	10.5	89.5	83.5	2,704	10.8	89.2	81.9
Women who maintain families .....	652	85.4	14.6	7.2	708	81.6	16.4	10.4
With children under 18 years of age .....	538	90.4	9.6	3.6	589	86.5	13.5	5.9
Relatives in families maintained by women .....	1,184	36.0	64.0	51.3	1,316	38.0	62.0	49.6
Men who maintain families .....	170	65.6	34.4	23.2	190	73.0	27.0	18.0
With children under 18 years of age .....	75	86.0	14.0	4.0	100	85.6	14.4	8.3
Relatives in families maintained by men .....	234	22.4	77.6	65.2	288	27.1	72.9	65.5
Not in families <sup>1</sup> .....	1,468	-	-	-	1,515	-	-	-
<b>White</b>								
Total unemployed .....	7,903	40.8	59.2	50.9	8,403	40.1	59.9	50.9
In families .....	6,707	30.2	69.8	60.0	7,226	30.3	69.7	59.2
Husbands .....	1,957	45.1	54.9	40.2	2,190	43.6	56.4	40.6
With children under 18 years of age .....	1,271	49.8	50.2	34.1	1,362	47.2	52.8	34.7
Wives .....	1,395	20.6	79.4	72.1	1,458	22.1	77.9	70.8
With children under 18 years of age .....	855	17.9	82.1	74.9	895	19.8	80.2	72.0
Relatives in married-couple families .....	2,015	10.6	89.4	83.9	2,143	10.3	89.7	82.1
Women who maintain families .....	368	80.8	19.2	9.0	392	78.1	21.9	13.6
With children under 18 years of age .....	289	87.4	12.6	4.2	321	84.0	16.0	7.7
Relatives in families maintained by women .....	685	33.2	66.8	54.4	713	33.9	66.1	54.1
Men who maintain families .....	122	69.9	30.1	18.3	136	73.7	26.3	17.2
With children under 18 years of age .....	52	(?)	(?)	(?)	76	83.4	16.6	10.8
Relatives in families maintained by men .....	166	19.6	80.2	87.6	192	23.3	76.7	70.0
Not in families <sup>1</sup> .....	1,196	-	-	-	1,177	-	-	-
<b>Black</b>								
Total unemployed .....	2,074	47.2	52.8	44.6	2,399	46.1	53.9	45.2
In families .....	1,845	40.6	59.4	50.1	2,111	38.8	61.2	51.3
Husbands .....	327	47.7	52.3	41.2	360	38.9	63.1	51.4
With children under 18 years of age .....	233	46.7	53.3	42.1	259	38.7	63.3	52.2
Wives .....	244	29.9	70.1	63.7	272	23.7	76.3	66.0
With children under 18 years of age .....	177	28.3	71.7	65.8	187	24.5	75.5	64.4
Relatives in married-couple families .....	421	8.9	91.1	82.4	489	11.7	88.3	81.9
Women who maintain families .....	277	91.3	8.7	5.0	294	86.6	13.4	5.7
With children under 18 years of age .....	242	93.9	6.1	2.8	250	90.2	9.8	2.9
Relatives in families maintained by women .....	475	39.7	60.3	46.8	569	43.1	56.9	44.2
Men who maintain families .....	43	(?)	(?)	(?)	46	(?)	(?)	(?)
With children under 18 years of age .....	21	(?)	(?)	(?)	21	(?)	(?)	(?)
Relatives in families maintained by men .....	59	(?)	(?)	(?)	82	37.3	62.7	53.1
Not in families <sup>1</sup> .....	229	-	-	-	2,188	-	-	-
<b>Hispanic origin</b>								
Total unemployed .....	787	43.7	56.3	46.9	864	48.4	51.6	58.9
In families .....	704	37.2	62.8	52.3	770	33.9	66.1	57.9
Husbands .....	199	53.2	46.8	35.1	222	48.4	51.6	41.0
With children under 18 years of age .....	158	58.8	41.2	30.9	163	51.9	48.1	37.4
Wives .....	147	22.7	77.3	68.3	155	19.1	80.9	73.5
With children under 18 years of age .....	107	21.7	78.3	88.4	116	16.1	83.9	75.2
Relatives in married-couple families .....	190	18.4	81.6	72.7	200	10.9	89.1	79.9
Women who maintain families .....	44	(?)	(?)	(?)	50	(?)	(?)	(?)
With children under 18 years of age .....	34	(?)	(?)	(?)	41	(?)	(?)	(?)
Relatives in families maintained by women .....	93	43.7	56.3	43.7	107	45.0	55.0	46.5
Men who maintain families .....	14	(?)	(?)	(?)	15	(?)	(?)	(?)
With children under 18 years of age .....	4	(?)	(?)	(?)	8	(?)	(?)	(?)
Relatives in families maintained by men .....	18	(?)	(?)	(?)	22	(?)	(?)	(?)
Not in families <sup>1</sup> .....	83	-	-	-	94	-	-	-

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

<sup>2</sup> Data not shown where base is less than 60,000.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-71. Employed civilians by family relationship, race, Hispanic origin, and presence of additional employed family members**

(Numbers in thousands)

Family relationship, race, and Hispanic origin	II 1982				II 1983			
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed person in family	With another employed person in family	With another person in family employed full time		With no other employed person in family	With another employed person in family	With another person in family employed full time
<b>TOTAL</b>								
Total employed .....	99,833	38.2	61.8	51.5	100,065	38.2	61.8	51.7
In families .....	84,211	26.8	73.2	81.1	84,269	28.6	73.4	61.4
Husbands .....	37,362	38.9	83.1	44.7	36,805	38.2	63.8	45.4
With children under 18 years of age .....	21,796	39.7	60.3	38.9	21,582	39.1	60.9	39.8
Wives .....	23,662	10.7	89.3	83.4	23,933	11.5	88.5	82.9
With children under 18 years of age .....	12,571	7.1	92.9	87.8	12,851	8.0	92.0	87.3
Relatives in married-couple families .....	11,390	8.7	93.3	88.5	11,781	8.9	93.1	88.3
Women who maintain families .....	5,088	65.6	34.4	21.4	4,987	65.6	34.4	22.0
With children under 18 years of age .....	3,385	78.1	21.9	9.9	3,227	79.1	20.9	9.3
Relatives in families maintained by women .....	3,668	25.2	74.8	62.8	3,792	28.7	71.3	59.7
Men who maintain families .....	1,741	56.0	44.0	31.9	1,702	58.8	43.2	31.6
With children under 18 years of age .....	703	71.6	28.4	15.5	718	73.0	27.0	16.1
Relatives in families maintained by men .....	1,299	16.9	83.1	73.4	1,289	19.1	80.9	72.5
Not in families <sup>1</sup> .....	15,822	-	-	-	15,798	-	-	-
<b>White</b>								
Total employed .....	88,308	37.7	82.3	51.7	88,307	37.8	82.4	52.1
In families .....	74,563	26.3	73.7	61.3	74,380	28.0	74.0	61.8
Husbands .....	34,009	37.3	82.7	43.8	33,409	36.8	83.4	44.5
With children under 18 years of age .....	19,544	40.3	59.7	37.3	19,361	39.7	60.3	38.1
Wives .....	21,156	10.2	89.8	84.0	21,288	10.9	89.1	83.7
With children under 18 years of age .....	10,987	6.4	93.8	88.8	11,178	7.1	92.9	88.4
Relatives in married-couple families .....	10,300	8.5	93.5	88.9	10,655	8.6	93.4	88.8
Women who maintain families .....	3,736	63.1	36.9	22.4	3,661	62.6	37.4	23.5
With children under 18 years of age .....	2,435	75.6	24.4	10.1	2,327	76.8	23.2	9.6
Relatives in families maintained by women .....	2,980	25.7	74.3	62.5	2,877	27.7	72.3	60.6
Men who maintain families .....	1,457	55.9	44.1	31.2	1,428	55.9	44.1	32.1
With children under 18 years of age .....	593	70.4	29.6	15.9	592	71.7	28.3	18.2
Relatives in families maintained by men .....	1,044	16.2	83.8	74.6	1,063	17.9	82.1	73.9
Not in families <sup>1</sup> .....	13,745	-	-	-	13,927	-	-	-
<b>Black</b>								
Total employed .....	9,137	44.3	55.7	47.9	9,244	44.3	55.7	47.9
In families .....	7,608	33.1	66.9	57.5	7,781	33.8	66.2	56.9
Husbands .....	2,524	33.0	67.0	55.1	2,527	32.0	68.0	58.2
With children under 18 years of age .....	1,857	33.4	66.8	54.2	1,615	32.8	67.2	54.3
Wives .....	1,903	16.8	83.2	78.2	1,982	18.3	81.7	74.8
With children under 18 years of age .....	1,189	14.0	86.0	78.8	1,235	15.8	84.2	78.2
Relatives in married-couple families .....	758	10.3	89.7	82.8	848	10.8	89.2	81.7
Women who maintain families .....	1,247	74.0	28.0	18.0	1,218	74.7	25.3	18.9
With children under 18 years of age .....	863	85.3	14.7	9.3	828	85.2	14.8	8.3
Relatives in families maintained by women .....	728	23.8	76.2	63.1	819	32.4	67.6	56.2
Men who maintain families .....	243	59.9	40.1	34.3	229	64.8	35.2	26.1
With children under 18 years of age .....	100	81.2	18.8	12.7	114	82.1	17.9	12.0
Relatives in families maintained by men .....	203	22.5	77.5	67.3	157	26.4	73.6	66.3
Not in families <sup>1</sup> .....	1,531	-	-	-	1,463	-	-	-
<b>Hispanic origin</b>								
Total employed .....	5,188	38.6	61.4	52.0	5,338	40.0	60.0	50.1
In families .....	4,502	29.2	70.8	59.9	4,596	30.3	69.7	58.1
Husbands .....	1,928	43.3	56.7	43.1	1,937	44.1	55.9	41.8
With children under 18 years of age .....	1,417	47.4	52.6	38.7	1,423	48.5	51.5	38.1
Wives .....	1,084	9.5	90.5	83.6	1,065	10.9	89.1	80.5
With children under 18 years of age .....	724	6.7	91.3	85.2	727	10.2	89.8	83.5
Relatives in married-couple families .....	655	6.8	93.4	84.8	701	6.7	93.3	85.2
Women who maintain families .....	294	63.9	36.1	22.6	353	65.6	34.2	24.6
With children under 18 years of age .....	204	77.3	22.7	12.2	241	75.4	24.6	12.0
Relatives in families maintained by women .....	271	27.5	72.5	58.2	264	27.4	72.6	56.1
Men who maintain families .....	134	42.3	57.7	47.3	141	45.3	54.7	47.5
With children under 18 years of age .....	44	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	55	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Relatives in families maintained by men .....	135	9.5	90.5	65.7	135	3.7	96.3	79.2
Not in families <sup>1</sup> .....	686	-	-	-	742	-	-	-

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

<sup>2</sup> Data not shown where base is less than 60,000.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-72. Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin**

Type of family, number of earners, race, and Hispanic origin	Number of families (in thousands)		Median weekly earnings			
	1982	1983	1982	1983	Percent change over the year in:	
					Current dollars	Constant dollars
<b>TOTAL</b>						
Total families with earners <sup>1</sup> .....	40,701	40,128	\$445	\$456	2.3	-1.2
Married-couple families .....	33,150	32,541	486	500	2.8	-.8
One earner .....	14,604	14,533	338	350	4.2	.6
Husband .....	11,438	10,909	386	410	6.3	2.7
Wife .....	2,443	2,950	184	200	6.8	5.1
Other family member .....	725	674	192	186	-3.5	-6.8
Two or more earners .....	18,546	18,008	609	629	3.3	-.3
Husband and wife .....	15,901	15,407	618	641	3.7	.2
Husband and other family member(s) .....	2,049	1,929	609	622	2.0	-1.4
Wife and other family member(s) .....	468	516	391	367	-6.2	-9.4
Other family members only .....	127	156	389	362	-6.9	-10.1
Families maintained by women .....	5,917	5,876	246	267	8.4	4.7
One earner .....	4,275	4,148	208	225	8.3	4.6
Householder .....	3,434	3,234	213	233	9.8	6.1
Other family member .....	841	913	187	186	-.5	-3.9
Two or more earners .....	1,642	1,728	424	440	3.7	.2
Families maintained by men .....	1,633	1,711	400	397	-.7	-4.1
One earner .....	1,032	1,120	322	323	.3	-3.1
Two or more earners .....	601	590	545	564	3.5	.0
<b>White</b>						
Total families with earners <sup>1</sup> .....	35,361	34,654	461	474	2.8	-.7
Married-couple families .....	29,761	28,972	494	510	3.3	-.2
One earner .....	13,226	13,032	346	362	4.5	.9
Husband .....	10,489	9,927	396	417	5.3	1.7
Wife .....	2,087	2,500	186	202	8.2	4.5
Two or more earners .....	16,535	15,941	616	638	3.5	.0
Husband and wife .....	14,143	13,581	624	649	4.0	.4
Families maintained by women .....	4,258	4,262	264	262	6.9	3.2
Families maintained by men .....	1,342	1,419	413	411	-.6	-4.0
<b>Black</b>						
Total families with earners <sup>1</sup> .....	4,396	4,484	312	335	7.4	3.7
Married-couple families .....	2,647	2,771	395	410	3.8	.2
One earner .....	1,066	1,170	231	248	7.4	3.8
Husband .....	700	745	255	302	18.4	14.3
Wife .....	313	377	174	198	14.1	10.2
Two or more earners .....	1,581	1,601	529	541	2.3	-1.2
Husband and wife .....	1,395	1,426	545	557	2.2	-1.2
Families maintained by women .....	1,519	1,468	212	220	3.5	-.1
Families maintained by men .....	231	225	333	347	4.2	.7
<b>Hispanic origin</b>						
Total families with earners <sup>1</sup> .....	2,417	2,321	352	365	3.6	.1
Married-couple families .....	1,911	1,818	386	395	2.3	-1.2
One earner .....	894	923	265	272	2.7	-.8
Husband .....	738	782	288	290	.8	-2.7
Wife .....	103	106	202	190	-5.8	-9.0
Two or more earners .....	1,017	895	513	525	2.4	-1.1
Husband and wife .....	803	885	522	535	2.6	-.9
Families maintained by women .....	363	349	203	245	20.6	16.4
Families maintained by men .....	124	154	338	363	7.4	3.7

<sup>1</sup> Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or in the Armed Forces.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate quarterly earnings data published in tables A-72 through A-75. Because the index for the most

recent quarter is not available at the time *Employment and Earnings* is published, it is necessary to lag the publication of these tables by 1 quarter. Detail for the above race and Hispanic origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-73. Families with unemployed members and wage and salary workers by type of family and median weekly earnings**

Type of family and relationship of unemployed members to wage and salary earners	Number of families (in thousands)		Median weekly earnings			
	 1982	 1983	 1982	 1983	Percent change over the year in:	
					Current dollars	Constant dollars
Married-couple families <sup>1</sup> .....	3,883	4,525	\$338	\$338	0.1	-3.3
Husband unemployed .....	1,281	1,727	190	213	12.2	8.3
Wife only earner .....	982	1,401	173	202	16.4	12.4
Wife and other earner(s) .....	155	191	372	360	-3.3	-6.6
Other earner(s) only .....	144	135	224	159	-28.9	-31.4
Wife unemployed .....	1,184	1,335	339	377	11.1	7.3
Husband only earner .....	1,035	1,118	323	354	9.7	6.0
Husband and other earner(s) .....	135	189	615	561	-8.7	-11.9
Other earner(s) only .....	14	28	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Other member(s) unemployed .....	1,418	1,463	\$536	\$553	3.2	-3
Husband or wife earner .....	605	617	408	430	5.5	1.9
Both husband and wife earners .....	772	779	637	686	7.7	4.0
Other combinations of earners .....	41	68	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Families maintained by women <sup>1</sup> .....	737	757	\$214	\$226	5.8	2.1
Householder unemployed .....	123	125	166	140	-15.7	-18.5
Other member(s) unemployed .....	614	632	226	239	5.7	2.1
Families maintained by men <sup>1</sup> .....	226	247	314	321	2.5	-1.0

<sup>1</sup> Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is

either self-employed or in the Armed Forces.

<sup>2</sup> Data not shown where base is less than 100,000.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-74. Median weekly earnings of full-time wage and salary workers by selected characteristics**

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	1982	1983	1982	1983	Percent change over the year in:	
					Current dollars	Constant dollars
<b>SEX AND AGE</b>						
Total, 16 years and over .....	70,041	66,029	\$304	\$319	4.9	1.3
Men, 16 years and over .....	42,031	40,271	363	385	8.0	2.4
16 to 24 years .....	6,589	5,803	237	237	.2	-3.2
25 years and over .....	35,442	34,468	395	412	4.5	.9
Women, 16 years and over .....	28,010	27,758	238	252	5.8	2.2
16 to 24 years .....	5,279	4,944	195	208	6.9	3.2
25 years and over .....	22,730	22,814	251	267	6.6	3.0
<b>FAMILY RELATIONSHIP</b>						
Husbands .....	29,040	27,826	398	416	4.5	1.0
Wives .....	14,490	14,499	242	255	5.8	2.1
Others in married-couple families .....	5,612	5,192	210	220	4.6	1.0
Women who maintain families .....	3,998	3,938	239	256	7.5	3.8
Others in such families .....	2,162	2,179	220	234	6.4	2.7
Men who maintain families .....	1,320	1,325	346	378	9.4	5.7
Others in such families .....	756	780	226	228	1.0	-2.5
All other men <sup>1</sup> .....	6,782	6,618	338	347	2.7	-.8
All other women <sup>1</sup> .....	5,882	5,670	263	276	4.8	1.2
<b>RACE AND HISPANIC ORIGIN</b>						
White .....	61,065	59,089	313	328	4.7	1.1
Men .....	37,239	35,528	375	398	8.0	2.4
Women .....	23,846	23,561	241	255	5.9	2.2
Black .....	7,232	7,070	241	258	7.1	3.4
Men .....	3,633	3,697	267	291	8.8	5.1
Women .....	3,399	3,373	219	235	7.3	3.6
Hispanic origin .....	4,063	3,764	239	251	5.2	1.6
Men .....	2,575	2,362	265	275	3.7	.1
Women .....	1,488	1,402	206	223	8.2	4.5

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

NOTE: Detail for the above race and Hispanic origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-75. Median weekly earnings of part-time wage and salary workers by selected characteristics**

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	1982	1983	1982	1983	Percent change over the year in:	
					Current dollars	Constant dollars
<b>SEX AND AGE</b>						
Total, 16 years and over .....	16,448	17,445	\$80	\$83	3.5	0.0
Men, 16 years and over .....	5,030	5,589	76	80	4.6	1.0
16 to 24 years .....	3,030	3,312	66	65	-8	-4.0
25 years and over .....	2,000	2,277	100	107	8.9	3.2
Women, 16 years and over .....	11,418	11,856	82	86	5.0	1.4
16 to 24 years .....	3,811	3,941	64	64	.0	-3.4
25 years and over .....	7,606	7,914	98	101	3.4	-1
<b>FAMILY RELATIONSHIP</b>						
Husbands .....	1,303	1,439	100	110	10.0	6.2
Wives .....	6,059	6,242	99	102	3.0	-5
Others in married-couple families .....	4,477	4,799	61	61	-7	-4.1
Women who maintain families .....	885	844	93	101	8.8	5.0
Others in such families .....	1,067	1,229	67	65	-2.7	-6.0
Men who maintain families .....	80	134	( <sup>1</sup> )	103	( <sup>1</sup> )	( <sup>1</sup> )
Others in such families .....	286	300	\$75	76	1.2	-2.2
All other men <sup>2</sup> .....	793	901	100	93	-6.7	-9.9
All other women <sup>2</sup> .....	1,497	1,558	85	90	5.3	1.7
<b>RACE AND HISPANIC ORIGIN</b>						
White .....	14,651	15,458	81	83	3.1	-4
Men .....	4,428	4,862	75	79	5.1	1.5
Women .....	10,224	10,596	83	87	4.7	1.1
Black .....	1,432	1,597	77	83	7.7	4.0
Men .....	444	554	79	85	7.8	4.1
Women .....	988	1,043	75	82	9.7	5.9
Hispanic origin .....	731	836	85	93	9.1	5.3
Men .....	285	352	84	101	21.0	16.9
Women .....	446	484	88	86	-2.1	-5.5

<sup>1</sup> Data not shown where base is less than 100,000.

<sup>2</sup> The majority of these persons are living alone or with nonrelatives.

Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families, and some whose family status is unknown.

NOTE: Detail for the above race and Hispanic origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-76. Median weekly earnings of full-time wage and salary workers by occupation and sex**

Occupation and sex	Number of workers (in thousands)	Median weekly earnings
<b>TOTAL</b>		
Managerial and professional specialty .....	17,264	\$438
Executive, administrative, and managerial .....	8,065	457
Professional specialty .....	9,199	428
Technical, sales, and administrative support .....	20,919	284
Technicians and related support .....	2,627	346
Sales occupations .....	5,986	312
Administrative support, including clerical .....	12,306	263
Service occupations .....	6,948	211
Private household .....	269	118
Protective service .....	1,398	345
Service, except private household and protective .....	5,280	196
Precision production, craft and repair .....	9,452	380
Mechanics and repairers .....	3,499	372
Construction trades .....	2,700	372
Other precision production, craft, and repair .....	3,253	394
Operators, fabricators, and laborers .....	12,442	276
Machine operators, assemblers, and inspectors .....	6,657	263
Transportation and material moving occupations .....	3,127	340
Handlers, equipment cleaners, helpers, and laborers .....	2,658	244
Farming, forestry, and fishing .....	1,004	212
<b>Men</b>		
Managerial and professional specialty .....	10,311	534
Executive, administrative, and managerial .....	5,418	552
Professional specialty .....	4,893	517
Technical, sales, and administrative support .....	7,659	394
Technicians and related support .....	1,374	418
Sales occupations .....	3,631	397
Administrative support, including clerical .....	2,654	375
Service occupations .....	3,515	259
Private household .....	12	( <sup>1</sup> )
Protective service .....	1,260	\$358
Service, except private household and protective .....	2,243	223
Precision production, craft and repair .....	8,735	392
Mechanics and repairers .....	3,368	375
Construction trades .....	2,658	375
Other precision production, craft, and repair .....	2,709	417
Operators, fabricators, and laborers .....	9,136	314
Machine operators, assemblers, and inspectors .....	3,945	322
Transportation and material moving occupations .....	2,975	345
Handlers, equipment cleaners, helpers, and laborers .....	2,215	251
Farming, forestry, and fishing .....	916	215
<b>Women</b>		
Managerial and professional specialty .....	6,954	352
Executive, administrative, and managerial .....	2,647	334
Professional specialty .....	4,307	366
Technical, sales, and administrative support .....	13,260	246
Technicians and related support .....	1,253	301
Sales occupations .....	2,354	209
Administrative support, including clerical .....	9,652	247
Service occupations .....	3,433	181
Private household .....	257	115
Protective service .....	139	251
Service, except private household and protective .....	3,037	182
Precision production, craft and repair .....	717	263
Mechanics and repairers .....	131	285
Construction trades .....	42	( <sup>1</sup> )
Other precision production, craft, and repair .....	544	\$258
Operators, fabricators, and laborers .....	3,307	212
Machine operators, assemblers, and inspectors .....	2,712	210
Transportation and material moving occupations .....	152	252
Handlers, equipment cleaners, helpers, and laborers .....	443	219
Farming, forestry, and fishing .....	88	( <sup>1</sup> )

<sup>1</sup> Data not shown where base is less than 100,000.  
NOTE: Beginning with 1983, occupational data are

based on the 1980 census classification system rather than the 1970 census system used through 1982. Therefore comparisons with earlier years are not available.

**ESTABLISHMENT DATA  
HISTORICAL EMPLOYMENT**

**B-1. Employees on nonagricultural payrolls by industry division, 1932 to date**

(In thousands)

Year and month	Goods-producing										Service-producing						
	Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government					
							Total	Wholesale trade	Retail trade			Total	Federal	State and local			
<b>Annual averages</b>																	
1932.....	23,615	8,647	731	985	6,931	14,968	2,816	4,683	-	-	1,326	2,918	3,225	559	2,666		
1933.....	23,699	8,965	744	824	7,397	14,734	2,672	4,755	-	-	1,280	2,861	3,166	565	2,601		
1934.....	25,940	10,261	883	877	8,501	15,679	2,750	5,281	-	-	1,304	3,045	3,299	652	2,647		
1935.....	27,039	10,893	897	927	9,069	16,146	2,786	5,431	-	-	1,320	3,128	3,481	753	2,728		
1936.....	29,068	11,933	946	1,160	9,827	17,135	2,973	5,809	-	-	1,373	3,312	3,668	826	2,842		
1937.....	31,011	12,936	1,015	1,127	10,794	18,075	3,134	6,265	-	-	1,417	3,503	3,756	833	2,923		
1938.....	29,194	11,401	891	1,070	9,440	17,793	2,863	6,179	-	-	1,410	3,458	3,883	829	3,054		
1939.....	30,603	12,297	854	1,165	10,278	18,306	2,936	6,426	1,762	4,664	1,447	3,502	3,995	905	3,090		
1940.....	32,361	13,221	925	1,311	10,985	19,140	3,038	6,750	1,835	4,914	1,485	3,665	4,202	996	3,206		
1941.....	36,539	15,963	957	1,814	13,192	20,574	3,274	7,210	1,960	5,251	1,525	3,905	4,660	1,340	3,320		
1942.....	40,106	18,470	992	2,198	15,280	21,636	3,460	7,118	1,906	5,212	1,509	4,066	5,483	2,213	3,270		
1943.....	42,434	20,114	925	1,587	17,602	22,320	3,647	6,982	1,822	5,160	1,481	4,130	6,080	2,905	3,175		
1944.....	41,864	19,328	892	1,108	17,328	22,536	3,829	7,058	1,845	5,214	1,461	4,145	6,043	2,928	3,116		
1945.....	40,374	17,507	836	1,147	15,524	22,867	3,906	7,314	1,949	5,365	1,481	4,222	5,944	2,808	3,137		
1946.....	41,652	17,248	862	1,683	14,703	24,404	4,061	8,376	2,291	6,084	1,675	4,697	5,595	2,254	3,341		
1947.....	43,857	18,509	955	2,009	15,545	25,348	4,166	8,955	2,471	6,485	1,728	5,025	5,474	1,892	3,582		
1948.....	44,866	18,774	994	2,198	15,582	26,092	4,189	9,272	2,605	6,667	1,800	5,181	5,650	1,863	3,787		
1949.....	43,754	17,565	930	2,194	14,441	26,189	4,001	9,264	2,602	6,662	1,828	5,240	5,856	1,908	3,948		
1950.....	45,197	18,506	901	2,364	15,241	26,691	4,034	9,386	2,635	6,751	1,888	5,357	6,026	1,928	4,098		
1951.....	47,819	19,959	929	2,637	16,393	27,860	4,226	9,742	2,727	7,015	1,956	5,547	6,389	2,302	4,087		
1952.....	48,793	20,198	898	2,668	16,632	28,595	4,248	10,004	2,812	7,192	2,035	5,699	6,609	2,420	4,188		
1953.....	50,202	21,074	866	2,659	17,549	29,128	4,290	10,247	2,854	7,393	2,111	5,835	6,645	2,305	4,340		
1954.....	48,990	19,751	791	2,646	16,314	29,239	4,084	10,235	2,867	7,368	2,200	5,969	6,751	2,188	4,563		
1955.....	50,641	20,513	792	2,839	16,882	30,128	4,141	10,535	2,926	7,610	2,298	6,240	6,914	2,187	4,727		
1956.....	52,369	21,104	822	3,039	17,243	31,266	4,244	10,858	3,018	7,840	2,389	6,497	7,278	2,209	5,069		
1957.....	52,853	20,964	828	2,962	17,174	31,889	4,241	10,886	3,028	7,858	2,438	6,708	7,616	2,217	5,399		
1958.....	51,324	19,513	751	2,817	15,945	31,811	3,976	10,750	2,980	7,770	2,481	6,765	7,839	2,191	5,648		
1959.....	53,268	20,411	732	3,004	16,675	32,857	4,011	11,127	3,082	8,045	2,549	7,087	8,083	2,233	5,850		
1960.....	54,189	20,434	712	2,926	16,796	33,755	4,004	11,391	3,143	8,248	2,629	7,378	8,353	2,270	6,083		
1961.....	53,999	19,857	672	2,859	16,326	34,142	3,903	11,337	3,133	8,204	2,688	7,620	8,594	2,279	6,315		
1962.....	55,549	20,451	650	2,948	16,853	35,098	3,906	11,566	3,198	8,368	2,754	7,982	8,890	2,340	6,550		
1963.....	56,653	20,640	635	3,010	16,995	36,013	3,903	11,778	3,248	8,530	2,830	8,277	9,225	2,358	6,868		
1964.....	58,283	21,005	634	3,097	17,274	37,278	3,951	12,160	3,337	8,823	2,911	8,660	9,596	2,348	7,248		
1965.....	60,765	21,926	632	3,232	18,062	38,839	4,036	12,716	3,466	9,250	2,977	9,036	10,074	2,378	7,696		
1966.....	63,901	23,158	627	3,317	19,214	40,743	4,158	13,245	3,597	9,648	3,058	9,498	10,784	2,564	8,220		
1967.....	65,803	23,308	613	3,248	19,447	42,495	4,268	13,606	3,689	9,917	3,185	10,045	11,391	2,719	8,672		
1968.....	67,897	23,737	606	3,350	19,781	44,160	4,318	14,099	3,779	10,320	3,337	10,567	11,839	2,737	9,102		
1969.....	70,384	24,361	619	3,575	20,167	46,023	4,442	14,705	3,907	10,798	3,512	11,169	12,195	2,758	9,437		
1970.....	70,880	23,578	623	3,588	19,367	47,302	4,515	15,040	3,993	11,047	3,645	11,548	12,554	2,731	9,823		
1971.....	71,214	22,935	609	3,704	18,623	48,278	4,476	15,352	4,001	11,351	3,772	11,797	12,881	2,696	10,185		
1972.....	73,675	23,668	628	3,889	19,151	50,007	4,541	15,949	4,113	11,836	3,908	12,276	13,334	2,684	10,649		
1973.....	76,790	24,893	642	4,097	20,154	51,897	4,656	16,607	4,277	12,329	4,046	12,857	13,732	2,663	11,068		
1974.....	78,265	24,794	697	4,020	20,077	53,471	4,725	16,987	4,433	12,554	4,148	13,441	14,170	2,724	11,446		
1975.....	76,945	22,600	752	3,525	18,323	54,345	4,542	17,060	4,415	12,645	4,165	13,892	14,686	2,748	11,937		
1976.....	79,382	23,352	779	3,576	18,997	56,030	4,582	17,755	4,546	13,209	4,271	14,551	14,871	2,733	12,138		
1977.....	82,471	24,346	813	3,851	19,682	58,125	4,713	18,516	4,708	13,808	4,467	15,303	15,127	2,727	12,399		
1978.....	86,697	25,585	851	4,229	20,505	61,113	4,923	19,542	4,969	14,573	4,724	16,252	15,672	2,753	12,919		
1979.....	89,823	26,461	958	4,463	21,040	63,363	5,136	20,192	5,204	14,989	4,975	17,112	15,947	2,773	13,174		
1980.....	90,406	25,658	1,027	4,346	20,285	64,748	5,146	20,310	5,275	15,035	5,160	17,890	16,241	2,866	13,375		
1981.....	91,156	25,497	1,139	4,188	20,170	65,659	5,165	20,547	5,358	15,189	5,298	18,619	16,031	2,772	13,259		
1982.....	89,596	23,907	1,143	3,911	18,853	65,689	5,081	20,401	5,280	15,122	5,340	19,064	15,803	2,739	13,064		
<b>Monthly data, seasonally adjusted</b>																	
<b>1982:</b>																	
June.....	89,775	24,001	1,150	3,933	18,918	65,774	5,099	20,454	5,293	15,161	5,339	19,046	15,836	2,738	13,098		
July.....	89,450	23,843	1,125	3,916	18,802	65,607	5,075	20,438	5,279	15,159	5,342	19,083	15,669	2,737	12,932		
August.....	89,264	23,672	1,113	3,893	18,666	65,592	5,056	20,410	5,265	15,145	5,344	19,097	15,685	2,739	12,946		
September.....	89,235	23,530	1,100	3,875	18,555	65,705	5,054	20,380	5,252	15,128	5,351	19,136	15,784	2,735	13,049		
October.....	88,938	23,287	1,082	3,847	18,358	65,651	5,033	20,344	5,237	15,107	5,350	19,144	15,780	2,742	13,038		
November.....	88,785	23,131	1,066	3,843	18,222	65,654	5,019	20,320	5,212	15,108	5,356	19,187	15,772	2,746	13,026		
December.....	88,665	23,061	1,053	3,815	18,193	65,604	5,008	20,256	5,192	15,064	5,367	19,215	15,758	2,747	13,011		
<b>1983:</b>																	
January <sup>1</sup> .....	88,885	23,186	1,037	3,905	18,244	65,699	4,979	20,355	5,185	15,170	5,374	19,238	15,753	2,748	13,005		
February <sup>2</sup> .....	88,746	23,049	1,014	3,790	18,245	65,697	4,966	20,343	5,181	15,162	5,384	19,262	15,742	2,742	13,000		
March.....	88,814	23,030	1,006	3,757	18,267	65,784	4,963	20,350	5,176	15,174	5,391	19,356	15,724	2,742	12,982		
April.....	89,101	23,159	997	3,786	18,376	65,942	4,988	20,329	5,180	15,149	5,423	19,478	15,724	2,749	12,975		
May <sup>p</sup> .....	89,416	23,347	998	3,863	18,486	66,069	4,991	20,354	5,196	15,158	5,431	19,565	15,728	2,749	12,979		

# ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
-	<b>TOTAL</b> .....	90,407	90,585	89,016	89,827	90,571	-	-	-	-	-
-	<b>PRIVATE SECTOR</b> .....	74,228	74,603	72,984	73,788	74,804	59,989	60,308	58,800	59,556	60,484
-	<b>MINING</b> .....	1,175	1,169	991	1,000	1,024	863	851	694	703	723
10	<b>METAL MINING</b> .....	79.7	72.4	61.1	61.9	-	58.6	52.7	44.5	45.2	-
101	Iron ores .....	17.2	11.0	8.3	8.6	-	13.0	8.0	5.5	5.6	-
102	Copper ores .....	24.4	23.5	19.9	20.3	-	17.6	16.8	14.5	14.9	-
11, 12	<b>COAL MINING</b> .....	251.1	245.9	203.0	203.7	-	206.7	201.5	162.3	163.6	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	247.6	242.4	200.3	201.0	-	203.6	198.4	160.0	161.3	-
13	<b>OIL AND GAS EXTRACTION</b> .....	734.3	734.3	617.9	621.8	-	511.1	507.0	405.2	408.5	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	276.0	282.5	278.6	279.0	-	126.0	129.9	129.2	128.7	-
138	Oil and gas field services .....	458.3	451.8	339.3	342.8	-	385.1	377.1	276.0	279.8	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	113.6	116.4	108.5	112.6	-	86.8	89.3	82.1	85.7	-
142	Crushed and broken stone .....	37.3	38.0	37.6	39.4	-	30.1	30.6	29.5	31.2	-
144	Sand and gravel .....	32.6	35.2	31.8	34.2	-	-	-	-	-	-
147	Chemical and fertilizer minerals .....	24.1	23.1	20.3	19.8	-	-	-	-	-	-
-	<b>CONSTRUCTION</b> .....	3,998	4,092	3,650	3,890	4,104	3,088	3,170	2,753	2,983	3,185
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	1,007.6	1,037.6	926.9	990.2	-	751.9	779.7	668.3	727.7	-
152	Residential building construction .....	451.4	472.9	429.2	473.6	-	323.0	343.0	297.5	338.7	-
153	Operative builders .....	48.6	49.7	52.0	53.9	-	24.7	25.5	27.9	29.4	-
154	Nonresidential building construction .....	507.6	515.0	445.7	462.7	-	404.2	411.2	342.9	359.6	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	859.0	884.9	756.2	810.2	-	686.2	710.1	591.9	645.9	-
161	Highway and street construction .....	234.0	249.6	190.8	230.7	-	196.0	211.1	154.3	193.5	-
162	Heavy construction, except highway .....	625.0	635.3	565.4	579.5	-	490.2	499.0	437.6	452.4	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	2,131.3	2,169.5	1,966.9	2,089.5	-	1,649.4	1,679.9	1,492.3	1,609.6	-
171	Plumbing, heating, air conditioning .....	496.6	502.4	468.7	478.0	-	360.4	363.8	333.7	341.7	-
172	Painting, paper hanging, decorating .....	127.7	132.6	112.1	125.8	-	110.1	105.7	90.7	104.3	-
173	Electrical work .....	405.7	408.4	375.3	382.4	-	309.5	311.0	279.6	286.1	-
174	Masonry, stonework, and plastering .....	310.0	314.8	291.0	313.5	-	261.8	265.9	241.8	262.9	-
175	Carpentering and flooring .....	104.5	107.2	107.1	112.7	-	77.1	79.6	79.7	84.3	-
176	Roofing and sheet metal work .....	153.8	159.5	142.9	152.1	-	121.6	126.6	111.2	119.7	-
-	<b>MANUFACTURING</b> .....	19,049	19,039	18,295	18,464	18,684	12,968	12,941	12,369	12,525	12,732
24, 25, 32-39	<b>DURABLE GOODS</b> .....	11,305	11,258	10,687	10,806	10,922	7,539	7,485	7,038	7,148	7,259
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	7,744	7,781	7,608	7,658	7,762	5,429	5,456	5,331	5,377	5,473
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	604.6	616.6	640.3	664.0	697.4	494.4	506.3	530.5	552.4	583.6
241	Logging camps and logging contractors .....	73.3	79.1	74.6	79.5	-	55.1	60.7	57.2	61.4	-
242	Sawmills and planing mills .....	180.4	182.5	191.6	198.8	-	158.4	160.1	169.1	175.7	-
2421	Sawmills and planing mills, general .....	151.2	153.0	160.6	166.5	-	133.2	134.7	142.2	147.6	-
2426	Hardwood dimension and flooring .....	25.5	26.1	26.8	27.9	-	21.9	22.4	23.2	24.2	-
243	Millwork, plywood, and structural members .....	175.4	179.4	193.4	200.0	-	141.5	145.2	159.3	165.3	-
2431	Millwork .....	64.1	67.0	75.2	77.2	-	49.9	52.8	60.4	62.1	-
2434	Wood kitchen cabinets .....	42.6	42.7	43.7	46.0	-	33.4	33.4	34.4	36.6	-
2435	Hardwood veneer and plywood .....	22.5	21.8	21.8	22.6	-	19.6	18.9	19.0	19.7	-
2436	Softwood veneer and plywood .....	33.3	34.8	38.0	38.3	-	29.0	30.3	34.0	34.3	-
244	Wood containers .....	38.9	39.6	38.6	39.6	-	32.9	33.5	32.5	33.6	-
245	Wood buildings and mobile homes .....	63.3	63.0	68.6	72.5	-	45.9	46.4	51.5	55.4	-
2451	Mobile homes .....	46.3	45.8	49.8	52.4	-	35.5	35.7	39.0	41.6	-
249	Miscellaneous wood products .....	73.3	73.0	73.5	73.6	-	60.6	60.4	60.9	61.0	-
25	<b>FURNITURE AND FIXTURES</b> .....	431.3	430.9	440.1	442.2	446.3	340.8	340.4	348.3	350.2	353.8
251	Household furniture .....	269.6	266.1	276.5	276.8	-	222.1	218.9	228.5	229.0	-
2511	Wood household furniture .....	121.2	119.1	122.9	123.0	-	104.0	102.2	105.9	105.9	-
2512	Upholstered household furniture .....	63.3	63.0	67.1	68.2	-	66.7	66.4	70.0	71.2	-
2514	Metal household furniture .....	26.1	25.6	29.5	28.2	-	20.9	20.3	24.1	22.8	-
2515	Mattresses and bedsprings .....	28.0	27.6	28.3	28.3	-	20.9	20.8	21.3	21.5	-
252	Office furniture .....	53.9	54.3	53.8	54.1	-	41.5	41.9	41.0	41.3	-
253	Public building and related furniture .....	21.3	22.2	20.7	21.3	-	15.8	16.8	15.2	15.6	-
254	Partitions and fixtures .....	57.4	58.2	57.2	57.6	-	41.8	42.5	42.1	42.3	-
259	Miscellaneous furniture and fixtures .....	29.1	30.1	31.9	32.4	-	19.6	20.3	21.5	22.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		May 1982	June 1982	Apr. 1983	May 1983F	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	588.5	592.3	559.9	572.3	587.4	445.9	449.6	424.0	436.2	450.0
321	Flat glass	16.4	16.6	16.4	16.5	-	12.5	12.8	12.9	12.9	-
322	Glass and glassware, pressed or blown	110.8	110.7	102.6	102.6	-	92.4	92.5	85.8	86.0	-
3221	Glass containers	62.5	62.8	56.9	56.4	-	54.8	55.1	49.7	49.3	-
3229	Pressed and blown glass, nec	48.3	47.9	45.7	46.2	-	37.6	37.4	36.1	36.7	-
323	Products of purchased glass	41.6	42.1	41.8	42.4	-	27.6	28.0	27.9	28.1	-
324	Cement, hydraulic	27.7	27.9	25.4	26.1	-	21.9	22.1	19.8	20.5	-
325	Structural clay products	34.4	35.1	35.0	36.2	-	25.2	25.8	26.1	27.3	-
326	Pottery and related products	39.4	39.3	38.2	38.4	-	32.0	31.9	30.2	30.2	-
327	Concrete, gypsum, and plaster products	185.6	189.3	178.6	187.4	-	141.0	144.4	134.9	143.6	-
3271	Concrete block and brick	17.7	18.2	17.6	18.4	-	12.0	12.3	11.9	12.4	-
3272	Concrete products, nec	61.2	61.5	57.1	58.0	-	45.2	45.6	41.6	42.6	-
3273	Ready-mixed concrete	89.1	91.8	86.4	93.1	-	69.7	72.2	67.5	74.3	-
329	Misc. nonmetallic mineral products	121.7	120.5	111.7	112.6	-	84.7	83.6	78.4	79.6	-
3291	Abrasive products	24.1	23.9	21.6	21.7	-	15.4	15.2	15.8	14.1	-
3292	Asbestos products	13.4	13.2	12.8	12.9	-	9.9	9.8	9.4	9.5	-
3296	Mineral wool	27.0	27.2	25.4	25.3	-	-	-	-	-	-
33	<b>PRIMARY METAL INDUSTRIES</b>	952.5	939.0	826.5	832.2	841.0	708.2	697.2	615.0	619.1	627.0
331	Blast furnace and basic steel products	413.3	404.5	336.2	336.5	-	307.4	300.3	251.4	252.0	-
3312	Blast furnaces and steel mills	340.1	332.3	276.5	275.6	-	253.3	247.1	208.3	207.6	-
3317	Steel pipe and tubes	29.6	28.8	22.2	22.6	-	22.1	21.5	15.6	16.0	-
332	Iron and steel foundries	161.9	161.1	139.3	141.5	-	124.6	124.0	105.6	107.8	-
3321	Gray iron foundries	97.2	97.3	89.8	92.1	-	76.9	77.2	70.6	72.8	-
3322	Malleable iron foundries	12.0	12.5	10.3	10.2	-	8.8	9.3	7.4	7.4	-
3325	Steel foundries, nec	41.1	39.8	29.6	30.1	-	31.1	29.9	21.1	21.5	-
333	Primary nonferrous metals	56.7	55.6	48.7	48.1	-	41.1	39.9	35.0	34.7	-
3334	Primary aluminum	50.0	29.5	24.7	24.5	-	22.4	21.8	18.4	18.4	-
335	Nonferrous rolling and drawing	193.4	191.7	182.3	183.0	-	137.1	135.7	128.5	129.3	-
3351	Copper rolling and drawing	27.0	26.7	26.0	26.3	-	20.0	19.7	18.9	19.1	-
3353	Aluminum sheet, plate, and foil	31.2	30.9	30.0	30.0	-	23.9	23.7	23.3	23.4	-
3357	Nonferrous wire drawing and insulating	82.4	81.7	76.1	76.0	-	58.2	57.8	53.4	53.5	-
336	Nonferrous foundries	82.2	82.0	81.7	82.5	-	64.9	64.7	65.2	65.8	-
3361	Aluminum foundries	48.4	48.0	48.6	49.3	-	39.0	38.7	39.8	40.3	-
34	<b>FABRICATED METAL PRODUCTS</b>	1,456.9	1,450.4	1,367.3	1,377.3	1,393.3	1,051.5	1,046.2	986.7	995.4	1,012.2
341	Metal cans and shipping containers	65.3	65.9	62.7	63.1	-	54.9	55.6	52.9	53.3	-
3411	Metal cans	53.0	53.6	50.6	50.9	-	45.4	46.0	43.0	43.9	-
342	Cutlery, hand tools, and hardware	142.3	140.4	136.6	137.3	-	104.7	102.7	100.3	100.9	-
3423.5	Hand and edge tools, and hand saws and blades	48.4	46.7	43.8	43.9	-	36.2	34.5	31.9	31.8	-
3429	Hardware, nec	80.8	80.7	80.2	80.9	-	59.5	59.3	59.8	60.6	-
343	Plumbing and heating, except electric	60.0	59.9	61.2	61.4	-	41.1	41.2	43.4	43.0	-
3432	Plumbing fittings and brass goods	23.1	23.2	23.3	23.6	-	18.1	19.3	18.0	18.2	-
3433	Heating equipment, except electric	27.4	27.2	28.4	28.5	-	17.0	16.9	18.6	18.4	-
344	Fabricated structural metal products	460.2	458.4	419.4	423.2	-	307.0	306.0	278.6	282.1	-
3441	Fabricated structural metal	91.2	89.4	76.6	76.1	-	63.8	62.5	52.5	51.8	-
3442	Metal doors, sash, and trim	72.1	74.6	77.2	79.2	-	51.6	53.6	55.6	57.3	-
3443	Fabricated plate work (boiler shops)	134.0	131.2	111.2	110.3	-	78.8	76.8	64.2	63.5	-
3444	Sheet metal work	101.3	100.9	97.1	98.9	-	72.5	72.0	68.6	70.4	-
3446	Architectural metal work	27.8	27.8	27.5	27.7	-	18.8	19.0	18.8	19.0	-
345	Screw machine products, bolts, etc.	32.9	32.5	35.3	36.1	-	23.5	23.3	23.1	23.1	-
3451	Screw machine products	43.6	43.4	39.9	40.5	-	34.3	34.2	31.0	31.6	-
3452	Bolts, nuts, rivets, and washers	49.3	49.1	45.4	45.6	-	35.2	35.1	32.1	32.2	-
346	Metal forgings and stampings	238.3	237.8	226.3	229.2	-	187.5	186.7	178.3	180.9	-
3462	Iron and steel forgings	40.0	39.2	32.5	32.5	-	30.4	29.6	24.0	24.0	-
3465	Automotive stampings	87.2	88.3	85.8	87.3	-	73.7	74.5	72.6	74.2	-
3469	Metal stampings, nec	99.6	98.9	98.1	98.5	-	74.7	74.0	74.2	74.5	-
347	Metal services, nec	96.9	96.8	92.1	93.4	-	76.7	76.8	72.8	74.0	-
3471	Plating and polishing	66.8	67.2	65.3	66.6	-	54.0	54.6	52.8	53.9	-
3479	Metal coating and allied services	30.1	29.6	26.8	26.8	-	22.7	22.2	20.0	20.1	-
348	Ordnance and accessories, nec	65.0	65.9	65.4	65.1	-	41.7	42.1	42.5	42.0	-
3483	Ammunition, exc. for small arms, nec	27.0	27.4	26.6	28.8	-	17.7	17.8	18.9	19.2	-
349	Misc. fabricated metal products	236.0	232.8	218.3	218.5	-	168.4	165.8	155.0	155.4	-
3494	Valves and pipe fittings	95.9	94.1	84.1	83.4	-	63.5	62.1	54.6	53.9	-
3496	Misc. fabricated wire products	50.5	50.2	49.8	50.5	-	38.0	37.9	37.3	37.9	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	2,354.9	2,311.3	2,043.6	2,070.5	2,073.5	1,445.2	1,405.3	1,185.3	1,208.8	1,213.3
351	Engines and turbines	117.6	113.5	99.0	102.6	-	72.7	69.1	57.2	60.6	-
3511	Turbines and turbine generator sets	42.8	42.5	38.7	38.2	-	22.8	22.5	20.7	20.3	-
3519	Internal combustion engines, nec	74.8	71.0	60.3	64.4	-	49.9	46.6	36.5	40.3	-
352	Farm and garden machinery	150.2	145.5	129.4	129.7	-	99.7	95.6	83.7	84.2	-
3523	Farm machinery and equipment	131.4	129.5	111.1	111.5	-	86.0	84.8	70.6	71.3	-
353	Construction and related machinery	372.8	349.0	252.7	269.9	-	237.4	218.0	133.8	149.6	-
3531	Construction machinery	120.5	107.3	74.5	91.0	-	74.8	64.7	29.5	44.6	-

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>				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3532	Mining machinery.....	34.5	33.3	23.3	23.4	-	21.0	20.1	13.2	13.3	-
3533	Oil field machinery.....	130.1	122.3	80.4	79.3	-	90.3	83.3	49.3	48.3	-
3535	Conveyers and conveying equipment.....	32.0	31.3	26.9	27.0	-	17.1	16.5	13.7	13.9	-
3537	Industrial trucks and tractors.....	29.6	29.2	25.5	26.9	-	18.4	17.9	14.6	15.9	-
354	Metalworking machinery.....	324.3	319.3	275.3	275.6	-	227.0	222.9	189.1	189.4	-
3541	Machine tools, metal cutting types.....	67.5	65.4	48.9	48.7	-	41.2	39.6	27.5	27.3	-
3542	Machine tools, metal forming types.....	21.8	21.2	16.3	16.5	-	13.2	12.7	9.3	9.7	-
3544	Special dies, tools, jigs, and fixtures.....	127.4	126.9	118.6	118.5	-	99.4	99.1	91.3	91.0	-
3545	Machine tool accessories.....	61.3	59.7	50.9	51.2	-	41.3	40.0	33.8	34.1	-
3546	Power driven hand tools.....	25.2	25.0	22.9	23.1	-	18.4	18.1	16.4	16.5	-
355	Special industry machinery.....	180.5	177.6	158.6	158.6	-	110.7	108.0	92.0	91.9	-
3551	Food products machinery.....	40.5	40.0	36.1	36.0	-	25.8	25.4	22.3	22.0	-
3552	Textile machinery.....	22.1	21.4	19.8	19.6	-	14.6	14.1	13.0	12.9	-
3555	Printing trades machinery.....	35.8	35.8	33.9	33.8	-	21.6	21.6	19.2	19.1	-
356	General industrial machinery.....	300.8	294.9	250.6	250.8	-	189.7	185.7	153.0	153.0	-
3561	Pumps and pumping equipment.....	58.7	57.7	49.8	49.2	-	33.9	33.3	27.6	26.9	-
3562	Ball and roller bearings.....	51.9	50.6	43.8	44.4	-	38.4	37.7	32.5	32.8	-
3563	Air and gas compressors.....	29.9	29.5	23.8	23.1	-	16.5	16.3	11.8	11.3	-
3564	Blowers and fans.....	39.6	38.8	34.5	34.6	-	24.6	24.0	20.8	21.0	-
3566	Speed changers, drives, and gears.....	23.9	22.9	18.6	18.8	-	15.8	15.0	11.5	11.8	-
3568	Power transmission equipment, nec.....	21.8	21.0	16.2	16.4	-	14.9	14.3	10.6	10.7	-
357	Office and computing machines.....	473.0	479.5	477.9	479.7	-	190.8	192.1	190.2	190.2	-
3573	Electronic computing equipment.....	402.6	409.3	412.7	414.2	-	154.8	156.3	157.5	157.4	-
358	Refrigeration and service machinery.....	162.3	161.8	157.1	158.5	-	111.0	110.9	106.3	108.3	-
3585	Refrigeration and heating equipment.....	110.8	110.4	108.5	110.3	-	76.6	76.7	74.7	76.7	-
359	Misc. machinery, except electrical.....	273.4	270.2	243.0	245.1	-	206.2	203.0	180.0	181.6	-
3592	Carburetors, pistons, rings, valves.....	35.9	34.0	32.7	33.6	-	28.1	26.4	26.0	26.8	-
3599	Machinery, except electrical, nec.....	237.5	236.2	210.3	211.5	-	178.1	176.6	154.0	154.8	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b> .....	<b>2,030.4</b>	<b>2,035.9</b>	<b>1,994.6</b>	<b>2,007.8</b>	<b>2,027.4</b>	<b>1,234.4</b>	<b>1,233.9</b>	<b>1,203.7</b>	<b>1,216.1</b>	<b>1,233.6</b>
361	Electric distributing equipment.....	114.7	113.3	108.3	108.1	-	80.5	79.2	76.7	76.7	-
3612	Transformers.....	51.0	50.5	47.4	47.2	-	36.3	35.8	32.9	32.9	-
3613	Switchgear and switchboard apparatus.....	63.7	62.8	60.9	60.9	-	44.2	43.4	43.8	43.8	-
362	Electrical industrial apparatus.....	211.9	210.7	189.2	189.8	-	148.4	147.3	130.3	130.8	-
3621	Motors and generators.....	103.9	103.6	94.9	95.5	-	78.7	78.4	72.4	72.7	-
3622	Industrial controls.....	65.7	65.1	58.0	58.0	-	40.2	39.6	34.2	34.1	-
363	Household appliances.....	144.3	146.0	142.1	145.9	-	110.8	113.0	110.2	114.0	-
3632	Household refrigerators and freezers.....	27.8	28.3	23.4	23.8	-	22.0	22.5	18.6	18.9	-
3633	Household laundry equipment.....	19.8	18.9	23.2	23.4	-	15.0	14.1	18.1	18.3	-
3634	Electric housewares and fans.....	43.2	44.9	41.5	43.8	-	33.3	35.2	31.4	33.9	-
364	Electric lighting and wiring equipment.....	189.2	187.8	184.3	184.3	-	138.3	137.0	134.6	134.4	-
3641	Electric lamps.....	31.9	30.5	26.9	26.9	-	28.1	26.9	23.4	23.4	-
3643	Current-carrying wiring devices.....	78.0	78.7	78.0	78.4	-	51.9	52.3	52.2	52.7	-
3644	Noncurrent-carrying wiring devices.....	18.3	18.3	17.0	17.0	-	13.2	13.3	12.1	12.0	-
3645	Residential lighting fixtures.....	21.6	21.2	24.3	23.9	-	16.0	15.7	18.5	17.9	-
365	Radio and TV receiving equipment.....	92.7	92.0	86.0	86.9	-	63.5	62.6	59.7	60.3	-
3651	Radio and TV receiving sets.....	71.4	72.3	67.0	67.2	-	47.7	48.4	46.0	45.9	-
366	Communication equipment.....	570.8	571.9	572.6	573.5	-	268.1	266.7	260.8	261.4	-
3661	Telephone and telegraph apparatus.....	150.6	148.2	136.9	136.5	-	98.5	95.8	86.9	86.4	-
3662	Radio and TV communication equipment.....	420.2	423.7	435.7	437.0	-	169.6	170.9	173.9	175.0	-
367	Electronic components and accessories.....	562.5	568.5	568.9	574.3	-	322.9	325.1	330.3	335.7	-
3671-3	Electronic tubes.....	42.5	42.8	43.2	43.5	-	25.8	26.0	27.4	27.9	-
3674	Semiconductors and related devices.....	226.3	230.0	231.5	232.4	-	89.1	90.5	95.6	97.4	-
3679	Electronic components, nec.....	221.6	223.6	227.0	230.3	-	153.2	154.0	157.5	159.7	-
369	Misc. electrical equipment and supplies.....	144.3	145.7	143.2	145.0	-	101.9	103.0	101.1	102.8	-
3691	Storage batteries.....	28.7	28.9	27.5	28.0	-	22.1	22.3	21.1	21.7	-
3694	Engine electrical equipment.....	55.5	56.8	56.1	57.0	-	43.2	44.0	43.0	43.9	-
37	<b>TRANSPORTATION EQUIPMENT</b> .....	<b>1,777.6</b>	<b>1,767.8</b>	<b>1,746.3</b>	<b>1,770.3</b>	<b>1,774.9</b>	<b>1,120.6</b>	<b>1,107.2</b>	<b>1,089.4</b>	<b>1,110.3</b>	<b>1,114.5</b>
371	Motor vehicles and equipment.....	732.7	724.9	741.1	762.3	-	544.2	535.9	553.9	571.1	-
3711	Motor vehicles and car bodies.....	333.9	323.5	349.1	363.1	-	236.9	226.4	250.8	261.5	-
3713	Truck and bus bodies.....	32.9	32.7	31.5	31.7	-	24.9	24.8	23.9	24.1	-
3714	Motor vehicle parts and accessories.....	337.6	340.9	331.6	336.3	-	261.3	264.2	257.7	261.9	-
3715	Truck trailers.....	21.2	20.9	19.6	21.2	-	15.6	15.2	14.1	15.6	-
372	Aircraft and parts.....	602.2	600.8	580.4	578.9	-	308.4	305.1	285.4	284.6	-
3721	Aircraft.....	320.7	319.7	308.3	307.1	-	146.5	144.1	134.7	134.4	-
3724	Aircraft engines and engine parts.....	148.4	148.4	143.3	143.0	-	84.1	83.9	77.5	77.0	-
3728	Aircraft equipment, nec.....	133.1	132.7	128.8	128.8	-	77.8	77.1	73.2	73.2	-
373	Ship and boat building and repairing.....	217.2	214.8	196.3	198.2	-	166.5	163.5	146.3	148.5	-
3731	Ship building and repairing.....	176.2	175.6	153.9	153.8	-	133.0	131.6	111.3	111.7	-
3732	Boat building and repairing.....	41.0	39.2	42.4	44.4	-	33.5	31.9	35.0	36.8	-
374	Railroad equipment.....	39.0	37.9	27.8	28.5	-	24.2	23.6	16.8	17.5	-
376	Guided missiles, space vehicles, parts.....	131.4	132.3	139.6	140.9	-	40.1	40.0	44.7	45.9	-
3761	Guided missiles and space vehicles.....	104.1	104.9	110.8	111.8	-	30.0	30.1	34.2	35.3	-

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>				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
<b>TRANSPORTATION EQUIPMENT—Continued</b>											
379	Miscellaneous transportation equipment .....	43.2	43.3	47.2	47.4	-	29.7	29.9	32.1	32.3	-
3792	Travel trailers and campers .....	17.2	17.0	19.5	20.0	-	13.4	13.2	15.3	15.9	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b> .....	721.9	725.5	688.8	688.5	694.5	417.3	417.2	383.3	385.3	391.3
381	Engineering and scientific instruments .....	82.3	82.4	80.0	80.0	-	38.4	38.2	36.7	36.7	-
382	Measuring and controlling devices .....	248.5	248.5	236.7	235.2	-	152.8	151.1	138.0	138.6	-
3822	Environmental controls .....	42.9	43.1	43.4	44.2	-	28.8	28.6	28.3	29.3	-
3823	Process control instruments .....	61.1	60.9	54.8	54.8	-	31.4	31.2	26.3	26.5	-
3825	Instruments to measure electricity .....	102.0	102.4	100.0	97.7	-	63.6	62.9	57.7	56.8	-
383	Optical instruments and lenses .....	34.0	33.8	33.3	33.2	-	18.6	18.5	16.8	16.9	-
384	Medical instruments and supplies .....	158.5	159.8	156.6	157.9	-	98.6	98.6	94.7	95.8	-
3841	Surgical and medical instruments .....	75.2	76.4	75.0	75.9	-	44.5	44.7	43.3	43.9	-
3842	Surgical appliances and supplies .....	67.6	68.0	67.6	68.1	-	44.8	44.7	43.2	43.8	-
385	Ophthalmic goods .....	39.6	39.3	36.7	37.1	-	27.2	27.3	25.1	25.4	-
386	Photographic equipment and supplies .....	141.1	143.8	128.2	128.2	-	69.2	71.0	60.2	60.5	-
387	Watches, clocks, and watchcases .....	17.9	17.9	17.3	16.9	-	12.5	12.5	11.8	11.4	-
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> .....	366.6	388.7	377.9	380.6	386.2	280.5	281.8	271.3	274.1	279.8
391	Jewelry, silverware, and plated ware .....	54.5	54.8	55.6	55.1	-	38.3	38.6	39.1	38.9	-
3911	Jewelry, precious metal .....	35.5	35.8	36.8	36.4	-	24.9	25.2	26.0	25.7	-
393	Musical instruments .....	19.3	18.6	18.8	18.8	-	15.1	14.4	14.8	14.5	-
394	Toys and sporting goods .....	114.3	114.8	109.8	110.9	-	84.9	85.2	78.7	79.7	-
3942, 4	Dolls, games, toys, and children's vehicles .....	59.1	60.5	56.9	58.4	-	42.2	43.4	38.6	40.0	-
3949	Sporting and athletic goods, nec .....	55.2	54.3	52.9	52.5	-	42.7	41.8	40.1	39.7	-
395	Pens, pencils, office and art supplies .....	33.0	32.7	30.4	30.8	-	22.9	22.5	21.2	21.3	-
396	Costume jewelry and notions .....	38.9	39.5	38.2	39.2	-	29.4	29.9	29.1	30.0	-
3961	Costume jewelry .....	19.7	20.2	20.0	20.5	-	15.1	15.5	15.3	15.8	-
399	Miscellaneous manufactures .....	126.6	128.3	125.1	125.8	-	89.9	91.2	88.6	89.7	-
3993	Signs and advertising displays .....	46.6	47.2	47.0	47.5	-	33.2	33.7	32.9	33.3	-
<b>NONDURABLE GOODS</b>											
20	<b>FOOD AND KINDRED PRODUCTS</b> .....	1,593.4	1,619.7	1,565.6	1,582.7	1,620.6	1,083.5	1,107.0	1,064.2	1,079.4	1,112.7
201	Meat products .....	347.8	349.0	336.7	340.1	-	290.4	292.0	279.8	283.4	-
2011	Meat packing plants .....	149.3	146.5	138.9	140.2	-	122.8	120.5	112.1	113.5	-
2013	Sausages and other prepared meats .....	71.4	71.9	69.5	69.8	-	53.1	53.4	51.6	51.7	-
2016	Poultry dressing plants .....	111.8	114.8	113.0	114.3	-	101.2	104.3	102.7	104.3	-
202	Dairy products .....	167.6	170.8	162.9	164.9	-	93.5	96.4	91.7	94.0	-
2022	Cheese, natural and processed .....	35.6	36.8	34.7	35.5	-	26.7	27.8	26.5	27.1	-
2026	Fluid milk .....	94.3	94.9	90.7	90.6	-	42.7	43.0	41.4	41.9	-
203	Preserved fruits and vegetables .....	209.5	216.5	205.7	209.8	-	169.2	176.1	165.7	169.6	-
2032	Canned specialties .....	22.6	22.7	21.8	21.7	-	16.4	16.5	16.3	15.8	-
2033	Canned fruits and vegetables .....	70.2	73.5	65.3	67.2	-	54.5	57.6	50.3	52.4	-
2037	Frozen fruits and vegetables .....	44.3	46.1	42.4	45.1	-	38.6	40.2	38.2	38.7	-
204	Grain mill products .....	132.1	134.0	134.1	133.6	-	89.2	90.9	90.4	89.6	-
2041	Flour and other grain mill products .....	24.8	25.0	26.8	26.6	-	15.0	15.2	16.3	16.0	-
2048	Prepared feeds, nec .....	50.4	51.3	49.1	49.2	-	32.2	32.9	31.1	31.1	-
205	Bakery products .....	217.8	220.2	216.1	217.3	-	127.0	128.7	126.4	127.5	-
2051	Bread, cake, and related products .....	176.3	178.1	173.0	174.2	-	94.3	95.6	91.9	92.9	-
2052	Cookies and crackers .....	41.5	42.1	43.1	43.1	-	32.7	33.1	34.5	34.6	-
206	Sugar and confectionery products .....	92.3	93.4	97.0	98.3	-	68.7	70.3	74.0	75.5	-
2061-3	Cane and beet sugar .....	25.4	25.5	24.8	24.8	-	18.3	18.5	18.4	18.8	-
2065	Confectionery products .....	48.0	48.6	53.3	53.9	-	37.9	38.8	43.0	43.4	-
207	Fats and oils .....	39.7	39.2	36.1	35.8	-	29.7	29.2	26.9	26.4	-
208	Beverages .....	231.7	235.7	223.8	224.7	-	100.6	102.6	96.3	95.8	-
2082	Malt beverages .....	52.0	52.3	48.4	48.3	-	33.6	33.6	31.0	30.8	-
2086	Bottled and canned soft drinks .....	134.7	137.7	131.5	132.9	-	44.3	45.5	42.3	43.0	-
209	Misc. foods and kindred products .....	154.9	160.9	153.2	158.2	-	115.2	120.8	113.0	117.6	-
21	<b>TOBACCO MANUFACTURES</b> .....	62.9	64.0	61.4	60.8	61.1	48.2	49.1	46.5	46.0	46.3
211	Cigarettes .....	46.6	48.2	44.3	44.5	-	35.7	37.2	33.3	33.6	-
22	<b>TEXTILE MILL PRODUCTS</b> .....	759.5	745.7	733.0	737.4	746.8	649.8	637.1	630.2	634.5	643.8
221	Weaving mills, cotton .....	131.3	126.0	122.3	122.6	-	115.2	110.3	108.1	108.6	-
222	Weaving mills, synthetics .....	95.4	88.7	89.2	89.1	-	84.3	77.6	79.3	79.6	-
223	Weaving and finishing mills, wool .....	17.7	17.3	16.6	16.7	-	14.8	14.4	14.0	14.1	-
224	Narrow fabric mills .....	22.9	22.9	22.1	21.9	-	19.9	19.9	19.0	18.8	-
225	Knitting mills .....	205.7	207.8	201.6	203.7	-	177.0	179.6	173.5	175.5	-
2251	Women's hosiery, except socks .....	31.3	31.7	32.3	32.4	-	28.0	28.4	28.9	29.0	-
2252	Hosiery, nec .....	31.5	31.9	31.6	31.8	-	28.3	28.7	26.5	28.8	-
2253	Knit outerwear mills .....	66.7	67.5	62.8	63.6	-	56.6	58.0	53.2	54.0	-
2254	Knit underwear mills .....	28.9	29.2	29.5	29.7	-	24.3	24.5	25.0	25.1	-

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
	<b>TEXTILE MILL PRODUCTS—Continued</b>										
2257	Circular knit fabric mills	26.4	26.5	26.3	26.7	-	22.3	22.4	22.2	22.5	-
226	Textile finishing, except wool	66.7	66.0	64.6	65.0	-	55.3	54.5	53.7	54.0	-
2261	Finishing plants, cotton	28.3	27.9	27.6	27.6	-	23.2	22.9	22.8	22.8	-
2262	Finishing plants, synthetics	24.5	24.0	22.5	22.7	-	20.5	20.0	18.7	18.9	-
227	Floor covering mills	47.7	47.9	47.7	48.1	-	37.6	37.6	37.6	38.0	-
228	Yarn and thread mills	111.8	109.5	110.4	111.4	-	98.6	96.5	99.0	99.7	-
2281	Yarn mills, except wool	75.4	74.1	75.6	76.4	-	67.7	66.4	68.5	69.2	-
2282	Throwing and winding mills	17.4	17.3	17.2	17.3	-	15.1	15.1	15.3	15.3	-
229	Miscellaneous textile goods	60.3	59.6	58.5	58.9	-	47.1	46.7	46.0	46.2	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	<b>1,176.5</b>	<b>1,186.8</b>	<b>1,148.5</b>	<b>1,160.1</b>	<b>1,179.5</b>	<b>995.3</b>	<b>1,005.6</b>	<b>971.5</b>	<b>982.9</b>	<b>1,000.4</b>
231	Men's and boys' suits and coats	76.3	76.7	67.1	68.0	-	66.6	67.0	58.5	59.6	-
232	Men's and boys' furnishings	327.2	330.2	319.9	324.9	-	277.9	281.0	273.6	278.3	-
2321	Men's and boys' shirts and nightwear	93.1	95.3	89.2	90.7	-	80.0	84.8	77.1	78.1	-
2327	Men's and boys' separate trousers	66.9	66.4	65.5	65.7	-	58.3	57.9	56.7	57.1	-
2328	Men's and boys' work clothing	91.6	93.1	92.6	95.3	-	75.6	77.5	78.3	81.0	-
233	Women's and misses' outerwear	390.8	395.4	388.1	387.6	-	333.4	337.2	329.0	328.6	-
2331	Women's and misses' blouses and waists	62.4	63.3	61.9	63.2	-	53.6	54.6	52.3	53.6	-
2335	Women's and misses' dresses	130.5	131.1	130.8	126.8	-	113.6	113.6	112.9	108.6	-
2337	Women's and misses' suits and coats	56.7	61.2	54.8	57.7	-	48.3	52.3	46.5	49.4	-
2339	Women's and misses' outerwear, nec.	140.8	139.8	140.6	139.9	-	117.9	116.7	117.3	117.0	-
234	Women's and children's undergarments	83.5	83.1	81.7	82.2	-	71.0	70.6	69.1	69.7	-
2341	Women's and children's underwear	68.0	67.8	67.0	67.2	-	59.2	59.0	58.0	58.3	-
2342	Brassieres and allied garments	15.5	15.3	14.7	15.0	-	11.8	11.6	11.1	11.4	-
238	Children's outerwear	63.6	64.3	59.4	60.3	-	53.9	54.5	50.3	51.3	-
2361	Children's dresses and blouses	26.7	27.1	25.3	25.8	-	23.8	24.2	22.4	22.8	-
238	Misc. apparel and accessories	49.9	50.6	46.1	46.3	-	41.5	42.5	38.1	38.2	-
239	Misc. fabricated textile products	165.1	166.1	167.5	171.0	-	134.2	135.8	137.5	140.8	-
2391	Curtains and draperies	23.6	23.7	23.2	23.7	-	19.2	19.3	19.0	19.4	-
2392	House furnishings, nec.	46.1	46.6	46.2	50.1	-	38.0	38.6	41.3	42.0	-
2396	Automotive and apparel trimmings	30.2	30.8	31.1	31.8	-	24.4	25.1	25.7	26.3	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	<b>662.6</b>	<b>666.5</b>	<b>651.8</b>	<b>654.9</b>	<b>662.5</b>	<b>493.5</b>	<b>496.3</b>	<b>486.2</b>	<b>490.1</b>	<b>498.0</b>
261, 2.6	Paper and pulp mills	196.3	200.3	192.7	193.7	-	146.9	150.8	145.0	146.1	-
262	Paper mills, except building paper	170.5	173.6	166.7	167.6	-	129.2	129.2	123.9	124.9	-
263	Paperboard mills	60.7	60.7	58.9	58.8	-	47.2	46.9	44.9	45.1	-
264	Misc. converted paper products	216.5	215.6	215.4	215.9	-	156.9	155.5	156.3	157.5	-
2641	Paper coating and glazing	57.1	57.6	57.0	57.3	-	35.9	36.1	36.4	36.8	-
2642	Envelopes	25.7	25.5	26.0	25.7	-	19.7	19.5	20.1	19.9	-
2643	Bags, except textile bags	48.7	48.3	46.7	48.3	-	37.6	37.0	37.6	37.4	-
265	Paperboard containers and boxes	169.1	189.9	184.8	186.5	-	142.5	143.1	140.0	141.4	-
2651	Folding paperboard boxes	41.1	41.0	39.3	39.5	-	31.8	31.7	30.6	30.8	-
2653	Corrugated and solid fiber boxes	97.8	98.3	96.7	97.3	-	71.5	71.9	71.3	71.7	-
2654	Sanitary food containers	22.5	22.8	22.5	22.9	-	18.1	18.3	18.2	18.5	-
27	<b>PRINTING AND PUBLISHING</b>	<b>1,270.0</b>	<b>1,268.0</b>	<b>1,274.3</b>	<b>1,275.0</b>	<b>1,276.3</b>	<b>700.1</b>	<b>696.3</b>	<b>701.5</b>	<b>700.8</b>	<b>700.0</b>
271	Newspapers	416.9	418.1	417.0	418.9	-	157.7	157.5	157.1	157.3	-
272	Periodicals	96.4	97.1	98.2	97.8	-	21.3	21.2	21.6	21.2	-
273	Books	102.3	100.4	98.5	97.8	-	52.1	50.6	51.2	50.7	-
2731	Book publishing	72.3	71.2	70.4	69.5	-	27.6	26.7	28.0	27.4	-
2732	Book printing	30.0	29.2	28.1	28.3	-	24.5	23.9	23.2	23.3	-
274	Miscellaneous publishing	50.0	50.1	52.2	51.8	-	26.3	26.3	28.7	28.3	-
275	Commercial printing	429.9	423.3	429.5	429.5	-	312.4	310.1	313.1	313.1	-
2751	Commercial printing, letterpress	151.9	150.8	151.3	151.1	-	111.8	111.1	112.5	112.1	-
2752	Commercial printing, lithographic	250.8	249.6	255.5	255.3	-	182.0	180.7	182.8	182.8	-
276	Manifold business forms	47.3	47.4	47.4	47.4	-	33.1	33.2	33.0	33.1	-
278	Blankbooks and bookbinding	61.1	61.2	60.4	60.7	-	49.5	49.5	48.7	49.2	-
279	Printing trade services	45.5	45.6	47.1	47.0	-	33.7	33.6	35.1	34.8	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	<b>1,084.6</b>	<b>1,088.8</b>	<b>1,055.7</b>	<b>1,057.9</b>	<b>1,065.9</b>	<b>606.8</b>	<b>606.6</b>	<b>586.5</b>	<b>588.7</b>	<b>596.7</b>
281	Industrial inorganic chemicals	161.4	161.8	152.8	153.0	-	87.1	86.4	78.6	78.6	-
2819	Industrial inorganic chemicals, nec.	106.4	106.8	102.9	103.2	-	56.9	56.7	54.0	54.1	-
282	Plastics materials and synthetics	187.5	188.2	179.2	179.5	-	121.5	121.3	116.0	116.4	-
2821	Plastics materials and resins	74.8	75.3	74.9	75.0	-	43.3	43.8	43.2	43.4	-
2824	Organic fibers, noncellulosic	79.6	80.0	74.0	74.0	-	55.7	55.2	52.0	51.9	-
283	Drugs	198.9	200.5	199.9	201.1	-	98.8	99.4	98.0	98.5	-
2834	Pharmaceutical preparations	155.7	157.1	157.4	157.8	-	76.1	76.6	75.7	75.5	-
284	Soap, cleaners, and toilet goods	143.7	146.4	147.5	148.3	-	89.3	91.3	91.4	92.2	-
2841	Soap and other detergents	42.9	44.0	44.5	44.7	-	28.0	28.9	28.5	28.6	-
2844	Toilet preparations	62.3	63.6	64.2	64.9	-	40.7	41.7	41.8	42.6	-
2842, 3	Polishing, sanitation, and finishing preparations	38.5	38.8	38.8	38.7	-	20.6	20.7	21.1	21.0	-
285	Paints and allied products	60.6	61.9	60.9	61.4	-	29.4	30.3	29.6	29.9	-
286	Industrial organic chemicals	171.5	171.9	163.3	162.5	-	86.4	86.4	84.2	84.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
2855	Cyclic crudes and intermediates.....	34.7	34.6	31.7	31.5	-	21.3	21.3	19.4	19.1	-
2861.9	Gum, wood, and industrial organic chemicals, nec.....	136.8	137.3	131.6	131.0	-	65.1	65.1	64.8	64.9	-
287	Agricultural chemicals.....	68.8	66.1	63.2	63.0	-	42.7	39.8	38.8	38.8	-
289	Miscellaneous chemical products.....	92.2	92.0	88.9	89.1	-	51.6	51.7	49.9	50.3	-
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	201.2	202.0	196.9	197.7	200.2	119.9	120.9	119.8	120.2	123.3
291	Petroleum refining.....	163.8	163.7	160.0	159.4	-	93.7	93.7	93.7	92.8	-
295	Paving and roofing materials.....	25.6	26.6	25.5	27.0	-	19.0	20.1	19.2	20.6	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b> .....	707.6	711.1	707.4	716.0	728.5	542.6	545.7	546.8	554.3	565.7
301	Tires and inner tubes.....	105.9	106.4	100.5	100.8	-	74.9	75.6	73.4	73.6	-
302	Rubber and plastics footwear.....	19.3	19.7	19.1	19.4	-	16.8	17.1	16.2	16.4	-
303.4	Reclaimed rubber, and rubber and plastics hose and belting.....	23.1	22.8	20.2	20.8	-	16.7	16.3	13.9	14.5	-
306	Fabricated rubber products, nec.....	99.2	99.5	97.3	98.3	-	75.4	75.6	74.0	75.2	-
307	Miscellaneous plastics products.....	460.1	462.7	470.3	476.7	-	358.8	361.1	369.3	374.6	-
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	225.4	228.6	213.6	215.8	220.9	188.8	191.4	177.5	179.9	185.6
311	Leather tanning and finishing.....	19.3	19.6	19.1	19.4	-	15.9	16.2	15.9	16.2	-
314	Footwear, except rubber.....	137.7	141.3	132.7	134.6	-	117.3	120.4	112.6	114.7	-
3143	Men's footwear, except athletic.....	54.5	56.4	51.8	52.3	-	45.1	46.4	41.4	42.1	-
3144	Women's footwear, except athletic.....	53.1	54.5	51.9	53.2	-	45.9	47.5	46.0	47.3	-
316	Luggage.....	14.8	14.8	13.4	13.5	-	11.3	11.3	9.4	9.4	-
317	Handbags and personal leather goods.....	29.3	29.3	25.8	25.9	-	24.0	23.9	20.7	20.8	-
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	5,119	5,140	4,953	4,991	5,037	4,225	4,248	4,077	4,111	4,158
40	<b>RAILROAD TRANSPORTATION</b> .....	445.5	445.0	376.4	385.1	-	-	-	-	-	-
4011	Class 1 railroads <sup>2</sup> .....	411.9	411.5	347.3	355.3	-	-	-	-	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b> .....	260.2	268.9	275.6	279.5	-	260.0	250.6	256.4	259.9	-
411	Local and suburban transportation.....	85.4	85.5	86.1	87.1	-	77.9	79.0	79.2	80.1	-
412	Taxicabs.....	43.1	42.3	39.9	39.8	-	-	-	-	-	-
413	Intercity highway transportation**.....	37.5	38.7	33.1	34.0	-	34.1	35.5	30.3	31.1	-
415	School buses.....	94.5	82.7	97.1	98.4	-	-	-	-	-	-
42	<b>TRUCKING AND WAREHOUSING</b> .....	1,207.8	1,223.2	1,171.1	1,186.5	-	1,046.3	1,062.8	1,014.5	1,029.2	-
421.3	Trucking and trucking terminals.....	1,127.2	1,142.2	1,093.6	1,109.6	-	979.3	995.3	950.2	965.5	-
422	Public warehousing.....	60.6	81.0	77.5	76.9	-	67.0	67.5	64.3	63.7	-
44	<b>WATER TRANSPORTATION</b> .....	210.8	213.1	192.4	194.3	-	-	-	-	-	-
45	<b>TRANSPORTATION BY AIR</b> .....	448.7	440.6	445.0	448.0	-	-	-	-	-	-
451.2	Air transportation.....	398.3	389.8	393.2	396.2	-	-	-	-	-	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b> .....	21.9	22.6	21.8	22.0	-	15.0	15.4	15.4	15.4	-
47	<b>TRANSPORTATION SERVICES</b> .....	217.8	220.5	215.3	219.3	-	-	-	-	-	-
48	<b>COMMUNICATION</b> .....	1,424.1	1,424.4	1,378.9	1,376.9	-	1,075.8	1,081.0	1,047.9	1,045.8	-
481	Telephone communication.....	1,077.5	1,078.2	1,010.7	1,009.0	-	791.9	795.1	753.2	752.3	-
483	Radio and television broadcasting.....	219.0	220.2	229.3	230.0	-	178.3	179.4	181.9	182.4	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b> .....	865.3	881.5	876.9	879.5	-	699.3	714.3	704.5	707.6	-
491	Electric services.....	417.5	424.3	431.0	432.2	-	332.8	338.8	341.1	343.3	-
492	Gas production and distribution.....	176.1	182.1	174.6	175.2	-	141.7	147.7	139.4	139.9	-
493	Combination utility services.....	196.0	198.9	196.4	196.4	-	159.3	162.3	159.1	158.8	-
495	Sanitary services.....	51.0	51.3	50.5	51.2	-	45.1	45.2	44.7	45.4	-
-	<b>WHOLESALE AND RETAIL TRADE</b> .....	20,457	20,573	20,177	20,369	20,580	17,886	17,992	17,601	17,785	17,972
50.51	<b>WHOLESALE TRADE</b> .....	5,307	5,326	5,164	5,196	5,236	4,293	4,310	4,148	4,176	4,216
50	<b>WHOLESALE TRADE - DURABLE GOODS</b> .....	3,116	3,118	3,023	3,036	-	2,505	2,508	2,413	2,424	-
501	Motor vehicles and automotive equipment.....	406.1	407.7	399.1	401.1	-	327.9	329.6	320.1	321.6	-
502	Furniture and home furnishing.....	113.1	113.2	115.3	115.5	-	92.8	92.9	94.0	94.3	-
503	Lumber and construction materials.....	177.6	179.5	182.4	186.5	-	144.4	146.7	149.2	152.7	-
504	Sporting goods, toys, and hobby goods.....	71.5	72.8	71.7	71.6	-	57.3	58.4	57.8	57.7	-
505	Metals and minerals, except petroleum.....	144.4	142.2	129.7	130.4	-	114.2	112.6	102.9	103.7	-
506	Electrical goods.....	431.7	432.3	425.5	426.1	-	345.8	345.8	337.3	338.1	-
507	Hardware, plumbing, and heating equipment.....	235.0	236.3	232.6	233.3	-	189.9	190.9	187.3	187.9	-

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>				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
	<b>WHOLESALE TRADE-DURABLE GOODS—</b>										
	Continued										
508	Machinery, equipment, and supplies .....	1,351.0	1,351.4	1,292.4	1,295.7	-	1,077.5	1,079.4	1,019.8	1,022.2	-
508	Miscellaneous durable goods .....	165.5	182.4	174.4	175.5	-	154.8	151.5	144.4	146.0	-
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> ..	2,191	2,208	2,141	2,160	-	1,788	1,802	1,735	1,752	-
511	Paper and paper products .....	156.9	157.1	157.2	159.0	-	126.0	126.3	126.8	127.7	-
512	Drugs, proprietaries, and sundries .....	152.5	154.7	153.4	153.5	-	129.2	130.1	128.6	128.7	-
513	Apparel, piece goods, and notions .....	168.6	171.3	166.8	166.7	-	131.4	133.9	126.8	126.6	-
514	Groceries and related products .....	673.3	685.8	643.5	653.0	-	578.2	590.6	548.2	557.4	-
516	Chemicals and allied products .....	133.9	135.0	132.6	132.6	-	95.3	96.1	92.0	91.3	-
517	Patroleum and petroleum products .....	226.6	227.5	216.0	217.2	-	171.8	172.2	163.6	164.9	-
518	Beer, wine, and distilled beverages .....	144.6	146.9	143.1	145.6	-	120.6	122.5	118.9	121.2	-
519	Miscellaneous nondurable goods .....	394.9	393.6	390.2	394.6	-	322.3	320.2	316.9	321.8	-
52-59	<b>RETAIL TRADE</b> .....	15,150	15,247	15,013	15,173	15,344	13,593	13,682	13,453	13,609	13,756
52	<b>BUILDING MATERIALS AND GARDEN</b>										
	SUPPLIES .....	596.0	599.7	590.8	605.5	-	502.6	505.9	497.4	511.7	-
521	Lumber and other building materials .....	299.4	305.9	302.2	311.5	-	252.0	258.6	255.4	264.4	-
525	Hardware stores .....	147.6	148.9	148.0	151.1	-	125.5	127.0	125.1	128.1	-
53	<b>GENERAL MERCHANDISE STORES</b> .....	2,139.9	2,150.6	2,108.5	2,119.4	-	1,981.3	1,993.9	1,966.9	1,975.5	-
531	Department stores .....	1,800.3	1,809.0	1,798.0	1,802.8	-	1,673.7	1,684.3	1,688.4	1,691.4	-
533	Variety stores .....	226.3	225.1	203.1	206.6	-	210.4	208.9	186.8	189.6	-
539	Misc. general merchandise stores .....	113.3	116.5	107.4	110.0	-	97.2	100.7	91.7	94.5	-
54	<b>FOOD STORES</b> .....	2,447.7	2,466.3	2,452.9	2,471.1	-	2,266.2	2,286.0	2,273.7	2,293.8	-
541	Grocery stores .....	2,143.2	2,159.5	2,151.0	2,164.6	-	1,990.0	2,006.4	2,002.7	2,017.0	-
542	Meat markets and freezer provisioners .....	57.4	57.3	59.6	59.9	-	-	-	-	-	-
546	Retail bakeries .....	129.4	130.8	131.9	133.3	-	119.2	121.0	119.6	121.5	-
55	<b>AUTOMOTIVE DEALERS AND SERVICE</b>										
	STATIONS .....	1,624.8	1,637.7	1,595.2	1,604.4	-	1,369.1	1,381.2	1,339.5	1,348.4	-
551.2	New and used car dealers .....	732.8	738.7	738.4	740.2	-	601.1	605.6	605.9	607.5	-
553	Auto and home supply stores .....	261.5	262.6	253.5	256.6	-	224.7	225.9	218.4	221.6	-
554	Gasoline service stations .....	549.5	554.4	525.9	527.1	-	478.4	482.9	453.7	454.2	-
56	<b>APPAREL AND ACCESSORY STORES</b> .....	929.5	933.7	932.2	935.9	-	790.3	794.1	787.7	790.9	-
561	Men's and boys' clothing and furnishings .....	118.5	119.1	115.2	115.9	-	100.2	101.2	96.9	97.4	-
562	Women's ready-to-wear stores .....	337.6	338.6	339.2	343.6	-	291.1	291.3	289.5	293.5	-
565	Family clothing stores .....	170.9	171.5	167.2	168.8	-	148.9	149.6	145.0	146.6	-
566	Shoe stores .....	200.3	202.1	204.2	199.1	-	162.5	164.3	166.4	161.8	-
57	<b>FURNITURE AND HOME FURNISHINGS</b>										
	STORES .....	572.2	573.9	572.4	575.1	-	472.2	473.4	472.7	474.7	-
571	Furniture and home furnishings stores .....	347.3	347.9	342.5	346.1	-	286.7	287.4	282.8	286.2	-
572	Household appliance stores .....	74.8	75.8	71.6	72.4	-	62.9	63.6	61.3	61.7	-
573	Radio, television, and music stores .....	150.1	150.2	158.3	156.6	-	122.6	122.4	128.6	126.8	-
58	<b>EATING AND DRINKING PLACES</b> .....	4,930.6	4,985.2	4,872.8	4,960.1	-	4,546.4	4,595.9	4,481.9	4,569.6	-
59	<b>MISCELLANEOUS RETAIL</b> .....	1,909.6	1,899.4	1,887.9	1,901.5	-	1,664.5	1,652.0	1,633.4	1,644.6	-
591	Drug stores and proprietary stores .....	488.6	490.4	485.7	484.5	-	437.8	439.3	431.3	429.6	-
592	Liquor stores .....	127.6	127.1	125.0	124.4	-	-	-	-	-	-
594	Miscellaneous shopping goods stores .....	606.8	606.9	610.0	614.5	-	520.2	518.3	518.6	522.4	-
596	Nonstore retailers .....	246.3	245.2	245.6	245.2	-	227.0	226.0	226.3	225.7	-
598	Fuel and ice dealers .....	100.3	99.3	99.0	97.5	-	83.3	82.3	82.1	80.6	-
599	Retail stores, nec. ....	278.3	268.8	260.4	272.4	-	235.3	226.0	216.9	228.9	-
-	<b>FINANCE, INSURANCE, AND REAL</b>										
	ESTATE .....	5,332	5,395	5,401	5,431	5,506	3,987	4,048	4,017	4,042	4,107
60	<b>BANKING</b> .....	1,650.8	1,668.1	1,649.4	1,651.5	-	1,236.9	1,253.1	1,228.5	1,230.1	-
602	Commercial and stock savings banks .....	1,503.6	1,519.4	1,497.9	1,499.0	-	1,119.2	1,134.1	1,108.3	1,109.6	-
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	577.1	580.1	605.1	608.7	-	436.1	438.3	458.6	461.3	-
612	Savings and loan associations .....	266.7	268.2	287.6	290.0	-	203.5	204.7	220.3	222.3	-
614	Personal credit institutions .....	196.1	196.2	193.9	194.2	-	150.2	150.2	147.7	148.0	-
62	<b>SECURITY, COMMODITY BROKERS, AND</b>										
	SERVICES .....	270.9	272.9	296.9	301.0	-	-	-	-	-	-
621	Security brokers and dealers .....	221.0	222.8	237.9	242.0	-	-	-	-	-	-
63	<b>INSURANCE CARRIERS</b> .....	1,238.6	1,243.1	1,232.0	1,231.1	-	846.5	849.4	835.5	833.8	-
631	Life insurance .....	546.3	548.2	541.0	540.2	-	336.8	338.1	330.6	328.3	-

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>				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
	<b>INSURANCE CARRIERS—Continued</b>										
632	Medical service and health insurance .....	142.1	143.1	143.6	143.5	-	112.3	113.6	114.2	114.4	-
633	Fire, marine, and casualty insurance .....	479.8	481.0	472.3	471.3	-	343.4	343.3	331.7	331.2	-
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b> .....	475.9	478.8	480.6	478.4	-	-	-	-	-	-
65	<b>REAL ESTATE</b> .....	965.3	998.1	983.1	1,006.1	-	-	-	-	-	-
651	Real estate operators and lessors .....	471.8	488.7	492.4	499.1	-	-	-	-	-	-
653	Real estate agents and managers .....	353.3	365.0	355.6	360.1	-	-	-	-	-	-
655	Subdividers and developers .....	121.3	125.2	115.6	126.6	-	-	-	-	-	-
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC.</b> .....	18.0	18.1	17.1	17.0	-	-	-	-	-	-
67	<b>HOLDING AND OTHER INVESTMENT OFFICES</b> .....	135.0	136.1	136.6	137.2	-	-	-	-	-	-
-	<b>SERVICES</b> .....	19,094	19,195	19,517	19,643	19,869	16,972	17,058	17,269	17,407	17,607
70	<b>HOTELS AND OTHER LODGING PLACES</b> .....	1,142.7	1,181.1	1,105.3	1,127.9	-	-	-	-	-	-
701	Hotels, motels, and tourist courts .....	1,106.9	1,135.9	1,074.1	1,092.5	-	1,016.5	1,045.0	979.1	995.9	-
72	<b>PERSONAL SERVICES</b> .....	920.1	923.2	970.9	937.7	-	-	-	-	-	-
721	Laundry, cleaning, and garment services .....	349.2	349.5	344.4	346.0	-	311.5	312.0	305.4	307.0	-
723	Beauty shops .....	282.9	285.0	293.5	295.5	-	260.3	262.6	271.8	273.1	-
726	Funeral service and crematories .....	71.3	71.7	72.4	72.2	-	-	-	-	-	-
73	<b>BUSINESS SERVICES</b> .....	3,281.7	3,308.3	3,463.4	3,518.5	-	2,861.2	2,884.7	2,994.5	3,043.3	-
731	Advertising .....	161.0	162.0	166.1	165.8	-	124.0	125.0	124.2	123.1	-
732	Credit reporting and collection .....	73.9	74.6	77.3	78.8	-	-	-	-	-	-
733	Mailing, reproduction, stenographic .....	133.4	134.2	139.1	138.9	-	-	-	-	-	-
734	Services to buildings .....	523.3	526.5	528.7	538.3	-	476.3	479.3	480.5	488.8	-
736	Personnel supply services .....	564.7	567.7	652.3	677.9	-	-	-	-	-	-
737	Computer and data processing services .....	359.0	361.1	393.2	392.3	-	293.0	295.8	325.6	323.5	-
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	585.2	585.2	579.5	586.7	-	495.6	495.3	489.3	495.9	-
753	Automotive repair shops .....	364.0	364.9	362.9	366.7	-	304.3	304.5	302.2	306.1	-
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	286.1	284.9	266.1	266.0	-	241.6	240.8	218.6	219.7	-
78	<b>MOTION PICTURES</b> .....	203.5	218.5	206.1	207.1	-	173.4	187.5	177.9	179.2	-
781	Motion picture production and services .....	74.8	82.0	86.3	80.7	-	59.0	65.2	72.1	67.3	-
783	Motion picture theaters .....	117.9	125.8	109.6	116.1	-	-	-	-	-	-
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	843.0	907.5	826.6	884.1	-	765.1	827.7	750.9	810.4	-
80	<b>HEALTH SERVICES</b> .....	5,764.1	5,825.2	5,904.9	5,918.8	-	5,161.3	5,219.3	5,292.9	5,308.0	-
801	Offices of physicians .....	816.3	825.8	846.3	850.8	-	668.9	678.2	712.2	717.0	-
802	Offices of dentists .....	380.5	384.7	402.3	403.9	-	336.3	339.9	355.5	356.9	-
805	Nursing and personal care facilities .....	1,057.4	1,069.7	1,085.0	1,091.1	-	957.5	968.4	980.7	986.6	-
806	Hospitals .....	2,999.5	3,029.4	3,024.7	3,022.5	-	2,753.1	2,761.8	2,775.7	2,774.1	-
81	<b>LEGAL SERVICES</b> .....	554.5	575.7	587.2	587.0	-	469.0	488.1	496.0	495.5	-
82	<b>EDUCATIONAL SERVICES</b> .....	1,237.2	1,097.9	1,283.4	1,250.8	-	-	-	-	-	-
821	Elementary and secondary schools .....	339.7	319.3	333.8	336.4	-	-	-	-	-	-
822	Colleges and universities .....	777.2	659.6	820.6	786.5	-	-	-	-	-	-
83	<b>SOCIAL SERVICES</b> .....	1,164.8	1,152.2	1,230.7	1,247.0	-	-	-	-	-	-
86	<b>MEMBERSHIP ORGANIZATIONS</b> .....	1,542.7	1,533.1	1,522.5	1,521.4	-	-	-	-	-	-
89	<b>MISCELLANEOUS SERVICES</b> .....	1,048.0	1,058.4	1,056.2	1,049.7	-	857.7	866.7	863.0	857.5	-
891	Engineering and architectural services .....	576.1	583.3	562.5	567.6	-	473.0	479.6	463.8	469.6	-
893	Accounting, auditing, and bookkeeping .....	343.0	343.6	367.3	355.8	-	277.1	279.1	296.9	285.4	-
-	<b>GOVERNMENT</b> .....	16,179	15,982	16,032	16,039	15,767	-	-	-	-	-
-	<b>FEDERAL GOVERNMENT</b> .....	2,733	2,786	2,746	2,749	2,792	-	-	-	-	-
-	Executive, by agency** .....	2,679.1	2,730.0	2,691.1	2,685.1	-	-	-	-	-	-
-	Department of Defense .....	940.6	961.0	961.1	955.1	-	-	-	-	-	-
-	Postal Service .....	660.8	664.9	659.4	659.4	-	-	-	-	-	-
-	Other executive agencies .....	1,077.7	1,104.1	1,070.6	1,070.6	-	-	-	-	-	-
-	Legislative .....	38.6	40.5	39.1	39.1	-	-	-	-	-	-
-	Judicial .....	15.5	15.6	16.0	24.8	-	-	-	-	-	-

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>				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
	<b>FEDERAL GOVERNMENT—Continued</b>										
	Federal Government, by industry										
—	Manufacturing activities	134.4	136.0	136.7	137.9	—	—	—	—	—	
3731	Shipbuilding and repairing	82.1	82.6	83.0	83.4	—	—	—	—	—	
—	Transportation and public utilities, except										
—	Postal Service	42.5	42.1	40.0	39.9	—	—	—	—	—	
—	Services	390.9	400.0	389.8	393.7	—	—	—	—	—	
808	Federal government hospitals	233.8	237.2	236.1	236.2	—	—	—	—	—	
—	<b>STATE AND LOCAL GOVERNMENT</b>	13,446	13,196	13,286	13,290	12,975	—	—	—	—	
—	State government	3,691.8	3,550.5	3,722.3	3,667.6	—	—	—	—	—	
808	State government hospitals	496.5	497.6	488.0	478.1	—	—	—	—	—	
82	State education	1,495.6	1,326.4	1,555.9	1,520.3	—	—	—	—	—	
—	General administration including executive, legislative, and judicial functions	1,085.6	1,100.0	1,071.6	1,075.1	—	—	—	—	—	
—	Local government	9,753.8	9,645.5	9,563.5	9,622.8	—	—	—	—	—	
—	Transportation and public utilities	529.2	530.8	531.6	532.1	—	—	—	—	—	
808	Local government hospitals	628.9	634.8	637.5	636.6	—	—	—	—	—	
82	Local education	5,502.2	5,274.1	5,328.2	5,354.6	—	—	—	—	—	
—	General administration including executive, legislative, and judicial functions	2,793.6	2,892.6	2,776.8	2,803.2	—	—	—	—	—	

<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 1982 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" under the Establishment Data section of the Explanatory Notes.

Data for March 1983

Industry	All employees	Production workers
Intercity highway transportation (SIC 413)	32.5	29.6
Federal Government:		
Executive, by agency	2,676.1	—
Department of Defense	943.8	—
Postal Service	659.4	—
Other executive agencies	1,072.9	—
Legislative	38.7	—
Judicial	16.0	—

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Mar. 1982	Apr. 1982	Feb. 1983	Mar. 1983	Apr. 1983
-	<b>TOTAL</b> .....	39,087	39,207	38,800	39,045	39,312
-	<b>PRIVATE SECTOR</b> .....	31,176	31,305	31,055	31,299	31,576
-	<b>MINING</b> .....	139	141	126	126	125
10	<b>METAL MINING</b> .....	7.7	7.4	5.6	5.6	5.6
11, 12	<b>COAL MINING</b> .....	12.1	12.0	11.2	11.2	10.9
13	<b>OIL AND GAS EXTRACTION</b> .....	110.4	111.9	100.5	100.3	99.5
131, 2	Crude petroleum, natural gas, and natural gas liquids.....	65.7	65.7	65.8	65.0	65.1
138	Oil and gas field services.....	44.7	46.2	34.7	34.5	34.4
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	9.2	9.4	8.3	8.5	8.5
142	Crushed and broken stone.....	2.6	2.7	2.6	2.7	2.7
144	Sand and gravel.....	2.9	3.0	2.7	2.8	2.8
-	<b>CONSTRUCTION</b> .....	369	377	369	372	376
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	119.7	119.8	119.0	121.7	122.6
152	Residential building construction.....	64.2	64.8	65.5	67.7	68.1
153	Operative builders.....	13.4	13.4	13.1	13.3	13.8
154	Nonresidential building construction.....	42.1	41.6	40.4	40.7	40.7
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	59.6	62.5	59.5	59.5	60.3
161	Highway and street construction.....	13.7	14.2	12.0	12.5	13.3
162	Heavy construction, except highway.....	45.9	48.3	47.5	47.0	47.0
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	189.4	195.1	190.1	191.1	193.0
171	Plumbing, heating, air conditioning.....	51.8	52.3	52.0	52.0	52.1
172	Painting, paper hanging, decorating.....	11.1	11.3	10.7	10.8	10.7
173	Electrical work.....	37.7	37.8	38.3	38.1	38.3
174	Masonry, stonework, and plastering.....	20.0	20.6	20.2	20.2	21.1
175	Carpentering and flooring.....	13.1	13.1	13.1	13.5	13.6
176	Roofing and sheet metal work.....	12.3	12.5	12.5	12.7	12.9
-	<b>MANUFACTURING</b> .....	6,084	6,040	5,809	5,841	5,886
24, 25, 32-38	<b>DURABLE GOODS</b> .....	2,907	2,885	2,718	2,740	2,766
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	3,177	3,155	3,091	3,101	3,120
	<b>DURABLE GOODS</b>					
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	89.2	89.6	90.9	93.0	95.5
241	Logging camps and logging contractors.....	5.1	5.3	5.8	5.5	5.6
242	Sawmills and planing mills.....	16.1	16.1	17.2	17.0	17.7
2421	Sawmills and planing mills, general.....	11.2	11.2	11.9	12.2	12.3
243	Millwork, plywood, and structural members.....	34.7	35.2	36.6	37.0	38.9
244	Wood containers.....	6.3	6.4	5.7	5.7	5.9
245	Wood buildings and mobile homes.....	7.4	7.4	7.1	7.5	8.0
249	Miscellaneous wood products.....	19.6	19.2	18.5	19.1	19.4
25	<b>FURNITURE AND FIXTURES</b> .....	132.6	131.5	129.4	131.0	133.1
261	Household furniture.....	91.6	91.0	88.7	90.2	91.8
2511	Wood household furniture.....	38.6	38.7	37.7	38.0	39.0
2512	Upholstered household furniture.....	29.6	29.1	29.4	30.1	30.6
2516	Mattresses and bedsprings.....	7.6	7.8	7.8	8.0	8.2
252	Office furniture.....	14.0	13.8	13.1	13.1	13.1
253	Public building and related furniture.....	5.1	5.1	4.6	4.6	4.6
254	Partitions and fixtures.....	10.2	10.1	10.0	10.0	10.4
259	Miscellaneous furniture and fixtures.....	11.7	11.5	13.0	13.1	13.2
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	117.2	115.7	105.5	106.5	108.7
322	Glass and glassware, pressed or blown.....	37.3	36.6	32.6	32.9	32.9
3221	Glass containers.....	20.9	20.9	18.4	18.6	18.3
3229	Pressed and blown glass, nec.....	16.4	15.7	14.2	14.3	14.6
323	Products of purchased glass.....	12.1	12.0	11.5	11.7	12.1
324	Cement, hydraulic.....	1.6	1.6	1.4	1.5	1.5
325	Structural clay products.....	5.5	5.3	5.5	5.3	5.5
326	Pottery and related products.....	13.9	13.7	12.8	12.9	13.7
327	Concrete, gypsum, and plaster products.....	14.6	14.6	14.2	14.1	14.4
329	Misc. nonmetallic mineral products.....	29.4	28.8	24.6	25.2	25.7
33	<b>PRIMARY METAL INDUSTRIES</b> .....	109.9	107.8	94.5	95.5	95.7
331	Blast furnace and basic steel products.....	34.3	32.9	25.3	26.0	25.7
3312	Blast furnaces and steel mills.....	25.0	23.7	17.9	18.6	18.3
332	Iron and steel foundries.....	16.6	16.2	12.5	12.6	12.7

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Mar. 1982	Apr. 1982	Feb. 1983	Mar. 1983	Apr. 1983
<b>PRIMARY METAL INDUSTRIES—Continued</b>						
3321	Gray iron foundries .....	7.4	7.1	5.8	5.8	5.8
3322	Malleable iron foundries .....	.9	.9	.8	.8	.8
3325	Steel foundries, nec .....	4.3	4.2	3.1	3.1	3.2
333	Primary nonferrous metals .....	4.2	4.2	3.4	3.3	3.3
3334	Primary aluminum .....	1.9	1.9	1.4	1.3	1.3
335	Nonferrous rolling and drawing .....	34.8	34.8	33.9	33.9	34.3
3351	Copper rolling and drawing .....	3.2	3.2	3.2	3.2	3.2
3353	Aluminum sheet, plate, and foil .....	3.2	3.1	3.0	3.1	3.2
3357	Nonferrous wire drawing and insulating .....	21.1	21.2	20.3	20.2	20.3
336	Nonferrous foundries .....	14.4	14.1	14.4	14.6	14.7
3361	Aluminum foundries .....	7.6	7.5	7.5	7.5	7.5
34	<b>FABRICATED METAL PRODUCTS</b> .....	<b>310.3</b>	<b>307.3</b>	<b>292.7</b>	<b>295.6</b>	<b>298.7</b>
341	Metal cans and shipping containers .....	11.2	11.3	10.4	10.4	10.5
3411	Metal cans .....	9.5	9.5	8.6	8.6	8.7
342	Cutlery, hand tools, and hardware .....	49.0	48.5	46.6	46.9	47.0
3423, 5	Hand and edge tools, and hand saws and blades .....	15.0	14.6	13.4	13.4	13.2
3429	Hardware, nec .....	28.0	28.1	27.8	28.0	28.3
343	Plumbing and heating, except electric .....	15.3	15.3	15.7	15.8	16.0
344	Fabricated structural metal products .....	66.5	66.3	62.8	62.9	63.5
3441	Fabricated structural metal .....	7.6	7.5	6.5	6.4	6.3
3442	Metal doors, sash, and trim .....	17.9	18.2	19.4	20.0	20.5
3443	Fabricated plate work (boiler shops) .....	18.1	17.6	14.9	14.7	14.4
3444	Sheet metal work .....	14.3	14.5	13.9	13.8	14.1
345	Screw machine products, bolts, etc. ....	21.3	21.0	18.8	19.1	19.2
3451	Screw machine products .....	10.6	10.4	9.2	9.5	9.6
3452	Bolts, nuts, rivets, and washers .....	10.7	10.6	9.6	9.6	9.6
346	Metal forgings and stampings .....	47.4	47.2	44.4	45.3	46.4
3462	Iron and steel forgings .....	4.1	3.9	3.1	3.1	3.2
3465	Automotive stampings .....	10.8	11.6	11.3	11.5	12.0
3469	Metal stampings, nec .....	30.0	29.4	27.9	28.5	29.1
347	Metal services, nec .....	23.1	22.8	22.0	22.6	22.9
3471	Plating and polishing .....	17.1	17.0	16.6	16.9	17.1
3479	Metal coating and allied services .....	6.0	5.8	5.4	5.7	5.8
348	Ordinance and accessories, nec .....	18.4	18.2	18.7	18.9	19.0
349	Misc. fabricated metal products .....	58.1	56.7	53.3	53.7	54.2
3494	Valves and pipe fittings .....	22.0	21.5	19.3	19.4	19.4
3496	Misc. fabricated wire products .....	13.8	13.7	13.3	13.2	13.3
35	<b>MACHINERY, EXCEPT ELECTRICAL</b> .....	<b>501.5</b>	<b>496.7</b>	<b>446.6</b>	<b>446.0</b>	<b>447.0</b>
351	Engines and turbines .....	23.2	21.3	18.4	18.0	17.9
3511	Turbines and turbine generator sets .....	6.3	6.3	5.7	5.6	5.5
3519	Internal combustion engines, nec .....	16.9	15.0	12.7	12.4	12.4
352	Farm and garden machinery .....	23.5	25.1	21.7	21.3	21.1
3523	Farm machinery and equipment .....	17.7	18.9	15.8	15.4	15.5
353	Construction and related machinery .....	53.7	52.6	35.8	35.5	35.1
3531	Construction machinery .....	14.2	13.7	8.2	8.3	8.2
3533	Oil field machinery .....	21.1	20.7	13.4	13.1	12.8
354	Metalworking machinery .....	52.6	51.8	45.3	45.3	45.2
3541	Machine tools, metal cutting types .....	9.8	9.5	7.0	7.0	6.9
3544	Special dies, tools, jigs, and fixtures .....	14.5	14.5	14.0	14.0	14.0
3545	Machine tool accessories .....	12.6	12.2	10.3	10.4	10.3
355	Special industry machinery .....	27.8	27.4	24.8	24.8	24.7
3551	Food products machinery .....	5.3	5.2	4.7	4.7	4.8
3552	Textile machinery .....	4.7	4.4	3.8	3.8	3.7
3555	Printing trades machinery .....	6.5	6.5	6.7	6.6	6.6
356	General industrial machinery .....	61.7	60.4	49.7	49.9	50.0
3561	Pumps and pumping equipment .....	11.5	11.2	9.5	9.5	9.4
3562	Ball and roller bearings .....	13.3	13.2	10.4	10.4	10.6
357	Office and computing machines .....	176.4	176.3	177.7	177.2	178.3
3573	Electronic computing equipment .....	150.9	151.0	153.1	152.8	153.7
358	Refrigeration and service machinery .....	36.5	35.8	32.9	33.1	33.8
3585	Refrigeration and heating equipment .....	24.9	24.4	22.1	22.4	22.7
359	Misc. machinery, except electrical .....	46.1	46.0	40.3	40.9	40.9
3599	Machinery, except electrical, nec .....	37.2	36.9	32.9	33.0	32.7
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b> .....	<b>866.9</b>	<b>863.5</b>	<b>821.4</b>	<b>829.0</b>	<b>836.3</b>
361	Electric distributing equipment .....	45.2	44.7	40.7	40.7	41.6
3612	Transformers .....	18.8	18.4	16.6	16.3	16.8
3613	Switchgear and switchboard apparatus .....	26.4	26.3	24.1	24.4	24.8
362	Electrical industrial apparatus .....	81.6	79.4	69.3	69.6	69.6
3621	Motors and generators .....	42.1	41.0	36.9	37.3	37.7
3622	Industrial controls .....	27.7	27.1	22.8	22.4	22.1
363	Household appliances .....	50.1	51.3	48.1	48.4	49.2
3632	Household refrigerators and freezers .....	7.1	7.3	5.6	5.0	5.6
3633	Household laundry equipment .....	3.7	3.5	4.3	4.3	4.5
3634	Electric housewares and fans .....	23.9	24.1	22.6	23.5	22.9
364	Electric lighting and wiring equipment .....	86.9	86.3	78.6	80.2	81.3
3641	Electric lamps .....	19.8	19.7	15.2	15.4	15.5



**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Mar. 1982	Apr. 1982	Feb. 1983	Mar. 1983	Apr. 1983
<b>ELECTRIC AND ELECTRONIC EQUIPMENT—Continued</b>						
3643	Current-carrying wiring devices .....	38.1	37.9	35.8	36.5	36.7
365	Radio and TV receiving equipment .....	49.2	48.6	44.7	45.7	46.0
3651	Radio and TV receiving sets .....	36.5	36.4	33.8	34.3	34.4
366	Communication equipment .....	219.0	217.6	212.4	212.1	211.8
3661	Telephone and telegraph apparatus .....	74.5	73.6	66.9	66.1	65.6
3662	Radio and TV communication equipment .....	144.5	144.0	145.5	146.0	146.2
367	Electronic components and accessories .....	281.9	281.7	274.0	278.7	282.8
3671-3	Electronic tubes .....	15.3	15.4	16.3	16.3	16.5
3674	Semiconductors and related devices .....	102.3	102.3	102.8	104.7	106.8
3679	Electronic components, nec .....	116.8	116.8	113.1	115.4	116.8
369	Misc. electrical equipment and supplies .....	53.0	53.9	53.6	53.6	54.0
3694	Engine electrical equipment .....	22.1	22.9	22.7	22.6	23.2
37	<b>TRANSPORTATION EQUIPMENT .....</b>	<b>292.7</b>	<b>289.0</b>	<b>282.6</b>	<b>286.0</b>	<b>290.2</b>
371	Motor vehicles and equipment .....	101.6	100.2	97.8	100.8	104.1
3711	Motor vehicles and car bodies .....	36.8	34.4	36.0	37.4	39.2
3713	Truck and bus bodies .....	3.3	3.3	2.6	2.8	3.0
3714	Motor vehicle parts and accessories .....	58.2	59.0	55.7	57.0	58.0
372	Aircraft and parts .....	119.6	117.4	112.5	112.2	112.0
3721	Aircraft .....	66.3	65.0	62.0	62.0	62.0
3724	Aircraft engines and engine parts .....	26.5	25.7	24.7	24.5	24.4
3728	Aircraft equipment, nec .....	26.8	26.7	25.8	25.7	25.6
373	Ship and boat building and repairing .....	24.0	23.8	23.2	23.4	23.7
3731	Ship building and repairing .....	17.8	17.6	17.3	17.3	16.9
374	Railroad equipment .....	4.4	4.2	3.3	3.2	3.2
376	Guided missiles, space vehicles, parts .....	29.7	29.9	32.4	32.6	32.9
3761	Guided missiles and space vehicles .....	24.2	24.4	26.5	26.7	26.9
379	Miscellaneous transportation equipment .....	7.1	7.4	8.4	8.7	9.0
38	<b>INSTRUMENTS AND RELATED PRODUCTS .....</b>	<b>307.1</b>	<b>306.8</b>	<b>289.9</b>	<b>289.0</b>	<b>289.8</b>
381	Engineering and scientific instruments .....	26.1	26.0	24.4	24.1	24.2
382	Measuring and controlling devices .....	107.0	106.4	99.7	100.0	100.2
3822	Environmental controls .....	21.1	21.0	20.8	21.1	21.3
3823	Process control instruments .....	20.6	20.6	18.1	17.8	17.6
3825	Instruments to measure electricity .....	47.9	47.6	45.3	45.5	45.8
383	Optical instruments and lenses .....	11.8	11.9	11.1	11.0	10.9
384	Medical instruments and supplies .....	87.2	87.3	85.3	85.6	85.2
3841	Surgical and medical instruments .....	42.0	42.2	41.6	41.9	42.1
3842	Surgical appliances and supplies .....	37.4	37.4	36.8	36.8	36.3
385	Ophthalmic goods .....	23.5	23.5	21.5	21.8	22.1
386	Photographic equipment and supplies .....	40.7	40.9	37.6	36.7	36.6
387	Watches, clocks, and watchcases .....	10.8	10.8	10.3	10.6	10.6
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES .....</b>	<b>179.7</b>	<b>177.4</b>	<b>164.1</b>	<b>167.5</b>	<b>171.0</b>
391	Jewelry, silverware, and plated ware .....	24.6	24.6	24.8	25.0	25.2
393	Musical instruments .....	9.3	9.0	8.6	8.0	8.5
394	Toys and sporting goods .....	58.4	58.0	50.8	53.0	55.3
3942, 4	Dolls, games, toys, and children's vehicles .....	30.9	31.5	26.4	28.4	30.6
3949	Sporting and athletic goods, nec .....	27.5	26.5	24.4	24.6	24.7
395	Pens, pencils, office and art supplies .....	17.7	17.4	15.2	15.7	15.9
396	Costume jewelry and notions .....	22.6	21.8	20.5	21.0	21.1
399	Miscellaneous manufactures .....	47.1	46.6	44.2	44.2	45.0
<b>NONDURABLE GOODS</b>						
20	<b>FOOD AND KINDRED PRODUCTS .....</b>	<b>469.1</b>	<b>459.2</b>	<b>468.7</b>	<b>468.7</b>	<b>470.8</b>
201	Meat products .....	112.9	112.5	110.8	111.4	112.5
2011	Meat packing plants .....	27.0	26.7	25.6	26.0	26.0
2013	Sausages and other prepared meats .....	21.2	21.1	21.2	21.1	20.9
2016	Poultry dressing plants .....	57.3	57.3	56.7	56.9	58.1
202	Dairy products .....	35.1	35.3	34.2	34.6	34.6
2028	Fluid milk .....	15.8	15.9	15.1	15.0	15.0
203	Preserved fruits and vegetables .....	84.7	82.2	82.8	82.7	84.6
2032	Canned specialties .....	8.0	7.7	8.3	7.6	7.8
2033	Canned fruits and vegetables .....	23.6	22.9	22.3	21.6	23.0
2037	Frozen fruits and vegetables .....	20.1	18.4	19.3	19.4	19.4
204	Grain mill products .....	28.3	27.9	28.8	28.7	28.6
206	Bakery products .....	57.7	57.8	58.5	58.6	58.6
2051	Bread, cake, and related products .....	37.7	38.2	38.1	38.0	38.2
2052	Cookies and crackers .....	20.0	19.6	20.4	20.6	20.4
206	Sugar and confectionery products .....	39.1	35.7	44.9	42.7	40.9
207	Fats and oils .....	5.4	5.3	5.1	5.1	5.1
208	Beverages .....	42.3	42.8	40.8	41.2	41.5
2082	Malt beverages .....	8.6	8.6	7.7	7.8	8.0
2086	Bottled and canned soft drinks .....	18.6	18.7	18.7	18.6	18.6
209	Misc. foods and kindred products .....	63.6	59.7	62.8	63.7	64.4
21	<b>TOBACCO MANUFACTURES .....</b>	<b>23.2</b>	<b>21.7</b>	<b>23.3</b>	<b>21.4</b>	<b>20.7</b>
211	Cigarettes .....	14.6	14.4	13.6	13.3	13.1

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Mar. 1982	Apr. 1982	Feb. 1983	Mar. 1983	Apr. 1983
22	<b>TEXTILE MILL PRODUCTS</b>	361.0	366.9	342.5	344.9	348.5
221	Weaving mills, cotton	58.2	58.8	53.2	53.3	53.2
222	Weaving mills, synthetics	40.7	42.2	36.2	36.4	36.3
223	Weaving and finishing mills, wool	7.1	7.0	6.4	6.5	6.6
224	Narrow fabric mills	13.6	13.8	12.4	12.5	12.7
225	Knitting mills	128.6	130.4	126.4	127.4	129.7
2251	Women's hosiery, except socks	24.7	23.6	24.8	25.0	25.4
2252	Hosiery, nec	22.9	22.2	21.7	22.3	22.5
2253	Knit outerwear mills	42.9	45.7	41.1	41.7	42.8
2254	Knit underwear mills	20.6	20.8	22.4	21.9	22.2
2257	Circular knit fabric mills	10.1	10.5	9.9	9.9	10.0
226	Textile finishing, except wool	20.4	20.3	19.2	19.1	19.2
2261	Finishing plants, cotton	9.5	9.2	9.0	8.8	8.8
2262	Finishing plants, synthetic	5.4	5.4	4.8	4.8	4.7
227	Floor covering mills	20.1	20.5	19.9	20.0	20.6
228	Yarn and thread mills	54.1	56.1	52.8	53.4	53.9
2281	Yarn mills, except wool	34.8	36.0	34.7	34.9	35.3
2282	Throwing and winding mills	10.1	10.1	9.5	9.6	9.7
229	Miscellaneous textile goods	18.2	17.8	16.0	16.3	16.3
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	961.2	945.9	927.5	927.1	929.8
231	Men's and boys' suits and coats	59.1	58.5	54.9	51.3	52.2
232	Men's and boys' furnishings	276.1	273.2	267.8	267.3	271.5
2321	Men's and boys' shirts and nightwear	80.8	81.4	76.9	77.0	78.5
2327	Men's and boys' separate trousers	56.6	55.4	55.0	54.5	55.0
2328	Men's and boys' work clothing	76.3	74.9	75.8	75.5	77.8
233	Women's and misses' outerwear	342.5	332.3	328.7	331.8	327.3
2331	Women's and misses' blouses and waists	55.3	54.9	55.1	56.4	54.7
2335	Women's and misses' dresses	119.8	117.4	110.1	112.7	110.9
2337	Women's and misses' suits and coats	45.0	40.8	44.7	43.5	44.3
2339	Women's and misses' outerwear, nec	122.4	119.2	118.8	119.2	117.4
234	Women's and children's undergarments	73.7	73.6	69.7	69.8	70.3
2341	Women's and children's underwear	60.1	60.3	58.0	58.1	58.7
2342	Brassieres and allied garments	13.6	13.3	11.7	11.7	11.6
236	Children's outerwear	54.5	53.3	53.6	52.2	52.0
2361	Children's dresses and blouses	23.9	23.0	23.7	23.0	22.6
238	Misc. apparel and accessories	38.9	38.8	35.1	35.9	35.3
239	Misc. fabricated textile products	102.7	102.7	104.7	106.0	107.9
2391	Curtains and draperies	17.8	17.4	16.6	17.2	17.7
2392	House furnishings, nec	29.5	30.2	31.5	31.8	32.6
2396	Automotive and apparel trimmings	14.6	14.5	16.3	16.7	17.2
26	<b>PAPER AND ALLIED PRODUCTS</b>	154.5	154.0	147.3	148.9	150.9
261, 26	Paper and pulp mills	26.9	26.9	25.9	26.0	26.1
262	Paper mills, except building paper	24.4	24.4	23.4	23.5	23.6
263	Paperboard mills	5.7	5.7	5.2	5.2	5.3
264	Misc. converted paper products	77.3	76.9	74.2	75.3	76.2
265	Paperboard containers and boxes	44.6	44.5	42.0	42.4	43.3
27	<b>PRINTING AND PUBLISHING</b>	517.9	516.5	513.5	516.8	519.4
271	Newspapers	162.3	162.0	161.8	162.6	163.4
272	Periodicals	57.9	57.5	58.6	58.6	58.5
273	Books	56.0	56.1	53.5	53.8	53.6
274	Miscellaneous publishing	28.0	28.0	29.8	29.8	30.2
275	Commercial printing	138.2	137.5	134.2	136.5	138.2
2751	Commercial printing, letterpress	52.3	52.0	48.8	50.1	51.1
2752	Commercial printing, lithographic	79.2	78.8	79.2	80.1	80.7
276	Manifold business forms	15.6	15.2	15.8	15.7	15.6
278	Blankbooks and bookbinding	33.3	33.0	32.2	32.2	32.4
279	Printing trade services	12.6	12.9	13.9	14.0	14.2
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	283.7	281.9	273.2	275.1	274.9
281	Industrial inorganic chemicals	25.1	25.2	24.9	25.1	24.9
2819	Industrial inorganic chemicals, nec	16.9	16.9	16.8	16.8	16.9
282	Plastics materials and synthetics	42.4	42.3	35.8	36.5	36.9
2821	Plastics materials and resins	11.4	11.3	10.4	10.8	11.0
2824	Organic fibers, noncellulosic	22.4	22.4	18.7	18.6	18.7
283	Drugs	85.8	85.5	86.1	86.2	86.4
2834	Pharmaceutical preparations	72.0	71.7	71.9	71.8	71.9
284	Soap, cleaners, and toilet goods	59.3	58.0	59.9	60.8	60.4
2841	Soap and other detergents	9.7	9.4	9.9	10.0	9.8
2844	Toilet preparations	37.2	36.6	37.5	38.4	38.0
285	Paints and allied products	11.7	11.7	11.6	11.5	11.7
286	Industrial organic chemicals	27.9	27.6	25.9	25.9	25.2
2861,9	Gum, wood, and industrial organic chemicals, nec	23.5	23.3	21.7	21.7	21.1
287	Agricultural chemicals	10.5	10.4	9.2	9.2	9.3
289	Miscellaneous chemical products	21.0	21.2	19.8	19.9	20.1

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Mar. 1982	Apr. 1982	Feb. 1983	Mar. 1983	Apr. 1983
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	31.0	30.9	30.5	30.2	30.1
291	Petroleum refining .....	26.0	26.0	25.8	25.4	25.4
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b> .....	242.8	243.8	239.1	241.9	247.9
301	Tires and inner tubes .....	9.2	9.6	8.6	8.4	8.4
302	Rubber and plastics footwear .....	11.6	11.7	10.2	10.5	11.1
303,4	Reclaimed rubber, and rubber and plastics hose and belting .....	5.5	5.6	5.2	5.2	5.2
306	Fabricated rubber products, nec .....	34.3	34.5	33.0	33.7	34.0
307	Miscellaneous plastics products .....	182.2	182.4	182.1	184.1	189.2
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	132.5	133.8	125.1	126.3	126.9
311	Leather tanning and finishing .....	2.8	2.8	2.6	2.6	2.7
314	Footwear, except rubber .....	90.3	91.1	86.8	86.8	87.1
3143	Men's footwear, except athletic .....	35.5	34.9	31.5	31.4	31.3
3144	Women's footwear, except athletic .....	34.3	35.7	36.1	35.8	36.2
316	Luggage .....	7.8	7.7	6.8	7.2	7.4
317	Handbags and personal leather goods .....	18.9	19.1	16.3	17.2	17.1
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	1,333	1,334	1,319	1,321	1,325
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b> .....	74.7	71.7	77.8	78.8	78.4
411	Local and suburban transportation .....	16.6	16.7	16.8	17.4	17.5
412	Taxis .....	6.4	6.4	5.9	6.0	5.8
413	Intercity highway transportation .....	4.8	4.8	3.9	3.9	4.0
415	School buses .....	43.5	40.3	47.3	47.5	47.0
42	<b>TRUCKING AND WAREHOUSING</b> .....	153.1	152.1	148.9	149.1	149.3
421,3	Trucking and trucking terminals .....	136.1	135.7	132.3	132.5	133.0
422	Public warehousing .....	17.0	16.4	16.6	16.6	16.3
44	<b>WATER TRANSPORTATION</b> .....	25.8	26.0	23.6	24.4	24.4
45	<b>TRANSPORTATION BY AIR</b> .....	144.6	145.9	145.6	147.5	140.8
451,2	Air transportation .....	135.4	136.5	135.7	137.4	138.8
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b> .....	3.4	3.3	2.8	2.8	2.8
47	<b>TRANSPORTATION SERVICES</b> .....	107.4	108.4	112.8	113.3	116.4
48	<b>COMMUNICATION</b> .....	631.6	633.2	613.9	611.1	610.0
481	Telephone communication .....	525.8	526.2	494.3	490.8	488.0
483	Radio and television broadcasting .....	72.2	72.5	78.2	77.9	78.0
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b> .....	169.1	169.8	173.9	174.5	174.7
491	Electric services .....	81.0	81.3	85.1	85.6	85.9
492	Gas production and distribution .....	38.9	39.2	38.6	38.7	38.5
493	Combination utility services .....	37.2	37.4	37.6	37.4	37.5
495	Sanitary services .....	6.5	6.4	7.1	7.2	7.3
-	<b>WHOLESALE AND RETAIL TRADE</b> .....	8,813	8,917	8,820	8,867	8,971
50,51	<b>WHOLESALE TRADE</b> .....	1,398	1,395	1,363	1,367	1,370
50	<b>WHOLESALE TRADE-DURABLE GOODS</b> .....	773	771	746	749	752
501	Motor vehicles and automotive equipment .....	87.6	88.4	86.0	86.1	86.2
502	Furniture and home furnishings .....	44.7	44.2	44.6	45.1	46.0
503	Lumber and construction materials .....	36.3	35.9	37.0	37.2	37.1
504	Sporting goods, toys, and hobby goods .....	24.1	24.2	24.4	24.7	25.1
505	Metals and minerals, except petroleum .....	29.2	28.6	25.0	24.7	24.7
506	Electrical goods .....	128.2	128.2	124.9	125.3	126.1
507	Hardware, plumbing, and heating equipment .....	64.9	64.5	63.2	63.3	63.1
508	Machinery, equipment, and supplies .....	312.0	312.1	298.7	299.8	300.4
509	Miscellaneous durable goods .....	45.5	45.3	42.3	42.3	42.8
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> .....	625	624	617	618	618
511	Paper and paper products .....	50.0	50.4	51.7	51.8	51.6
512	Drugs, proprietaries, and sundries .....	67.0	67.4	68.3	66.3	68.1
513	Apparel, piece goods, and notions .....	82.4	83.7	81.3	81.9	81.8
514	Groceries and related products .....	151.7	153.4	146.1	143.2	146.7
516	Chemicals and allied products .....	36.9	36.9	38.7	39.0	38.4
517	Petroleum and petroleum products .....	53.0	52.9	50.1	50.2	50.3
518	Beer, wine, and distilled beverages .....	21.9	21.9	21.7	21.7	21.6
519	Miscellaneous nondurable goods .....	121.6	121.3	120.5	121.6	122.0

# ESTABLISHMENT DATA WOMEN EMPLOYEES

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

[In thousands]

1972 SIC Code	Industry	Mar. 1982	Apr. 1982	Feb. 1983	Mar. 1983	Apr. 1983
52-59	<b>RETAIL TRADE</b> .....	7,415	7,522	7,457	7,500	7,601
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	154.7	158.1	154.0	156.9	160.8
521	Lumber and other building materials .....	60.0	60.5	61.5	63.0	63.9
525	Hardware stores .....	54.2	54.8	54.6	55.1	55.7
53	<b>GENERAL MERCHANDISE STORES</b> .....	1,423.3	1,429.9	1,442.1	1,430.3	1,436.3
531	Department stores .....	1,178.8	1,182.0	1,218.7	1,207.2	1,211.3
533	Variety stores .....	171.2	173.6	153.3	153.0	155.0
539	Misc. general merchandise stores .....	73.3	74.3	70.1	70.1	70.0
54	<b>FOOD STORES</b> .....	1,046.5	1,057.1	1,085.7	1,085.1	1,086.5
541	Grocery stores .....	877.4	885.3	911.9	910.3	911.3
542	Meat markets and freezer provisioners .....	16.4	17.3	17.6	17.6	17.7
546	Retail bakeries .....	82.8	82.2	83.8	85.1	85.9
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	305.9	307.3	305.6	307.3	310.7
551,2	New and used car dealers .....	107.5	108.0	107.8	108.9	109.4
553	Auto and home supply stores .....	46.4	47.1	46.8	47.6	48.2
554	Gasoline service stations .....	137.7	138.0	137.6	136.9	138.0
56	<b>APPAREL AND ACCESSORY STORES</b> .....	641.6	647.4	638.8	646.5	652.1
561	Men's and boys' clothing and furnishings .....	51.6	52.3	52.2	51.7	51.9
562	Women's ready-to-wear stores .....	298.2	298.6	294.7	301.1	303.5
565	Family clothing stores .....	130.3	130.4	128.5	127.7	126.9
566	Shoe stores .....	80.4	85.6	81.7	83.6	87.1
57	<b>FURNITURE AND HOME FURNISHING STORES</b> .....	199.0	198.2	205.9	205.6	205.5
571	Furniture and home furnishings stores .....	128.6	129.0	127.4	127.8	128.8
572	Household appliance stores .....	22.1	21.7	26.0	25.8	25.2
573	Radio, television, and music stores .....	48.3	47.5	52.5	52.0	51.5
58	<b>EATING AND DRINKING PLACES</b> .....	2,601.1	2,678.6	2,573.7	2,619.4	2,700.7
59	<b>MISCELLANEOUS RETAIL</b> .....	1,042.4	1,044.9	1,051.6	1,048.9	1,048.0
591	Drug stores and proprietary stores .....	311.5	310.9	306.9	307.4	307.5
592	Liquor stores .....	34.4	34.0	34.9	33.9	34.0
594	Miscellaneous shopping goods stores .....	364.8	366.8	376.9	378.5	378.0
596	Nonstore retailers .....	155.4	153.5	151.7	153.2	150.4
598	Fuel and ice dealers .....	24.3	23.9	24.1	24.0	23.5
599	Retail stores, nec .....	131.4	135.1	134.8	129.5	131.5
-	<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,183	3,184	3,208	3,224	3,244
60	<b>BANKING</b> .....	1,167.8	1,168.6	1,173.0	1,174.9	1,175.9
602	Commercial and stock savings banks .....	1,072.7	1,073.3	1,075.1	1,076.4	1,077.2
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	401.5	401.2	414.7	418.5	422.2
612	Savings and loan associations .....	199.4	199.8	215.2	217.7	220.4
614	Personal credit institutions .....	130.4	129.6	122.5	123.3	123.2
62	<b>SECURITY, COMMODITY BROKERS, AND SERVICES</b> .....	117.6	117.8	126.4	129.1	130.6
621	Security brokers and dealers .....	95.9	96.0	102.2	104.6	105.6
63	<b>INSURANCE CARRIERS</b> .....	754.4	753.5	738.3	739.6	743.1
631	Life insurance .....	304.5	304.1	298.4	299.2	299.1
632	Medical service and health insurance .....	102.9	102.6	103.0	103.3	103.4
633	Fire, marine, and casualty insurance .....	300.2	299.6	290.2	289.5	291.4
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b> .....	299.0	299.4	302.1	303.2	304.1
65	<b>REAL ESTATE</b> .....	362.3	361.9	372.9	377.5	386.3
651	Real estate operators and lessors .....	151.9	154.5	161.7	163.6	170.0
653	Real estate agents and managers .....	164.0	161.4	166.0	168.5	169.7
655	Subdividers and developers .....	32.9	32.6	31.7	31.8	32.4
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC.</b> .....	11.0	11.0	10.2	10.3	10.5
67	<b>HOLDING AND OTHER INVESTMENT OFFICES</b> .....	69.1	70.3	70.6	70.8	71.3
-	<b>SERVICES</b> .....	11,255	11,312	11,444	11,548	11,649
70	<b>HOTELS AND OTHER LODGING PLACES</b> .....	588.5	605.5	559.9	576.0	600.7
701	Hotels, motels, and tourist courts .....	572.3	589.0	544.8	560.2	584.1

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Mar. 1982	Apr. 1982	Feb. 1983	Mar. 1983	Apr. 1983
72	<b>PERSONAL SERVICES</b> .....	661.4	663.3	668.9	671.9	672.3
721	Laundry, cleaning, and garment services .....	218.1	218.8	213.6	215.3	215.9
723	Beauty shops .....	252.3	255.3	259.5	261.9	262.2
726	Funeral service and crematories .....	19.7	19.8	21.5	21.5	21.6
73	<b>BUSINESS SERVICES</b> .....	1,441.9	1,433.8	1,467.9	1,497.1	1,522.6
731	Advertising .....	77.9	78.3	82.8	83.1	83.6
732	Credit reporting and collection .....	52.0	52.5	53.6	54.4	55.0
733	Mailing, reproduction, stenographic .....	66.5	67.7	66.2	67.7	67.4
734	Services to buildings .....	199.6	198.0	198.5	200.3	199.5
736	Personnel supply services .....	366.9	358.5	367.3	386.1	408.5
737	Computer and data processing services .....	172.9	173.7	185.2	186.4	188.1
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	97.3	98.2	100.7	101.7	102.2
753	Automotive repair shops .....	47.0	48.7	49.7	50.2	50.7
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	57.2	56.8	54.2	54.2	53.9
78	<b>MOTION PICTURES</b> .....	78.2	80.2	77.5	79.0	81.0
781	Motion picture production and services .....	27.8	26.5	27.5	28.1	28.2
783	Motion picture theaters .....	44.1	47.5	44.1	45.0	47.0
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	289.7	311.9	286.7	297.1	325.8
80	<b>HEALTH SERVICES</b> .....	4,662.7	4,678.6	4,786.5	4,808.8	4,819.0
801	Offices of physicians .....	631.5	639.2	654.0	660.3	666.2
802	Offices of dentists .....	321.7	323.3	336.5	341.0	343.0
805	Nursing and personal care facilities .....	928.4	930.7	953.8	959.5	960.9
806	Hospitals .....	2,420.9	2,421.7	2,442.6	2,444.0	2,440.2
81	<b>LEGAL SERVICES</b> .....	388.7	389.2	411.1	414.1	416.2
82	<b>EDUCATIONAL SERVICES</b> .....	689.0	686.9	693.5	658.2	692.7
821	Elementary and secondary schools .....	214.2	214.6	221.6	222.2	222.2
822	Colleges and universities .....	406.4	403.4	401.3	404.7	399.1
83	<b>SOCIAL SERVICES</b> .....	863.0	866.5	897.9	907.9	917.5
89	<b>MISCELLANEOUS SERVICES</b> .....	365.8	363.5	366.3	369.3	368.4
891	Engineering and architectural services .....	127.9	128.2	125.1	126.0	126.1
893	Accounting, auditing, and bookkeeping .....	179.5	177.7	185.7	187.4	186.5
-	<b>GOVERNMENT</b> .....	7,911	7,902	7,705	7,746	7,736
-	<b>FEDERAL GOVERNMENT</b> .....	874	878	887	899	914
-	<b>STATE AND LOCAL GOVERNMENT</b> .....	7,037	7,024	6,818	6,847	6,822
-	State government .....	1,711.4	1,705.9	1,624.2	1,624.3	1,614.7
-	Hospitals .....	310.7	309.7	305.4	305.0	303.8
-	State education .....	728.5	727.0	719.3	717.9	710.0
-	General administration including executive, legislative, and judicial functions .....	456.1	455.0	391.7	392.9	392.1
-	Local government .....	5,326.0	5,318.2	5,193.5	5,222.4	5,207.4
-	Transportation and public utilities .....	87.7	87.9	89.1	89.0	89.2
-	Hospitals .....	512.4	512.8	517.9	517.6	517.4
-	Local education .....	3,586.9	3,574.4	3,471.0	3,492.1	3,473.9
-	General administration including executive, legislative, and judicial functions .....	955.4	958.2	940.0	945.4	946.3

# 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	1982							1983					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May P	June P
<b>TOTAL<sup>1</sup></b> .....	89,775	89,450	89,264	89,235	88,938	88,785	88,665	88,885	88,746	88,814	89,101	89,416	89,760
<b>GOODS-PRODUCING</b> .....	24,001	23,843	23,672	23,530	23,287	23,131	23,061	23,186	23,049	23,030	23,159	23,347	23,514
<b>MINING</b> .....	1,150	1,125	1,113	1,100	1,082	1,066	1,053	1,037	1,014	1,000	997	998	1,008
<b>CONSTRUCTION</b> .....	3,933	3,916	3,893	3,875	3,847	3,843	3,815	3,905	3,790	3,757	3,786	3,863	3,946
<b>MANUFACTURING</b> .....	18,918	18,802	18,666	18,555	18,358	18,222	18,193	18,244	18,245	18,267	18,376	18,486	18,560
<b>DURABLE GOODS</b> .....	11,169	11,095	10,961	10,862	10,685	10,577	10,559	10,594	10,608	10,617	10,689	10,783	10,830
Lumber and wood products .....	601	600	601	603	605	608	614	625	631	638	651	661	679
Furniture and fixtures .....	433	430	433	428	426	427	429	430	427	433	440	444	448
Stone, clay, and glass products .....	580	576	573	570	565	559	554	557	557	559	565	569	575
Primary metal industries .....	929	909	890	869	840	823	816	817	810	816	820	827	832
Fabricated metal products .....	1,442	1,432	1,416	1,402	1,378	1,362	1,359	1,364	1,364	1,362	1,369	1,379	1,385
Machinery, except electrical .....	2,298	2,250	2,213	2,184	2,122	2,088	2,066	2,048	2,042	2,030	2,031	2,064	2,061
Electric and electronic equipment .....	2,025	2,016	2,008	1,992	1,976	1,975	1,957	1,974	1,981	1,988	1,999	2,010	2,017
Transportation equipment .....	1,756	1,770	1,733	1,724	1,691	1,661	1,696	1,710	1,729	1,723	1,743	1,758	1,761
Instruments and related products .....	720	717	712	710	705	700	695	695	693	691	690	689	689
Miscellaneous manufacturing ind. ....	385	387	382	380	377	374	373	374	374	377	381	382	383
<b>NONDURABLE GOODS</b> .....	7,749	7,707	7,705	7,693	7,673	7,645	7,634	7,650	7,637	7,650	7,687	7,703	7,730
Food and kindred products .....	1,635	1,639	1,636	1,633	1,636	1,632	1,626	1,626	1,620	1,619	1,633	1,630	1,637
Tobacco manufactures .....	66	67	67	66	66	63	69	69	67	67	66	66	65
Textile mill products .....	744	741	736	734	733	727	727	726	726	730	733	736	745
Apparel and other textile products .....	1,167	1,141	1,151	1,149	1,148	1,141	1,140	1,150	1,148	1,143	1,149	1,153	1,160
Paper and allied products .....	661	660	657	659	653	654	653	653	652	652	654	656	657
Printing and publishing .....	1,208	1,200	1,267	1,266	1,265	1,263	1,263	1,266	1,264	1,269	1,274	1,276	1,276
Chemicals and allied products .....	1,079	1,073	1,074	1,070	1,066	1,064	1,059	1,057	1,056	1,056	1,058	1,058	1,056
Petroleum and coal products .....	200	200	200	202	201	200	199	200	199	199	199	198	198
Rubber and misc. plastic products .....	705	700	698	696	689	685	685	688	691	699	707	716	721
Leather and leather products .....	222	220	219	218	216	216	213	215	214	216	214	214	215
<b>SERVICE-PRODUCING<sup>1</sup></b> .....	65,774	65,607	65,592	65,705	65,651	65,654	65,604	65,699	65,697	65,784	65,942	66,069	66,246
<b>TRANSPORTATION AND PUBLIC UTILITIES<sup>1</sup></b> .....	5,099	5,075	5,056	5,054	5,033	5,019	5,008	4,979	4,966	4,963	4,988	4,991	4,997
<b>WHOLESALE AND RETAIL TRADE</b> .....	20,454	20,438	20,410	20,380	20,344	20,320	20,256	20,355	20,343	20,350	20,329	20,354	20,457
<b>WHOLESALE TRADE</b> .....	5,293	5,279	5,265	5,252	5,237	5,212	5,192	5,185	5,181	5,176	5,180	5,196	5,205
<b>RETAIL TRADE</b> .....	15,161	15,159	15,145	15,128	15,107	15,108	15,064	15,170	15,162	15,174	15,149	15,158	15,252
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	5,339	5,342	5,344	5,351	5,350	5,356	5,367	5,374	5,384	5,391	5,423	5,431	5,451
<b>SERVICES</b> .....	19,046	19,083	19,097	19,136	19,144	19,187	19,215	19,238	19,262	19,350	19,478	19,565	19,711
<b>GOVERNMENT</b> .....	15,836	15,669	15,685	15,784	15,780	15,772	15,758	15,753	15,742	15,724	15,724	15,728	15,630
<b>FEDERAL</b> .....	2,738	2,737	2,739	2,735	2,742	2,746	2,747	2,748	2,742	2,742	2,749	2,749	2,745
<b>STATE AND LOCAL</b> .....	13,098	12,932	12,946	13,049	13,038	13,026	13,011	13,005	13,000	12,982	12,975	12,979	12,885

<sup>1</sup> January and February 1983 estimates have been corrected.

p = preliminary.

**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED EMPLOYMENT**

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

[In thousands]

Industry division and group	1982									1983			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
<b>TOTAL</b> <sup>1</sup>	39,066	39,118	39,037	38,896	38,920	38,952	38,907	38,884	38,847	38,955	38,977	39,048	39,178
<b>GOODS-PRODUCING</b>	6,603	6,583	6,535	6,497	6,477	6,438	6,390	6,353	6,336	6,376	6,376	6,390	6,433
<b>MINING</b>	142	140	137	135	134	134	132	130	129	129	128	127	126
<b>CONSTRUCTION</b>	381	380	377	377	376	376	375	375	377	379	379	380	380
<b>MANUFACTURING</b>	6,080	6,063	6,021	5,985	5,967	5,928	5,883	5,848	5,830	5,868	5,869	5,883	5,927
<b>DURABLE GOODS</b>	2,888	2,877	2,852	2,841	2,815	2,787	2,748	2,729	2,717	2,732	2,738	2,748	2,769
Lumber and wood products	90	51	90	90	90	90	90	91	92	53	94	95	96
Furniture and fixtures	131	131	130	129	130	129	128	129	128	130	129	131	133
Stone, clay, and glass products	117	116	115	115	113	113	111	109	108	108	107	108	110
Primary metal industries	108	107	105	104	102	100	97	94	94	95	96	96	96
Fabricated metal products	307	305	303	301	300	297	292	290	291	293	295	296	298
Machinery, except electrical	495	493	486	479	473	468	458	453	450	447	445	443	445
Electric and electronic equipment	864	862	856	851	847	836	827	826	814	822	826	831	837
Transportation equipment	290	289	287	290	285	282	279	275	280	283	286	287	291
Instruments and related products	307	306	304	304	301	299	296	294	292	292	291	291	290
Miscellaneous manufacturing ind.	179	177	176	178	174	173	170	168	168	169	169	170	173
<b>NONDURABLE GOODS</b>	3,192	3,186	3,169	3,144	3,152	3,141	3,135	3,119	3,113	3,136	3,131	3,135	3,158
Food and kindred products	493	495	494	498	497	496	499	497	495	499	498	497	505
Tobacco manufactures	24	24	24	24	24	23	23	22	24	24	23	23	23
Textile mill products	367	362	355	354	351	350	350	347	346	346	345	348	349
Apparel and other textile products	944	942	939	917	928	926	926	921	917	932	928	924	929
Paper and allied products	154	154	152	152	151	151	150	150	150	150	149	150	151
Printing and publishing	516	516	515	513	514	514	512	511	512	513	513	515	518
Chemicals and allied products	283	282	281	280	280	279	277	276	275	274	275	275	276
Petroleum and coal products	32	31	31	31	31	31	31	31	31	31	31	31	31
Rubber and misc. plastics products	245	246	245	244	245	241	238	235	236	238	241	244	249
Leather and leather products	134	134	133	131	131	130	129	129	127	129	128	128	127
<b>SERVICE-PRODUCING</b> <sup>1</sup>	32,463	32,535	32,502	32,399	32,443	32,514	32,517	32,531	32,511	32,579	32,601	32,658	32,745
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	1,340	1,344	1,339	1,337	1,334	1,335	1,332	1,330	1,331	1,328	1,328	1,328	1,332
<b>WHOLESALE AND RETAIL TRADE</b>	9,042	9,064	9,063	9,074	9,061	9,049	9,045	9,033	8,997	9,063	9,068	9,088	9,094
<b>WHOLESALE TRADE</b>	1,403	1,403	1,399	1,397	1,393	1,389	1,387	1,380	1,378	1,374	1,375	1,372	1,377
<b>RETAIL TRADE</b>	7,639	7,661	7,664	7,677	7,668	7,660	7,658	7,653	7,619	7,689	7,693	7,716	7,717
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	3,190	3,195	3,201	3,200	3,201	3,206	3,203	3,207	3,212	3,218	3,220	3,227	3,251
<b>SERVICES</b>	11,264	11,287	11,306	11,336	11,351	11,394	11,410	11,431	11,456	11,474	11,500	11,536	11,603
<b>GOVERNMENT</b>	7,627	7,645	7,593	7,452	7,496	7,530	7,527	7,530	7,515	7,496	7,485	7,479	7,465
<b>FEDERAL</b>	876	878	882	884	886	889	887	894	894	892	891	902	912
<b>STATE AND LOCAL</b>	6,751	6,767	6,711	6,568	6,610	6,641	6,640	6,636	6,621	6,604	6,594	6,577	6,553

<sup>1</sup> January 1983 estimates have been corrected.

# 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	1982							1983					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May <sup>P</sup>	June <sup>P</sup>
<b>TOTAL PRIVATE</b> <sup>1</sup>	59,716	59,568	59,367	59,247	58,988	58,850	58,764	58,939	58,801	58,889	59,150	59,468	59,883
<b>GOODS-PRODUCING</b>	16,704	16,578	16,430	16,307	16,095	15,961	15,908	16,019	15,900	15,881	16,016	16,192	16,380
<b>MINING</b>	837	814	804	792	776	763	750	736	715	707	701	702	712
<b>CONSTRUCTION</b>	3,024	3,013	2,992	2,973	2,951	2,946	2,917	2,992	2,882	2,851	2,880	2,956	3,039
<b>MANUFACTURING</b>	12,843	12,751	12,634	12,542	12,368	12,252	12,241	12,291	12,303	12,323	12,435	12,534	12,629
<b>DURABLE GOODS</b>	7,408	7,350	7,234	7,150	6,992	6,900	6,892	6,931	6,949	6,961	7,035	7,117	7,177
Lumber and wood products	491	491	491	493	495	500	506	515	522	529	540	549	566
Furniture and fixtures	342	339	342	338	336	337	338	339	337	342	349	353	355
Stone, clay, and glass products	438	437	434	432	427	422	418	421	421	423	429	434	438
Primary metal industries	689	672	658	640	615	601	596	598	595	601	608	615	619
Fabricated metal products	1,039	1,031	1,018	1,008	988	975	973	981	983	982	987	996	1,005
Machinery, except electrical	1,396	1,358	1,321	1,297	1,243	1,215	1,199	1,186	1,179	1,171	1,175	1,202	1,204
Electric and electronic equipment	1,226	1,215	1,206	1,193	1,180	1,178	1,161	1,182	1,187	1,193	1,204	1,214	1,225
Transportation equipment	1,095	1,116	1,082	1,072	1,039	1,010	1,044	1,055	1,073	1,066	1,085	1,094	1,101
Instruments and related products	413	411	407	404	398	394	390	387	385	384	384	385	387
Miscellaneous manufacturing ind.	279	280	275	273	271	268	267	267	267	270	274	275	277
<b>NONDURABLE GOODS</b>	5,435	5,401	5,400	5,392	5,376	5,352	5,349	5,360	5,354	5,362	5,400	5,417	5,452
Food and kindred products	1,124	1,129	1,126	1,123	1,127	1,123	1,119	1,119	1,115	1,114	1,126	1,124	1,131
Tobacco manufactures	53	52	53	51	51	48	54	54	52	52	51	51	50
Textile mill products	636	634	630	628	629	623	623	622	622	627	631	634	643
Apparel and other textile products	986	963	972	971	968	962	963	973	970	965	972	977	981
Paper and allied products	492	491	489	492	486	487	486	486	486	486	488	492	494
Printing and publishing	698	696	696	696	696	694	695	694	694	694	699	701	702
Chemicals and allied products	600	596	597	595	593	592	589	588	587	585	587	586	590
Petroleum and coal products	115	115	119	122	120	120	119	120	121	122	122	120	121
Rubber and misc. plastics products	541	537	535	532	526	523	524	525	529	538	546	554	560
Leather and leather products	186	184	183	182	180	180	177	179	178	179	178	178	180
<b>SERVICE-PRODUCING</b> <sup>2</sup>	43,012	42,990	42,937	42,940	42,893	42,889	42,856	42,920	42,901	43,008	43,134	43,276	43,503
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> <sup>2</sup>	4,208	4,189	4,168	4,171	4,149	4,135	4,125	4,103	4,087	4,086	4,106	4,107	4,117
<b>WHOLESALE AND RETAIL TRADE</b>	17,890	17,868	17,833	17,800	17,764	17,738	17,689	17,774	17,769	17,776	17,754	17,789	17,861
<b>WHOLESALE TRADE</b>	4,280	4,268	4,252	4,240	4,225	4,201	4,183	4,171	4,166	4,156	4,165	4,180	4,187
<b>RETAIL TRADE</b>	13,610	13,600	13,581	13,560	13,539	13,537	13,506	13,603	13,603	13,620	13,589	13,609	13,674
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	3,999	3,994	3,990	3,994	3,990	3,993	3,997	3,998	4,003	4,012	4,037	4,042	4,058
<b>SERVICES</b>	16,915	16,939	16,946	16,975	16,990	17,023	17,045	17,045	17,042	17,134	17,237	17,338	17,467

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

<sup>2</sup> January and February 1983 estimates have been corrected.

p = preliminary.



## ESTABLISHMENT DATA

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

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1981.....	57.8	52.4	52.2	65.6	60.2	58.9	62.6	49.5	42.2	33.3	29.3	30.9
	1982.....	28.5	45.4	36.0	39.0	47.6	32.8	38.4	37.1	34.1	29.3	32.0	42.2
	1983.....	56.5	45.7	62.4	69.1	70.4p	66.9p						
Over 3-month span	1981.....	58.3	54.6	59.1	65.9	67.5	66.7	60.5	50.5	33.3	30.1	24.5	23.4
	1982.....	25.3	28.8	32.0	34.1	32.5	33.6	27.2	27.2	26.1	25.5	24.7	40.6
	1983.....	45.4	55.1	65.6	75.5p	77.2p							
Over 8-month span	1981.....	68.5	65.3	63.7	69.4	64.2	58.6	45.7	34.4	29.6	24.2	25.0	22.0
	1982.....	20.2	23.7	25.3	29.8	26.1	26.1	23.4	19.1	21.2	26.1	26.6	35.8
	1983.....	50.5	64.0p	74.7p									
Over 12-month span	1981.....	74.5	71.2	70.4	58.1	47.6	41.4	34.9	29.8	27.4	23.7	25.3	23.1
	1982.....	22.0	20.7	18.0	19.4	18.3	20.7	20.7	22.8	24.2	31.5	37.4p	42.7p
	1983.....												

<sup>1</sup> Number of employees, seasonally adjusted for 1, 3, and 6 month spans, on payrolls of 186 private nonagricultural industries.  
p = preliminary.

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

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P
<b>1 ALABAMA</b> .....	1,324.2	1,309.6	1,312.4	16.8	14.6	14.6	57.9	58.8	59.4	343.9	328.5	329.3
2 Birmingham .....	340.3	332.6	332.8	8.9	7.4	7.3	17.0	17.0	17.6	55.8	48.8	48.8
3 Huntsville .....	125.3	128.5	129.7	(1)	(1)	(1)	3.8	3.7	3.9	37.5	39.4	39.9
4 Mobile .....	149.9	146.2	146.3	(1)	(1)	(1)	9.2	9.5	9.8	29.1	26.2	26.1
5 Montgomery .....	103.9	103.2	103.7	(1)	(1)	(1)	5.1	5.4	5.6	15.4	14.3	14.4
6 Tuscaloosa .....	50.2	49.4	49.4	2.5	1.7	1.7	1.9	2.0	2.0	7.7	7.6	7.7
<b>7 ALASKA</b> .....	192.1	204.6	211.2	8.9	9.9	10.0	13.9	15.9	17.7	10.8	9.3	11.0
<b>8 ARIZONA</b> .....	1,037.6	1,044.0	1,042.5	18.5	15.7	15.7	65.1	68.6	70.5	154.7	149.7	150.1
9 Phoenix .....	659.3	663.4	662.8	.4	.6	.6	44.3	46.7	47.6	112.0	107.4	107.6
10 Tucson .....	192.1	195.7	195.7	5.2	3.7	3.7	11.6	13.0	13.8	26.0	26.2	26.3
<b>11 ARKANSAS</b> .....	725.2	728.7	733.0	6.2	5.5	5.5	30.1	29.5	30.5	197.7	197.9	200.5
12 Fayetteville—Springdale .....	66.1	66.4	66.4	(1)	(1)	(1)	2.4	2.2	2.3	19.7	18.5	18.4
13 Fort Smith .....	65.7	66.0	66.8	1.3	1.1	1.1	2.5	2.2	2.3	20.2	21.5	22.1
14 Little Rock—North Little Rock .....	176.9	178.0	178.5	(1)	(1)	(1)	8.3	8.4	8.6	27.0	25.3	25.5
15 Pine Bluff .....	29.6	28.9	29.3	(1)	(1)	(1)	1.2	1.0	1.1	5.8	5.5	5.7
<b>17 CALIFORNIA</b> .....	9,856.8	9,788.6	9,842.8	49.6	47.8	47.8	368.9	350.3	361.2	1,935.8	1,866.5	1,879.3
17 Anaheim—Santa Ana—Garden Grove .....	857.4	838.1	842.3	3.7	3.2	3.2	39.2	31.3	31.9	216.0	207.9	209.3
18 Bakersfield .....	138.7	137.6	138.1	14.0	14.1	14.2	6.9	6.5	6.4	10.1	9.5	9.7
19 Fresno .....	176.6	173.4	175.7	1.0	1.0	1.1	8.2	7.7	7.9	20.9	20.4	21.0
20 Los Angeles—Long Beach .....	3,567.5	3,565.7	3,575.0	14.6	14.2	14.2	105.2	95.0	97.9	867.2	846.7	848.0
21 Modesto .....	84.8	83.7	83.8	.1	.1	.1	3.9	3.6	3.8	17.7	17.4	17.5
22 Oxnard—Simi Valley—Ventura .....	161.1	162.4	162.6	3.2	3.0	3.0	5.5	5.2	5.3	26.2	26.0	25.9
23 Riverside—San Bernardino—Ontario .....	436.9	433.8	433.6	1.8	1.0	1.0	19.6	19.2	19.3	60.3	57.2	57.6
24 Sacramento .....	406.8	405.2	407.3	.8	.8	.8	15.4	15.3	15.9	26.1	25.4	26.0
25 Salinas—Seaside—Monterey .....	91.4	89.4	90.0	.4	.4	.4	3.2	3.0	3.0	9.4	8.9	9.0
26 San Diego .....	668.1	658.4	661.2	.5	.5	.5	29.2	24.5	24.9	109.4	102.4	103.2
27 San Francisco—Oakland .....	1,566.5	1,554.4	1,557.7	4.3	4.4	4.4	72.0	68.7	70.3	190.8	185.7	184.3
28 San Jose .....	695.1	689.0	692.8	.1	.1	.1	21.2	20.9	22.0	255.0	251.4	251.9
29 Santa Barbara—Santa Maria—Lompoc .....	125.9	124.7	125.6	1.6	1.4	1.4	4.9	4.4	4.5	18.2	18.7	18.9
30 Santa Rosa .....	95.9	94.8	95.6	.5	.5	.5	4.7	4.2	4.5	15.4	14.8	14.9
31 Stockton .....	118.7	115.7	117.7	.1	.1	.1	5.2	4.6	5.0	20.0	18.7	19.0
32 Vallejo—Fairfield—Napa .....	103.1	101.5	102.3	.5	.5	.5	4.5	4.1	4.5	11.1	9.8	10.0
<b>33 COLORADO</b> .....	1,312.1	1,314.0	1,323.3	43.6	38.4	38.4	78.5	77.2	82.1	183.9	176.6	176.9
34 Denver—Boulder .....	847.9	847.3	856.1	29.2	27.9	27.9	48.4	46.1	49.4	127.9	123.4	123.8
<b>35 CONNECTICUT</b> .....	1,433.8	1,419.7	1,432.8	(2)	(2)	(2)	50.9	46.5	50.1	421.1	402.8	403.2
36 Bridgeport .....	168.3	163.6	164.2	(2)	(2)	(2)	4.8	4.9	5.0	61.5	57.9	57.7
37 Hartford .....	400.4	395.7	399.5	(2)	(2)	(2)	11.8	10.3	11.4	92.6	87.1	87.6
38 New Britain .....	61.6	59.4	59.7	(2)	(2)	(2)	2.0	1.8	2.0	26.5	24.7	24.6
39 New Haven—West Haven .....	188.3	183.7	185.4	(2)	(2)	(2)	6.5	5.8	6.1	40.1	38.0	37.4
40 Stamford .....	114.7	114.7	115.7	(2)	(2)	(2)	5.3	4.9	5.2	32.4	32.4	32.3
41 Waterbury .....	85.6	83.8	84.5	(2)	(2)	(2)	2.8	2.6	2.9	29.8	28.3	28.2
<b>42 DELAWARE</b> .....	260.6	258.6	261.7	(1)	(1)	(1)	15.8	15.7	16.4	69.1	67.1	67.5
43 Wilmington .....	234.0	230.2	232.5	(1)	(1)	(1)	18.4	18.1	19.1	63.8	59.6	59.9
<b>44 DISTRICT OF COLUMBIA</b> .....	593.3	594.1	594.5	(1)	(1)	(1)	10.6	9.9	10.0	13.6	13.6	13.6
45 Washington SMBA .....	1,591.7	1,602.9	1,612.4	(1)	(1)	(1)	67.7	66.5	69.1	59.3	62.1	62.2
<b>46 FLORIDA</b> .....	3,769.6	3,860.5	3,851.3	9.1	9.1	9.1	256.5	237.9	243.7	462.0	461.1	467.8
47 Daytona Beach .....	85.0	84.7	84.6	(1)	(1)	(1)	4.5	3.9	4.1	9.2	9.5	9.8
48 Fort Lauderdale—Hollywood .....	366.9	361.8	360.7	(1)	(1)	(1)	25.7	23.8	24.0	40.9	38.7	39.1
49 Fort Myers—Cape Coral .....	75.8	78.2	78.0	(1)	(1)	(1)	8.4	9.0	9.1	4.2	4.1	4.1
50 Gainesville .....	68.9	69.3	68.9	(1)	(1)	(1)	3.6	3.9	4.3	4.2	4.0	4.1
51 Jacksonville .....	308.4	312.4	314.0	(1)	(1)	(1)	18.6	19.2	19.2	33.8	31.4	32.0
52 Lakeland—Winter Haven .....	119.7	119.0	116.7	4.1	4.1	4.1	8.6	6.5	6.5	20.4	20.2	19.3
53 Melbourne—Titusville—Cocoa .....	109.3	111.9	112.5	(1)	(1)	(1)	5.8	5.7	5.8	24.3	24.1	24.4
54 Miami .....	736.0	736.9	735.2	(1)	(1)	(1)	37.3	33.5	33.6	95.5	96.2	96.3
55 Orlando .....	318.3	337.0	337.1	(1)	(1)	(1)	24.9	25.2	23.8	39.3	38.8	39.4
56 Pensacola .....	102.2	105.3	105.8	(1)	(1)	(1)	7.2	8.7	9.2	12.5	12.5	12.4
57 Sarasota .....	78.4	77.6	77.3	(1)	(1)	(1)	7.2	6.6	6.7	5.9	5.7	5.7
58 Tallahassee .....	74.4	75.8	75.7	(1)	(1)	(1)	3.5	3.4	3.6	3.1	3.2	3.2
59 Tampa—St. Petersburg .....	592.8	603.9	600.3	(1)	(1)	(1)	40.1	40.1	40.2	78.8	79.0	79.1
60 West Palm Beach—Boca Raton .....	222.7	228.7	226.6	(1)	(1)	(1)	19.2	15.8	16.9	28.4	28.4	29.1

See footnotes at end of table.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	
72.1	70.3	70.4	268.1	265.7	265.8	58.8	58.7	58.9	215.4	219.6	219.4	291.2	293.4	294.6	1
29.6	29.3	29.4	79.7	78.1	78.2	23.3	23.6	23.6	71.3	73.6	73.6	54.7	54.8	54.3	2
2.7	2.7	2.7	22.3	22.6	22.7	3.5	3.5	3.5	20.0	20.9	20.9	35.5	35.7	36.1	3
10.6	10.0	9.9	36.8	36.8	36.7	7.1	6.7	6.7	31.5	31.1	31.2	25.6	25.9	25.9	4
4.4	4.4	4.4	23.2	23.2	23.3	6.2	6.1	6.1	20.8	20.8	20.8	28.8	29.0	29.1	5
1.8	1.7	1.7	10.0	10.0	9.9	1.6	1.6	1.6	6.4	6.5	6.5	18.3	18.3	18.3	6
18.1	18.9	20.1	34.9	39.1	40.1	9.5	9.9	10.2	34.5	37.0	37.5	61.5	64.6	64.6	7
56.4	55.9	55.7	253.6	256.1	255.4	61.7	62.1	62.3	222.7	226.4	225.5	204.9	209.5	207.3	8
35.4	35.1	34.9	169.1	170.7	170.2	48.1	48.2	48.3	147.1	150.6	149.9	102.9	104.1	103.7	9
9.0	8.7	8.6	43.1	43.2	43.2	8.5	8.9	8.9	43.1	44.6	44.3	45.6	47.4	46.9	10
42.4	41.5	41.8	158.5	157.6	158.3	32.3	32.3	32.6	119.0	121.5	121.6	139.0	142.9	142.2	11
3.9	4.4	4.5	16.0	16.2	16.2	2.2	2.4	2.4	9.7	9.8	9.9	12.2	12.9	12.7	12
3.5	3.5	3.5	14.4	13.9	14.0	2.5	2.5	2.6	12.0	12.1	12.1	9.3	9.2	9.1	13
13.0	13.2	13.1	41.6	43.0	43.2	13.2	13.3	13.4	36.5	37.7	37.7	37.3	37.1	37.0	14
3.6	3.2	3.3	5.9	5.6	5.6	1.3	1.3	1.3	5.4	5.6	5.7	6.4	6.7	6.6	15
542.6	532.5	534.0	2,266.7	2,264.3	2,284.4	643.8	647.4	648.9	2,277.4	2,328.1	2,332.8	1,772.0	1,751.7	1,754.4	16
30.1	28.3	28.2	209.3	207.5	208.1	60.8	59.7	59.7	190.2	194.0	194.8	108.1	106.2	107.1	17
8.0	7.7	7.7	35.2	35.4	35.7	5.3	5.4	5.4	25.5	25.6	25.6	33.7	33.4	33.4	18
10.4	10.2	10.4	45.1	44.5	44.8	11.2	11.5	11.5	37.9	36.8	37.4	41.9	41.3	41.6	19
196.6	194.7	194.2	806.5	810.9	816.5	238.5	239.5	240.2	867.2	894.5	895.3	471.7	470.2	468.7	20
4.0	4.2	4.1	21.0	21.3	21.2	3.4	3.4	3.4	17.6	17.5	17.4	17.1	16.2	16.3	21
6.9	6.5	6.6	38.7	39.6	39.8	9.2	10.4	10.4	33.1	33.6	33.7	38.4	38.1	37.9	22
25.4	25.0	25.0	108.3	109.0	109.0	19.1	18.8	18.7	97.6	98.9	98.2	104.8	104.7	104.8	23
22.1	21.6	21.7	93.5	94.7	95.1	22.5	22.6	22.6	79.8	80.6	80.5	146.6	144.2	144.7	24
4.8	4.6	4.7	24.1	23.3	23.8	4.2	4.3	4.3	20.7	20.7	20.7	24.6	24.2	24.1	25
29.8	29.0	28.9	153.7	154.7	155.6	41.8	41.9	42.0	160.4	163.8	164.2	143.3	141.6	141.9	26
126.6	122.2	122.4	355.6	353.6	355.3	153.9	153.6	153.7	373.5	380.0	381.1	289.8	286.2	286.2	27
22.8	21.5	21.8	125.7	126.9	128.0	28.4	28.7	28.8	159.7	159.7	160.8	82.2	79.8	79.4	28
5.5	5.3	5.3	30.0	29.3	29.6	6.2	6.3	6.3	34.6	34.7	34.8	24.9	24.6	24.8	29
4.8	4.7	4.7	23.2	23.1	23.3	6.1	6.1	6.1	20.6	21.2	21.1	20.6	20.2	20.5	30
7.6	7.5	7.7	27.0	26.6	27.2	6.1	6.2	6.2	24.6	24.6	24.8	28.1	27.4	27.7	31
4.4	4.5	4.5	22.3	22.5	22.7	3.5	3.5	3.5	21.2	20.9	20.9	35.6	35.7	35.7	32
85.1	83.4	83.9	318.8	323.3	324.8	82.9	85.3	86.0	275.7	283.6	283.9	243.6	246.2	247.4	33
60.5	60.8	61.3	201.2	202.4	204.0	59.7	61.5	62.1	184.9	187.3	189.7	136.1	137.9	138.0	34
62.5	59.7	61.3	301.8	303.7	307.4	112.5	115.2	115.5	302.1	305.9	309.2	182.9	185.9	186.1	35
6.5	6.4	6.4	35.0	34.1	34.7	7.8	7.7	7.7	36.2	36.1	36.2	16.5	16.5	16.5	36
13.9	13.7	13.8	82.6	82.8	83.4	65.6	66.0	66.0	80.9	82.8	84.4	53.0	53.0	52.9	37
3.5	3.7	3.7	10.2	9.9	10.0	1.9	1.8	1.8	10.7	11.0	11.0	6.8	6.5	6.6	38
15.7	14.9	15.8	41.1	40.1	40.5	11.0	11.0	11.0	50.3	50.2	50.9	23.6	23.7	23.7	39
4.6	4.6	4.6	26.0	26.0	26.4	9.0	9.4	9.4	27.2	27.1	27.5	10.2	10.3	10.3	40
3.3	3.4	3.4	16.1	16.0	16.3	3.9	3.9	3.9	18.8	18.5	18.7	10.9	11.1	11.1	41
11.8	11.1	11.3	56.2	56.1	57.4	13.4	13.4	13.4	49.7	50.8	51.2	44.5	44.3	44.5	42
11.5	10.8	11.0	47.3	47.4	47.9	12.4	12.3	12.4	45.1	46.1	46.1	35.6	35.9	36.2	43
25.7	25.5	25.4	59.9	58.8	58.8	33.1	33.0	33.0	192.2	193.8	192.7	258.2	259.5	261.0	44
73.2	73.8	74.2	301.5	301.4	303.6	90.3	91.0	91.7	468.0	473.6	476.8	531.7	532.5	534.8	45
229.7	235.1	234.1	996.8	1,030.6	1,020.8	280.7	291.1	291.6	895.0	946.9	939.4	639.8	648.7	644.8	46
3.3	3.3	3.3	24.2	23.8	23.5	5.0	5.3	5.4	23.4	23.3	22.9	15.4	15.6	15.6	47
18.4	18.1	18.0	110.3	108.6	107.7	32.1	32.3	32.5	90.3	92.3	91.4	49.2	48.0	48.0	48
4.2	4.2	4.3	22.7	23.3	23.0	7.1	7.0	7.0	17.1	18.0	17.9	12.1	12.6	12.6	49
1.6	1.6	1.6	14.3	13.7	13.5	3.0	2.9	2.8	14.2	14.5	14.5	28.0	28.7	28.1	50
25.0	24.8	25.2	79.9	82.0	82.3	28.0	28.1	28.1	70.0	72.9	73.2	53.1	54.0	54.0	51
5.2	5.1	5.0	30.0	30.4	30.3	9.5	10.1	10.1	25.3	25.7	25.1	16.6	16.9	16.3	52
4.9	4.9	4.9	23.8	26.1	26.1	4.2	4.2	4.1	27.5	27.9	28.0	18.8	19.0	19.2	53
73.4	71.4	71.4	192.3	194.5	193.2	59.2	58.5	58.4	183.2	185.6	185.9	95.1	97.2	96.4	54
15.5	15.6	15.5	87.0	94.8	95.9	21.0	20.7	20.7	86.9	94.2	94.6	43.7	47.7	47.2	55
5.1	5.5	5.4	24.4	24.7	24.4	4.3	4.5	4.5	22.7	22.6	23.1	26.0	26.8	26.8	56
3.2	3.5	3.5	23.2	23.6	23.1	6.5	6.9	6.8	20.1	21.2	21.4	10.3	10.1	10.1	57
2.5	2.6	2.6	16.3	15.0	15.5	3.5	3.6	3.7	14.1	14.8	14.8	31.4	33.2	32.3	58
33.5	33.6	33.8	163.8	163.1	159.9	43.2	44.5	44.4	148.7	155.1	154.4	84.7	88.5	88.5	59
10.0	10.3	10.3	57.9	60.6	59.1	19.3	19.9	19.6	56.2	60.8	58.8	31.7	32.9	32.8	60

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

	State and areas	Total			Mining			Construction			Manufacturing		
		MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P
1	GEORGIA .....	2,206.9	2,227.5	2,238.0	7.5	7.3	7.3	105.5	98.1	101.7	502.7	496.7	499.6
2	Albany .....	44.1	43.4	43.5	(1)	(1)	(1)	1.7	1.7	1.7	11.7	11.5	11.5
3	Athens .....	53.5	53.2	53.6	-	-	-	1.6	1.5	1.6	14.4	13.8	13.9
4	Atlanta .....	1,013.3	1,024.2	1,027.2	(1)	(1)	(1)	45.5	43.9	44.0	143.3	139.0	139.7
5	Augusta .....	122.7	123.7	123.7	(1)	(1)	(1)	5.6	5.5	5.6	34.0	33.3	33.5
6	Columbus .....	80.0	78.1	78.7	(1)	(1)	(1)	3.8	3.3	3.5	20.0	19.9	20.0
7	Macon .....	99.8	98.9	99.6	(1)	(1)	(1)	4.3	3.3	3.3	16.3	16.4	16.2
8	Savannah .....	88.4	88.7	88.7	(1)	(1)	(1)	5.3	5.0	5.1	16.4	16.0	16.0
9	HAWAII .....	401.4	400.2	399.3	-	-	-	18.1	16.9	16.9	22.4	21.3	21.4
10	Honolulu .....	328.0	326.8	326.6	-	-	-	14.6	13.6	13.7	16.6	15.5	15.8
11	IDAHO .....	311.8	312.8	315.7	3.9	3.6	3.7	13.3	13.1	14.2	46.5	47.8	49.0
12	Boise City .....	76.4	76.5	77.1	(1)	(1)	(1)	5.2	4.6	4.9	8.6	8.7	8.8
13	ILLINOIS .....	4,621.3	4,476.6	4,525.5	28.3	26.1	26.3	157.2	136.6	147.4	1,040.5	949.9	966.8
14	Bloomington—Normal .....	48.3	49.5	47.8	(2)	(2)	(2)	1.3	.9	1.2	5.9	5.4	5.4
15	Champaign—Urbana—Rantoul .....	77.5	74.6	75.3	(2)	(2)	(2)	1.7	1.6	1.7	6.7	6.7	6.9
16	Chicago—Gary .....	3,333.2	3,251.2	3,285.6	3.0	3.1	3.2	113.5	108.0	115.0	778.8	725.1	727.0
17	Chicago SMSA <sup>1</sup> .....	3,103.7	3,030.2	3,063.2	2.9	3.0	3.1	102.2	97.0	103.5	700.6	654.4	656.2
18	Davenport—Rock Island—Moline .....	158.0	146.6	148.1	(2)	(2)	(2)	6.5	5.4	5.9	46.1	38.3	38.6
19	Decatur .....	54.5	49.1	51.5	(2)	(2)	(2)	2.2	2.0	2.0	19.1	14.9	17.2
20	Kankakee .....	33.5	30.1	30.6	(2)	(2)	(2)	1.6	1.1	1.2	7.7	5.9	6.2
21	Peoria .....	142.2	118.6	130.0	(2)	(2)	(2)	7.2	5.5	6.0	43.2	24.7	35.5
22	Rockford .....	106.5	103.8	104.8	(2)	(2)	(2)	3.1	2.4	2.9	39.7	39.6	39.7
23	Springfield .....	87.3	83.5	84.3	(2)	(2)	(2)	3.6	2.3	2.7	6.1	4.6	5.0
24	INDIANA .....	2,039.9	1,974.3	1,990.2	10.9	9.4	9.6	74.4	68.1	69.6	594.7	554.1	559.3
25	Anderson .....	43.7	43.0	43.6	(1)	(1)	(1)	.9	1.0	1.0	17.6	16.8	17.2
26	Eikhart .....	69.1	72.1	74.7	(1)	(1)	(1)	1.6	1.5	1.6	35.4	37.8	39.7
27	Evansville .....	123.2	117.4	118.2	2.9	2.7	2.7	5.5	5.6	5.9	34.3	28.6	28.4
28	Fort Wayne .....	161.6	156.3	157.9	(1)	(1)	(1)	5.7	4.9	5.5	48.7	45.6	45.8
29	Gary—Hammond—East Chicago <sup>2</sup> .....	229.5	221.0	222.4	(1)	(1)	(1)	11.3	11.0	11.5	78.2	70.7	70.8
30	Indianapolis .....	512.0	500.2	506.1	(1)	(1)	(1)	20.1	18.5	19.7	113.0	106.2	106.9
31	Lafayette—West Lafayette .....	55.7	56.0	54.7	(1)	(1)	(1)	2.0	1.5	1.6	10.6	10.1	10.3
32	Muncie .....	46.8	45.2	45.7	(1)	(1)	(1)	1.3	1.0	1.1	10.8	10.0	10.1
33	South Bend .....	107.7	105.0	106.1	(1)	(1)	(1)	3.6	3.4	3.7	29.7	27.4	27.6
34	Terre Haute .....	60.4	57.7	57.8	1.4	1.1	1.2	2.7	2.6	2.9	14.3	12.6	12.5
35	IOWA .....	1,047.2	1,012.5	1,021.1	2.0	1.7	1.9	36.6	26.9	30.3	214.1	195.9	198.7
36	Cedar Rapids .....	76.9	73.0	73.3	(1)	(1)	(1)	2.2	1.8	1.7	23.4	21.3	21.4
37	Des Moines .....	171.8	166.1	167.6	(1)	(1)	(1)	5.4	3.9	4.2	20.7	19.0	19.3
38	Dubuque .....	38.7	36.7	37.1	(1)	(1)	(1)	1.1	1.0	1.0	11.8	10.4	10.7
39	Sioux City .....	47.3	45.8	45.9	(1)	(1)	(1)	2.1	1.4	1.3	8.7	8.7	8.6
40	Waterloo—Cedar Falls .....	59.8	55.4	55.4	(1)	(1)	(1)	1.6	1.1	1.3	19.2	16.9	16.8
41	KANSAS .....	932.8	907.6	911.8	19.4	16.8	17.2	39.2	33.3	34.9	170.0	157.0	158.1
42	Lawrence .....	28.0	27.5	27.4	(2)	(2)	(2)	.6	.6	.7	4.5	4.2	4.0
43	Topeka .....	84.3	83.7	83.6	(2)	(2)	(2)	2.9	3.0	2.9	9.8	9.2	9.2
44	Wichita .....	195.9	189.6	191.0	3.8	3.3	3.4	8.6	6.9	7.1	54.0	50.2	50.2
45	KENTUCKY .....	1,185.3	1,162.0	1,168.8	54.9	50.9	51.3	51.4	47.3	50.3	252.2	243.9	244.9
46	Lexington—Fayette .....	143.4	141.1	142.9	(1)	(1)	(1)	6.4	5.0	5.3	26.6	25.2	25.7
47	Louisville .....	375.0	363.8	365.3	(1)	(1)	(1)	15.8	15.3	16.0	91.0	83.8	83.6
48	Owensboro .....	30.5	29.6	29.5	1.1	1.0	1.0	1.5	1.5	1.6	6.0	5.6	5.5
49	LOUISIANA .....	1,622.8	1,589.6	1,587.9	98.7	93.2	92.9	124.1	116.0	115.5	206.6	191.3	191.3
50	Alexandria .....	53.6	54.2	54.3	(1)	(1)	(1)	3.6	3.4	3.5	5.3	5.2	5.2
51	Baton Rouge .....	206.9	207.2	207.4	1.5	1.5	1.5	21.3	21.3	21.3	25.8	24.3	24.3
52	Lafayette .....	97.1	98.0	97.3	19.7	18.7	18.0	6.3	6.2	6.1	5.1	5.4	5.3
53	Lake Charles .....	64.3	62.0	61.2	2.7	2.4	2.3	6.2	5.4	4.6	11.1	9.9	10.0
54	Monroe .....	51.9	51.8	52.1	.7	.5	.5	3.1	3.6	3.6	7.5	7.2	7.4
55	New Orleans .....	520.1	507.6	505.5	21.0	20.7	20.6	31.1	30.1	30.2	48.1	44.3	44.1
56	Shreveport .....	153.5	144.6	145.5	7.7	7.6	7.1	8.6	6.9	7.0	26.4	23.0	22.8
57	MAINE .....	410.9	399.9	408.7	(1)	(1)	(1)	16.7	14.3	16.6	106.7	103.3	104.0
58	Lewiston—Auburn .....	33.5	33.2	33.9	(1)	(1)	(1)	1.1	1.2	1.2	11.0	10.8	11.1
59	Portland .....	94.1	96.4	97.0	(1)	(1)	(1)	4.3	4.0	4.3	17.1	16.5	16.5
60	MARYLAND .....	1,682.1	1,662.4	1,677.3	(1)	(1)	(1)	88.4	83.2	85.5	214.9	204.9	205.7
61	Baltimore SMSA .....	936.5	922.3	926.2	(1)	(1)	(1)	42.3	38.3	38.8	142.5	136.2	136.5
62	Baltimore City <sup>2</sup> .....	438.3	429.9	429.7	(1)	(1)	(1)	14.4	12.2	12.5	58.8	55.3	55.0

See footnotes at end of table.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	
146.2	145.8	145.7	520.2	527.5	531.1	116.5	119.2	119.7	371.5	387.8	389.2	436.9	445.1	443.7	1
2.3	2.2	2.2	9.3	9.3	9.4	2.1	2.2	2.2	6.2	6.0	6.0	10.9	10.5	10.4	2
1.5	1.5	1.5	10.0	10.5	10.6	1.7	1.7	1.7	6.8	7.0	7.0	17.5	17.2	17.4	3
91.8	92.4	92.4	281.5	287.2	287.9	70.1	71.5	71.6	216.1	222.5	224.0	165.0	167.7	167.6	4
4.3	4.2	4.2	23.8	24.8	24.6	4.5	4.4	4.5	19.1	20.1	20.0	31.4	31.3	31.4	5
3.3	3.1	3.1	16.6	16.4	16.7	5.4	5.3	5.4	11.4	10.9	11.0	19.5	19.1	19.1	6
4.7	4.6	4.6	20.5	21.0	20.9	6.1	6.1	6.1	17.9	17.9	17.8	30.0	29.6	30.5	7
8.3	8.9	9.1	21.3	21.1	21.0	4.1	4.3	4.3	16.6	16.9	16.8	16.5	16.4	16.4	8
31.7	30.3	30.3	105.2	105.5	106.1	31.6	31.6	31.6	100.4	101.3	100.2	92.0	93.3	92.8	9
26.3	25.0	25.0	86.6	86.6	87.3	27.1	27.3	27.4	78.4	79.4	78.5	78.4	79.4	78.9	10
19.0	18.7	18.8	78.3	77.4	78.2	22.5	23.0	23.0	58.8	60.1	59.1	69.5	69.1	69.7	11
5.1	5.2	5.2	19.1	19.8	20.0	7.6	7.6	7.7	14.9	14.9	15.0	15.9	15.7	15.5	12
276.5	265.4	267.0	1,078.8	1,058.9	1,068.5	327.3	325.6	326.6	985.6	976.1	983.7	727.1	738.0	739.2	13
3.5	3.3	3.3	11.7	11.5	11.6	8.1	8.1	8.2	8.8	8.7	8.8	9.0	11.6	9.3	14
2.5	2.3	2.4	19.5	19.1	19.2	2.5	2.4	2.4	12.3	11.7	11.8	32.3	30.8	30.9	15
199.1	193.4	194.5	795.6	786.7	803.9	252.6	250.0	250.0	759.9	755.5	762.1	430.7	429.4	429.9	16
185.3	180.2	181.3	748.3	739.1	755.8	243.7	241.3	241.2	720.8	716.2	722.5	399.9	399.0	399.6	17
6.8	6.3	6.4	39.1	38.3	38.8	7.2	7.2	7.1	26.5	25.5	25.6	25.8	25.6	25.7	18
4.8	4.6	4.8	11.1	10.8	10.8	2.7	2.6	2.6	8.9	8.8	8.8	5.7	5.4	5.3	19
1.4	1.2	1.2	6.8	6.6	6.7	1.5	1.4	1.4	6.8	6.3	6.3	7.7	7.6	7.6	20
7.6	7.2	7.2	33.3	31.7	32.1	6.8	6.7	6.7	27.5	26.3	26.3	16.6	16.4	16.2	21
4.3	4.2	4.2	23.3	22.5	22.6	4.8	4.6	4.6	18.9	18.2	18.3	12.4	12.3	12.5	22
4.5	4.2	4.2	18.7	18.3	18.6	6.5	6.3	6.3	18.1	18.2	18.1	29.8	29.6	29.4	23
104.6	99.7	100.1	457.1	439.9	446.2	102.1	103.7	104.4	358.4	363.5	367.3	337.6	335.9	333.6	24
1.2	1.2	1.2	9.1	9.4	9.5	1.5	1.5	1.5	8.0	8.1	8.1	5.4	5.0	5.1	25
2.5	2.4	2.4	13.2	13.7	14.0	2.0	2.0	2.1	9.2	9.6	9.7	5.2	5.1	5.2	26
7.0	6.6	6.7	30.2	30.8	31.2	4.5	4.5	4.6	26.4	26.4	26.4	12.4	12.2	12.3	27
10.6	10.1	10.1	39.0	38.4	38.8	10.5	10.4	10.4	29.1	29.0	29.3	18.4	17.9	18.0	28
13.8	13.2	13.2	47.3	47.6	48.1	8.9	8.7	8.8	39.2	39.4	39.7	30.8	30.4	30.3	29
30.3	30.1	30.5	127.5	126.2	127.4	38.8	38.2	38.4	98.8	98.9	100.8	83.5	82.1	82.4	30
1.7	1.6	1.6	11.2	11.0	10.9	2.6	2.5	2.6	9.3	9.4	9.4	18.3	19.9	18.3	31
1.9	1.9	1.9	11.5	11.0	11.3	1.5	1.5	1.5	8.7	8.8	8.8	11.1	11.0	11.0	32
4.8	4.6	4.6	25.9	26.1	26.4	5.1	5.1	5.1	26.0	25.8	26.1	12.6	12.6	12.6	33
3.5	3.2	3.2	14.7	14.0	14.1	2.0	1.9	1.9	10.1	10.2	10.3	11.7	12.1	11.7	34
52.4	50.5	50.6	265.3	259.9	261.6	58.8	58.8	59.0	210.6	212.1	211.0	207.5	206.8	208.0	35
3.9	3.7	3.8	18.2	17.3	17.2	4.3	4.2	4.2	15.7	15.8	15.8	9.3	8.8	9.2	36
11.1	11.1	11.2	43.5	41.8	42.1	21.7	21.6	21.6	41.3	40.7	41.0	28.1	27.9	28.1	37
1.7	1.6	1.6	8.6	8.3	8.4	1.3	1.3	1.3	10.5	10.5	10.5	3.8	3.7	3.7	38
3.7	3.5	3.6	12.0	11.4	11.5	2.7	2.7	2.7	11.7	11.9	12.1	6.4	6.3	6.3	39
2.2	2.1	2.1	13.0	12.4	12.4	2.1	2.1	2.1	11.0	10.5	10.6	10.7	10.3	10.2	40
61.3	62.7	63.0	228.3	224.6	224.5	48.7	48.1	48.2	173.7	172.7	173.2	192.2	192.6	192.7	41
1.4	1.4	1.4	5.6	5.7	5.6	.9	.8	.8	3.8	4.0	4.0	11.2	10.8	10.9	42
8.3	8.0	7.9	18.4	18.2	18.4	5.9	5.8	5.9	17.2	17.8	17.7	21.6	21.7	21.6	43
10.1	10.2	10.3	45.4	44.4	45.1	9.7	9.9	9.9	39.7	39.1	39.2	24.6	25.6	25.8	44
66.8	61.8	62.2	261.3	260.1	261.0	51.9	50.8	52.1	219.3	221.3	221.9	227.5	225.9	225.1	45
7.4	7.3	7.4	32.4	31.2	31.1	7.1	7.2	7.8	31.0	33.2	32.8	32.5	32.0	32.8	46
23.2	21.7	21.7	86.5	84.4	85.5	23.3	23.6	23.7	78.9	78.5	79.5	56.2	56.5	55.3	47
2.4	2.3	2.3	7.3	7.1	7.0	1.1	1.2	1.2	6.3	6.1	6.1	4.8	4.8	4.8	48
129.7	124.7	124.0	368.4	364.5	365.1	79.4	79.7	80.1	304.9	307.7	307.9	311.0	312.5	311.1	49
2.5	2.5	2.5	11.9	12.4	12.4	3.0	3.0	3.0	11.4	11.7	11.7	15.9	16.0	16.0	50
10.2	10.1	10.1	47.5	46.7	46.9	12.0	12.0	12.0	37.1	37.9	38.2	51.5	53.4	53.1	51
7.6	7.8	7.8	24.5	24.2	24.2	3.5	3.6	3.6	20.2	20.6	20.8	10.2	11.5	11.5	52
4.8	4.9	4.7	14.9	14.9	14.9	2.9	3.0	3.0	11.0	10.9	11.1	10.7	10.6	10.6	53
2.7	2.7	2.7	13.2	13.5	13.6	3.9	3.9	3.9	9.9	9.7	9.7	10.9	10.7	10.7	54
52.2	48.1	47.8	130.2	126.2	126.4	31.5	31.5	31.4	122.9	126.4	125.3	83.1	80.3	79.7	55
9.6	8.6	8.7	35.9	34.0	34.0	7.5	7.8	7.9	31.7	30.4	31.7	26.1	26.3	26.3	56
18.8	17.1	17.7	87.9	84.5	87.9	17.5	18.0	18.2	79.8	78.7	80.6	83.5	84.0	83.7	57
1.3	1.3	1.3	8.0	7.8	8.0	1.6	1.6	1.6	7.4	7.5	7.5	3.1	3.0	3.2	58
6.1	5.9	6.0	24.7	25.2	25.7	8.2	8.7	8.8	20.5	21.9	22.0	13.2	14.2	13.7	59
87.4	85.7	85.4	406.6	401.8	406.9	95.2	95.5	95.9	391.7	396.0	400.3	397.9	395.3	397.6	60
59.3	57.2	56.6	218.9	216.0	217.7	58.9	58.0	58.2	207.7	211.3	212.3	206.9	205.3	206.1	61
37.6	36.2	35.9	94.2	91.1	91.3	39.3	38.9	39.2	112.5	116.4	116.1	81.5	79.8	79.7	62

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P
<b>1 MASSACHUSETTS</b> .....	2,654.5	2,611.7	2,634.3	(1)	(1)	(1)	80.3	69.5	71.7	647.2	610.7	611.9
2 Boston .....	1,477.9	1,480.9	1,486.3	(1)	(1)	(1)	44.4	40.5	42.2	289.6	281.5	282.0
3 Brockton .....	57.7	56.6	57.0	(1)	(1)	(1)	1.6	1.4	1.5	12.0	11.2	11.1
4 Fall River .....	52.5	51.0	51.5	(1)	(1)	(1)	1.7	1.7	1.9	18.6	18.4	18.5
5 Lawrence—Haverhill .....	114.6	112.2	113.3	(1)	(1)	(1)	3.1	3.0	3.2	43.6	40.2	40.8
6 Lowell .....	81.8	82.0	82.3	(1)	(1)	(1)	2.6	2.2	2.3	30.9	31.5	32.0
7 New Bedford .....	63.9	63.9	64.7	(1)	(1)	(1)	1.5	1.4	1.5	24.2	24.1	24.4
8 Springfield—Chicopee—Holyoke .....	231.7	225.2	226.9	(1)	(1)	(1)	5.8	5.3	5.6	58.5	54.5	54.6
9 Worcester .....	162.2	156.2	156.7	(1)	(1)	(1)	5.2	4.3	4.9	44.4	39.5	39.1
<b>10 MICHIGAN</b> .....	3,229.6	3,149.7	3,183.9	10.8	10.0	10.4	89.7	79.4	87.6	894.0	861.7	868.0
11 Ann Arbor .....	130.3	133.3	127.4	(1)	(1)	(1)	1.9	1.4	1.5	33.3	32.2	30.5
12 Battle Creek .....	59.6	59.8	60.7	(1)	(1)	(1)	1.5	1.8	2.3	18.1	17.6	17.9
13 Bay City .....	32.3	31.1	32.1	(1)	(1)	(1)	.7	.6	.8	8.3	8.2	8.5
14 Benton Harbor .....	56.6	53.6	54.2	(1)	(1)	(1)	2.0	1.7	1.8	19.5	18.4	18.4
15 Detroit .....	1,573.6	1,529.2	1,541.5	1.2	.8	1.0	39.1	35.2	38.0	434.2	415.8	418.8
16 Flint .....	174.4	175.4	180.8	(1)	(1)	(1)	2.9	3.1	3.5	63.3	64.5	67.4
17 Grand Rapids .....	264.5	259.7	263.3	(1)	(1)	(1)	9.5	8.2	9.0	85.5	85.3	85.7
18 Jackson .....	47.9	44.9	45.4	(1)	(1)	(1)	1.1	.8	1.0	12.3	10.7	10.7
19 Kalamazoo—Portage .....	105.5	102.9	102.9	(1)	(1)	(1)	3.2	2.5	3.0	31.9	30.3	30.8
20 Lansing—East Lansing .....	184.4	185.8	189.9	(1)	(1)	(1)	4.2	2.7	3.1	35.3	39.2	39.6
21 Muskegon—Norton Shores—Muskeg. Hts. ....	57.4	54.8	55.9	(1)	(1)	(1)	1.9	1.8	1.9	19.0	17.8	18.2
22 Saginaw .....	75.9	76.8	78.5	(1)	(1)	(1)	1.9	1.6	2.1	23.0	24.2	24.5
<b>23 MINNESOTA</b> .....	1,733.1	1,678.6	1,706.4	12.5	9.2	9.5	60.0	49.0	58.8	346.6	332.5	334.5
24 Duluth—Superior .....	55.0	51.9	52.7	(1)	(1)	(1)	1.5	1.0	1.3	5.8	4.6	4.6
25 Minneapolis—St. Paul .....	1,077.0	1,050.8	1,062.4	(1)	(1)	(1)	36.2	29.9	34.4	236.0	228.6	229.3
26 Rochester .....	50.8	50.7	51.4	(2)	(2)	(2)	1.6	1.1	1.4	10.1	9.7	9.8
27 St. Cloud .....	55.9	55.3	55.9	(1)	(1)	(1)	2.8	2.5	2.8	10.1	10.2	10.2
<b>28 MISSISSIPPI</b> .....	801.1	787.5	790.2	12.5	11.2	10.8	42.1	40.0	40.7	206.1	197.4	200.3
29 Jackson .....	145.5	145.2	145.3	2.2	2.0	2.0	5.8	6.1	6.1	16.7	15.9	16.0
<b>30 MISSOURI</b> .....	1,936.9	1,903.7	1,919.8	7.3	6.9	6.9	75.9	72.1	74.9	412.4	396.8	400.0
31 Kansas City .....	608.7	588.4	597.1	.5	.5	.5	19.6	17.4	18.6	113.1	105.1	108.1
32 St. Joseph .....	37.2	36.5	36.8	(2)	(2)	(2)	1.3	1.0	1.1	9.3	9.1	9.3
33 St. Louis .....	990.0	970.1	976.0	3.2	3.0	3.0	44.7	41.3	43.1	219.3	211.4	211.6
34 Springfield .....	87.6	88.8	88.9	(2)	(2)	(2)	3.3	3.4	3.4	18.5	17.2	17.6
<b>35 MONTANA</b> .....	275.5	267.4	268.2	9.6	7.4	6.9	12.8	9.5	10.6	20.0	19.9	19.8
<b>36 NEBRASKA</b> .....	610.6	587.1	596.7	1.9	1.6	1.8	21.5	18.1	19.9	88.4	80.1	80.9
37 Lincoln .....	96.7	93.2	93.4	(2)	(2)	(2)	2.8	2.2	2.5	12.2	11.3	11.2
38 Omaha .....	259.3	252.3	255.5	(2)	(2)	(2)	8.3	7.3	8.0	32.6	30.8	31.3
<b>39 NEVADA</b> .....	406.1	409.8	412.6	7.0	6.0	6.1	20.9	20.1	21.2	19.0	18.4	18.4
40 Las Vegas .....	225.9	232.6	233.6	.6	.4	.4	12.3	12.3	12.7	6.6	6.7	6.8
41 Reno .....	113.9	113.6	114.7	.7	.6	.6	5.4	4.8	5.4	7.9	7.6	7.6
<b>42 NEW HAMPSHIRE</b> .....	391.8	387.5	393.3	(2)	(2)	(2)	23.1	21.5	23.1	111.9	111.4	112.2
43 Manchester .....	75.1	76.1	77.0	(2)	(2)	(2)	3.1	2.7	3.0	16.4	16.8	17.0
44 Nashua .....	68.0	69.6	70.2	(2)	(2)	(2)	2.7	2.8	2.9	31.5	32.3	32.6
<b>45 NEW JERSEY</b> .....	3,090.8	3,059.0	3,082.9	2.3	2.2	2.2	108.4	100.2	104.1	731.2	702.7	702.8
46 Atlantic City .....	101.1	101.1	103.0	-	-	-	3.9	4.4	4.4	7.4	7.1	7.2
47 Camden <sup>a</sup> .....	345.2	344.2	346.3	.1	.1	.1	12.6	12.2	12.4	69.4	67.1	68.0
48 Hackensack <sup>a</sup> .....	403.1	399.4	400.3	(1)	(1)	(1)	13.8	12.2	12.6	104.6	99.8	99.8
49 Jersey City <sup>a</sup> .....	216.2	210.1	210.5	-	-	-	4.3	3.4	3.4	61.6	57.0	57.4
50 Long Branch—Asbury Park .....	169.9	166.6	170.1	(1)	(1)	(1)	6.4	6.9	7.1	24.3	22.8	23.0
51 New Bruns.—Perth Amboy—Sayreville <sup>a</sup> .....	293.8	289.4	289.0	(1)	(1)	(1)	10.0	9.0	9.1	84.1	77.7	77.8
52 Newark <sup>a</sup> .....	941.5	929.8	933.8	.8	.8	.8	31.0	28.9	29.3	232.2	224.1	224.9
53 Paterson—Clifton—Passaic <sup>a</sup> .....	186.9	188.6	189.0	(1)	(1)	(1)	7.0	7.1	7.2	63.0	62.4	62.7
54 Trenton .....	162.3	161.2	162.0	(1)	(1)	(1)	3.1	2.8	2.9	31.8	29.9	29.9
55 Vineland—Millville—Bridgeton .....	51.6	50.8	48.9	(1)	(1)	(1)	1.6	1.3	1.3	16.2	15.5	13.7
<b>56 NEW MEXICO</b> .....	475.5	474.6	480.0	27.3	20.6	21.1	32.6	33.7	35.1	33.8	32.9	33.1
57 Albuquerque .....	189.8	193.3	194.6	(1)	(1)	(1)	11.5	11.7	12.2	17.7	17.7	17.9
58 Las Cruces .....	31.5	32.0	32.6	-	-	-	1.6	2.0	2.1	2.9	2.9	2.8
<b>59 NEW YORK</b> .....	7,275.8	7,172.2	7,220.6	6.5	6.4	6.5	219.8	203.8	216.8	1,373.1	1,303.0	1,304.7
60 Albany—Schenectady—Troy .....	337.9	332.3	334.0	(1)	(1)	(1)	10.5	9.3	10.3	52.7	50.8	50.5
61 Binghamton .....	117.5	115.1	115.8	(1)	(1)	(1)	3.7	3.4	3.6	43.3	40.9	41.2
62 Buffalo .....	479.2	455.3	459.6	(1)	(1)	(1)	16.2	13.4	14.9	115.7	103.3	103.3

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			
MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	
119.5	116.9	117.7	574.6	563.9	572.4	168.3	169.5	170.9	689.6	706.0	714.6	375.0	375.2	375.1	1
71.2	69.3	69.4	317.6	319.6	321.1	116.8	118.2	119.7	452.1	465.3	465.3	186.2	186.2	186.6	2
3.6	3.7	3.7	15.6	15.4	15.6	2.2	2.2	2.2	11.0	11.0	11.1	11.7	11.7	11.8	3
1.7	1.6	1.7	11.2	10.9	11.0	3.0	2.6	2.6	9.3	8.8	8.9	7.0	7.0	6.9	4
4.7	4.7	4.7	22.3	22.7	22.9	4.2	4.4	4.4	19.9	20.3	20.4	16.8	16.9	16.9	5
3.4	3.3	3.3	16.7	16.6	16.6	2.2	2.2	2.2	13.6	13.9	13.8	12.4	12.3	12.1	6
2.2	2.2	2.1	12.7	12.2	12.5	2.1	2.1	2.2	10.9	11.2	11.4	10.3	10.7	10.6	7
9.2	8.5	8.6	48.1	46.5	46.8	13.6	13.6	13.9	49.5	49.1	50.2	47.0	47.7	47.2	8
7.3	6.9	6.9	34.7	32.7	33.2	10.3	10.1	10.3	36.9	39.6	39.3	23.4	23.1	23.0	9
143.4	136.1	137.1	688.3	670.4	683.2	151.9	149.4	150.7	653.6	654.4	655.4	597.9	588.3	591.7	10
3.2	3.1	3.1	19.9	20.0	20.2	3.8	4.0	4.0	25.7	25.4	25.4	42.5	47.2	42.8	11
2.2	2.2	2.2	10.0	10.0	10.1	4.1	4.1	4.1	11.6	12.2	12.0	12.2	12.1	12.2	12
1.6	1.6	1.6	8.5	8.5	8.8	1.3	1.2	1.2	6.8	6.5	6.5	5.1	4.6	4.7	13
2.0	1.9	1.9	10.8	10.3	10.5	1.9	1.9	1.9	12.0	11.7	11.9	8.4	7.7	7.8	14
75.2	70.4	70.7	348.8	338.4	342.5	88.3	86.6	87.3	350.6	354.6	356.2	236.2	227.4	227.0	15
6.4	6.1	6.0	38.4	37.9	38.9	6.2	6.3	6.3	29.1	29.8	30.1	28.0	27.8	28.6	16
11.2	11.2	11.3	65.2	63.5	64.7	10.9	10.8	10.8	51.6	51.5	51.7	30.5	29.2	30.2	17
5.0	5.0	5.1	9.9	9.3	9.3	1.6	1.5	1.6	9.6	9.5	9.6	8.6	8.0	8.2	18
4.0	3.8	3.8	21.5	21.4	21.6	4.0	3.9	3.9	22.0	21.1	21.0	18.9	19.9	18.8	19
5.2	5.2	5.3	33.3	33.3	35.9	9.4	9.5	9.5	29.9	30.7	31.0	67.2	63.3	65.5	20
3.0	2.9	2.8	11.0	10.9	11.1	1.5	1.5	1.5	11.1	10.8	11.0	9.9	9.2	9.4	21
4.6	4.4	4.4	16.9	16.9	17.4	3.9	3.7	3.7	14.4	14.1	14.5	11.3	11.9	12.0	22
95.9	93.1	94.3	435.2	422.1	430.2	98.4	97.8	97.9	383.6	384.5	389.4	300.9	290.5	291.8	23
5.7	4.8	5.1	14.5	13.8	14.2	2.1	2.0	2.0	13.8	13.7	13.6	11.6	12.0	11.9	24
60.9	59.1	59.8	264.1	258.4	261.7	73.3	73.0	72.8	248.6	249.7	251.5	158.0	152.1	153.0	25
1.9	1.8	1.8	10.2	9.9	10.0	1.5	1.5	1.5	20.2	21.1	21.2	5.4	5.5	5.6	26
3.5	3.3	3.3	15.4	15.4	15.5	1.9	2.0	2.0	10.5	10.3	10.5	11.7	11.7	11.7	27
39.7	38.7	38.6	162.1	161.0	161.8	32.9	33.0	33.0	123.5	124.4	124.2	182.2	181.8	180.7	28
10.1	10.1	10.1	34.7	34.4	34.5	11.5	11.3	11.3	30.5	30.8	30.9	34.1	34.7	34.4	29
132.9	125.6	126.1	462.4	454.7	459.6	108.5	107.3	107.5	405.1	410.9	414.6	332.4	329.4	330.2	30
50.0	47.0	47.8	156.9	152.9	154.6	43.7	43.5	43.6	135.9	131.2	132.7	89.0	90.8	91.2	31
2.3	1.9	1.9	8.7	9.0	9.0	2.1	2.1	2.1	7.5	7.2	7.3	6.1	6.1	6.1	32
69.8	67.8	68.3	228.7	225.7	227.9	58.8	58.4	58.7	225.3	225.9	227.1	140.2	136.6	136.3	33
6.9	7.0	7.0	23.9	24.1	24.4	3.6	3.7	3.7	19.4	21.2	20.6	12.0	12.2	12.2	34
22.3	19.8	19.9	72.5	71.4	72.7	12.9	12.7	12.8	55.9	55.8	54.1	69.6	71.0	71.4	35
44.4	41.5	42.3	158.2	153.2	155.7	41.4	41.3	41.5	124.2	122.2	124.7	130.6	129.1	129.9	36
7.0	6.5	6.5	21.1	20.2	20.2	7.1	7.1	7.1	17.9	18.0	18.0	28.6	27.9	27.9	37
22.9	21.7	22.0	67.1	65.3	65.8	23.7	23.9	24.1	63.4	62.5	63.7	41.2	40.8	40.7	38
25.0	23.9	23.8	80.5	81.3	82.3	18.1	18.1	18.2	176.4	183.0	183.6	59.2	59.0	59.0	39
13.9	13.5	13.4	45.9	46.5	47.1	10.2	10.4	10.4	108.4	115.0	114.9	28.0	27.8	27.9	40
8.3	7.8	7.8	24.3	24.9	25.0	6.2	6.1	6.1	44.3	44.9	45.3	16.8	16.9	16.9	41
14.6	14.8	14.9	87.7	86.4	88.5	20.9	20.9	21.0	77.3	76.0	77.3	56.3	56.5	56.3	42
4.9	5.2	5.2	19.8	20.0	20.2	6.3	6.3	6.4	16.0	16.3	16.4	8.6	8.8	8.8	43
2.1	2.2	2.2	13.1	13.6	13.8	2.1	2.0	2.1	10.9	11.1	11.0	5.6	5.6	5.6	44
191.9	197.6	197.9	697.3	690.8	700.5	166.7	166.4	167.3	662.7	670.1	679.7	530.3	529.0	528.4	45
4.6	4.7	4.8	19.2	18.3	19.3	4.9	4.7	4.8	44.3	45.5	46.0	16.9	16.4	16.5	46
15.2	15.6	15.5	90.2	89.3	90.0	17.0	17.1	17.3	72.7	74.0	74.4	68.0	68.8	68.6	47
21.1	21.2	21.1	119.9	121.3	121.2	19.2	19.5	19.7	80.9	80.9	81.0	43.6	44.5	44.9	48
23.6	24.3	24.1	44.4	43.9	44.1	8.1	8.1	8.2	33.2	33.1	33.1	41.0	40.3	40.2	49
6.6	6.4	6.5	42.5	41.6	43.2	8.0	8.1	8.1	44.8	45.6	47.2	37.3	35.2	35.0	50
23.1	24.4	24.4	70.0	71.2	70.8	13.4	13.9	13.6	45.7	47.9	48.1	47.5	45.3	45.2	51
74.1	74.1	74.6	183.6	181.0	182.5	67.5	67.2	67.3	207.2	210.0	210.9	145.2	143.7	143.5	52
6.5	7.1	7.0	40.5	41.5	41.7	9.7	9.5	9.4	35.0	35.7	35.6	25.3	25.3	25.4	53
5.1	5.2	5.3	25.0	25.3	25.5	7.8	8.0	8.1	42.8	42.3	42.7	46.8	47.7	47.6	54
2.6	2.6	2.5	9.1	9.2	9.0	2.6	2.7	2.7	8.7	8.8	8.8	10.7	10.7	10.9	55
30.2	29.5	29.5	108.9	109.9	111.5	21.7	22.5	22.7	94.8	96.4	97.5	126.2	129.1	129.5	56
12.2	11.6	11.6	48.0	47.9	48.5	10.8	11.3	11.4	47.3	49.4	49.3	42.3	43.7	43.7	57
1.3	1.2	1.2	5.9	6.2	6.3	1.3	1.2	1.2	4.2	4.4	4.2	14.3	14.1	14.8	58
424.5	410.2	413.1	1,455.1	1,443.5	1,461.1	669.1	675.6	677.3	1,818.7	1,840.4	1,845.5	1,309.0	1,289.4	1,295.5	59
15.2	14.0	14.2	67.5	66.1	66.7	16.4	16.3	16.5	75.1	75.9	76.2	100.6	100.0	99.7	60
4.4	4.4	4.4	20.9	20.7	21.0	4.0	3.9	4.0	19.6	19.7	19.8	21.6	22.2	21.8	61
26.3	24.3	24.8	107.5	105.3	106.8	22.6	22.4	22.6	107.0	104.5	103.3	84.0	82.1	83.8	62

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P
<b>NEW YORK—Continued</b>												
1 Elmira	34.7	32.7	33.1	(1)	(1)	(1)	.9	.8	1.0	9.0	7.8	7.8
2 Monroe County <sup>7</sup>	347.5	334.4	336.7	(1)	(1)	(1)	9.4	7.7	8.1	139.8	127.3	127.3
3 Nassau—Suffolk <sup>8</sup>	947.4	946.0	955.1	(1)	(1)	(1)	37.2	36.1	37.2	168.7	167.2	166.9
4 New York—Northeastern New Jersey	6,806.4	6,760.6	6,783.4	2.3	2.4	2.4	208.4	200.4	204.7	1,266.5	1,217.4	1,218.9
5 New York and Nassau—Suffolk <sup>8</sup>	4,765.0	4,743.4	4,760.8	1.9	1.9	1.9	142.3	139.8	143.2	721.0	696.2	696.2
6 New York SMSA <sup>9</sup>	3,817.6	3,797.3	3,805.7	1.7	1.7	1.7	105.1	103.7	106.0	552.3	529.0	529.3
7 New York City <sup>9</sup>	3,361.7	3,348.3	3,354.6	1.4	1.4	1.4	85.4	84.6	85.9	462.5	443.5	443.7
8 Poughkeepsie	103.5	102.7	103.2	(1)	(1)	(1)	2.8	2.4	2.7	34.1	33.9	33.9
9 Rochester	423.9	408.5	411.5	(1)	(1)	(1)	11.5	9.4	10.2	158.5	144.5	144.4
10 Rockland County <sup>9</sup>	83.2	83.0	83.6	(1)	(1)	(1)	2.7	2.5	2.8	15.7	15.7	15.7
11 Syracuse	258.0	257.7	257.4	(1)	(1)	(1)	11.7	11.8	12.9	56.7	54.8	55.1
12 Utica—Rome	113.4	110.3	111.6	(1)	(1)	(1)	2.8	1.8	2.2	28.1	26.7	26.7
13 Westchester County <sup>9</sup>	359.9	353.5	355.0	(1)	(1)	(1)	16.2	15.9	16.5	72.7	68.5	68.6
<b>NORTH CAROLINA</b>	2,348.8	2,338.1	2,346.1	4.8	4.7	4.8	106.1	98.7	101.6	784.0	768.4	774.1
14 Asheville	71.0	70.3	71.2	(1)	(1)	(1)	2.8	2.4	2.6	20.6	20.1	20.3
16 Charlotte—Gastonia	335.9	332.9	334.4	(1)	(1)	(1)	16.6	16.2	16.7	90.2	90.0	90.3
17 Greensboro—Winston-Salem—High Pt.	386.3	380.4	381.0	(1)	(1)	(1)	16.9	15.5	15.8	144.5	140.6	141.3
18 Raleigh—Durham	277.4	280.6	278.2	(1)	(1)	(1)	14.2	13.5	14.7	46.0	45.0	45.0
<b>NORTH DAKOTA</b>	252.2	250.1	256.3	9.4	6.9	7.2	16.3	15.3	19.1	14.3	14.2	14.5
20 Fargo—Moorhead	61.3	61.2	62.1	(2)	(2)	(2)	2.5	1.9	2.3	4.0	4.2	4.2
<b>OHIO</b>	4,180.9	4,076.0	4,114.7	31.3	27.2	27.7	139.2	118.8	126.7	1,116.5	1,069.4	1,075.8
21 Akron	254.3	248.9	251.8	(*)	(*)	(*)	7.1	6.1	6.9	69.7	67.3	67.3
23 Canton	151.2	146.6	148.0	(*)	(*)	(*)	4.8	4.1	4.5	48.8	45.3	45.4
24 Cincinnati	580.7	570.4	574.0	(*)	(*)	(*)	21.0	17.7	18.5	147.5	143.8	143.7
25 Cleveland	854.5	825.8	831.4	(*)	(*)	(*)	24.8	23.3	24.2	227.7	210.8	211.4
26 Columbus	498.3	497.9	501.5	(*)	(*)	(*)	15.2	13.1	14.0	86.2	86.6	86.9
27 Dayton	337.6	334.0	335.7	(*)	(*)	(*)	9.6	8.3	9.0	88.4	85.8	86.5
28 Toledo	286.0	279.8	284.4	(*)	(*)	(*)	11.6	9.6	10.2	69.9	66.2	68.4
29 Youngstown—Warren	185.9	181.0	183.2	(*)	(*)	(*)	5.4	4.5	4.8	55.4	54.3	54.6
<b>OKLAHOMA</b>	1,250.2	1,196.6	1,201.2	113.2	81.9	80.8	57.4	49.9	51.9	190.0	167.6	169.1
30 Enid	28.8	27.8	27.9	3.9	3.2	3.2	1.7	1.8	1.8	2.6	2.2	2.2
32 Lawton	31.9	30.9	31.5	(1)	(1)	(1)	1.3	1.5	1.6	3.2	3.1	3.2
33 Oklahoma City	444.1	446.2	450.9	35.6	30.4	30.6	19.6	19.0	19.6	52.9	51.4	53.6
34 Tulsa	323.7	309.8	310.4	29.2	26.6	26.1	15.5	14.5	14.8	64.0	54.5	54.3
<b>OREGON</b>	965.8	943.9	949.2	1.9	1.2	1.4	29.5	25.6	27.2	182.8	180.1	180.5
36 Eugene—Springfield	92.3	88.6	89.7	(1)	(1)	(1)	2.7	2.1	2.2	16.9	16.6	16.9
37 Medford	-	-	-	-	-	-	-	-	-	6.3	6.8	6.9
38 Portland	526.8	511.2	511.7	(1)	(1)	(1)	17.3	15.1	15.5	99.7	93.2	92.4
39 Salem	80.4	78.6	79.4	(1)	(1)	(1)	2.5	2.5	2.6	10.6	9.8	9.9
<b>PENNSYLVANIA</b>	4,636.4	4,438.7	4,479.5	47.6	40.9	42.0	174.4	146.8	145.5	1,191.1	1,081.5	1,091.8
41 Allentown—Bethlehem—Easton	257.1	242.3	245.7	(1)	(1)	(1)	8.3	6.8	6.7	96.8	85.6	87.7
42 Altoona	48.5	45.1	45.7	(1)	(1)	(1)	1.9	1.7	1.9	12.0	10.9	10.7
43 Delaware Valley <sup>10</sup>	1,560.7	1,538.2	1,541.8	(1)	(1)	(1)	57.6	51.1	48.7	334.0	317.2	316.0
44 Erie	108.9	104.2	104.7	(1)	(1)	(1)	2.8	2.3	2.4	38.4	34.5	34.5
45 Harrisburg	223.2	217.2	219.9	(1)	(1)	(1)	7.6	6.3	6.7	40.0	37.9	38.7
46 Johnstown	80.6	72.1	73.5	7.6	5.6	6.0	2.8	2.2	2.5	15.1	11.8	12.0
47 Lancaster	152.2	148.1	149.1	(1)	(1)	(1)	5.9	5.5	5.7	56.3	53.0	53.8
48 Northeast Pennsylvania	235.8	227.8	231.1	1.0	.7	.8	10.5	10.3	10.8	65.3	61.4	62.0
49 Philadelphia SMSA	1,904.9	1,881.8	1,888.3	(1)	(1)	(1)	70.1	63.3	61.1	403.6	383.9	384.2
50 Philadelphia City <sup>11</sup>	754.8	743.7	745.2	(1)	(1)	(1)	17.8	16.8	15.8	116.5	112.4	111.9
51 Pittsburgh	905.9	845.7	849.8	9.6	7.7	7.8	43.7	38.1	39.3	200.1	167.6	167.3
52 Reading	136.4	133.1	134.2	(1)	(1)	(1)	4.6	4.0	4.2	50.1	48.3	48.9
53 Sharon	43.5	39.6	39.6	(1)	(1)	(1)	1.2	1.0	1.0	13.4	10.6	10.2
54 State College	47.2	45.8	46.2	-	-	-	1.5	1.0	1.2	7.5	7.1	7.2
55 Williamsport	45.3	43.2	43.5	(1)	(1)	(1)	1.1	1.1	1.2	16.1	14.1	14.2
56 York	153.4	146.1	149.1	(1)	(1)	(1)	6.2	5.6	5.7	60.9	56.0	57.7
<b>RHODE ISLAND</b>	392.8	389.3	392.3	(1)	(1)	(1)	11.7	12.2	12.3	116.4	115.6	116.1
57 Providence—Warwick—Pawtucket	395.9	392.7	395.3	(1)	(1)	(1)	11.9	12.3	12.4	128.6	126.8	127.5
<b>SOUTH CAROLINA</b>	1,173.5	1,168.5	1,173.8	1.8	1.7	1.7	65.5	65.2	66.0	363.1	349.0	350.8
60 Charleston—North Charleston	154.8	152.9	153.9	-	-	-	11.3	10.6	10.6	20.3	19.1	19.6
61 Columbia	182.0	181.5	182.2	-	-	-	9.0	9.6	9.7	25.8	25.1	25.4
62 Greenville—Spartanburg	260.6	255.6	256.4	-	-	-	16.6	13.8	14.0	98.3	93.7	93.6

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			
MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	
1.4	1.3	1.3	8.4	8.1	8.2	1.1	1.1	1.1	7.6	7.5	7.5	6.3	6.1	6.2	1
10.6	10.3	10.3	60.6	62.2	62.9	14.4	14.7	14.8	73.2	73.6	74.3	39.5	38.6	38.9	2
42.2	43.0	43.4	242.7	245.4	249.2	53.6	52.8	52.9	227.4	230.0	232.7	175.5	171.5	172.8	3
464.4	461.5	463.2	1,411.5	1,407.0	1,415.4	680.0	686.8	687.1	1,697.1	1,722.2	1,727.3	1,076.2	1,062.9	1,064.4	4
316.0	310.7	312.0	953.3	948.0	955.1	562.1	568.5	568.9	1,294.9	1,314.4	1,318.5	773.5	764.0	765.2	5
273.8	267.7	268.6	710.6	702.6	705.9	508.4	515.7	516.0	1,067.7	1,084.5	1,086.0	598.0	592.5	592.3	6
249.8	244.5	245.2	604.8	598.4	601.2	485.2	492.5	492.8	952.6	968.6	968.9	520.0	514.9	515.5	7
3.0	2.9	2.9	16.9	17.0	17.1	3.0	3.0	3.1	19.8	20.1	20.2	23.9	23.3	23.3	8
13.1	12.8	12.7	77.6	79.3	80.3	16.1	16.2	16.4	86.2	86.5	87.4	61.0	59.8	60.1	9
3.5	3.5	3.5	18.1	17.6	17.8	2.8	2.9	2.8	19.2	19.7	19.7	21.3	21.2	21.4	10
14.4	14.4	14.5	56.8	56.2	56.9	16.8	16.8	17.0	53.6	56.2	53.6	48.0	47.5	47.5	11
3.9	3.9	3.9	22.6	22.3	22.9	5.6	5.5	5.6	21.6	21.8	21.7	28.7	28.3	28.6	12
19.9	19.1	19.4	84.6	83.6	83.9	20.0	19.9	19.9	93.0	93.4	94.5	53.5	53.1	52.3	13
115.6	113.5	114.1	475.2	472.7	476.9	97.4	98.5	98.8	358.8	369.5	367.8	406.9	412.3	408.0	14
3.6	3.5	3.5	15.4	15.4	15.6	2.2	2.3	2.3	14.5	14.7	14.9	11.9	11.9	12.0	15
32.1	31.4	31.4	82.6	80.9	81.3	22.3	21.9	21.8	56.0	56.7	57.2	36.1	35.8	35.7	16
20.5	20.0	20.1	79.0	78.0	78.4	18.3	18.1	18.1	59.5	59.7	59.3	47.6	48.5	48.0	17
13.8	14.3	14.3	53.2	52.7	53.0	15.7	15.2	15.4	62.6	64.0	62.8	71.9	75.9	73.0	18
17.0	16.3	16.4	67.7	66.7	67.8	11.8	11.9	11.9	53.9	56.0	56.0	61.8	62.8	63.3	19
4.0	3.7	3.8	18.1	17.8	18.0	3.7	3.8	3.8	15.4	16.2	16.3	13.6	13.6	13.7	20
209.6	196.0	197.4	939.6	918.9	929.6	205.8	206.7	207.4	862.7	872.5	880.1	676.2	666.6	670.0	21
13.2	12.7	12.8	58.3	58.1	58.8	9.3	9.2	9.2	52.7	51.6	52.8	43.3	43.1	43.4	22
6.5	6.1	6.1	33.8	33.7	34.0	6.4	6.4	6.4	30.7	31.4	31.6	18.8	18.3	18.6	23
32.6	31.1	31.3	139.1	137.5	138.5	32.3	32.2	32.2	125.3	128.2	129.7	82.5	79.5	79.8	24
43.8	41.5	41.6	196.2	190.7	192.8	48.2	47.6	47.7	193.3	195.5	196.6	119.2	115.3	116.1	25
23.5	21.9	22.0	120.1	118.7	119.9	40.7	42.0	42.1	109.4	112.4	113.3	102.7	102.5	102.5	26
13.1	12.0	12.2	72.4	70.5	71.2	13.4	13.5	13.6	72.9	75.9	74.9	67.6	67.6	67.9	27
18.1	17.2	17.3	65.3	63.4	64.1	10.7	10.9	11.0	63.4	65.0	65.6	46.5	47.0	47.2	28
8.4	7.5	7.8	44.2	42.2	42.7	7.1	7.2	7.2	39.4	40.4	40.8	25.1	23.8	24.2	29
72.4	68.3	68.0	295.2	292.8	296.4	60.9	63.4	63.4	218.7	226.4	226.6	242.4	246.3	245.0	30
2.8	2.8	2.8	7.8	7.6	7.7	1.2	1.2	1.2	5.0	5.1	5.1	3.8	3.9	3.9	31
1.4	1.4	1.5	7.7	7.4	7.5	1.3	1.4	1.5	5.6	5.4	5.5	11.4	10.7	10.7	32
24.8	24.7	24.9	109.8	113.0	114.1	27.1	28.1	28.2	81.5	86.1	86.3	92.8	93.5	93.6	33
23.0	22.9	23.1	73.5	72.1	72.1	16.2	16.2	16.3	67.4	68.9	69.2	34.9	34.1	34.5	34
56.7	55.3	55.4	237.3	235.2	237.0	65.5	63.2	63.5	188.6	185.9	185.9	203.5	197.4	198.3	35
4.7	4.7	4.8	22.7	21.6	21.9	4.6	4.3	4.4	18.6	18.4	18.5	22.1	20.9	21.0	36
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37
35.8	34.6	34.6	135.5	134.1	134.8	44.2	42.8	42.9	110.7	109.0	108.9	83.6	82.4	82.6	38
2.7	2.6	2.5	17.9	17.6	17.9	5.4	5.5	5.5	14.9	14.6	14.7	26.4	26.0	26.3	39
252.0	240.9	245.0	977.6	950.7	963.6	239.6	237.8	239.6	1,054.0	1,061.0	1,066.3	700.1	679.1	685.7	40
13.4	13.0	13.0	51.6	49.3	49.5	9.5	9.5	9.6	48.8	49.5	50.4	28.7	28.6	28.8	41
6.2	5.2	5.2	10.5	10.0	10.1	1.5	1.4	1.5	9.1	9.1	9.3	7.3	6.8	7.0	42
79.8	76.3	76.6	328.9	331.9	334.0	110.0	110.0	110.2	421.7	427.6	429.4	228.7	224.1	226.9	43
4.6	4.4	4.5	21.7	20.9	21.0	4.8	4.8	4.8	23.6	24.9	25.0	13.0	12.4	12.5	44
16.4	15.5	15.2	45.7	45.1	45.3	12.9	12.9	13.2	43.1	42.9	44.0	57.5	56.6	56.8	45
5.1	4.8	4.8	15.5	14.5	14.8	3.9	3.8	3.9	16.5	16.5	16.7	14.1	12.9	12.8	46
6.5	6.3	6.4	35.1	34.8	35.0	5.6	5.5	5.5	28.1	28.5	28.1	14.7	14.5	14.6	47
12.9	12.4	12.4	49.3	48.0	49.0	10.0	10.1	10.3	49.5	49.1	49.5	37.3	35.8	36.3	48
95.2	91.9	92.1	419.1	421.1	424.1	127.0	127.1	127.4	493.6	501.7	503.8	296.3	292.8	295.6	49
49.6	47.3	47.5	138.2	137.3	138.1	65.3	64.9	64.8	226.4	226.9	226.7	141.0	138.1	140.4	50
53.1	48.1	49.0	207.3	199.5	200.4	47.0	46.3	46.9	230.8	230.5	231.0	114.3	107.9	108.1	51
6.4	6.3	6.3	27.6	27.0	27.0	6.3	6.0	6.0	24.6	24.5	24.7	16.8	17.0	17.1	52
3.0	2.6	2.7	9.2	9.1	9.3	1.4	1.4	1.4	9.9	9.7	9.8	5.4	5.2	5.2	53
1.1	1.2	1.1	8.6	8.5	8.5	1.4	1.4	1.4	6.4	6.3	6.3	20.3	20.0	20.2	54
2.2	2.2	2.2	9.1	9.1	9.1	2.1	2.1	2.2	8.3	8.4	8.4	6.4	6.2	6.2	55
7.2	6.8	6.9	33.0	33.1	33.5	4.1	4.0	4.2	23.4	23.0	23.2	18.6	17.6	17.9	56
13.4	13.2	13.3	81.0	78.3	79.5	21.0	21.3	21.3	91.6	91.2	92.2	57.7	57.5	57.6	57
13.3	12.6	12.7	79.2	76.9	78.1	20.8	21.0	20.9	87.1	89.1	89.8	55.0	54.0	53.9	58
54.1	55.5	55.8	233.4	231.4	233.2	49.3	50.8	51.5	172.1	176.9	178.4	234.2	238.0	236.4	59
9.4	9.0	9.1	34.2	34.6	34.9	6.9	7.2	7.2	26.5	27.4	27.6	46.1	45.0	44.9	60
9.7	9.4	9.4	38.0	37.4	37.6	14.3	14.5	14.3	30.6	30.1	30.1	54.3	55.1	55.4	61
9.6	9.0	9.1	53.6	53.0	53.0	10.1	10.4	10.3	37.9	40.0	40.2	34.2	35.4	35.9	62

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P
1 SOUTH DAKOTA .....	233.3	228.6	233.7	2.8	2.8	2.9	8.3	6.9	8.0	25.4	24.5	25.1
2 Sioux Falls .....	54.1	54.6	55.5	(2)	(2)	(2)	2.1	1.9	2.1	7.7	7.9	8.2
3 TENNESSEE .....	1,705.4	1,664.5	1,671.5	9.8	8.5	8.6	73.0	60.7	61.4	468.3	458.8	463.3
4 Chattanooga .....	166.1	163.7	163.4	1.4	1.3	1.3	5.6	6.1	6.6	44.8	42.0	41.9
5 Knoxville .....	208.9	200.4	199.9	1.7	1.4	1.3	9.3	9.0	8.9	49.9	48.4	48.5
6 Memphis .....	350.8	342.5	342.1	.1	.2	.2	12.4	10.9	11.2	55.6	51.4	51.4
7 Nashville—Davidson .....	368.5	363.3	364.5	(1)	(1)	(1)	18.9	18.7	18.7	77.4	75.9	76.9
8 TEXAS .....	6,319.8	6,163.8	6,158.1	315.5	290.6	287.2	423.9	397.7	391.4	1,084.7	997.1	995.3
9 Abilene .....	60.4	60.5	60.4	5.5	5.0	5.0	3.5	3.4	3.5	6.2	6.6	6.6
10 Amarillo .....	74.9	77.9	77.9	(1)	(1)	(1)	3.9	3.0	3.0	10.0	10.7	10.8
11 Austin .....	267.0	271.0	270.1	(1)	(1)	(1)	13.5	14.8	14.7	32.6	33.0	33.1
12 Beaumont—Port Arthur—Orange .....	150.7	145.5	145.3	(1)	(1)	(1)	12.1	10.0	10.1	36.4	34.4	34.3
13 Brownsville—Harlingen—San Benito .....	64.6	58.0	58.0	(1)	(1)	(1)	4.2	3.2	3.2	11.5	8.7	8.7
14 Bryan—College Station .....	44.0	43.8	43.8	1.8	1.6	1.5	2.7	2.7	2.6	3.4	3.1	3.2
15 Corpus Christi .....	137.2	133.8	133.5	9.8	9.2	9.1	12.6	12.4	12.1	16.0	14.7	14.8
16 Dallas—Fort Worth .....	1,537.5	1,561.4	1,566.1	31.7	32.4	32.4	83.8	83.9	83.7	318.8	308.4	309.5
17 El Paso .....	167.9	165.2	165.8	(1)	(1)	(1)	8.0	7.5	7.6	39.5	37.9	38.4
18 Galveston—Texas City .....	71.0	68.3	69.0	(1)	(1)	(1)	4.8	4.8	4.8	11.8	10.5	10.9
19 Houston .....	1,628.7	1,546.4	1,547.3	115.0	104.5	104.3	146.0	133.6	133.7	267.2	228.9	228.2
20 Killeen—Temple .....	59.5	60.8	61.2	(1)	(1)	(1)	3.0	3.4	3.4	7.9	8.0	8.2
21 Laredo .....	35.9	30.4	30.2	(1)	(1)	(1)	2.0	1.6	1.5	2.1	1.7	1.7
22 Longview—Marshall .....	71.5	67.7	67.7	(1)	(1)	(1)	4.8	4.4	4.4	18.5	16.4	16.2
23 Lubbock .....	89.7	88.6	88.8	(1)	(1)	(1)	3.9	3.8	4.0	12.0	10.9	11.1
24 McAllen—Pharr—Edinburg .....	80.6	78.1	77.2	2.0	1.6	1.6	6.0	5.6	5.7	9.6	8.8	8.5
25 Midland .....	53.4	52.0	52.0	13.6	12.7	12.8	4.6	4.4	4.3	4.8	4.2	4.1
26 Odessa .....	62.7	54.7	54.9	9.0	8.0	7.9	6.1	5.2	5.2	9.0	6.1	6.0
27 San Angelo .....	37.3	35.6	35.8	1.1	.7	.7	2.2	2.1	2.1	6.5	5.3	5.3
28 San Antonio .....	421.9	428.3	430.7	3.4	3.3	3.3	26.2	28.1	28.3	51.2	48.6	48.8
29 Sherman—Denison .....	35.0	33.0	33.1	.2	.2	.2	1.5	1.4	1.4	11.9	10.6	10.7
30 Texarkana .....	44.6	45.4	45.7	.2	.2	.2	1.8	2.2	2.3	8.3	8.1	8.0
31 Tyler .....	56.9	55.5	55.4	3.6	3.1	3.0	2.3	2.4	2.4	12.4	10.7	10.7
32 Waco .....	71.7	71.2	71.5	(1)	(1)	(1)	3.6	3.4	3.6	15.5	14.9	15.1
33 Wichita Falls .....	55.6	52.7	52.9	3.9	3.2	3.2	2.1	2.1	2.1	10.7	8.6	8.8
34 UTAH .....	561.1	557.8	559.2	18.8	14.4	13.9	26.9	25.6	26.8	86.2	82.7	83.7
35 Salt Lake City—Ogden .....	397.2	393.6	396.3	6.8	5.8	5.8	17.4	16.4	17.3	60.3	57.7	58.0
36 VERMONT .....	201.7	200.6	202.6	.6	.7	.7	9.8	8.5	10.5	49.3	47.9	48.1
37 Burlington <sup>1</sup> .....	60.8	60.4	60.9	-	-	-	-	-	-	16.1	15.7	15.7
38 Springfield <sup>2</sup> .....	13.7	12.9	13.1	-	-	-	-	-	-	5.3	4.5	4.4
39 VIRGINIA .....	2,133.9	2,131.3	2,149.5	23.9	20.2	20.1	101.9	99.4	103.5	395.9	394.8	396.8
40 Bristol .....	26.9	26.5	26.5	(1)	(1)	(1)	.9	.8	1.0	9.1	8.3	8.1
41 Lynchburg .....	69.4	67.7	68.3	(1)	(1)	(1)	2.4	2.4	2.6	26.8	25.7	25.9
42 Newport News—Hampton .....	150.7	154.5	156.8	(1)	(1)	(1)	6.3	5.9	6.2	35.3	38.2	38.6
43 Norfolk—Virginia Beach—Portsmouth .....	289.7	292.5	296.4	(1)	(1)	(1)	16.2	17.3	18.4	27.3	25.5	25.8
44 Northern Virginia <sup>3</sup> .....	473.0	485.2	490.2	.5	.6	.6	24.2	24.2	25.6	21.7	23.7	23.7
45 Petersburg—Colonial Hgts.—Hopewell .....	44.0	42.9	43.4	(1)	(1)	(1)	1.7	1.9	2.1	9.6	8.0	8.1
46 Richmond .....	323.5	323.1	325.0	.3	.3	.3	16.1	15.0	15.3	55.1	54.9	54.9
47 Roanoke .....	102.2	102.1	103.0	.1	.1	.1	4.8	4.7	5.1	20.0	20.1	20.1
48 WASHINGTON .....	1,577.0	1,575.3	1,580.2	3.2	2.9	2.8	76.7	76.0	77.7	290.3	278.0	276.6
49 WEST VIRGINIA .....	516.4	582.8	587.1	66.7	51.9	51.2	25.8	24.4	28.0	100.6	91.3	91.2
50 Charleston .....	109.9	104.2	104.7	6.4	4.7	4.6	5.3	4.7	5.3	16.2	14.6	14.4
51 Huntington—Ashland .....	99.7	92.8	94.4	1.1	1.0	1.0	4.7	4.4	5.1	22.6	19.1	19.5
52 Parkersburg—Marietta .....	57.3	55.4	55.5	1.5	1.2	1.2	3.1	3.0	3.4	15.4	14.8	14.8
53 Wheeling .....	62.8	58.8	58.3	4.9	3.2	2.7	2.5	2.2	2.6	10.1	8.7	8.4
54 WISCONSIN .....	1,875.1	1,822.6	1,847.9	1.9	1.7	2.1	54.2	41.4	47.5	492.6	466.0	472.2
55 Appleton—Oshkosh .....	121.0	119.6	120.6	(1)	(1)	(1)	4.7	3.5	3.8	42.1	42.0	42.6
56 Eau Claire .....	48.1	47.1	48.0	(1)	(1)	(1)	1.1	.9	1.1	8.7	8.2	9.5
57 Green Bay .....	77.9	76.0	77.4	(1)	(1)	(1)	3.1	2.5	2.4	20.9	19.8	20.6
58 Janesville—Beloit .....	48.3	48.3	48.3	(1)	(1)	(1)	1.1	.9	.8	16.6	15.6	16.8
59 Kenosha .....	40.0	39.6	40.5	(1)	(1)	(1)	1.8	1.2	1.3	14.2	15.3	15.1
60 La Crosse .....	45.5	45.8	46.2	(1)	(1)	(1)	1.3	.8	.9	10.0	9.5	9.8
61 Madison .....	169.6	168.2	169.5	(1)	(1)	(1)	5.4	3.7	4.3	19.1	18.4	18.7
62 Milwaukee .....	634.9	609.7	614.1	(1)	(1)	(1)	15.3	12.1	13.0	173.9	158.9	160.0
63 Racine .....	62.4	58.9	59.9	(1)	(1)	(1)	1.6	1.0	1.2	23.7	21.6	22.2

See footnotes at end of table.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	
12.6	12.4	12.3	62.7	61.0	62.5	11.7	12.0	12.1	52.1	51.6	52.9	57.7	57.4	57.9	1
4.6	4.6	4.6	15.3	15.2	15.2	3.9	4.1	4.2	13.9	14.2	14.3	6.6	6.7	6.9	2
84.7	79.4	80.9	370.9	362.6	361.5	80.5	79.7	80.0	319.0	317.5	318.7	299.2	297.3	297.2	3
7.6	7.2	7.1	35.1	35.4	35.1	10.0	10.7	10.6	29.9	29.4	29.7	31.7	31.6	31.1	4
8.1	7.6	7.6	47.1	44.3	44.4	8.9	8.4	8.3	38.2	36.8	36.7	45.7	44.5	44.2	5
26.4	25.4	25.0	95.3	94.0	94.2	19.2	19.9	20.0	78.3	78.0	78.4	63.5	62.7	61.7	6
19.7	19.1	19.2	86.8	85.3	85.8	25.3	24.9	25.0	78.9	78.2	78.0	61.5	61.2	61.0	7
390.6	376.2	377.1	1,552.5	1,515.8	1,519.4	362.8	371.4	372.1	1,159.3	1,165.7	1,167.0	1,030.5	1,049.3	1,048.6	8
3.3	3.3	3.3	16.3	15.6	15.6	3.0	3.1	3.1	13.3	13.9	13.7	9.3	9.6	9.6	9
6.5	6.5	6.5	21.8	23.6	23.6	4.0	4.1	4.1	16.1	16.9	16.8	12.6	13.1	13.1	10
8.1	7.7	7.6	59.6	61.3	61.2	17.2	17.2	17.2	52.8	54.4	54.1	83.2	82.6	82.2	11
12.4	12.4	12.5	34.3	33.9	33.7	5.8	5.8	5.8	29.2	28.7	28.7	20.5	20.3	20.2	12
3.9	3.4	3.4	18.9	17.0	17.0	3.0	3.0	3.0	10.5	10.6	10.5	12.6	12.1	12.2	13
1.9	2.0	2.1	9.2	8.9	9.0	1.7	1.8	1.8	5.9	6.1	6.0	17.4	17.6	17.6	14
7.8	7.7	7.6	33.3	32.4	32.3	6.4	6.4	6.5	25.0	24.0	24.0	26.3	27.0	27.1	15
96.4	97.2	98.0	412.5	421.0	423.2	117.1	119.4	119.9	294.7	316.0	316.0	182.5	183.1	183.4	16
10.7	10.6	10.5	41.5	39.9	39.9	7.8	7.8	7.8	27.0	27.5	27.5	33.4	34.0	34.1	17
6.5	6.4	6.4	13.3	12.9	12.9	4.5	4.4	4.4	11.6	11.2	11.2	18.5	18.1	18.5	18
113.2	106.6	107.5	386.7	368.5	369.7	99.8	101.4	102.0	326.1	323.6	324.1	174.7	179.3	179.3	19
3.2	3.2	3.2	13.7	13.4	13.5	2.2	2.3	2.3	10.9	11.3	11.4	18.6	19.2	19.2	20
4.1	3.3	3.2	12.7	9.5	9.5	1.4	1.5	1.5	6.7	6.1	6.1	6.9	6.7	6.7	21
3.8	3.8	3.8	17.5	17.1	17.0	2.7	2.8	2.9	16.5	15.5	15.7	7.7	7.7	7.7	22
4.8	4.7	4.6	25.9	25.8	25.9	4.8	5.2	5.2	17.9	17.6	17.5	20.4	20.6	20.5	23
2.8	2.6	2.6	27.3	25.0	24.3	2.9	3.1	3.1	10.3	9.8	9.8	19.7	21.6	21.6	24
3.1	3.1	3.1	11.1	10.9	10.9	3.1	3.4	3.4	8.3	8.7	8.8	4.8	4.6	4.6	25
3.3	2.9	2.9	17.9	14.9	15.1	2.2	2.3	2.3	8.7	8.1	8.3	6.5	7.2	7.2	26
3.7	3.7	3.7	8.8	8.6	8.8	1.5	1.5	1.5	7.1	7.2	7.2	6.4	6.5	6.5	27
18.6	18.5	18.6	108.1	110.0	110.8	28.7	29.2	29.5	90.2	93.3	93.9	95.5	97.3	97.5	28
2.3	2.3	2.4	7.2	7.0	6.9	1.2	1.2	1.2	5.8	5.6	5.6	4.9	4.7	4.7	29
2.2	2.1	2.1	10.6	10.9	11.0	1.6	1.6	1.6	7.4	7.4	7.4	12.5	12.9	13.1	30
2.7	2.8	2.8	14.4	14.6	14.8	3.0	3.2	3.2	11.2	11.1	10.9	7.3	7.6	7.6	31
3.4	3.3	3.3	17.3	17.4	17.4	4.5	4.6	4.6	15.9	15.8	15.6	11.5	11.8	11.9	32
3.0	3.1	3.0	13.5	13.2	13.3	2.5	2.6	2.6	8.9	9.0	9.0	11.0	10.9	10.9	33
35.6	35.3	35.6	131.8	130.7	131.5	26.5	27.0	27.2	105.9	112.3	109.6	129.5	129.7	130.9	34
27.7	27.7	27.8	97.8	95.4	96.1	21.3	22.0	22.2	73.4	76.4	76.5	92.5	92.2	92.6	35
8.6	8.8	8.9	42.5	42.7	43.1	8.4	8.6	8.7	45.5	46.3	46.1	37.0	37.1	36.5	36
2.3	2.4	2.5	12.9	12.7	12.8	-	-	-	13.2	13.5	13.7	-	-	-	37
.6	.6	.6	2.2	2.3	2.4	-	-	-	2.6	2.7	2.7	-	-	-	38
118.3	115.5	116.4	454.9	453.2	458.1	105.3	107.1	108.2	428.3	436.7	440.0	505.6	504.4	506.4	39
1.1	1.1	1.1	6.2	6.5	6.5	.9	1.0	1.0	3.5	3.6	3.6	5.1	5.3	5.3	40
2.8	2.7	2.7	11.8	11.8	11.9	3.3	3.4	3.4	12.0	12.0	12.1	10.3	9.6	9.7	41
5.1	4.9	5.0	30.9	32.1	32.8	4.6	4.4	4.4	29.9	31.3	31.9	38.6	37.7	37.8	42
19.8	20.4	20.6	69.8	70.3	71.5	14.7	14.9	15.1	62.0	63.2	63.8	80.0	80.9	81.2	43
33.1	33.3	33.7	108.6	111.1	112.4	28.9	29.6	30.2	133.9	137.9	138.6	122.1	124.8	125.5	44
1.3	1.1	1.1	8.3	8.2	8.3	1.1	1.2	1.2	6.9	7.5	7.5	14.9	14.9	15.1	45
19.7	19.1	19.2	76.4	75.8	76.7	27.0	26.9	27.0	59.8	61.3	61.8	69.1	69.7	69.8	46
9.7	9.2	9.2	24.9	24.9	24.9	6.0	6.0	6.0	21.7	22.0	22.3	15.0	15.1	15.3	47
89.1	88.7	88.6	384.7	386.4	389.9	90.8	91.2	91.3	316.4	326.1	325.8	325.8	326.0	327.5	48
42.2	38.4	38.3	128.3	127.4	126.8	22.1	21.9	22.0	103.8	102.1	102.9	126.7	125.4	126.8	49
9.2	8.6	8.6	26.0	25.3	25.0	5.1	4.8	4.8	21.4	21.4	21.4	20.4	20.0	20.4	50
9.7	7.6	7.6	23.8	23.2	23.3	3.7	3.6	3.6	15.6	15.3	15.5	18.4	18.7	18.8	51
2.3	2.2	2.2	13.1	12.6	12.5	2.0	2.0	2.0	10.3	10.6	10.2	9.4	9.1	9.1	52
3.7	3.5	3.5	14.7	14.5	14.5	2.9	2.8	2.9	14.7	14.6	14.5	9.3	9.2	9.2	53
88.8	84.1	85.1	431.5	421.7	429.0	97.0	97.3	97.7	382.4	385.3	388.0	326.7	325.0	326.3	54
4.4	4.3	4.3	25.5	25.0	25.1	5.7	5.8	5.8	21.9	22.2	22.3	16.8	16.7	16.7	55
2.6	2.5	2.6	13.0	13.0	13.3	1.7	1.7	1.7	9.7	9.8	9.8	11.2	10.9	11.0	56
6.1	5.8	6.2	19.4	19.8	19.9	2.5	2.6	2.6	15.6	16.0	16.0	10.2	9.5	9.8	57
2.5	2.6	2.7	11.0	10.7	10.8	1.4	1.4	1.4	9.0	9.1	9.2	7.3	7.2	7.2	58
1.2	1.1	1.2	8.1	7.6	7.6	1.0	1.0	1.0	7.8	7.3	7.4	6.0	6.1	6.0	59
2.0	1.9	1.8	12.0	12.0	12.2	1.2	1.2	1.2	11.6	12.5	12.6	7.5	7.9	7.7	60
6.4	6.2	6.2	36.7	36.8	37.2	13.8	13.5	13.6	33.4	34.6	34.6	54.7	55.0	54.9	61
33.1	31.6	31.5	139.0	135.9	137.3	41.0	40.7	40.7	147.6	148.8	149.5	85.0	81.7	82.0	62
2.4	2.4	2.4	12.8	12.3	12.5	2.3	2.2	2.2	11.1	11.0	11.1	8.6	8.3	8.3	63

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P
1 WYOMING .....	221.8	206.7	210.8	37.4	35.1	34.8	18.5	17.9	21.4	9.0	8.8	8.8
2 PUERTO RICO .....	648.8	625.8	627.9	.8	.7	.7	26.2	19.2	19.2	144.6	143.2	143.3
3 Caguas .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
4 Mayaguez .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
5 Ponce .....	(*)	(*)	(*)	(*)	(*)	(*)	1.8	2.6	2.8	(*)	(*)	(*)
6 San Juan .....	(*)	(*)	(*)	(1)	(1)	(1)	19.2	12.9	12.8	(*)	(*)	(*)
7 VIRGIN ISLANDS .....	35.8	36.0	35.7	(2)	(2)	(2)	3.0	2.6	2.6	2.7	2.2	2.3

# 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			
MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	
18.2	16.3	15.9	50.4	45.0	44.8	7.7	7.6	7.6	35.3	29.2	30.1	45.3	46.8	47.4	1
14.0	13.8	13.3	109.0	100.7	103.4	28.8	29.3	29.2	84.8	83.6	83.2	240.6	235.4	235.6	2
(*)	(*)	(*)	5.1	5.0	5.3	(*)	(*)	(*)	(*)	(*)	(*)	9.1	9.4	9.4	3
(*)	(*)	(*)	5.0	4.7	4.8	(*)	(*)	(*)	(*)	(*)	(*)	12.8	12.8	12.8	4
(*)	(*)	(*)	7.3	6.8	7.2	(*)	(*)	(*)	7.2	6.9	6.9	16.2	16.3	16.2	5
10.9	11.0	10.3	69.3	64.0	65.3	22.2	22.7	22.6	57.7	57.2	56.9	125.0	121.8	122.1	6
2.2	2.2	2.2	7.3	7.2	6.9	1.5	1.5	1.5	5.9	6.2	6.1	13.2	14.1	14.1	7

<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 of Baltimore Standard Metropolitan Statistical Area.  
<sup>5</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.  
<sup>6</sup> Subarea of New York—Northeastern New Jersey.  
<sup>7</sup> Subarea of Rochester Standard Metropolitan Statistical Area.  
<sup>8</sup> Area included in New York and Nassau—Suffolk combined SMSA's.  
<sup>9</sup> Subarea of New York Standard Metropolitan Statistical Area.  
<sup>10</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

<sup>11</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.  
<sup>12</sup> Total includes data for industry divisions not shown separately.  
<sup>13</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.

NOTE: All State and area data have been adjusted to March 1982 benchmarks except Alaska and Wisconsin.

SOURCE: Cooperating State agencies listed on inside back cover.



# 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				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
-	<b>TOTAL PRIVATE</b> .....	\$265.87	\$267.40	\$275.52	\$278.95	\$281.34	\$7.64	\$7.64	\$7.94	\$7.97	\$7.97
-	<b>MINING</b> .....	455.90	461.38	469.25	470.82	486.06	10.63	10.78	11.28	11.21	11.33
10	<b>METAL MINING</b> .....	486.68	491.20	496.66	503.00	-	12.29	12.28	12.67	12.67	-
101	Iron ores .....	516.90	547.37	470.47	465.28	-	13.22	12.70	12.22	12.18	-
102	Copper ores .....	470.76	463.23	520.90	525.60	-	12.04	12.32	12.99	13.01	-
11, 12	<b>COAL MINING</b> .....	496.90	510.80	529.37	528.91	-	12.33	12.77	13.47	13.39	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	496.11	512.40	532.29	531.83	-	12.36	12.81	13.51	13.43	-
13	<b>OIL AND GAS EXTRACTION</b> .....	445.15	452.47	460.31	459.89	-	10.14	10.26	10.78	10.72	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	473.80	480.46	517.83	519.09	-	11.67	11.69	12.30	12.33	-
138	Oil and gas field services .....	436.05	443.41	433.44	432.57	-	9.69	9.81	10.08	9.99	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	377.56	383.67	383.66	392.30	-	8.76	8.82	9.07	9.06	-
142	Crushed and broken stone .....	372.34	378.79	365.93	381.02	-	8.54	8.57	8.51	8.64	-
-	<b>CONSTRUCTION</b> .....	431.63	430.13	436.73	442.50	445.36	11.51	11.47	11.90	11.80	11.72
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	380.21	381.62	387.32	388.61	-	10.36	10.37	10.67	10.56	-
152	Residential building construction .....	350.99	350.85	346.84	355.15	-	9.59	9.56	9.77	9.73	-
153	Operative builders .....	316.99	308.07	336.80	330.79	-	8.32	8.15	8.42	8.46	-
164	Nonresidential building construction .....	406.26	412.54	426.82	425.87	-	11.10	11.18	11.63	11.51	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	467.16	465.35	472.03	478.63	-	11.45	11.35	11.86	11.76	-
161	Highway and street construction .....	401.53	423.53	390.34	421.17	-	5.89	10.06	9.71	10.10	-
162	Heavy construction, except highway .....	494.87	482.76	500.15	502.50	-	12.07	11.92	12.63	12.50	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	440.19	436.69	443.93	451.87	-	12.06	12.03	12.47	12.38	-
171	Plumbing, heating, air conditioning .....	453.47	449.55	462.36	468.49	-	12.19	12.15	12.53	12.56	-
172	Painting, paper hanging, decorating .....	391.65	386.98	390.54	394.10	-	11.19	11.12	11.32	11.26	-
173	Electrical work .....	514.52	522.45	520.50	531.22	-	13.54	13.57	13.88	13.87	-
174	Masonry, stonework, and plastering .....	406.81	408.33	413.48	431.20	-	11.69	11.87	12.09	12.25	-
175	Carpentering and flooring .....	376.88	375.86	411.24	422.32	-	11.02	11.12	11.92	11.93	-
178	Roofing and sheet metal work .....	356.35	350.78	338.21	366.16	-	10.45	10.44	10.91	10.93	-
-	<b>MANUFACTURING</b> .....	329.94	334.05	349.05	350.32	355.04	8.46	8.50	8.77	8.78	8.81
24, 25, 32-39	<b>DURABLE GOODS</b> .....	356.29	360.99	375.19	376.93	381.36	9.02	9.07	9.31	9.33	9.37
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	294.14	297.99	313.97	315.58	318.38	7.66	7.70	8.03	8.03	8.04
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	283.36	295.57	308.05	311.55	318.68	7.36	7.54	7.74	7.75	7.83
241	Logging camps and logging contractors .....	375.06	406.50	400.38	401.00	-	9.87	10.37	10.24	10.05	-
242	Sawmills and planing mills .....	296.43	309.23	324.01	330.08	-	7.64	7.75	8.08	8.11	-
2421	Sawmills and planing mills, general .....	312.76	327.22	342.91	349.29	-	8.04	8.16	8.53	8.54	-
2426	Hardwood dimension and flooring .....	205.11	206.17	219.45	220.49	-	5.30	5.30	5.50	5.54	-
243	Millwork, plywood, and structural members .....	276.31	287.39	308.74	309.06	-	7.21	7.35	7.68	7.65	-
2431	Millwork .....	289.30	301.10	313.16	314.34	-	7.38	7.49	7.79	7.80	-
2434	Wood kitchen cabinets .....	253.88	251.17	274.72	273.64	-	6.77	6.68	6.92	6.91	-
2435	Hardwood veneer and plywood .....	216.78	220.80	239.34	242.57	-	5.75	5.75	6.09	6.11	-
2436	Softwood veneer and plywood .....	336.08	356.18	385.95	387.32	-	8.53	9.04	9.30	9.20	-
244	Wood containers .....	211.25	213.50	211.48	218.27	-	5.53	5.56	5.58	5.64	-
245	Wood buildings and mobile homes .....	251.25	249.16	265.88	271.17	-	6.70	6.68	6.80	6.90	-
2451	Mobile homes .....	253.27	249.48	276.34	278.70	-	6.63	6.60	6.84	6.95	-
249	Miscellaneous wood products .....	242.35	246.57	261.20	265.58	-	6.23	6.29	6.53	6.59	-
25	<b>FURNITURE AND FIXTURES</b> .....	230.76	237.76	253.89	253.89	261.49	6.22	6.29	6.51	6.51	6.57
251	Household furniture .....	209.30	215.18	233.58	233.96	-	5.75	5.80	6.02	6.03	-
2511	Wood household furniture .....	190.80	194.71	211.97	215.12	-	5.30	5.32	5.52	5.53	-
2512	Upholstered household furniture .....	249.56	228.02	288.71	245.63	-	6.15	6.23	6.46	6.43	-
2514	Metal household furniture .....	234.69	238.23	250.92	251.83	-	6.08	6.14	6.15	6.28	-
2515	Mattresses and bedspreads .....	233.68	242.79	269.10	269.01	-	6.35	6.44	6.90	6.88	-
252	Office furniture .....	257.36	261.97	275.66	275.01	-	6.72	6.70	7.05	6.98	-
253	Public building and related furniture .....	277.80	285.82	285.91	286.48	-	6.96	7.11	7.22	7.18	-
254	Partitions and fixtures .....	287.66	298.36	311.85	313.43	-	7.57	7.67	8.10	8.12	-
259	Miscellaneous furniture and fixtures .....	264.42	272.55	292.94	290.09	-	6.78	6.90	7.16	7.11	-

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				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
-	<b>TOTAL PRIVATE</b> .....	34.8	35.0	34.7	35.0	35.3	-	-	-	-	-
-	<b>MINING</b> .....	42.7	42.8	41.6	42.0	42.9	-	-	-	-	-
10	<b>METAL MINING</b> .....	39.6	40.0	39.2	39.7	-	-	-	-	-	-
101	Iron ores .....	39.7	43.1	38.5	38.2	-	-	-	-	-	-
102	Copper ores .....	39.1	37.6	40.1	40.4	-	-	-	-	-	-
11, 12	<b>COAL MINING</b> .....	40.3	40.0	39.3	39.5	-	-	-	-	-	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	40.3	40.0	39.4	39.6	-	-	-	-	-	-
13	<b>OIL AND GAS EXTRACTION</b> .....	43.9	44.1	42.7	42.9	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	40.6	41.1	42.1	42.1	-	-	-	-	-	-
138	Oil and gas field services .....	45.0	45.2	43.0	43.3	-	-	-	-	-	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	43.1	43.5	42.3	43.3	-	-	-	-	-	-
142	Crushed and broken stone .....	43.6	44.2	43.0	44.1	-	-	-	-	-	-
-	<b>CONSTRUCTION</b> .....	37.5	37.5	36.7	37.5	38.0	-	-	-	-	-
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	36.7	36.8	36.3	36.8	-	-	-	-	-	-
152	Residential building construction .....	36.6	36.7	35.5	36.5	-	-	-	-	-	-
153	Operative builders .....	38.1	37.8	40.0	39.1	-	-	-	-	-	-
154	Nonresidential building construction .....	36.6	36.9	36.7	37.0	-	-	-	-	-	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	40.8	41.0	39.8	40.7	-	-	-	-	-	-
161	Highway and street construction .....	40.6	42.1	40.2	41.7	-	-	-	-	-	-
162	Heavy construction, except highway .....	41.0	40.5	39.6	40.2	-	-	-	-	-	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	36.5	36.3	35.6	36.5	-	-	-	-	-	-
171	Plumbing, heating, air conditioning .....	37.2	37.0	36.9	37.3	-	-	-	-	-	-
172	Painting, paper hanging, decorating .....	35.0	34.8	34.5	35.0	-	-	-	-	-	-
173	Electrical work .....	38.0	38.5	37.5	38.3	-	-	-	-	-	-
174	Masonry, stonework, and plastering .....	34.8	34.4	34.2	35.2	-	-	-	-	-	-
175	Carpentering and flooring .....	34.2	33.8	34.5	35.4	-	-	-	-	-	-
176	Roofing and sheet metal work .....	34.1	33.6	31.0	33.5	-	-	-	-	-	-
-	<b>MANUFACTURING</b> .....	39.0	39.3	39.8	39.9	40.3	2.2	2.4	2.7	2.7	2.9
24, 25, 32-39	<b>DURABLE GOODS</b> .....	39.5	39.8	40.3	40.4	40.7	2.2	2.3	2.6	2.6	2.9
20-23, 28-31	<b>NONDURABLE GOODS</b> .....	38.4	38.7	39.1	39.3	39.6	2.4	2.5	2.7	2.8	2.9
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	38.5	39.2	39.8	40.2	40.7	2.3	2.6	2.9	3.1	-
241	Logging camps and logging contractors .....	38.0	39.2	39.1	39.9	-	2.8	3.2	3.3	3.5	-
242	Sawmills and planing mills .....	38.6	39.9	40.1	40.7	-	2.9	3.1	3.3	3.4	-
2421	Sawmills and planing mills, general .....	38.9	40.1	40.2	40.9	-	3.2	3.3	3.4	3.6	-
2426	Hardwood dimension and flooring .....	38.7	38.9	39.9	39.8	-	1.7	2.1	2.8	2.7	-
243	Millwork, plywood, and structural members .....	38.6	39.1	40.2	40.4	-	1.8	2.3	2.8	3.0	-
2431	Millwork .....	39.2	40.2	40.2	40.3	-	1.4	2.1	2.1	2.3	-
2434	Wood kitchen cabinets .....	37.5	37.6	39.7	39.6	-	1.2	2.1	2.7	2.6	-
2435	Hardwood veneer and plywood .....	37.7	38.4	39.3	39.7	-	2.1	2.2	2.8	3.2	-
2436	Softwood veneer and plywood .....	39.4	39.4	41.5	42.1	-	2.7	3.0	4.0	4.2	-
244	Wood containers .....	38.2	38.4	37.9	38.7	-	2.0	1.9	1.6	2.1	-
245	Wood buildings and mobile homes .....	37.5	37.3	39.1	39.3	-	1.6	1.6	2.6	2.9	-
2451	Mobile homes .....	38.2	37.8	40.4	40.1	-	1.7	1.7	2.9	3.1	-
249	Miscellaneous wood products .....	38.9	39.2	40.0	40.3	-	2.0	2.1	2.4	2.6	-
25	<b>FURNITURE AND FIXTURES</b> .....	37.1	37.8	39.0	39.0	39.8	1.3	1.5	2.0	2.0	-
251	Household furniture .....	36.4	37.1	38.8	38.8	-	1.1	1.2	2.0	1.9	-
2511	Wood household furniture .....	36.0	36.6	38.4	38.9	-	1.2	1.3	1.9	2.0	-
2512	Upholstered household furniture .....	35.7	36.6	38.5	38.2	-	.6	.8	1.4	1.3	-
2514	Metal household furniture .....	38.6	38.8	40.8	40.1	-	2.2	1.9	2.9	2.7	-
2515	Mattresses and bedsprings .....	36.8	37.7	39.0	39.1	-	1.2	1.5	2.5	2.0	-
252	Office furniture .....	38.3	39.1	39.1	39.4	-	1.9	2.0	2.0	2.4	-
253	Public building and related furniture .....	39.8	40.2	39.6	39.9	-	1.5	2.4	2.8	2.8	-
254	Partitions and fixtures .....	38.0	38.9	38.5	38.6	-	1.6	2.2	2.2	2.2	-
259	Miscellaneous furniture and fixtures .....	39.0	39.5	40.8	40.8	-	1.6	1.9	2.0	2.1	-

See footnotes at end of table.



# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	\$354.24	\$361.08	\$374.64	\$381.29	\$390.18	\$8.79	\$8.85	\$9.16	\$9.21	\$9.29
321	Flat glass	500.26	529.69	517.44	507.37	-	11.58	11.93	11.95	11.91	-
322	Glass and glassware, pressed or blown	380.03	384.20	401.94	404.15	-	9.43	9.51	9.90	9.93	-
3221	Glass containers	408.70	406.96	421.02	424.54	-	9.92	9.95	10.37	10.38	-
3229	Pressed and blown glass, nec	337.26	350.95	375.96	377.87	-	8.67	8.84	9.26	9.33	-
323	Products of purchased glass	319.20	319.97	327.55	330.42	-	7.96	7.92	8.23	8.24	-
324	Cement, hydraulic	513.36	513.76	520.29	546.56	-	12.43	12.47	12.69	13.17	-
325	Structural clay products	290.32	283.86	304.79	308.35	-	7.24	7.15	7.38	7.43	-
326	Pottery and related products	282.17	287.08	300.69	302.25	-	7.31	7.38	7.71	7.79	-
327	Concrete, gypsum, and plaster products	350.96	362.88	370.66	379.06	-	8.56	8.64	8.91	8.94	-
3271	Concrete block and brick	324.78	334.71	341.88	351.53	-	7.66	7.73	7.77	7.76	-
3272	Concrete products, nec	318.66	327.33	324.90	330.49	-	7.66	7.72	7.81	7.85	-
3273	Ready-mixed concrete	376.40	390.99	399.15	410.75	-	9.41	9.49	9.88	9.85	-
329	Misc. nonmetallic mineral products	339.37	343.08	371.87	376.24	-	8.57	8.62	9.07	9.11	-
3291	Abrasive products	323.47	324.14	357.69	365.40	-	8.49	8.53	8.92	9.00	-
3292	Asbestos products	339.99	344.04	392.28	392.16	-	8.74	8.89	9.23	9.12	-
33	<b>PRIMARY METAL INDUSTRIES</b>	429.73	439.57	451.13	451.20	456.12	11.22	11.30	11.25	11.28	11.29
331	Blast furnace and basic steel products	490.87	506.33	500.58	496.25	-	13.16	13.22	12.77	12.79	-
3312	Blast furnaces and steel mills	507.36	524.40	512.94	509.57	-	13.75	13.80	13.22	13.27	-
3317	Steel pipe and tubes	409.93	420.00	447.53	421.78	-	10.62	10.66	10.81	10.44	-
332	Iron and steel foundries	347.80	361.34	380.42	389.08	-	9.40	9.61	9.83	9.85	-
3321	Gray iron foundries	353.72	364.72	387.39	401.18	-	9.56	9.70	10.01	10.08	-
3322	Malleable iron foundries	387.28	381.02	415.28	412.65	-	10.30	10.27	10.54	10.50	-
3325	Steel foundries, nec	330.30	350.25	361.00	357.93	-	9.00	9.39	9.50	9.37	-
333	Primary nonferrous metals	514.70	524.48	549.61	555.55	-	12.74	12.95	13.34	13.55	-
3334	Primary aluminum	547.29	555.66	573.83	588.55	-	13.48	13.72	14.03	14.32	-
335	Nonferrous rolling and drawing	410.25	414.12	451.56	454.26	-	10.18	10.20	10.65	10.79	-
3351	Copper rolling and drawing	354.12	356.21	397.25	394.15	-	8.92	8.95	9.26	9.34	-
3353	Aluminum sheet, plate, and foil	562.66	555.67	589.53	615.14	-	13.69	13.52	13.97	14.44	-
3357	Nonferrous wire drawing and insulating	369.72	378.92	413.40	409.86	-	9.22	9.31	9.89	9.90	-
336	Nonferrous foundries	332.09	337.39	360.12	360.20	-	8.45	8.52	8.87	8.85	-
3361	Aluminum foundries	339.95	349.67	372.19	372.78	-	8.65	8.72	9.10	9.07	-
34	<b>FABRICATED METAL PRODUCTS</b>	345.93	349.27	364.61	367.24	370.78	8.78	8.82	9.07	9.09	9.11
341	Metal cans and shipping containers	502.12	515.79	508.57	522.45	-	11.65	11.83	12.08	12.15	-
3411	Metal cans	524.36	541.20	532.99	548.66	-	12.11	12.30	12.66	12.73	-
342	Cutlery, hand tools, and hardware	324.17	327.79	351.20	354.00	-	8.42	8.47	8.78	8.85	-
3423, 5	Hand and edge tools, and hand saws and blades	295.16	293.25	318.27	319.84	-	7.85	7.82	8.14	8.18	-
3429	Hardware, nec	346.71	350.84	368.34	370.64	-	8.89	8.95	9.24	9.22	-
343	Plumbing and heating, except electric	296.80	302.24	320.39	318.39	-	7.79	7.83	8.05	8.02	-
3432	Plumbing fittings and brass goods	286.50	285.64	311.12	305.63	-	7.50	7.40	7.72	7.66	-
3433	Heating equipment, except electric	299.52	308.44	313.15	312.76	-	7.80	7.97	8.05	8.04	-
344	Fabricated structural metal products	335.62	338.58	344.66	344.52	-	8.54	8.55	8.77	8.70	-
3441	Fabricated structural metal	356.40	356.98	359.85	360.08	-	8.91	8.88	9.11	9.07	-
3442	Metal doors, sash, and trim	265.67	264.88	268.02	270.47	-	6.76	6.74	6.89	6.83	-
3443	Fabricated plate work (boiler shops)	372.72	381.20	387.69	389.66	-	9.46	9.53	9.89	9.84	-
3444	Sheet metal work	335.34	340.28	351.90	352.24	-	8.71	8.77	9.00	8.94	-
3446	Architectural metal work	316.74	314.73	359.07	355.37	-	8.08	8.07	8.91	8.84	-
345	Screw machine products, bolts, etc.	315.90	319.06	336.00	340.54	-	8.10	8.16	8.40	8.45	-
3451	Screw machine products	291.36	290.66	304.97	309.26	-	7.49	7.53	7.76	7.79	-
3452	Bolts, nuts, rivets, and washers	340.17	346.90	367.20	371.37	-	8.70	8.76	9.00	9.08	-
346	Metal forgings and stampings	403.01	407.03	436.18	443.10	-	10.05	10.10	10.46	10.50	-
3462	Iron and steel forgings	419.43	426.02	445.22	458.54	-	10.81	10.98	11.30	11.35	-
3465	Automotive stampings	497.78	500.65	546.56	553.05	-	11.74	11.78	12.31	12.29	-
3469	Metal stampings, nec	301.82	303.80	325.19	327.20	-	7.86	7.85	8.15	8.18	-
347	Metal services, nec	270.82	269.66	286.22	284.97	-	6.98	6.95	7.12	7.16	-
3471	Plating and polishing	265.87	265.30	279.20	277.99	-	6.87	6.82	6.98	7.02	-
3479	Metal coating and allied services	281.64	280.28	303.28	304.97	-	7.24	7.28	7.47	7.53	-
348	Ordnance and accessories, nec	360.53	358.90	379.85	379.20	-	8.88	8.95	9.31	9.34	-
3483	Ammunition, exc. for small arms, nec	329.07	334.36	360.14	359.45	-	8.14	8.38	8.72	8.81	-
349	Misc. fabricated metal products	319.22	320.82	332.54	336.66	-	8.27	8.29	8.44	8.48	-
3494	Valves and pipe fittings	337.75	337.42	341.38	347.27	-	8.75	8.81	8.96	9.02	-
3496	Misc. fabricated wire products	274.45	277.22	296.51	297.26	-	7.11	7.09	7.45	7.45	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	368.02	367.88	379.20	382.24	386.16	9.27	9.29	9.48	9.58	9.63
351	Engines and turbines	435.34	438.40	457.45	465.31	-	11.22	11.27	11.64	11.81	-
3511	Turbines and turbine generator sets	418.08	419.69	444.43	434.60	-	10.40	10.44	11.28	11.23	-
3519	Internal combustion engines, nec	443.50	447.73	465.31	481.18	-	11.61	11.69	11.84	12.09	-
352	Farm and garden machinery	413.17	416.85	415.53	407.95	-	10.46	10.58	10.26	10.25	-
3523	Farm machinery and equipment	433.92	432.61	438.75	428.93	-	10.93	10.98	10.78	10.75	-
353	Construction and related machinery	401.98	387.00	397.98	404.56	-	10.10	10.00	10.05	10.40	-

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				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	40.3	40.8	40.9	41.4	42.0	3.5	3.7	3.7	3.9	-
321	Flat glass	43.2	44.4	43.3	42.6	-	4.1	4.7	4.2	4.1	-
322	Glass and glassware, pressed or blown	40.3	40.4	40.6	40.7	-	4.0	3.9	3.7	3.8	-
3221	Glass containers	41.2	40.9	40.6	40.9	-	4.8	4.5	4.5	4.6	-
3229	Pressed and blown glass, nec	38.9	39.7	40.6	40.5	-	2.7	3.0	2.7	2.7	-
323	Products of purchased glass	40.1	40.4	39.8	40.1	-	2.9	2.8	2.4	2.5	-
324	Cement, hydraulic	41.3	41.2	41.0	41.5	-	2.5	2.4	2.5	3.0	-
325	Structural clay products	40.1	39.7	41.3	41.5	-	2.3	2.4	3.2	3.4	-
326	Pottery and related products	38.6	38.9	39.0	38.8	-	1.7	1.6	1.7	1.5	-
327	Concrete, gypsum, and plaster products	41.0	42.0	41.6	42.4	-	4.8	5.3	5.1	5.6	-
3271	Concrete block and brick	42.4	43.3	44.0	45.3	-	4.8	5.3	6.6	7.3	-
3272	Concrete products, nec	41.6	42.4	41.6	42.1	-	4.4	4.8	4.0	4.4	-
3273	Ready-mixed concrete	40.0	41.2	40.4	41.7	-	5.1	5.7	5.1	5.9	-
329	Misc. nonmetallic mineral products	39.6	39.8	41.0	41.3	-	2.4	2.5	2.9	2.9	-
3291	Abrasive products	38.1	38.0	40.1	40.6	-	1.4	1.0	2.3	2.5	-
3292	Asbestos products	38.9	38.7	42.5	43.0	-	1.9	2.0	2.9	2.7	-
33	<b>PRIMARY METAL INDUSTRIES</b>	38.3	38.9	40.1	40.0	40.4	1.9	2.0	2.7	2.7	-
331	Blast furnace and basic steel products	37.3	38.3	39.2	38.8	-	1.2	1.4	1.9	2.0	-
3312	Blast furnaces and steel mills	36.9	38.0	38.8	38.4	-	1.2	1.3	1.8	1.9	-
3317	Steel pipe and tubes	38.6	39.4	41.4	40.4	-	1.7	1.6	3.3	2.7	-
332	Iron and steel foundries	37.0	37.6	38.7	39.5	-	1.9	2.0	2.1	2.2	-
3321	Gray iron foundries	37.0	37.6	38.7	39.8	-	2.2	2.4	2.3	2.5	-
3322	Malleable iron foundries	37.6	37.1	39.4	39.3	-	1.9	2.0	1.9	1.9	-
3325	Steel foundries, nec	36.7	37.3	38.0	38.2	-	1.3	1.3	1.6	1.4	-
333	Primary nonferrous metals	40.4	40.5	41.2	41.0	-	2.5	2.9	2.6	2.7	-
3334	Primary aluminum	40.6	40.5	40.9	41.1	-	3.1	3.6	2.9	3.1	-
335	Nonferrous rolling and drawing	40.3	40.6	42.4	42.1	-	2.9	3.2	4.2	4.1	-
3351	Copper rolling and drawing	39.7	39.8	42.9	42.2	-	2.6	2.7	3.7	3.5	-
3353	Aluminum sheet, plate and foil	41.1	41.1	42.2	42.6	-	4.4	4.5	3.3	5.9	-
3357	Nonferrous wire drawing and insulating	40.1	40.7	41.8	41.4	-	2.7	3.3	3.8	3.4	-
336	Nonferrous foundries	39.3	39.6	40.6	40.7	-	1.9	2.0	3.3	3.2	-
3361	Aluminum foundries	39.3	40.1	40.9	41.1	-	1.9	2.0	3.4	3.3	-
34	<b>FABRICATED METAL PRODUCTS</b>	39.4	39.6	40.2	40.4	40.7	2.1	2.2	2.5	2.6	-
341	Metal cans and shipping containers	43.1	43.6	42.1	43.0	-	4.0	4.6	4.3	4.7	-
3411	Metal cans	43.3	44.0	42.1	43.1	-	4.0	4.6	4.3	4.8	-
342	Cutlery, hand tools, and hardware	38.5	38.7	40.0	40.0	-	1.4	1.4	2.2	2.3	-
3423, 5	Hand and edge tools, and hand saws and blades	57.0	37.5	39.1	39.1	-	1.0	.8	1.4	1.5	-
3429	Hardware, nec	39.0	39.2	40.3	40.2	-	1.6	1.7	2.8	2.8	-
343	Plumbing and heating, except electric	38.1	38.6	39.8	39.7	-	1.2	1.1	1.9	1.7	-
3432	Plumbing fittings and brass goods	36.2	38.6	40.3	39.9	-	1.5	1.1	2.3	2.0	-
3433	Heating equipment, except electric	38.4	38.7	38.9	38.9	-	.9	1.1	1.0	.8	-
344	Fabricated structural metal products	39.3	39.6	39.3	39.6	-	2.0	2.2	2.0	2.1	-
3441	Fabricated structural metal	40.0	40.2	39.5	39.7	-	2.4	2.6	2.3	2.3	-
3442	Metal doors, sash, and trim	39.3	39.3	38.9	39.6	-	1.9	2.3	2.0	2.0	-
3443	Fabricated plate work (boiler shops)	39.4	40.0	39.2	39.6	-	1.9	2.2	1.7	1.9	-
3444	Sheet metal work	38.5	38.8	39.1	39.4	-	1.8	1.9	2.2	2.2	-
3446	Architectural metal work	39.2	39.0	40.3	40.2	-	1.7	1.6	2.0	2.2	-
345	Screw machine products, bolts, etc.	39.0	39.1	40.0	40.3	-	1.6	1.9	2.4	2.6	-
3451	Screw machine products	38.9	38.6	39.3	39.7	-	1.7	1.7	1.8	2.1	-
3452	Bolts, nuts, rivets, and washers	39.1	39.6	40.8	40.9	-	1.5	2.0	2.9	3.2	-
346	Metal forgings and stampings	40.1	40.3	41.7	42.2	-	2.8	2.9	3.7	3.9	-
3462	Iron and steel forgings	38.8	38.8	39.4	40.4	-	1.9	2.3	2.3	2.5	-
3465	Automotive stampings	42.4	42.5	44.4	45.0	-	4.3	4.3	5.6	6.0	-
3469	Metal stampings, nec	38.4	38.7	39.9	40.0	-	1.7	1.9	2.3	2.4	-
347	Metal services, nec	38.8	38.8	40.2	39.8	-	2.2	2.3	3.0	2.9	-
3471	Plating and polishing	36.7	38.9	40.0	39.6	-	2.2	2.2	2.8	2.7	-
3479	Metal coating and allied services	38.9	38.5	40.6	40.5	-	2.2	2.4	3.5	3.3	-
348	Ordinance and accessories, nec	40.6	40.1	40.8	40.6	-	2.3	2.2	2.2	1.8	-
3483	Ammunition, exc. for small arms, nec	40.5	39.9	41.3	40.8	-	1.9	1.8	1.5	1.3	-
349	Misc. fabricated metal products	38.6	38.7	39.4	39.7	-	1.6	1.6	1.8	1.9	-
3494	Valves and pipe fittings	38.6	38.3	38.1	38.5	-	1.5	1.4	1.4	1.4	-
3496	Misc. fabricated wire products	38.6	39.1	39.8	39.9	-	1.4	1.5	1.8	2.1	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	39.7	39.6	40.0	39.9	40.1	2.1	2.2	2.2	2.2	-
351	Engines and turbines	38.8	38.9	39.3	39.4	-	1.2	1.5	1.8	2.1	-
3511	Turbines and turbine generator sets	40.2	40.2	39.4	38.7	-	2.5	2.7	2.6	2.4	-
3519	Internal combustion engines, nec	38.2	38.3	39.3	39.8	-	.6	.9	1.4	1.9	-
352	Farm and garden machinery	39.5	39.4	40.5	39.8	-	1.8	2.2	2.5	1.9	-
3523	Farm machinery and equipment	39.7	39.4	40.7	39.9	-	2.0	2.3	2.7	2.1	-
353	Construction and related machinery	39.8	38.7	39.6	38.9	-	1.8	1.7	1.9	1.7	-

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				
		May 1982	June 1982	Apr. 1983	May 1983†	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
	<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>										
3531	Construction machinery	\$444.53	\$391.96	\$416.12	\$447.58	-	\$11.34	\$11.01	\$10.30	\$11.36	-
3532	Mining machinery	396.92	397.06	412.30	416.64	-	10.23	10.34	10.85	10.85	-
3533	Oil field machinery	399.75	405.66	418.95	405.46	-	9.75	9.87	10.50	10.45	-
3535	Conveyers and conveying equipment	342.86	338.37	340.45	344.04	-	8.68	8.61	8.82	8.89	-
3537	Industrial trucks and tractors	328.75	331.36	350.34	346.09	-	8.79	8.86	8.96	9.18	-
354	Metalworking machinery	377.39	381.28	391.55	388.23	-	9.53	9.58	9.74	9.73	-
3541	Machine tools, metal cutting types	377.33	379.26	383.85	377.11	-	9.70	9.80	9.97	9.95	-
3542	Machine tools, metal forming types	372.63	379.38	398.86	383.61	-	9.99	10.01	10.36	10.34	-
3544	Special dies, tools, jigs, and fixtures	411.80	419.15	426.83	423.74	-	10.07	10.10	10.31	10.31	-
3545	Machine tool accessories	333.80	325.75	347.70	349.48	-	8.67	8.71	8.87	8.87	-
3546	Power driven hand tools	294.88	299.52	300.30	299.92	-	7.76	7.68	7.70	7.71	-
355	Special industry machinery	351.35	357.20	371.05	374.91	-	8.85	8.93	9.23	9.28	-
3551	Food products machinery	373.41	368.28	386.40	393.50	-	9.22	9.23	9.66	9.74	-
3552	Textile machinery	271.10	274.63	288.95	289.28	-	7.06	7.06	7.26	7.25	-
3555	Printing trades machinery	358.54	377.87	391.41	398.82	-	9.10	9.33	9.57	9.68	-
356	General industrial machinery	359.33	357.35	371.84	374.77	-	9.19	9.21	9.39	9.44	-
3561	Pumps and pumping equipment	366.88	366.31	387.50	385.33	-	9.48	9.49	9.81	9.78	-
3562	Ball and roller bearings	347.91	351.51	379.76	387.81	-	8.99	8.99	9.24	9.39	-
3563	Air and gas compressors	403.79	395.00	395.92	399.52	-	9.97	10.00	10.10	10.14	-
3564	Blowers and fans	341.90	343.48	342.61	349.13	-	8.38	8.46	8.63	8.75	-
3566	Speed changers, drives, and gears	375.55	360.14	368.93	373.32	-	9.78	9.84	9.76	9.85	-
3568	Power transmission equipment, nec	329.12	323.69	367.54	366.99	-	8.73	8.82	9.40	9.41	-
357	Office and computing machines	320.17	325.03	342.33	345.98	-	7.79	7.87	8.37	8.48	-
3573	Electronic computing equipment	320.38	323.65	341.95	345.63	-	7.72	7.78	8.32	8.43	-
358	Refrigeration and service machinery	340.80	347.06	361.78	368.00	-	8.52	8.72	9.09	9.20	-
3585	Refrigeration and heating equipment	350.40	362.10	377.88	387.32	-	8.76	9.03	9.40	9.54	-
359	Misc. machinery, except electrical	349.16	352.24	368.24	373.03	-	8.93	8.94	9.37	9.42	-
3592	Carburetors, pistons, rings, valves	398.58	419.18	421.61	433.70	-	10.22	10.35	10.41	10.63	-
3599	Machinery, except electrical, nec	341.34	341.82	359.33	362.87	-	8.73	8.72	9.19	9.21	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>	318.33	321.53	344.86	345.32	\$352.00	8.10	8.14	8.60	8.59	\$8.67
361	Electric distributing equipment	301.40	307.67	324.97	327.46	-	7.89	7.95	8.29	8.29	-
3612	Transformers	301.86	307.72	319.51	326.80	-	7.78	7.87	8.13	8.17	-
3613	Switchgear and switchboard apparatus	302.02	307.97	328.83	326.82	-	7.99	8.02	8.41	8.38	-
362	Electrical industrial apparatus	318.50	320.49	342.94	344.60	-	8.23	8.26	8.66	8.68	-
3621	Motors and generators	328.32	330.37	351.95	354.03	-	8.27	8.28	8.69	8.72	-
3622	Industrial controls	295.88	299.30	326.76	326.37	-	7.89	7.96	8.40	8.39	-
363	Household appliances	294.25	308.46	335.02	326.04	-	7.91	7.95	8.46	8.36	-
3632	Household refrigerators and freezers	332.88	363.92	374.22	360.12	-	9.12	9.19	9.45	9.14	-
3633	Household laundry equipment	357.58	360.02	397.19	390.61	-	9.51	9.40	10.03	9.99	-
3634	Electric housewares and fans	231.00	237.31	259.62	255.64	-	6.16	6.18	6.64	6.64	-
364	Electric lighting and wiring equipment	303.77	299.92	327.57	327.59	-	7.71	7.71	7.97	7.99	-
3641	Electric lamps	336.44	329.09	393.33	390.28	-	8.39	8.46	9.19	9.14	-
3643	Current-carrying wiring devices	286.31	284.14	302.91	301.84	-	7.23	7.23	7.37	7.38	-
3644	Noncurrent-carrying wiring devices	292.18	285.94	327.89	332.77	-	7.75	7.77	8.28	8.34	-
3645	Residential lighting fixtures	230.11	227.90	256.88	259.16	-	6.12	6.11	6.25	6.26	-
365	Radio and TV receiving equipment	295.21	315.59	318.70	328.02	-	7.55	7.87	8.13	8.18	-
3651	Radio and TV receiving sets	301.09	327.24	331.01	341.30	-	7.78	8.10	8.38	8.49	-
366	Communication equipment	376.80	383.80	413.29	413.70	-	9.42	9.50	10.23	10.24	-
3661	Telephone and telegraph apparatus	373.18	381.68	410.44	415.53	-	9.52	9.59	10.21	10.26	-
3662	Radio and TV communication equipment	376.55	384.62	414.72	412.27	-	9.37	9.45	10.24	10.23	-
367	Electronic components and accessories	277.77	279.97	302.35	304.62	-	7.05	7.07	7.54	7.54	-
3671-3	Electronic tubes	361.34	366.06	388.24	383.66	-	8.90	8.95	9.61	9.52	-
3674	Semiconductors and related devices	314.40	317.20	340.05	344.76	-	8.00	8.01	8.48	8.45	-
3679	Electronic components, nec	263.08	264.14	284.01	286.23	-	6.61	6.62	7.03	7.05	-
369	Misc. electrical equipment and supplies	357.94	356.25	369.84	375.96	-	8.86	8.84	9.20	9.26	-
3691	Storage batteries	354.76	357.11	380.78	381.52	-	9.05	9.11	9.64	9.61	-
3694	Engine electrical equipment	330.84	385.43	397.80	412.15	-	9.82	9.66	9.75	9.86	-
37	<b>TRANSPORTATION EQUIPMENT</b>	455.80	466.34	484.26	482.27	490.99	11.09	11.21	11.53	11.51	11.58
371	Motor vehicles and equipment	489.90	509.75	519.17	517.10	-	11.72	11.91	11.99	11.97	-
3711	Motor vehicles and car bodies	555.86	574.56	576.84	565.47	-	13.11	13.30	13.20	13.12	-
3713	Truck and bus bodies	372.53	381.60	357.62	345.26	-	9.29	9.33	8.68	8.61	-
3714	Motor vehicle parts and accessories	455.94	482.89	494.33	500.37	-	10.96	11.23	11.39	11.45	-
3715	Truck trailers	297.83	302.13	323.85	343.40	-	7.90	7.93	8.39	8.50	-
372	Aircraft and parts	450.31	454.40	480.05	479.70	-	11.01	11.11	11.68	11.70	-
3721	Aircraft	473.40	472.32	508.80	504.23	-	11.66	11.72	12.44	12.45	-
3724	Aircraft engines and engine parts	440.36	448.11	461.30	460.23	-	10.90	11.01	11.39	11.42	-
3728	Aircraft equipment, nec	417.90	426.05	447.74	453.90	-	9.95	10.12	10.61	10.68	-
373	Ship and boat building and repairing	385.76	381.68	392.44	383.94	-	9.62	9.59	9.91	9.72	-
3731	Shipbuilding and repairing	406.83	400.80	419.89	409.51	-	10.07	10.02	10.63	10.42	-
3732	Boat building and repairing	302.25	304.20	304.44	304.84	-	7.77	7.78	7.63	7.64	-
374	Railroad equipment	432.43	424.13	437.75	439.27	-	11.44	11.25	11.37	11.38	-

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				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
		<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>									
3531	Construction machinery .....	39.2	35.6	40.4	39.4	-	1.1	0.9	2.1	1.6	-
3532	Mining machinery .....	38.8	38.4	38.0	38.4	-	1.0	1.0	1.2	1.0	-
3533	Oil field machinery .....	41.0	41.1	39.9	38.8	-	2.5	2.4	2.2	1.9	-
3535	Conveyers and conveying equipment .....	39.5	39.3	38.6	38.7	-	2.2	1.9	1.5	1.7	-
3537	Industrial trucks and tractors .....	37.4	37.4	39.1	37.7	-	1.3	.9	1.6	1.6	-
354	Metalworking machinery .....	39.6	39.8	40.2	39.9	-	2.6	2.7	2.8	2.7	-
3541	Machine tools, metal cutting types .....	38.9	38.7	38.5	37.9	-	1.7	1.9	1.4	1.3	-
3542	Machine tools, metal forming types .....	37.3	37.9	38.5	37.1	-	1.3	1.3	2.3	2.1	-
3544	Special dies, tools, jigs, and fixtures .....	40.9	41.5	41.4	41.1	-	4.0	4.2	3.8	3.8	-
3545	Machine tool accessories .....	38.5	37.4	39.2	39.4	-	1.2	1.2	2.0	1.9	-
3546	Power driven hand tools .....	38.0	39.0	39.0	38.9	-	1.3	1.1	1.7	1.7	-
355	Special industry machinery .....	39.7	40.0	40.2	40.4	-	2.1	2.2	2.3	2.4	-
3551	Food products machinery .....	40.5	39.9	40.0	40.4	-	2.3	2.2	2.1	2.0	-
3552	Textile machinery .....	38.4	38.9	39.8	39.9	-	.9	1.1	1.6	1.9	-
3555	Printing trades machinery .....	39.4	40.5	40.9	41.2	-	2.5	2.6	3.3	3.2	-
356	General industrial machinery .....	39.1	38.8	39.6	39.7	-	1.6	1.7	1.9	1.9	-
3561	Pumps and pumping equipment .....	38.7	38.6	39.5	39.4	-	1.4	1.5	1.5	1.3	-
3562	Ball and roller bearings .....	38.7	39.1	41.1	41.3	-	1.6	1.8	2.7	2.7	-
3563	Air and gas compressors .....	40.5	39.5	39.2	39.4	-	2.6	2.3	1.4	1.7	-
3564	Blowers and fans .....	40.8	40.6	39.7	39.9	-	2.1	2.4	1.3	1.6	-
3566	Speed changers, drives, and gears .....	38.4	36.6	37.8	37.9	-	1.1	.9	1.2	1.6	-
3568	Power transmission equipment, nec .....	37.7	36.7	39.1	39.0	-	1.0	1.1	2.4	2.1	-
357	Office and computing machines .....	41.1	41.3	40.9	40.8	-	2.2	2.3	2.3	2.2	-
3573	Electronic computing equipment .....	41.5	41.6	41.1	41.0	-	2.4	2.5	2.4	2.4	-
358	Refrigeration and service machinery .....	40.0	39.8	39.8	40.0	-	1.9	2.3	1.8	1.9	-
3585	Refrigeration and heating equipment .....	40.0	40.1	40.2	40.6	-	1.7	2.4	1.9	2.1	-
359	Misc. machinery, except electrical .....	39.1	39.4	39.3	39.6	-	2.5	2.5	2.3	2.5	-
3582	Carburetors, pistons, rings, valves .....	39.0	40.5	40.5	40.8	-	1.7	2.7	3.0	3.1	-
3599	Machinery, except electrical, nec .....	39.1	39.2	39.1	39.4	-	2.6	2.5	2.1	2.4	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b> .....	39.3	39.5	40.1	40.2	40.6	1.7	1.9	2.2	2.2	-
361	Electric distributing equipment .....	38.2	38.7	39.2	39.5	-	1.4	1.7	1.8	1.7	-
3612	Transformers .....	38.8	39.1	39.3	40.0	-	1.6	2.2	1.9	1.7	-
3613	Switchgear and switchboard apparatus .....	37.8	38.4	39.1	39.0	-	1.3	1.4	1.7	1.8	-
362	Electrical industrial apparatus .....	38.7	38.8	39.6	39.7	-	1.5	1.6	1.9	2.1	-
3621	Motors and generators .....	39.7	39.9	40.5	40.6	-	1.8	1.9	2.1	2.4	-
3622	Industrial controls .....	37.5	37.6	38.9	38.9	-	1.0	1.4	1.7	1.7	-
363	Household appliances .....	37.2	38.8	39.6	39.0	-	1.1	1.4	1.9	1.5	-
3632	Household refrigerators and freezers .....	36.5	39.6	39.6	39.4	-	1.0	1.6	1.7	1.5	-
3633	Household laundry equipment .....	37.6	38.3	39.6	39.1	-	.4	.6	1.4	1.2	-
3634	Electric housewares and fans .....	37.5	38.4	39.1	38.5	-	1.0	1.1	1.8	1.2	-
364	Electric lighting and wiring equipment .....	39.4	38.9	41.1	41.0	-	1.7	1.6	2.7	2.7	-
3641	Electric lamps .....	40.1	38.9	42.8	42.7	-	1.5	1.5	3.0	2.8	-
3643	Current-carrying wiring devices .....	39.6	39.3	41.1	40.9	-	1.8	1.8	3.1	2.9	-
3644	Noncurrent-carrying wiring devices .....	37.7	36.8	39.6	39.9	-	.9	1.0	1.6	2.0	-
3645	Residential lighting fixtures .....	37.6	37.3	41.1	41.4	-	1.0	1.0	2.1	2.3	-
365	Radio and TV receiving equipment .....	39.1	40.1	39.2	40.1	-	1.2	1.9	1.8	2.4	-
3651	Radio and TV receiving sets .....	38.7	40.4	39.5	40.2	-	1.2	2.1	2.0	2.5	-
366	Communication equipment .....	40.0	40.4	40.4	40.4	-	1.8	2.0	2.0	2.1	-
3661	Telephone and telegraph apparatus .....	39.2	39.8	40.2	40.5	-	1.2	1.6	2.0	2.2	-
3662	Radio and TV communication equipment .....	40.4	40.7	40.5	40.3	-	2.1	2.2	2.0	2.0	-
367	Electronic components and accessories .....	39.4	39.6	40.1	40.4	-	2.1	2.2	2.4	2.5	-
3671-3	Electronic tubes .....	40.6	40.9	40.4	40.3	-	1.7	2.1	1.7	1.6	-
3674	Semiconductors and related devices .....	39.3	39.6	40.1	40.8	-	2.3	2.5	2.9	3.0	-
3679	Electronic components, nec .....	39.8	39.9	40.4	40.6	-	2.2	2.3	2.5	2.6	-
369	Misc. electrical equipment and supplies .....	40.4	40.3	40.2	40.6	-	2.1	2.0	2.2	2.4	-
3691	Storage batteries .....	39.2	39.2	39.5	39.7	-	1.4	1.6	1.6	1.9	-
3694	Engine electrical equipment .....	39.8	39.9	40.8	41.8	-	2.2	2.1	2.8	3.6	-
37	<b>TRANSPORTATION EQUIPMENT</b> .....	41.1	41.6	42.0	41.9	42.4	3.0	3.3	3.7	3.4	-
371	Motor vehicles and equipment .....	41.8	42.8	43.3	43.2	-	3.4	4.0	4.6	4.2	-
3711	Motor vehicles and car bodies .....	42.4	43.2	43.7	43.1	-	3.6	3.9	5.1	4.1	-
3713	Truck and bus bodies .....	40.1	40.9	41.2	40.1	-	1.8	2.6	2.7	1.9	-
3714	Motor vehicle parts and accessories .....	41.6	43.0	43.4	43.7	-	3.5	4.4	4.4	4.7	-
3715	Truck trailers .....	37.7	38.1	38.6	40.4	-	.7	1.0	1.4	2.4	-
372	Aircraft and parts .....	40.9	40.9	41.1	41.0	-	2.8	3.0	2.9	2.7	-
3721	Aircraft .....	40.6	40.3	40.9	40.5	-	2.3	2.4	2.4	2.1	-
3724	Aircraft engines and engine parts .....	40.4	40.7	40.5	40.3	-	3.0	3.5	3.1	3.2	-
3728	Aircraft equipment, nec .....	42.0	42.1	42.2	42.5	-	3.4	3.5	3.5	3.3	-
373	Ship and boat building and repairing .....	40.1	39.8	39.6	39.5	-	2.5	2.4	2.5	2.4	-
3731	Ship building and repairing .....	40.4	40.0	39.5	39.3	-	2.8	2.7	2.6	2.4	-
3732	Boat building and repairing .....	38.9	39.1	39.9	39.9	-	1.5	1.5	2.3	2.4	-
374	Railroad equipment .....	37.8	37.7	38.5	38.6	-	1.5	1.2	1.6	1.4	-

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				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
		<b>TRANSPORTATION EQUIPMENT—Continued</b>									
376	Guided missiles, space vehicles, parts	\$439.02	\$439.55	\$475.12	\$469.34	-	\$10.84	\$10.88	\$11.56	\$11.56	-
3781	Guided missiles and space vehicles	449.96	448.84	486.93	482.21	-	11.11	11.11	11.79	11.79	-
379	Miscellaneous transportation equipment	367.98	372.19	411.16	391.20	-	8.91	8.99	9.86	9.78	-
3792	Travel trailers and campers	500.30	294.12	356.55	336.51	-	7.70	7.60	8.35	8.35	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	315.60	324.82	339.25	340.49	\$340.09	8.01	8.08	8.46	8.47	\$8.46
381	Engineering and scientific instruments	332.45	338.18	361.97	364.08	-	8.29	8.35	8.85	8.88	-
382	Measuring and controlling devices	315.61	320.40	334.22	337.90	-	7.93	7.99	8.44	8.49	-
3822	Environmental controls	284.52	282.37	302.25	303.03	-	7.39	7.47	7.75	7.81	-
3823	Process control instruments	331.70	332.52	327.71	337.24	-	8.11	8.17	8.36	8.41	-
3825	Instruments to measure electricity	330.37	339.88	358.49	364.31	-	8.28	8.31	8.94	9.04	-
383	Optical instruments and lenses	334.87	343.13	377.87	373.68	-	8.33	8.41	9.04	9.07	-
384	Medical instruments and supplies	272.74	278.69	292.00	292.80	-	6.94	7.02	7.30	7.32	-
3841	Surgical and medical instruments	278.39	282.80	294.40	297.01	-	7.03	7.07	7.36	7.37	-
3842	Surgical appliances and supplies	270.48	276.50	289.20	288.22	-	6.90	7.00	7.23	7.26	-
385	Ophthalmic goods	234.81	238.99	251.62	251.44	-	5.99	6.02	6.37	6.31	-
386	Photographic equipment and supplies	431.39	435.94	456.33	454.98	-	10.42	10.53	11.13	11.07	-
387	Watches, clocks, and watchcases	243.43	243.14	241.78	252.68	-	6.21	6.14	6.28	6.27	-
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>	246.02	247.81	263.64	264.23	264.13	6.39	6.42	6.76	6.81	6.79
391	Jewelry, silverware, and plated ware	257.18	255.94	272.54	271.90	-	6.84	6.88	7.21	7.27	-
3911	Jewelry, precious metal	253.45	252.25	261.93	260.94	-	6.85	6.93	7.06	7.11	-
393	Musical instruments	240.66	243.46	257.85	261.02	-	6.30	6.34	6.68	6.71	-
394	Toys and sporting goods	231.25	235.20	248.61	246.77	-	5.96	6.00	6.31	6.36	-
3942, 4	Dolls, games, toys, and children's vehicles	216.79	222.30	234.96	232.70	-	5.72	5.70	6.04	6.06	-
3949	Sporting and athletic goods, nec	245.74	248.22	261.49	261.35	-	6.19	6.30	6.57	6.65	-
395	Pens, pencils, office and art supplies	261.62	267.85	278.99	281.00	-	6.64	6.63	6.94	6.99	-
396	Costume jewelry and notions	208.67	210.27	212.24	209.59	-	5.42	5.49	5.69	5.68	-
3961	Costume jewelry	197.06	198.40	184.63	183.75	-	5.04	5.14	5.26	5.25	-
399	Miscellaneous manufactures	263.81	264.96	287.17	290.66	-	6.87	6.90	7.27	7.34	-
3993	Signs and advertising displays	281.18	280.06	311.25	316.81	-	7.38	7.37	7.84	7.94	-
	<b>NONDURABLE GOODS</b>										
20	<b>FOOD AND KINDRED PRODUCTS</b>	311.65	311.65	318.98	321.47	324.30	7.93	7.91	8.20	8.18	8.21
201	Meat products	298.75	297.89	292.92	290.86	-	7.68	7.58	7.53	7.42	-
2011	Meat packing plants	368.34	369.15	366.61	356.54	-	9.14	9.07	8.92	8.55	-
2013	Sausages and other prepared meats	368.12	367.43	354.88	368.40	-	9.18	9.14	9.03	9.21	-
2016	Poultry dressing plants	188.42	189.21	191.46	192.36	-	5.12	5.10	5.26	5.27	-
202	Dairy products	328.80	335.69	341.47	347.30	-	8.00	8.05	8.39	8.45	-
2022	Cheese, natural and processed	301.36	309.50	309.99	313.89	-	7.61	7.68	8.01	8.09	-
2026	Fluid milk	343.62	350.70	356.90	362.79	-	8.30	8.35	8.60	8.70	-
203	Preserved fruits and vegetables	270.27	266.76	281.96	287.21	-	7.02	7.02	7.42	7.46	-
2032	Canned specialties	313.62	323.21	317.81	341.42	-	7.96	8.02	8.43	8.60	-
2033	Canned fruits and vegetables	277.02	266.40	289.94	297.60	-	7.29	7.20	7.59	7.67	-
2037	Frozen fruits and vegetables	254.78	243.57	269.58	268.71	-	6.45	6.53	6.93	6.89	-
204	Grain mill products	366.74	373.01	394.06	393.64	-	8.88	8.86	9.36	9.35	-
2041	Flour and other grain mill products	380.17	376.70	435.18	433.16	-	8.78	8.72	9.44	9.52	-
2048	Prepared feeds, nec	292.70	302.40	320.35	315.88	-	7.07	7.00	7.52	7.45	-
205	Bakery products	315.47	319.66	333.26	340.34	-	8.28	8.39	8.77	8.84	-
2051	Bread, cake, and related products	317.98	322.43	332.89	339.72	-	8.39	8.53	8.83	8.94	-
2052	Cookies and crackers	308.83	311.22	332.82	344.00	-	7.98	7.98	8.60	8.60	-
206	Sugar and confectionery products	306.15	310.47	308.32	309.54	-	7.81	7.86	8.05	8.04	-
2061-3	Cane and beet sugar	361.27	368.45	388.85	383.76	-	9.10	9.12	9.77	9.57	-
2065	Confectionery products	264.96	268.27	258.96	259.28	-	6.90	6.95	6.98	6.97	-
207	Fats and oils	348.04	357.62	375.76	372.86	-	8.17	8.24	8.80	8.92	-
208	Beverages	398.05	401.55	409.31	414.28	-	9.78	9.77	10.31	10.28	-
2082	Malt beverages	566.80	573.31	577.26	576.97	-	13.06	13.21	13.81	13.64	-
2086	Bottled and canned soft drinks	269.35	295.57	299.15	308.89	-	7.27	7.28	7.73	7.82	-
209	Misc. foods and kindred products	262.27	253.33	262.81	266.42	-	6.92	6.81	7.24	7.22	-
21	<b>TOBACCO MANUFACTURES</b>	369.40	397.82	395.75	401.68	397.99	9.93	10.36	10.61	10.74	10.67
211	Cigarettes	422.59	451.22	464.88	466.50	-	11.36	11.72	12.43	12.44	-
22	<b>TEXTILE MILL PRODUCTS</b>	218.86	220.40	246.83	248.67	252.56	5.79	5.80	6.14	6.14	6.16
221	Weaving mills, cotton	224.91	223.43	256.00	258.73	-	5.95	5.99	6.40	6.42	-
222	Weaving mills, synthetics	230.96	230.35	265.12	266.34	-	6.11	6.11	6.53	6.56	-
223	Weaving and finishing mills, wool	239.90	246.98	256.94	261.81	-	6.12	6.19	6.36	6.37	-
224	Narrow fabric mills	210.75	215.36	232.22	230.44	-	5.39	5.48	5.82	5.79	-
225	Knitting mills	198.69	200.84	218.48	222.26	-	5.37	5.37	5.66	5.67	-

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				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
		<b>TRANSPORTATION EQUIPMENT—Continued</b>									
376	Guided missiles, space vehicles, parts .....	40.5	40.4	41.1	40.6	-	2.9	2.7	3.0	2.8	-
3761	Guided missiles and space vehicles .....	40.5	40.4	41.3	40.9	-	2.9	2.6	3.1	3.0	-
379	Miscellaneous transportation equipment .....	41.3	41.4	41.7	40.0	-	3.5	3.8	4.5	3.0	-
3792	Travel trailers and campers .....	39.0	38.7	42.7	40.3	-	1.9	1.6	5.1	3.0	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b> .....	39.9	40.2	40.1	40.2	40.2	1.6	1.7	1.7	1.7	-
381	Engineering and scientific instruments .....	40.1	40.5	40.9	41.0	-	2.0	2.0	2.3	2.3	-
382	Measuring and controlling devices .....	39.8	40.1	39.6	39.8	-	1.2	1.2	1.3	1.3	-
3822	Environmental controls .....	38.5	37.8	39.0	38.8	-	.8	.7	1.8	1.7	-
3823	Process control instruments .....	40.9	40.7	39.2	40.1	-	1.6	1.3	1.1	1.0	-
3825	Instruments to measure electricity .....	39.9	40.9	40.1	40.3	-	1.1	1.1	1.1	1.1	-
383	Optical instruments and lenses .....	40.2	40.8	41.8	41.2	-	2.0	2.1	2.4	2.2	-
384	Medical instruments and supplies .....	39.3	39.7	40.0	40.0	-	1.7	2.2	2.0	2.0	-
3841	Surgical and medical instruments .....	39.6	40.0	40.0	40.3	-	2.0	2.6	2.0	2.2	-
3842	Surgical appliances and supplies .....	39.2	39.5	40.0	39.7	-	1.5	2.0	2.0	1.8	-
385	Ophthalmic goods .....	39.2	39.7	39.5	39.8	-	1.3	1.4	1.5	1.3	-
386	Photographic equipment and supplies .....	41.4	41.4	41.0	41.1	-	2.2	1.9	1.8	1.6	-
387	Watches, clocks, and watchcases .....	39.2	39.6	38.5	40.3	-	1.5	1.5	2.2	3.0	-
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> .....	38.5	38.6	39.0	38.8	38.9	1.6	1.6	1.8	1.8	-
391	Jewelry, silverware, and plated ware .....	37.6	37.2	37.8	37.4	-	1.2	1.2	1.5	1.4	-
3911	Jewelry, precious metal .....	37.0	36.4	37.1	36.7	-	1.2	1.2	1.5	1.3	-
393	Musical instruments .....	38.2	38.4	38.6	38.9	-	1.0	.9	1.1	1.0	-
394	Toys and sporting goods .....	38.8	39.2	39.4	38.8	-	1.4	1.5	1.7	1.5	-
3942, 4	Dolls, games, toys, and children's vehicles .....	37.9	39.0	38.9	38.4	-	1.0	1.2	1.5	1.5	-
3949	Sporting and athletic goods, nec .....	39.7	39.4	39.8	39.3	-	1.8	1.9	1.9	1.6	-
395	Pens, pencils, office and art supplies .....	39.4	40.4	40.2	40.2	-	1.7	1.9	2.2	2.1	-
396	Costume jewelry and notions .....	38.5	38.3	37.3	36.9	-	2.2	2.1	2.2	2.0	-
3961	Costume jewelry .....	39.1	38.6	35.1	35.0	-	2.9	2.8	2.3	2.0	-
399	Miscellaneous manufactures .....	38.4	38.4	39.5	39.6	-	1.6	1.6	1.9	2.1	-
3993	Signs and advertising displays .....	38.1	38.0	39.7	39.9	-	2.1	1.8	2.3	2.6	-
	<b>NONDURABLE GOODS</b>										
20	<b>FOOD AND KINDRED PRODUCTS</b> .....	39.3	39.4	38.9	39.3	39.5	3.3	3.3	3.1	3.2	-
201	Meat products .....	38.9	39.3	38.9	39.2	-	3.2	3.3	3.2	3.4	-
2011	Meat packing plants .....	40.3	40.7	41.1	41.7	-	3.7	4.0	4.2	4.4	-
2013	Sausages and other prepared meats .....	40.1	40.2	39.3	40.0	-	3.8	3.6	3.1	3.7	-
2016	Poultry dressing plants .....	36.8	37.1	36.4	36.5	-	2.3	2.3	2.3	2.3	-
202	Dairy products .....	41.1	41.7	40.7	41.1	-	3.9	4.1	3.6	3.8	-
2022	Cheese, natural and processed .....	39.6	40.3	38.7	38.8	-	3.3	3.2	3.2	3.1	-
2026	Fluid milk .....	41.4	42.0	41.5	41.7	-	4.0	4.3	3.9	4.2	-
203	Preserved fruits and vegetables .....	38.5	38.0	38.0	38.5	-	2.6	2.5	2.7	2.7	-
2032	Canned specialties .....	39.4	40.3	37.7	39.7	-	1.8	2.4	2.6	3.5	-
2033	Canned fruits and vegetables .....	38.0	37.0	38.2	38.8	-	2.5	2.3	2.4	2.4	-
2037	Frozen fruits and vegetables .....	39.5	37.3	38.9	39.0	-	3.5	2.3	2.7	2.7	-
204	Grain mill products .....	41.3	42.1	42.1	42.1	-	4.4	4.7	4.7	4.7	-
2041	Flour and other grain mill products .....	43.3	43.2	46.1	45.5	-	5.1	5.1	6.3	6.1	-
2048	Prepared feeds, nec .....	41.4	43.2	42.6	42.4	-	4.6	5.6	5.3	5.1	-
205	Bakery products .....	38.1	38.1	38.0	38.5	-	2.9	2.9	2.9	3.0	-
2051	Bread, cake, and related products .....	37.9	37.8	37.7	38.0	-	3.3	3.3	3.1	3.2	-
2052	Cookies and crackers .....	38.7	39.0	38.7	40.0	-	1.8	1.8	2.4	2.5	-
206	Sugar and confectionery products .....	39.2	39.5	38.3	38.5	-	2.1	2.5	2.1	1.9	-
2061-3	Cane and beet sugar .....	39.7	40.4	39.8	40.1	-	3.0	3.7	4.0	2.8	-
2065	Confectionery products .....	38.4	38.6	37.1	37.2	-	1.6	2.0	1.3	1.4	-
207	Fats and oils .....	42.6	43.4	42.7	41.8	-	4.7	5.3	4.9	4.7	-
208	Beverages .....	40.7	41.1	39.7	40.3	-	4.3	4.2	3.3	3.5	-
2082	Malt beverages .....	43.4	43.4	41.8	42.3	-	6.6	6.1	5.5	5.2	-
2086	Bottled and canned soft drinks .....	39.8	40.6	38.7	39.5	-	3.7	4.0	2.5	3.0	-
209	Misc. foods and kindred products .....	37.9	37.2	36.3	36.9	-	2.9	2.7	2.3	2.5	-
21	<b>TOBACCO MANUFACTURES</b> .....	37.2	38.4	37.3	37.4	37.3	1.0	1.5	.8	.8	-
211	Cigarettes .....	37.2	38.5	37.4	37.5	-	1.0	1.7	.8	.7	-
22	<b>TEXTILE MILL PRODUCTS</b> .....	37.8	38.0	40.2	40.5	41.0	2.1	2.2	3.3	3.5	-
221	Weaving mills, cotton .....	37.8	37.3	40.0	40.3	-	2.2	2.0	3.6	3.7	-
222	Weaving mills, synthetics .....	37.8	37.7	40.6	40.6	-	2.0	1.9	3.3	3.6	-
223	Weaving and finishing mills, wool .....	39.2	39.9	40.4	41.1	-	2.9	3.5	3.9	4.0	-
224	Narrow fabric mills .....	39.1	39.3	39.9	39.8	-	1.8	2.0	2.3	2.0	-
225	Knitting mills .....	37.0	37.4	38.6	39.2	-	1.7	1.9	2.7	3.0	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
	<b>TEXTILE MILL PRODUCTS—Continued</b>										
2251	Women's hosiery, except socks	\$181.92	\$189.81	\$212.61	\$218.55	-	\$5.11	\$5.13	\$5.41	\$5.45	-
2252	Hosiery, nec	184.17	191.29	206.72	212.16	-	5.13	5.17	5.44	5.44	-
2253	Knit outerwear mills	154.93	194.11	199.84	200.37	-	5.24	5.19	5.49	5.43	-
2254	Knit underwear mills	179.39	179.87	197.00	198.28	-	5.14	5.11	5.31	5.33	-
2257	Circular knit fabric mills	233.25	235.20	268.18	272.85	-	5.92	6.00	6.37	6.39	-
226	Textile finishing, except wool	240.24	244.11	273.14	275.28	-	6.16	6.18	6.55	6.57	-
2261	Finishing plants, cotton	243.96	243.13	279.12	281.96	-	6.24	6.25	6.63	6.65	-
2262	Finishing plants, synthetics	240.29	251.27	272.00	274.99	-	6.34	6.41	6.80	6.74	-
227	Floor covering mills	223.56	226.31	264.80	260.41	-	5.93	5.94	6.35	6.29	-
228	Yarn and thread mills	204.92	209.34	238.14	238.71	-	5.45	5.48	5.78	5.78	-
2281	Yarn mills, except wool	204.71	207.97	243.18	242.18	-	5.43	5.43	5.79	5.78	-
2282	Throwing and winding mills	151.30	196.84	216.12	215.81	-	5.27	5.32	5.57	5.62	-
229	Miscellaneous textile goods	257.15	259.75	273.91	280.80	-	6.51	6.51	6.73	6.75	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	180.76	184.60	192.07	192.41	\$196.71	5.18	5.20	5.35	5.33	\$5.36
231	Men's and boys' suits and coats	208.03	210.99	212.94	217.45	-	5.91	5.91	6.19	6.16	-
232	Men's and boys' furnishings	171.24	174.95	180.44	182.16	-	4.77	4.78	4.93	4.91	-
2321	Men's and boys' shirts and nightwear	166.68	172.14	169.10	173.70	-	4.63	4.64	4.75	4.72	-
2327	Men's and boys' separate trousers	167.04	170.85	182.36	180.28	-	4.80	4.84	5.01	4.98	-
2328	Men's and boys' work clothing	171.55	174.94	181.42	184.73	-	4.70	4.69	4.89	4.90	-
233	Women's and misses' outerwear	165.93	170.67	179.55	178.68	-	5.09	5.11	5.25	5.24	-
2331	Women's and misses' blouses and waists	162.32	165.90	165.77	166.55	-	4.76	4.74	4.89	4.87	-
2335	Women's and misses' dresses	162.15	168.53	178.65	176.91	-	5.18	5.25	5.43	5.41	-
2337	Women's and misses' suits and coats	179.60	186.48	193.67	195.22	-	5.63	5.60	5.73	5.81	-
2339	Women's and misses' outerwear, nec	165.00	167.31	180.49	177.71	-	4.94	4.95	5.07	5.02	-
234	Women's and children's undergarments	160.77	163.10	174.83	173.88	-	4.66	4.66	4.87	4.83	-
2341	Women's and children's underwear	159.73	162.03	173.16	172.20	-	4.59	4.59	4.81	4.77	-
2342	Brassieres and allied garments	165.33	170.02	182.52	182.78	-	5.01	5.06	5.20	5.12	-
236	Children's outerwear	169.81	174.33	171.00	169.46	-	4.73	4.75	4.79	4.76	-
2361	Children's dresses and blouses	169.33	169.20	167.90	166.73	-	4.73	4.70	4.77	4.75	-
238	Misc. apparel and accessories	184.25	185.96	189.16	189.69	-	5.19	5.18	5.24	5.24	-
239	Misc. fabricated textile products	237.60	238.64	250.10	250.34	-	6.22	6.28	6.38	6.37	-
2391	Curtains and draperies	166.14	166.61	188.28	188.37	-	4.68	4.68	4.84	4.88	-
2392	House furnishing, nec	192.00	192.65	211.07	210.99	-	5.12	5.11	5.44	5.41	-
2396	Automotive and apparel trimmings	433.49	443.47	435.90	432.41	-	10.73	10.79	10.58	10.47	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	380.22	389.34	410.18	415.52	424.15	9.14	9.27	9.72	9.80	9.91
261, 2.6	Paper and pulp mills	465.96	476.28	499.14	507.42	-	10.59	10.80	11.37	11.48	-
262	Paper mills, except building paper	468.42	480.34	504.83	512.45	-	10.55	10.77	11.37	11.37	-
263	Paperboard mills	474.36	474.57	512.89	520.56	-	10.93	10.96	11.90	12.05	-
264	Misc. converted paper products	322.40	332.93	351.85	354.35	-	8.06	8.18	8.54	8.58	-
2641	Paper coating and glazing	384.47	386.98	411.40	413.34	-	9.22	9.28	9.68	9.68	-
2642	Envelopes	296.56	298.15	318.79	315.99	-	7.47	7.51	7.93	8.02	-
2643	Bags, except textile bags	298.23	311.71	321.98	327.59	-	7.55	7.64	7.95	7.99	-
265	Paperboard containers and boxes	322.81	332.93	350.61	356.54	-	8.05	8.14	8.51	8.55	-
2651	Folding paperboard boxes	330.86	339.89	358.63	365.92	-	8.21	8.29	8.79	8.86	-
2653	Corrugated and solid fiber boxes	336.53	349.81	367.92	373.09	-	8.33	8.47	8.76	8.82	-
2654	Sanitary food containers	320.17	316.65	338.66	351.05	-	7.79	7.78	8.22	8.26	-
27	<b>PRINTING AND PUBLISHING</b>	317.24	320.29	337.72	338.31	337.78	8.62	8.68	9.03	9.07	9.08
271	Newspapers	289.30	291.61	305.03	307.10	-	8.82	8.81	9.16	9.14	-
272	Periodicals	324.25	323.47	349.28	353.93	-	8.74	8.79	9.44	9.54	-
273	Books	295.83	293.97	323.05	318.11	-	7.91	8.01	8.22	8.22	-
2731	Book publishing	286.50	285.07	303.03	298.70	-	7.64	7.81	7.81	7.84	-
2732	Book printing	307.05	303.69	346.73	341.68	-	8.21	8.23	8.69	8.65	-
274	Miscellaneous publishing	287.41	292.47	300.29	286.13	-	7.81	7.82	8.16	8.06	-
275	Commercial printing	339.47	341.76	360.30	361.13	-	8.91	8.97	9.31	9.38	-
2751	Commercial printing, letterpress	318.57	319.22	342.65	343.30	-	8.45	8.49	8.90	8.94	-
2752	Commercial printing, lithographic	347.24	350.98	366.10	365.00	-	9.09	9.14	9.46	9.53	-
276	Manifold business forms	336.10	343.65	362.29	367.64	-	8.64	8.70	9.08	9.10	-
278	Blankbooks and bookbinding	254.31	259.29	273.02	273.02	-	6.64	6.70	7.11	7.11	-
279	Printing trade services	392.17	400.81	417.24	418.76	-	10.43	10.52	10.98	11.02	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	400.25	406.55	432.85	434.70	439.10	9.81	9.94	10.43	10.50	10.53
281	Industrial inorganic chemicals	432.15	445.67	469.86	477.43	-	10.75	10.95	11.46	11.46	-
2819	Industrial inorganic chemicals, nec	435.71	446.82	477.02	482.72	-	10.92	11.06	11.55	11.66	-
282	Plastics materials and synthetics	391.86	398.69	435.97	439.74	-	9.70	9.82	10.43	10.47	-
2821	Plastics materials and resins	434.06	443.04	480.64	481.66	-	10.51	10.65	11.23	11.28	-
2824	Organic fibers, noncellulosic	367.75	377.34	416.42	423.78	-	9.31	9.41	10.01	10.09	-
283	Drugs	366.38	367.11	393.95	392.90	-	8.98	9.02	9.47	9.63	-
2834	Pharmaceutical preparations	347.33	348.87	375.77	377.46	-	8.64	8.70	9.21	9.32	-

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				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
<b>TEXTILE MILL PRODUCTS—Continued</b>											
2251	Women's hosiery, except socks	35.6	37.0	39.3	40.1	-	1.6	2.0	2.0	3.4	-
2252	Hosiery, nec	35.9	37.0	38.0	39.0	-	1.3	1.9	2.2	3.0	-
2253	Knit outerwear mills	37.2	37.4	36.4	36.9	-	1.6	1.6	2.0	2.0	-
2254	Knit underwear mills	34.9	35.2	37.1	37.2	-	.3	.7	1.3	1.6	-
2257	Circular knit fabric mills	39.4	39.2	42.1	42.7	-	2.6	2.9	4.4	4.2	-
226	Textile finishing, except wool	39.0	39.5	41.7	41.9	-	2.7	2.8	4.0	4.4	-
2261	Finishing plants, cotton	39.1	38.9	42.1	42.4	-	2.4	2.3	4.2	4.6	-
2262	Finishing plants, synthetics	37.9	39.2	40.0	40.8	-	2.8	3.2	3.3	3.9	-
227	Floor covering mills	37.7	38.1	41.7	41.4	-	1.4	1.6	4.3	3.8	-
228	Yarn and thread mills	37.6	38.2	41.2	41.3	-	2.2	2.4	3.8	3.8	-
2281	Yarn mills, except wool	37.7	38.3	42.0	41.9	-	2.4	2.4	4.3	4.3	-
2282	Throwing and winding mills	36.3	37.0	38.8	38.4	-	1.6	1.9	2.7	2.6	-
229	Miscellaneous textile goods	39.5	39.9	40.7	41.6	-	2.6	2.8	2.9	3.3	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	34.9	35.5	35.9	36.1	36.7	.9	1.1	1.2	1.2	-
231	Men's and boys' suits and coats	35.2	35.7	34.4	35.3	-	.6	.9	.4	.5	-
232	Men's and boys' furnishings	35.9	36.6	36.6	37.1	-	.8	1.0	1.1	1.1	-
2321	Men's and boys' shirts and nightwear	36.0	37.1	35.6	36.8	-	.9	1.3	.9	1.0	-
2327	Men's and boys' separate trousers	34.8	35.3	36.4	36.2	-	.8	.8	1.3	1.2	-
2328	Men's and boys' work clothing	36.5	37.3	37.1	37.7	-	.9	1.2	1.1	1.1	-
233	Women's and misses' outerwear	32.6	33.4	34.2	34.1	-	.7	.8	1.1	1.1	-
2331	Women's and misses' blouses and waists	34.1	35.0	33.9	34.2	-	.6	1.0	1.1	1.0	-
2335	Women's and misses' dresses	31.3	32.1	32.9	32.7	-	.6	.7	.9	.9	-
2337	Women's and misses' suits and coats	31.9	33.3	33.8	33.6	-	.6	.6	.7	.9	-
2339	Women's and misses' outerwear, nec	33.4	33.8	35.6	35.4	-	.6	1.0	1.5	1.3	-
234	Women's and children's undergarments	34.5	35.0	35.9	36.0	-	.7	.9	.9	.9	-
2341	Women's and children's underwear	34.8	35.3	36.0	36.1	-	.7	1.0	1.0	1.0	-
2342	Brassieres and allied garments	33.0	33.6	35.1	35.7	-	.6	.6	.5	.6	-
236	Children's outerwear	35.9	36.7	35.7	35.6	-	.9	1.3	.7	.9	-
2361	Children's dresses and blouses	35.8	36.0	35.2	35.1	-	.9	.9	.6	.8	-
238	Misc. apparel and accessories	35.5	35.9	36.1	36.2	-	1.1	.9	1.4	1.3	-
239	Misc. fabricated textile products	38.2	38.0	39.2	39.3	-	1.9	2.0	1.9	2.2	-
2391	Curtains and draperies	35.5	35.6	38.9	38.6	-	1.5	1.4	1.1	1.5	-
2392	House furnishings, nec	37.5	37.7	38.8	39.0	-	1.5	1.5	2.0	3.0	-
2396	Automotive and apparel trimmings	40.4	41.1	41.2	41.3	-	3.5	4.2	3.5	3.7	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	41.0	42.0	42.2	42.4	42.8	3.7	3.9	4.3	4.4	-
261, 2, 6	Paper and pulp mills	44.0	44.1	43.9	44.2	-	5.6	5.7	5.9	6.0	-
262	Paper mills, except building paper	44.4	44.6	44.4	44.6	-	5.8	5.8	6.0	6.2	-
263	Paperboard mills	43.4	43.3	43.1	43.2	-	6.1	6.3	7.0	6.8	-
264	Misc. converted paper products	40.0	40.7	41.2	41.3	-	2.1	2.4	2.8	2.8	-
2641	Paper coating and glazing	41.7	41.7	42.5	42.7	-	2.2	2.4	2.7	2.7	-
2642	Envelopes	39.7	39.7	40.2	39.4	-	1.9	1.8	2.1	2.1	-
2643	Bags, except textile bags	39.5	40.8	40.5	41.0	-	2.2	2.5	2.7	2.8	-
265	Paperboard containers and boxes	40.1	40.9	41.2	41.7	-	2.6	3.0	3.4	3.6	-
2651	Folding paperboard boxes	40.3	41.0	40.8	41.3	-	2.6	2.8	2.9	3.4	-
2653	Corrugated and solid fiber boxes	40.4	41.3	42.0	42.3	-	3.0	3.5	3.9	4.1	-
2654	Sanitary food containers	41.1	40.7	41.2	42.5	-	2.8	2.9	3.4	4.0	-
27	<b>PRINTING AND PUBLISHING</b>	36.8	36.9	37.4	37.3	37.2	2.0	2.0	2.4	2.3	-
271	Newspapers	32.8	33.1	33.3	33.6	-	1.3	1.3	1.4	1.4	-
272	Periodicals	37.1	36.8	37.0	37.1	-	2.0	2.0	2.0	2.0	-
273	Books	37.4	36.7	39.3	38.7	-	2.1	1.2	3.1	2.9	-
2731	Book publishing	37.5	36.5	38.8	38.1	-	1.5	.9	1.8	1.5	-
2732	Book printing	37.4	36.9	39.9	39.5	-	2.7	1.6	4.7	4.5	-
274	Miscellaneous publishing	36.8	37.4	36.8	35.5	-	1.5	1.4	2.0	1.5	-
275	Commercial printing	38.1	38.1	38.7	38.5	-	2.4	2.4	2.9	2.7	-
2751	Commercial printing, letterpress	37.7	37.6	38.5	38.4	-	2.1	2.0	2.6	2.5	-
2752	Commercial printing, lithographic	38.2	38.4	38.7	38.3	-	2.5	2.5	2.9	2.7	-
276	Manifold business forms	38.9	39.5	39.9	40.4	-	1.9	2.2	2.4	2.5	-
278	Blankbooks and bookbinding	36.3	38.7	38.4	38.4	-	1.3	1.3	1.8	1.8	-
279	Printing trade service	37.6	38.1	38.0	38.0	-	2.7	3.3	3.7	3.5	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	40.6	40.9	41.5	41.4	41.7	2.6	2.6	3.0	3.1	-
281	Industrial inorganic chemicals	40.2	40.7	41.0	41.3	-	2.8	3.0	2.5	2.7	-
2819	Industrial inorganic chemicals, nec	39.9	40.4	41.3	41.4	-	2.9	3.0	2.6	2.8	-
282	Plastics materials and synthetics	40.4	40.6	41.8	42.0	-	2.3	2.6	3.2	3.2	-
2821	Plastics materials and resins	41.3	41.6	42.8	42.7	-	3.1	3.4	4.0	3.9	-
2824	Organic fibers, noncellulosic	39.5	40.1	41.6	42.0	-	1.7	2.1	2.7	3.0	-
283	Drugs	40.8	40.7	41.6	40.8	-	2.5	2.5	2.8	2.7	-
2834	Pharmaceutical preparations	40.2	40.1	40.6	40.5	-	2.4	2.5	2.8	2.6	-

See footnotes at end of table.



# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
284	Soap, cleaners, and toilet goods .....	\$366.62	\$374.74	\$387.99	\$390.67	-	\$9.03	\$9.14	\$9.58	\$9.67	-
2841	Soap and other detergents .....	499.80	514.61	528.73	534.14	-	11.76	11.83	12.47	12.48	-
2844	Toilet preparations .....	267.36	287.17	305.73	308.90	-	7.22	7.27	7.74	7.88	-
2842, 3	Polishing, sanitation, and finishing preparations .....	343.01	357.75	362.10	362.06	-	8.64	8.79	9.03	9.12	-
285	Paints and allied products .....	355.20	358.35	379.73	380.89	-	8.88	8.87	9.33	9.29	-
286	Industrial organic chemicals .....	488.31	497.70	539.32	537.21	-	11.71	11.85	12.66	12.70	-
2865	Cyclic crudes and intermediates .....	457.85	467.87	502.98	500.03	-	11.14	11.22	12.12	12.02	-
2861, 9	Gum, wood, and industrial organic chemicals, nec .....	498.19	507.73	549.55	548.25	-	11.89	12.06	12.81	12.90	-
287	Agricultural chemicals .....	398.65	400.19	417.63	426.86	-	9.38	9.62	9.92	9.65	-
289	Miscellaneous chemical products .....	367.74	373.18	386.38	391.81	-	9.08	9.26	9.47	9.51	-
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	549.63	553.83	581.23	578.60	\$579.47	12.52	12.53	13.27	13.21	\$13.23
291	Petroleum refining .....	596.74	600.32	633.93	630.73	-	13.44	13.46	14.31	14.27	-
295	Paving and roofing materials .....	391.68	409.03	399.08	410.02	-	9.13	9.36	9.39	9.58	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b> .....	300.53	307.17	326.75	327.95	327.95	7.57	7.66	7.95	7.96	7.96
301	Tires and inner tubes .....	467.48	478.88	513.52	516.43	-	11.60	11.68	12.14	12.18	-
302	Rubber and plastics footwear .....	201.37	200.46	196.73	199.56	-	5.15	5.14	5.15	5.17	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting .....	321.16	334.15	323.51	315.26	-	8.11	8.15	8.19	8.21	-
306	Fabricated rubber products, nec .....	280.21	292.25	303.96	307.40	-	7.13	7.27	7.58	7.59	-
307	Miscellaneous plastics products .....	273.93	278.10	299.52	301.08	-	6.90	6.97	7.27	7.29	-
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	191.52	196.35	201.48	204.42	207.90	5.32	5.35	5.52	5.51	5.50
311	Leather tanning and finishing .....	278.48	287.43	304.09	306.06	-	7.05	7.15	7.49	7.52	-
314	Footwear, except rubber .....	181.86	186.95	187.43	192.15	-	5.08	5.15	5.25	5.25	-
3143	Men's footwear, except athletic .....	191.33	196.74	200.57	202.57	-	5.30	5.39	5.48	5.46	-
3144	Women's footwear, except athletic .....	177.15	183.32	181.96	188.34	-	4.99	5.05	5.14	5.16	-
316	Luggage .....	202.65	205.92	234.60	230.89	-	5.84	5.72	6.19	6.06	-
317	Handbags and personal leather goods .....	178.78	181.06	189.89	195.29	-	4.98	4.92	5.16	5.18	-
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	395.61	400.86	413.79	415.25	420.22	10.17	10.20	10.72	10.73	10.72
	<b>RAILROAD TRANSPORTATION:</b>										
4011	Class I railroads .....	468.54	491.12	528.34	-	-	11.29	11.29	12.67	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b> .....	242.82	248.40	248.37	250.98	-	7.10	7.20	7.37	7.36	-
411	Local and suburban transportation .....	298.31	300.99	317.52	313.89	-	7.61	7.62	8.10	8.09	-
413	Intercity highway transportation** .....	398.56	416.88	432.98	438.45	-	11.42	11.58	11.83	11.63	-
42	<b>TRUCKING AND WAREHOUSING</b> .....	397.45	397.70	394.63	401.00	-	10.27	10.25	10.44	10.47	-
421, 3	Trucking and trucking terminals .....	405.19	405.46	402.88	409.34	-	10.47	10.45	10.63	10.66	-
422	Public warehousing .....	278.51	285.57	283.88	288.42	-	7.31	7.36	7.57	7.61	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b> .....	526.18	529.91	576.85	579.51	-	12.41	12.41	13.90	14.10	-
48	<b>COMMUNICATION</b> .....	390.25	395.00	414.29	414.57	-	9.93	10.00	10.65	10.63	-
481	Telephone communication .....	405.82	413.76	442.86	443.59	-	10.30	10.37	11.24	11.23	-
4817	Switchboard operating employees .....	293.46	293.72	321.73	332.22	-	8.76	8.69	9.72	9.80	-
4818	Line construction employees* .....	499.80	514.03	541.80	535.04	-	11.90	12.01	12.90	12.80	-
483	Radio and television broadcasting .....	327.24	333.90	325.09	325.46	-	8.68	8.81	8.81	8.82	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b> .....	436.24	440.08	469.48	467.40	-	10.64	10.63	11.34	11.40	-
491	Electric services .....	444.64	452.76	478.92	475.27	-	10.74	10.78	11.43	11.48	-
492	Gas production and distribution .....	392.12	386.92	415.55	417.44	-	9.73	9.53	10.21	10.41	-
493	Combination utility services .....	501.35	499.37	541.37	540.47	-	12.11	12.15	13.14	13.15	-
496	Sanitary services .....	343.94	349.25	363.37	370.40	-	8.43	8.56	8.95	8.84	-
-	<b>WHOLESALE AND RETAIL TRADE</b> .....	197.46	198.38	203.18	205.75	207.05	6.19	6.18	6.45	6.47	6.45
50, 51	<b>WHOLESALE TRADE</b> .....	306.02	306.46	319.42	321.86	323.15	7.99	7.96	8.34	8.36	8.35
50	<b>WHOLESALE TRADE-DURABLE GOODS</b> .....	307.67	308.49	319.66	322.92	-	7.95	7.91	8.26	8.28	-
501	Motor vehicles and automotive equipment .....	275.04	277.53	286.51	289.17	-	7.20	7.19	7.52	7.55	-
502	Furniture and home furnishings .....	273.43	273.06	283.49	280.50	-	7.37	7.36	7.58	7.48	-
503	Lumber and construction materials .....	307.67	307.32	308.05	312.03	-	7.95	7.88	7.96	7.96	-
504	Sporting goods, toys, and hobby goods .....	322.33	317.81	333.00	339.84	-	8.59	8.43	8.88	8.85	-

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				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
284	Soap, cleaners, and toilet goods	40.6	41.0	40.5	40.4	-	2.3	2.8	2.6	2.9	-
2841	Soap and other detergents	42.5	43.5	42.4	42.8	-	3.6	4.1	4.2	4.2	-
2844	Toilet preparations	39.8	39.5	39.5	39.2	-	1.7	2.0	1.7	2.5	-
2842, 3	Polishing, sanitation, and finishing preparations	39.7	40.7	40.1	39.7	-	1.6	2.5	2.2	1.8	-
285	Paints and allied products	40.0	40.4	40.7	41.0	-	2.4	2.6	2.8	2.9	-
286	Industrial organic chemicals	41.7	42.0	42.6	42.3	-	2.9	3.0	3.5	3.5	-
2865	Cyclic crudes and intermediates	41.1	41.7	41.5	41.6	-	2.1	2.5	3.1	3.4	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	41.9	42.1	42.9	42.5	-	3.1	3.2	3.6	3.5	-
287	Agricultural chemicals	42.5	41.6	42.1	42.9	-	4.0	3.3	4.0	4.6	-
289	Miscellaneous chemical products	40.5	40.3	40.8	41.2	-	2.3	2.4	2.7	3.0	-
29	<b>PETROLEUM AND COAL PRODUCTS</b>	43.9	44.2	43.8	43.8	43.8	4.1	4.1	4.0	3.9	-
291	Petroleum refining	44.4	44.6	44.3	44.2	-	3.9	3.7	3.9	3.6	-
295	Paving and roofing materials	42.9	43.7	42.5	42.8	-	5.5	6.4	5.3	5.8	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	39.7	40.1	41.1	41.2	41.2	2.6	2.8	3.3	3.4	-
301	Tires and inner tubes	40.3	41.0	42.3	42.4	-	2.6	2.6	3.3	3.7	-
302	Rubber and plastics footwear	39.1	39.0	38.2	38.6	-	1.6	1.9	1.7	1.8	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	39.6	41.0	39.5	38.4	-	2.0	2.1	2.2	1.9	-
306	Fabricated rubber products, nec	39.3	40.2	40.1	40.5	-	2.3	2.5	2.5	2.7	-
307	Miscellaneous plastics products	39.7	39.9	41.2	41.3	-	2.8	2.9	3.5	3.6	-
31	<b>LEATHER AND LEATHER PRODUCTS</b>	36.0	36.7	36.5	37.1	37.8	1.4	1.6	1.1	1.4	-
311	Leather tanning and finishing	39.5	40.2	40.6	40.7	-	2.7	3.1	3.3	3.6	-
314	Footwear, except rubber	35.8	36.3	35.7	36.6	-	1.2	1.5	.8	1.2	-
3143	Men's footwear, except athletic	36.1	36.5	36.6	37.1	-	1.0	1.3	.6	.9	-
3144	Women's footwear, except athletic	35.5	36.3	35.4	36.5	-	1.4	2.0	1.0	1.5	-
316	Luggage	34.7	36.0	37.9	38.1	-	2.7	2.2	1.6	1.9	-
317	Handbags and personal leather goods	35.9	36.8	36.8	37.7	-	.9	1.0	.7	.9	-
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	38.9	39.3	38.6	38.7	39.2	-	-	-	-	-
4011	<b>RAILROAD TRANSPORTATION:</b> Class I railroads <sup>2</sup>	41.5	43.5	41.7	-	-	-	-	-	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>	34.2	34.5	33.7	34.1	-	-	-	-	-	-
411	Local and suburban transportation	39.2	39.5	39.2	38.8	-	-	-	-	-	-
413	Intercity highway transportation**	34.9	36.0	36.6	37.7	-	-	-	-	-	-
42	<b>TRUCKING AND WAREHOUSING</b>	36.7	38.8	37.8	38.3	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	38.7	38.8	37.9	38.4	-	-	-	-	-	-
422	Public warehousing	38.1	38.8	37.5	37.9	-	-	-	-	-	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b>	42.4	42.7	41.5	41.1	-	-	-	-	-	-
48	<b>COMMUNICATION</b>	39.3	39.5	38.9	39.0	-	-	-	-	-	-
481	Telephone communication	39.4	39.9	39.4	39.5	-	-	-	-	-	-
4817	Switchboard operating employees <sup>3</sup>	33.5	33.8	33.1	33.9	-	-	-	-	-	-
4818	Line construction employees <sup>4</sup>	42.0	42.8	42.0	41.8	-	-	-	-	-	-
483	Radio and television broadcasting	37.7	37.9	36.9	36.9	-	-	-	-	-	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	41.0	41.4	41.4	41.0	-	-	-	-	-	-
491	Electric services	41.4	42.0	41.9	41.4	-	-	-	-	-	-
492	Gas production and distribution	40.3	40.6	40.7	40.1	-	-	-	-	-	-
493	Combination utility services	41.4	41.1	41.2	41.1	-	-	-	-	-	-
495	Sanitary services	40.8	40.8	40.6	41.9	-	-	-	-	-	-
-	<b>WHOLESALE AND RETAIL TRADE</b>	31.9	32.1	31.5	31.8	32.1	-	-	-	-	-
50, 51	<b>WHOLESALE TRADE</b>	38.3	38.5	38.3	38.5	38.7	-	-	-	-	-
50	<b>WHOLESALE TRADE-DURABLE GOODS</b>	38.7	39.0	38.7	39.0	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	38.2	38.6	38.1	38.3	-	-	-	-	-	-
502	Furniture and home furnishings	37.1	37.1	37.4	37.5	-	-	-	-	-	-
503	Lumber and construction materials	38.7	39.0	38.7	39.2	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	37.5	37.7	37.5	38.4	-	-	-	-	-	-

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				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
	<b>WHOLESALE TRADE-DURABLE GOODS—Continued</b>										
506	Metals and minerals, except petroleum .....	\$351.53	\$350.75	\$363.20	\$362.86	-	\$9.06	\$9.04	\$9.08	\$9.14	-
506	Electrical goods .....	328.18	331.01	347.38	347.88	-	8.48	8.38	8.93	8.92	-
507	Hardware, plumbing, and heating equipment .....	287.96	287.90	299.15	303.02	-	7.46	7.42	7.75	7.83	-
506	Machinery, equipment, and supplies .....	319.84	320.69	334.31	337.66	-	8.18	8.16	8.55	8.57	-
509	Miscellaneous durable goods .....	247.49	248.35	260.30	263.50	-	6.53	6.57	6.85	6.88	-
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> .....	305.47	305.52	318.10	321.01	-	8.06	8.04	8.46	8.47	-
511	Paper and paper products .....	326.13	327.25	337.35	343.16	-	8.75	8.75	9.02	9.20	-
512	Drugs, proprietaries, and sundries .....	327.57	330.48	337.82	341.69	-	8.95	8.86	9.23	9.26	-
513	Apparel, piece goods, and notions .....	267.55	265.72	305.41	304.96	-	7.33	7.32	8.21	8.22	-
514	Groceries and related products .....	304.38	303.66	322.62	325.17	-	8.01	7.97	8.49	8.49	-
518	Chemicals and allied products .....	365.16	369.59	381.75	387.30	-	9.46	9.55	9.89	9.88	-
517	Petroleum and petroleum products .....	372.56	380.55	392.44	387.30	-	9.48	9.49	9.91	9.83	-
518	Beer, wine, and distilled beverages .....	352.23	352.91	363.24	368.08	-	9.65	9.59	10.09	10.14	-
519	Miscellaneous nondurable goods .....	254.65	250.87	255.13	260.30	-	6.58	6.55	6.84	6.85	-
52-59	<b>RETAIL TRADE</b> .....	162.71	164.35	167.29	169.59	\$171.87	5.46	5.46	5.69	5.71	\$5.71
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	215.39	217.18	217.62	220.46	-	5.95	5.95	6.20	6.21	-
521	Lumber and other building materials .....	235.49	236.22	231.84	236.89	-	6.23	6.20	6.44	6.49	-
525	Hardware stores .....	178.80	180.60	183.58	182.27	-	5.29	5.25	5.48	5.49	-
53	<b>GENERAL MERCHANDISE STORES</b> .....	156.06	157.63	162.14	165.00	-	5.40	5.38	5.63	5.67	-
531	Department stores .....	161.55	162.64	166.74	170.81	-	5.59	5.57	5.83	5.89	-
533	Variety stores .....	126.15	129.21	127.01	126.87	-	4.35	4.38	4.32	4.33	-
539	Misc. general merchandise stores .....	129.35	131.50	137.24	136.78	-	4.37	4.34	4.59	4.59	-
54	<b>FOOD STORES</b> .....	218.79	224.64	223.50	225.74	-	7.15	7.20	7.45	7.45	-
541	Grocery stores .....	227.49	234.99	233.14	235.77	-	7.41	7.46	7.72	7.73	-
546	Retail bakeries .....	144.00	146.58	140.48	142.61	-	5.00	5.02	5.09	5.13	-
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	238.61	236.37	246.12	249.31	-	6.38	6.32	6.67	6.72	-
551, 2	New and used car dealers .....	284.23	280.42	298.62	302.44	-	7.46	7.36	7.90	7.98	-
553	Auto and home supply stores .....	243.41	239.98	242.80	244.77	-	6.04	5.94	6.07	6.15	-
554	Gasoline service stations .....	179.28	178.11	177.85	182.35	-	5.05	5.06	5.17	5.21	-
56	<b>APPAREL AND ACCESSORY STORES</b> .....	135.80	138.23	138.72	139.33	-	4.85	4.85	4.99	5.03	-
561	Men's and boys' clothing and furnishings .....	174.51	173.95	172.02	175.07	-	5.54	5.47	5.64	5.74	-
562	Women's ready-to-wear stores .....	121.05	123.12	124.42	125.76	-	4.50	4.51	4.66	4.71	-
565	Family clothing stores .....	134.14	139.68	138.11	138.22	-	4.74	4.85	4.95	4.99	-
566	Shoe stores .....	138.68	141.15	146.92	146.68	-	5.08	4.97	5.21	5.22	-
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b> .....	210.06	213.28	220.38	222.05	-	6.16	6.20	6.52	6.55	-
571	Furniture and home furnishings stores .....	208.88	212.44	219.98	221.03	-	6.18	6.23	6.47	6.52	-
572	Household appliance stores .....	225.50	233.69	230.10	232.87	-	6.48	6.62	6.91	6.91	-
573	Radio, television, and music stores .....	204.66	203.55	214.43	218.96	-	5.95	5.90	6.42	6.44	-
58	<b>EATING AND DRINKING PLACES</b> <sup>5</sup> .....	106.90	107.71	110.24	112.99	-	4.08	4.08	4.24	4.28	-
59	<b>MISCELLANEOUS RETAIL</b> .....	166.70	167.23	171.67	173.71	-	5.36	5.36	5.61	5.64	-
591	Drug stores and proprietary stores .....	147.10	148.34	149.77	151.43	-	5.09	5.08	5.33	5.37	-
594	Miscellaneous shopping goods stores .....	150.20	151.39	151.85	152.49	-	4.99	4.98	5.13	5.10	-
596	Nonstore retailers .....	201.35	203.52	212.17	216.12	-	6.12	6.13	6.41	6.49	-
598	Fuel and ice dealers .....	266.58	266.25	287.28	284.24	-	7.09	7.10	7.58	7.60	-
599	Retail stores, nec .....	184.76	181.60	186.05	192.06	-	5.45	5.47	5.76	5.82	-
-	<b>FINANCE, INSURANCE, AND REAL ESTATE</b> <sup>6</sup> .....	245.39	242.23	261.00	265.35	261.00	6.76	6.71	7.23	7.31	7.25
60	<b>BANKING</b> .....	211.91	209.66	225.57	228.75	-	5.79	5.76	6.18	6.25	-
602	Commercial and stock savings banks .....	208.25	206.02	219.49	223.26	-	5.69	5.66	6.03	6.10	-
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	221.40	218.73	233.21	237.91	-	6.00	5.96	6.32	6.43	-
612	Savings and loan associations .....	202.00	198.55	207.36	210.37	-	5.58	5.50	5.76	5.86	-
614	Personal credit institutions .....	224.65	222.60	243.17	246.46	-	6.04	6.00	6.45	6.52	-
63	<b>INSURANCE CARRIERS</b> .....	282.72	282.31	300.88	302.88	-	7.60	7.63	8.11	8.12	-
631	Life insurance .....	289.01	290.86	302.86	300.74	-	7.79	7.84	8.23	8.15	-
632	Medical service and health insurance .....	272.86	269.72	290.68	294.84	-	7.20	7.27	7.69	7.80	-
633	Fire, marine, and casualty insurance .....	279.33	277.45	301.99	303.92	-	7.57	7.56	8.14	8.17	-

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				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
	<b>WHOLESALE TRADE-DURABLE GOODS—Continued</b>										
505	Metals and minerals, except petroleum .....	38.8	38.8	40.0	39.7	-	-	-	-	-	
506	Electrical goods .....	38.7	39.5	38.9	39.0	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment .....	38.6	38.8	38.6	38.7	-	-	-	-	-	
508	Machinery, equipment, and supplies .....	39.1	39.3	39.1	39.4	-	-	-	-	-	
509	Miscellaneous durable goods .....	37.9	37.8	38.0	38.3	-	-	-	-	-	
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> ..	37.9	38.0	37.6	37.9	-	-	-	-	-	
511	Paper and paper products .....	37.5	37.4	37.4	37.3	-	-	-	-	-	
512	Drugs, proprietaries, and sundries .....	36.6	37.3	36.6	36.9	-	-	-	-	-	
513	Apparel, piece goods, and notions .....	36.5	36.3	37.2	37.1	-	-	-	-	-	
514	Groceries and related products .....	36.0	38.1	38.0	38.3	-	-	-	-	-	
516	Chemicals and allied products .....	38.6	38.7	38.6	39.2	-	-	-	-	-	
517	Petroleum and petroleum products .....	39.3	40.1	39.6	39.4	-	-	-	-	-	
518	Beer, wine, and distilled beverages .....	36.5	36.8	36.0	36.3	-	-	-	-	-	
519	Miscellaneous nondurable goods .....	36.7	38.3	37.3	38.0	-	-	-	-	-	
52-59	<b>RETAIL TRADE</b> .....	29.8	30.1	29.4	29.7	30.1	-	-	-	-	
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	36.2	36.5	35.1	35.5	-	-	-	-	-	
521	Lumber and other building materials .....	37.8	38.1	36.0	36.5	-	-	-	-	-	
525	Hardware stores .....	33.8	34.4	33.5	33.2	-	-	-	-	-	
53	<b>GENERAL MERCHANDISE STORES</b> .....	28.9	29.3	28.8	29.1	-	-	-	-	-	
531	Department stores .....	28.9	29.2	28.6	29.0	-	-	-	-	-	
533	Variety stores .....	29.0	29.5	29.4	29.3	-	-	-	-	-	
539	Misc. general merchandise stores .....	29.6	30.3	29.9	29.8	-	-	-	-	-	
54	<b>FOOD STORES</b> .....	30.6	31.2	30.0	30.3	-	-	-	-	-	
541	Grocery stores .....	30.7	31.5	30.2	30.5	-	-	-	-	-	
546	Retail bakeries .....	28.8	29.2	27.6	27.8	-	-	-	-	-	
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	37.4	37.4	36.9	37.1	-	-	-	-	-	
551, 2	New and used car dealers .....	38.1	38.1	37.8	37.9	-	-	-	-	-	
553	Auto and home supply stores .....	40.3	40.4	40.0	39.8	-	-	-	-	-	
554	Gasoline service stations .....	35.5	35.2	34.4	35.0	-	-	-	-	-	
56	<b>APPAREL AND ACCESSORY STORES</b> .....	28.0	28.5	27.8	27.7	-	-	-	-	-	
561	Men's and boys' clothing and furnishings .....	31.5	31.8	30.5	30.5	-	-	-	-	-	
562	Women's ready-to-wear stores .....	26.9	27.3	26.7	26.7	-	-	-	-	-	
565	Family clothing stores .....	28.3	28.8	27.9	27.7	-	-	-	-	-	
566	Shoe stores .....	27.3	28.4	28.2	28.1	-	-	-	-	-	
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b> .....	34.1	34.4	33.8	33.9	-	-	-	-	-	
571	Furniture and home furnishings stores .....	33.8	34.1	34.0	33.9	-	-	-	-	-	
572	Household appliance stores .....	34.8	35.3	33.3	33.7	-	-	-	-	-	
573	Radio, television, and music stores .....	34.4	34.5	33.4	34.0	-	-	-	-	-	
58	<b>EATING AND DRINKING PLACES</b> .....	26.2	26.4	26.0	26.4	-	-	-	-	-	
59	<b>MISCELLANEOUS RETAIL</b> .....	31.1	31.2	30.6	30.8	-	-	-	-	-	
591	Drug stores and proprietary stores .....	28.9	29.2	28.1	28.2	-	-	-	-	-	
594	Miscellaneous shopping goods stores .....	30.1	30.4	29.6	29.9	-	-	-	-	-	
596	Nonstore retailers .....	32.9	33.2	33.1	33.3	-	-	-	-	-	
598	Fuel and ice dealers .....	37.6	37.5	37.9	37.4	-	-	-	-	-	
599	Retail stores, nec .....	33.9	33.2	32.3	33.0	-	-	-	-	-	
-	<b>FINANCE, INSURANCE, AND REAL ESTATE</b> ..	36.3	36.1	36.1	36.3	36.0	-	-	-	-	
60	<b>BANKING</b> .....	36.6	36.4	36.5	36.6	-	-	-	-	-	
602	Commercial and stock savings banks .....	36.6	36.4	36.4	36.6	-	-	-	-	-	
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	36.9	36.7	36.9	37.0	-	-	-	-	-	
612	Savings and loan associations .....	36.2	36.1	36.0	35.9	-	-	-	-	-	
614	Personal credit institutions .....	37.2	37.1	37.7	37.8	-	-	-	-	-	
63	<b>INSURANCE CARRIERS</b> .....	37.2	37.0	37.1	37.3	-	-	-	-	-	
631	Life insurance .....	37.1	37.1	36.8	36.9	-	-	-	-	-	
632	Medical service and health insurance .....	37.9	37.1	37.8	37.8	-	-	-	-	-	
633	Fire, marine, and casualty insurance .....	36.9	36.7	37.1	37.2	-	-	-	-	-	

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				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
-	<b>SERVICES</b> .....	\$222.63	\$224.35	\$234.72	\$236.09	\$237.27	\$6.85	\$6.84	\$7.20	\$7.22	\$7.19
	<b>HOTELS AND OTHER LODGING PLACES:</b>										
701	Hotels, motels, and tourist courts .....	152.20	152.91	157.86	162.44	-	4.99	5.03	5.21	5.24	-
	<b>PERSONAL SERVICES:</b>										
721	Laundry, cleaning, and garment services .....	171.36	171.52	180.30	184.00	-	5.10	5.12	5.35	5.38	-
723	Beauty shops <sup>2</sup> .....	154.92	157.86	155.98	156.35	-	5.03	5.21	5.36	5.41	-
	<b>BUSINESS SERVICES</b> .....										
73	Advertising .....	227.27	226.98	243.02	245.89	-	6.95	6.92	7.32	7.34	-
731	Services to buildings .....	331.87	327.96	340.92	358.19	-	9.27	9.11	9.47	9.76	-
734	Computer and data processing services .....	149.76	152.28	161.98	168.98	-	5.63	5.64	5.89	5.95	-
737	Automotive repair shops .....	319.60	310.12	345.43	354.12	-	8.62	8.45	8.88	9.08	-
	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....										
75	Automotive repair shops .....	252.21	253.64	257.37	261.20	-	6.69	6.71	6.90	6.91	-
753	Miscellaneous repair services .....	278.97	280.86	287.15	290.16	-	7.19	7.22	7.42	7.44	-
	<b>MISCELLANEOUS REPAIR SERVICES</b> .....										
76	Motion picture production and services .....	303.72	308.80	313.50	316.74	-	7.93	8.00	8.25	8.27	-
	<b>MOTION PICTURES</b> .....										
78	Motion picture production and services .....	222.22	232.96	274.45	268.11	-	8.58	8.32	9.98	9.93	-
781	Amusement and recreation services .....	454.48	463.64	520.06	541.95	-	12.52	12.43	13.98	14.15	-
	<b>AMUSEMENT AND RECREATION SERVICES</b> .....										
79	Offices of physicians .....	186.06	185.13	186.35	189.10	-	6.35	6.05	6.36	6.41	-
	<b>HEALTH SERVICES</b> .....										
80	Offices of dentists .....	224.98	228.39	237.00	238.06	-	6.88	6.90	7.27	7.28	-
801	Nursing and personal care facilities .....	214.93	217.73	228.24	227.84	-	6.78	6.72	7.20	7.21	-
802	Hospitals .....	187.99	189.89	200.78	201.35	-	6.69	6.71	7.12	7.14	-
805	Legal services .....	150.41	151.83	157.44	158.26	-	4.79	4.82	5.03	5.04	-
806	Engineering and architectural services .....	251.88	256.62	271.54	272.68	-	7.43	7.46	8.01	8.02	-
	<b>LEGAL SERVICES</b> .....										
81	Accounting, auditing, and bookkeeping .....	297.35	297.91	314.86	323.99	-	8.72	8.61	9.10	9.31	-
	<b>MISCELLANEOUS SERVICES</b> .....										
89	Engineering and architectural services .....	389.89	394.98	416.45	411.95	-	10.18	10.18	10.49	10.70	-
891	Accounting, auditing, and bookkeeping .....	430.25	429.26	456.19	455.04	-	10.92	10.84	11.52	11.52	-
893	Accounting, auditing, and bookkeeping .....	317.32	319.03	357.98	341.56	-	8.53	8.44	8.71	9.06	-

<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 nonsupervisory 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.

\*\* Data for March 1983 for sic 413, Intercity highway transportation are \$394.46 (AWE), \$11.74 (AHE), and 33.6 (AWH).

NOTE: Data from April 1982 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" under the Establishment Data section of the Explanatory Notes.

**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				
		May 1982	June 1982	Apr. 1983	May 1983P	June 1983P	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
-	<b>SERVICES</b> .....	32.5	32.8	32.6	32.7	33.0	-	-	-	-	-
701	<b>HOTELS AND OTHER LODGING PLACES:</b>										
	Hotels, motels, and tourist courts <sup>5</sup> .....	30.5	30.4	30.3	31.0	-	-	-	-	-	
	<b>PERSONAL SERVICES:</b>										
721	Laundry, cleaning, and garment services .....	33.6	33.5	33.7	34.2	-	-	-	-	-	
723	Beauty shops <sup>5</sup> .....	30.8	30.3	29.1	28.9	-	-	-	-	-	
73	<b>BUSINESS SERVICES</b> .....	32.7	32.8	33.2	33.5	-	-	-	-	-	
731	Advertising .....	35.8	36.0	36.0	36.7	-	-	-	-	-	
734	Services to buildings .....	26.6	27.0	27.5	28.4	-	-	-	-	-	
737	Computer and data processing services .....	37.1	36.7	38.9	39.0	-	-	-	-	-	
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	37.7	37.8	37.3	37.8	-	-	-	-	-	
753	Automotive repair shops .....	38.8	38.9	38.7	39.0	-	-	-	-	-	
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	38.3	38.6	38.0	38.3	-	-	-	-	-	
78	<b>MOTION PICTURES</b> .....	25.9	28.0	27.5	27.0	-	-	-	-	-	
781	Motion picture production and services .....	36.3	37.3	37.2	38.3	-	-	-	-	-	
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	29.3	30.6	29.3	29.5	-	-	-	-	-	
80	<b>HEALTH SERVICES</b> .....	32.7	33.1	32.6	32.7	-	-	-	-	-	
801	Offices of physicians .....	31.7	32.4	31.7	31.6	-	-	-	-	-	
802	Offices of dentists .....	26.1	28.3	28.2	28.2	-	-	-	-	-	
805	Nursing and personal care facilities .....	31.4	31.5	31.3	31.4	-	-	-	-	-	
806	Hospitals .....	33.9	34.4	33.9	34.0	-	-	-	-	-	
81	<b>LEGAL SERVICES</b> .....	34.1	34.6	34.6	34.8	-	-	-	-	-	
89	<b>MISCELLANEOUS SERVICES</b> .....	36.3	38.8	39.7	38.5	-	-	-	-	-	
891	Engineering and architectural services .....	39.4	39.6	39.6	39.5	-	-	-	-	-	
893	Accounting, auditing, and bookkeeping .....	37.2	37.8	41.1	37.7	-	-	-	-	-	

# 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>				
	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
<b>MANUFACTURING</b> .....	\$8.22	\$8.25	\$8.48	\$8.49	\$8.50
<b>DURABLE GOODS</b> .....	8.78	8.81	9.02	9.04	9.04
Lumber and wood products .....	7.15	7.30	7.47	7.47	-
Furniture and fixtures .....	6.11	6.17	6.35	6.35	-
Stone, clay, and glass products .....	8.43	8.47	8.76	8.79	-
Primary metal industries .....	10.96	11.01	10.89	10.91	-
Fabricated metal products .....	8.56	8.58	8.79	8.80	-
Machinery, except electrical .....	9.04	9.04	9.22	9.33	-
Electric and electronic equipment .....	7.92	7.95	8.37	8.36	-
Transportation equipment .....	10.70	10.78	11.05	11.05	-
Instruments and related products .....	7.85	7.91	8.28	8.30	-
Miscellaneous manufacturing industries .....	6.26	6.29	6.61	6.66	-
<b>NONDURABLE GOODS</b> .....	7.43	7.46	7.75	7.75	7.76
Food and kindred products .....	7.61	7.59	7.88	7.85	-
Tobacco manufactures .....	9.81	10.15	10.50	10.63	-
Textile mill products .....	5.63	5.64	5.89	5.89	-
Apparel and other textile products .....	5.12	5.12	5.26	5.24	-
Paper and allied products .....	8.75	8.86	9.26	9.32	-
Printing and publishing .....	8.40	8.45	8.75	8.79	-
Chemicals and allied products .....	9.51	9.61	10.07	10.12	-
Petroleum and coal products .....	11.96	11.98	12.69	12.64	-
Rubber and misc. plastics products .....	7.33	7.40	7.64	7.65	-
Leather and leather products .....	5.22	5.24	5.44	5.41	-

<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	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
<b>TOTAL PRIVATE:</b>					
Current dollars .....	\$265.87	\$267.40	\$275.52	\$278.95	\$281.34
Constant (1977) dollars .....	168.38	167.33	169.55	170.82	-
<b>MINING:</b>					
Current dollars .....	453.90	461.38	469.25	470.82	\$486.06
Constant (1977) dollars .....	287.46	288.72	288.77	288.32	-
<b>CONSTRUCTION:</b>					
Current dollars .....	431.63	430.13	436.73	442.50	\$445.36
Constant (1977) dollars .....	273.36	269.17	268.76	270.97	-
<b>MANUFACTURING:</b>					
Current dollars .....	329.94	334.05	349.05	350.32	\$355.04
Constant (1977) dollars .....	208.96	209.04	214.80	214.53	-
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>					
Current dollars .....	395.61	400.86	413.79	415.25	\$420.22
Constant (1977) dollars .....	250.54	250.85	254.64	254.29	-
<b>WHOLESALE AND RETAIL TRADE:</b>					
Current dollars .....	197.46	198.38	203.18	205.75	\$207.05
Constant (1977) dollars .....	125.05	124.14	125.03	126.00	-
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>					
Current dollars .....	245.39	242.23	261.00	265.35	\$261.00
Constant (1977) dollars .....	155.41	151.58	160.62	162.49	-
<b>SERVICES:</b>					
Current dollars .....	222.63	224.35	234.72	236.09	\$237.27
Constant (1977) dollars .....	140.99	140.39	144.44	144.57	-

<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	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P.
	Hours				
<b>TOTAL PRIVATE</b> .....	105.1	106.4	102.8	104.8	107.5
<b>GOODS-PRODUCING</b> .....	93.1	93.9	87.9	90.7	94.0
<b>MINING</b> .....	137.3	135.9	107.7	110.0	115.7
<b>CONSTRUCTION</b> .....	104.9	107.7	91.5	101.4	109.8
<b>MANUFACTURING</b> .....	68.7	89.2	86.3	87.7	89.9
<b>DURABLE GOODS</b> .....	87.3	87.4	83.3	84.7	86.8
Lumber and wood products .....	77.5	80.8	86.0	90.4	96.7
Furniture and fixtures .....	64.9	86.4	91.1	91.7	94.5
Stone, clay, and glass products .....	81.8	83.4	78.9	82.0	85.8
Primary metal industries .....	71.2	71.3	64.8	65.1	66.6
Fabricated metal products .....	84.4	84.4	80.7	81.9	83.8
Machinery, except electrical .....	97.1	94.2	80.3	81.6	82.3
Electric and electronic equipment .....	97.2	97.9	96.7	98.0	100.4
Transportation equipment .....	83.9	83.9	83.4	84.7	86.1
Instruments and related products .....	109.2	110.0	100.6	101.6	103.1
Miscellaneous manufacturing industries .....	83.2	83.8	81.5	81.9	83.8
<b>NONDURABLE GOODS</b> .....	90.7	91.9	90.8	92.0	94.4
Food and kindred products .....	91.8	94.0	89.2	91.3	94.7
Tobacco manufactures .....	83.2	87.3	80.4	79.7	79.9
Textile mill products .....	76.9	75.8	79.2	80.3	82.5
Apparel and other textile products .....	86.5	88.9	86.7	88.5	91.4
Paper and allied products .....	92.3	93.9	92.3	93.6	96.0
Printing and publishing .....	105.6	105.4	107.6	107.1	106.7
Chemicals and allied products .....	96.3	96.5	94.6	94.9	96.7
Petroleum and coal products .....	93.7	95.3	93.4	93.8	96.3
Rubber and misc. plastics products .....	94.1	95.5	98.1	99.7	101.9
Leather and leather products .....	84.2	87.0	80.3	82.8	87.0
<b>SERVICE-PRODUCING</b> .....	111.8	113.3	111.1	112.6	114.9
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	102.7	104.3	98.5	99.4	101.8
<b>WHOLESALE AND RETAIL TRADE</b> .....	104.9	106.3	102.1	104.1	106.3
<b>WHOLESALE TRADE</b> .....	109.4	110.4	105.5	107.0	108.5
<b>RETAIL TRADE</b> .....	103.2	104.8	100.8	103.0	105.5
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	117.0	118.2	117.1	118.5	119.6
<b>SERVICES</b> .....	121.9	123.6	124.7	126.0	128.6

<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—Continued

(1977=100)

Industry division and group	May 1982	June 1982	Apr. 1983	May 1983P	June 1983P
	Payrolls				
<b>TOTAL PRIVATE</b> .....	153.0	154.9	155.5	159.1	163.2
<b>GOODS-PRODUCING</b> .....	139.0	140.9	135.3	139.9	145.6
<b>MINING</b> .....	210.2	210.9	175.0	177.7	188.8
<b>CONSTRUCTION</b> .....	149.0	152.4	134.3	147.7	158.8
<b>MANUFACTURING</b> .....	132.1	133.6	133.3	135.6	139.5
<b>DURABLE GOODS</b> .....	129.9	130.8	127.9	130.4	134.2
Lumber and wood products .....	112.0	119.5	130.6	137.6	148.6
Furniture and fixtures .....	121.7	125.3	136.7	137.6	143.0
Stone, clay, and glass products .....	123.7	127.0	124.4	130.0	137.2
Primary metal industries .....	107.9	108.8	98.5	99.2	101.6
Fabricated metal products .....	125.5	126.0	124.0	126.1	129.4
Machinery, except electrical .....	144.0	139.9	121.6	125.0	126.7
Electric and electronic equipment .....	146.0	147.8	154.3	156.3	161.6
Transportation equipment .....	127.7	129.2	132.0	133.8	136.8
Instruments and related products .....	165.2	167.9	160.9	162.6	164.8
Miscellaneous manufacturing industries .....	121.8	123.4	126.2	127.8	130.3
<b>NONDURABLE GOODS</b> .....	136.0	138.6	142.7	144.7	148.7
Food and kindred products .....	135.4	138.5	136.2	139.0	144.7
Tobacco manufactures .....	149.1	163.2	153.9	154.5	153.9
Textile mill products .....	111.6	110.3	122.0	123.8	127.4
Apparel and other textile products .....	123.7	127.5	127.9	129.8	135.4
Paper and allied products .....	141.6	146.1	150.6	153.8	159.7
Printing and publishing .....	148.7	149.3	158.8	158.6	158.2
Chemicals and allied products .....	146.9	149.1	153.4	154.9	158.3
Petroleum and coal products .....	149.5	152.5	158.3	158.2	162.8
Rubber and misc. plastics products .....	137.8	141.4	150.7	153.5	156.7
Leather and leather products .....	124.2	129.1	122.9	126.6	132.7
<b>SERVICE-PRODUCING</b> .....	162.9	164.9	169.9	172.7	175.6
<b>TRANSPORTATION AND PUBLIC   UTILITIES</b> .....	149.4	152.1	150.9	152.5	156.1
<b>WHOLESALE AND RETAIL   TRADE</b> .....	151.8	153.6	153.9	157.3	160.5
<b>WHOLESALE TRADE</b> .....	162.2	163.1	163.3	165.8	168.0
<b>RETAIL TRADE</b> .....	146.2	148.5	148.9	152.8	156.4
<b>FINANCE, INSURANCE, AND   REAL ESTATE</b> .....	174.2	174.6	186.2	190.7	190.9
<b>SERVICES</b> .....	179.4	181.6	193.2	195.7	198.7

## ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

**C-6. Average weekly hours of production or nonsupervisory workers<sup>1</sup> on private<sup>2</sup> nonagricultural payrolls  
by industry division and major manufacturing group, seasonally adjusted**

Industry	1982							1983					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May <sup>p</sup>	June <sup>p</sup>
<b>TOTAL PRIVATE</b> .....	34.9	34.9	34.8	34.8	34.7	34.7	34.8	35.1	34.5	34.8	34.9	35.1	35.1
<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> .....	39.1	39.1	39.0	38.8	38.9	39.0	39.0	39.7	39.2	39.5	40.1	39.9	40.1
<i>Overtime hours</i> .....	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.6	2.9	2.7	2.9
<b>DURABLE GOODS</b> .....	39.6	39.6	39.4	39.1	39.2	39.3	39.3	40.1	39.7	39.9	40.5	40.4	40.5
<i>Overtime hours</i> .....	2.2	2.2	2.2	2.1	2.1	2.1	2.2	2.2	2.3	2.5	2.8	2.6	2.8
Lumber and wood products .....	38.4	38.5	38.2	38.4	38.1	38.7	38.8	40.5	39.5	39.5	40.0	39.8	39.9
Furniture and fixtures .....	37.6	37.4	37.8	37.5	37.5	37.6	37.8	38.6	37.9	38.3	39.3	39.2	39.5
Stone, clay, and glass products .....	40.3	40.5	40.2	40.2	40.2	40.2	40.1	41.4	40.5	40.6	41.0	41.2	41.5
Primary metal industries .....	38.8	38.8	38.6	37.8	38.2	38.3	38.8	38.9	39.1	39.4	39.9	40.2	40.2
Fabricated metal products .....	39.4	39.4	39.2	38.9	39.0	39.2	39.2	39.9	39.6	39.7	40.5	40.4	40.4
Machinery, except electrical .....	39.7	39.8	39.4	39.2	39.3	39.3	39.3	39.6	39.4	39.7	40.2	40.0	40.2
Electric and electronic equipment .....	39.4	39.6	39.3	39.0	39.2	39.3	39.4	39.9	39.5	39.8	40.4	40.3	40.5
Transportation equipment .....	41.3	40.9	40.6	40.1	40.4	40.9	40.1	41.6	41.2	41.7	42.3	41.6	42.0
Instruments and related products .....	40.1	40.1	40.0	39.9	39.6	39.4	39.7	40.4	39.7	40.0	40.5	40.3	40.1
Miscellaneous manufacturing and .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>NONDURABLE GOODS</b> .....	38.5	38.5	38.5	38.6	38.5	38.6	38.6	39.1	38.5	39.0	39.5	39.4	39.4
<i>Overtime hours</i> .....	2.5	2.5	2.5	2.6	2.6	2.5	2.5	2.6	2.6	2.7	3.0	2.9	2.9
Food and kindred products .....	39.4	39.4	39.2	39.4	39.5	39.4	39.1	39.3	39.0	39.2	39.6	39.4	39.5
Tobacco manufactures .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products .....	37.7	37.7	38.1	38.1	38.3	38.8	38.9	39.7	39.0	39.6	40.6	40.4	40.6
Apparel and other textile products .....	35.1	35.1	35.0	35.1	35.1	35.0	35.1	36.6	35.2	35.0	36.2	36.1	36.2
Paper and allied products .....	41.9	41.9	41.7	41.6	41.7	41.7	41.7	41.8	41.4	42.1	42.4	42.7	42.7
Printing and publishing .....	37.0	37.0	36.9	37.0	37.1	37.1	37.1	37.5	37.1	37.4	37.7	37.4	37.3
Chemicals and allied products .....	40.9	40.8	40.9	41.0	40.8	40.7	40.9	41.0	41.0	41.2	41.5	41.5	41.7
Petroleum and coal products .....	44.0	43.4	44.0	44.2	43.8	44.1	44.4	44.5	44.4	44.9	43.5	43.7	43.6
Rubber and misc. plastics products .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Leather and leather products .....	35.8	36.0	36.0	35.7	35.4	35.8	35.8	36.3	34.9	36.0	37.0	36.8	36.8
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	39.1	38.9	39.2	38.8	38.8	38.9	38.9	<sup>c</sup> 38.6	38.6	38.8	38.8	38.9	39.0
<b>WHOLESALE AND RETAIL TRADE</b> .....	31.9	32.0	32.0	31.9	31.9	31.8	32.1	31.9	31.4	31.7	31.7	31.9	32.0
<b>WHOLESALE TRADE</b> .....	38.4	38.5	38.5	38.4	38.4	38.4	38.4	38.5	38.2	38.4	38.5	38.6	38.7
<b>RETAIL TRADE</b> .....	29.9	29.9	29.9	29.9	29.9	29.8	30.1	29.9	29.3	29.7	29.6	29.9	29.9
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>SERVICES</b> .....	32.6	32.6	32.6	32.8	32.6	32.6	32.6	32.9	32.5	32.7	32.7	32.9	32.8

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

<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.

c = corrected.

p = preliminary.

# 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	1982								1983				
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
<b>TOTAL PRIVATE</b> .....	105.0	104.8	104.2	103.9	102.9	102.5	102.6	104.1	102.2	103.1	104.0	105.0	105.7
<b>GOODS-PRODUCING</b> .....	92.1	91.7	90.2	88.9	87.4	86.8	86.5	89.8	87.2	87.8	89.6	90.5	91.8
<b>MINING</b> .....	132.8	129.6	125.7	122.8	119.0	117.5	116.5	118.4	111.6	110.7	109.5	110.2	113.9
<b>CONSTRUCTION</b> .....	101.1	101.9	100.5	98.2	97.0	97.2	96.5	106.2	94.7	94.3	96.3	99.9	102.7
<b>MANUFACTURING</b> .....	88.5	87.9	86.6	85.6	84.0	83.3	83.1	85.5	84.1	85.4	87.4	87.8	88.7
<b>DURABLE GOODS</b> .....	86.6	86.0	83.9	82.0	79.9	79.0	78.8	81.4	81.4	81.6	83.7	84.3	85.4
Lumber and wood products .....	77.9	77.7	76.9	77.4	76.1	78.1	78.6	84.9	83.1	85.1	88.0	89.0	92.0
Furniture and fixtures .....	86.8	85.3	87.5	85.3	84.3	84.5	85.2	88.0	84.7	87.9	92.0	92.8	94.1
Stone, clay, and glass products .....	80.6	81.2	79.9	79.3	78.2	76.7	75.8	78.9	76.6	78.1	80.0	81.3	82.6
Primary metal industries .....	70.5	68.7	67.3	63.6	60.9	59.6	60.0	61.2	61.0	62.2	63.7	65.0	65.4
Fabricated metal products .....	83.6	83.4	81.5	79.7	77.9	77.0	76.9	79.2	78.9	79.4	81.4	82.0	82.7
Machinery, except electrical .....	94.0	91.7	88.0	85.8	82.3	80.4	79.6	79.4	78.4	78.7	80.0	81.4	82.0
Electric and electronic equipment .....	97.4	97.3	95.6	93.5	92.3	91.8	91.2	94.3	93.2	95.2	97.6	98.1	99.5
Transportation equipment .....	83.6	84.2	80.4	78.3	75.2	74.6	75.0	79.4	80.1	81.0	83.7	83.0	84.3
Instruments and related products .....	108.8	108.5	107.2	105.9	103.0	101.2	100.9	102.7	99.1	100.6	101.9	101.7	101.7
Miscellaneous manufacturing ind .....	83.0	83.8	82.1	80.8	80.9	79.4	78.4	81.0	77.7	80.7	82.9	82.4	83.0
<b>NONDURABLE GOODS</b> .....	91.2	90.7	90.5	90.8	90.1	89.7	89.5	91.7	89.6	91.0	92.8	92.9	93.6
Food and kindred products .....	95.0	96.0	94.7	95.2	96.4	95.5	94.2	95.1	93.8	94.1	96.0	95.4	96.2
Tobacco manufactures .....	95.1	91.6	94.3	89.9	87.8	82.3	93.6	94.6	82.4	89.6	89.1	88.6	85.5
Textile mill products .....	74.7	74.8	75.4	75.3	75.5	75.2	74.6	78.2	75.4	77.6	80.1	80.1	81.6
Apparel and other textile products .....	86.2	83.6	84.5	85.2	84.4	83.9	83.6	90.0	85.0	85.5	87.6	87.8	88.4
Paper and allied products .....	92.6	92.6	91.8	92.3	91.2	91.2	90.8	91.2	90.4	92.1	93.1	94.6	95.0
Printing and publishing .....	106.2	105.6	105.1	105.6	105.6	105.6	105.6	107.0	105.6	106.5	108.1	107.5	107.4
Chemicals and allied products .....	95.5	94.4	95.0	95.5	93.9	93.5	93.9	93.8	93.6	93.7	94.7	94.6	95.7
Petroleum and coal products .....	92.8	91.9	93.1	95.7	93.4	93.9	94.2	95.4	96.2	97.6	94.6	93.5	94.0
Rubber and misc. plastics products .....	95.3	95.2	94.0	92.9	89.8	89.1	90.0	91.1	90.9	94.9	98.5	100.4	100.8
Leather and leather products .....	82.8	81.5	82.2	81.0	78.4	79.9	78.1	81.0	76.4	79.9	81.7	81.2	82.2
<b>SERVICE-PRODUCING</b> .....	112.1	112.1	111.9	112.2	111.5	111.3	111.5	<sup>c</sup> 112.0	110.5	111.6	111.9	113.0	113.4
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	103.0	102.2	102.1	101.2	100.6	100.7	100.5	<sup>c</sup> 99.0	<sup>c</sup> 98.6	99.1	99.6	99.8	100.3
<b>WHOLESALE AND RETAIL TRADE</b> .....	105.2	105.5	105.2	105.1	104.3	103.5	104.0	104.3	102.1	103.9	103.6	104.6	105.1
<b>WHOLESALE TRADE</b> .....	109.5	109.4	108.8	108.4	107.7	107.2	106.7	106.8	105.5	106.1	106.6	107.2	107.7
<b>RETAIL TRADE</b> .....	103.6	104.0	103.8	103.8	103.0	102.1	103.0	103.4	100.8	103.0	102.4	103.6	104.1
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	117.0	117.0	116.8	117.0	116.7	116.8	117.2	117.8	116.4	116.4	117.8	118.9	118.4
<b>SERVICES</b> .....	122.3	122.1	122.1	123.3	122.5	122.8	122.9	124.1	122.5	123.9	124.7	126.2	126.7

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

p = preliminary

## 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	1982							1983					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May <sup>p</sup>	June <sup>p</sup>
<b>Hourly Earnings Index<sup>2</sup> (1977=100)</b>													
TOTAL PRIVATE (In current dollars) . . . . .	148.0	148.8	149.6	150.0	150.7	151.1	151.9	152.7	153.4	153.4	154.0	154.6	154.8
MINING <sup>3</sup> . . . . .	159.2	160.9	161.0	162.8	162.1	162.9	163.0	164.7	165.1	164.0	165.7	165.1	167.0
CONSTRUCTION . . . . .	140.5	141.2	141.4	141.6	142.9	141.9	144.0	144.0	145.7	145.5	145.9	144.5	144.2
MANUFACTURING . . . . .	152.5	153.3	154.1	154.6	154.7	155.3	155.8	156.5	157.3	157.1	157.0	157.7	157.8
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	148.5	148.8	149.9	150.1	151.1	152.2	153.1	154.4	155.2	155.9	155.9	156.4	156.6
WHOLESALE AND RETAIL TRADE . . . . .	144.6	145.2	145.8	146.2	147.1	147.5	148.1	148.9	149.3	149.6	150.5	151.3	151.5
FINANCE, INSURANCE, AND REAL ESTATE <sup>3</sup> . . . . .	146.8	146.2	150.1	150.6	152.0	152.7	153.0	156.7	157.4	156.7	157.4	159.0	158.1
SERVICES . . . . .	147.4	148.5	149.4	149.8	150.6	150.7	152.0	152.2	152.4	152.6	154.0	154.3	155.4
TOTAL PRIVATE (In 1977 dollars) <sup>4</sup> . . . . .	92.8	92.8	93.0	93.1	93.1	93.4	94.1	94.7	95.3	95.0	94.8	94.7	-
<b>Average hourly earnings</b>													
TOTAL PRIVATE . . . . .	\$7.67	\$7.70	\$7.75	\$7.73	\$7.76	\$7.79	\$7.82	\$7.88	\$7.91	\$7.91	\$7.95	\$7.98	\$8.00
MINING . . . . .	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
CONSTRUCTION . . . . .	11.57	11.63	11.65	11.66	11.77	11.71	11.88	11.86	12.00	12.00	12.02	11.86	11.83
MANUFACTURING . . . . .	8.51	8.54	8.56	8.57	8.58	8.61	8.63	8.68	8.76	8.75	8.78	8.79	8.82
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	10.29	10.31	10.38	10.39	10.45	10.51	10.58	10.66	10.70	10.77	10.76	10.81	10.82
WHOLESALE AND RETAIL TRADE . . . . .	6.20	6.23	6.24	6.24	6.29	6.32	6.33	6.35	6.39	6.40	6.43	6.46	6.48
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
SERVICES . . . . .	6.89	6.95	6.96	7.00	7.03	7.04	7.09	7.11	7.14	7.15	7.19	7.23	7.25
<b>Average weekly earnings</b>													
TOTAL PRIVATE:													
Current dollars . . . . .	267.68	268.73	269.00	269.00	269.27	269.97	272.14	276.59	272.90	275.27	277.46	280.10	280.80
1977 dollars <sup>4</sup> . . . . .	167.93	167.54	167.16	166.98	166.32	166.96	168.61	171.48	169.61	170.45	170.85	171.63	-

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

<sup>2</sup> The index excludes effects of two types of changes that are unrelated to underlying wage-rate developments: Fluctuations in overtime premiums in manufacturing (the only sector for which overtime data are available) and the effects of changes in the proportion of workers in high-wage and low-wage industries.

<sup>3</sup> The 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		
	April R1983	May R1983	June P1983	June 1982 to June 1983	Apr. 1983 to May 1983	May 1983 to June 1983
TOTAL . . . . .	166,121	166,967	167,314	0.4	0.5	0.2
PRIVATE SECTOR . . . . .	134,690	136,010	136,863	0.8	1.0	0.6
MINING . . . . .	2,182	2,201	2,257	-12.2	0.9	2.6
CONSTRUCTION . . . . .	7,261	7,494	7,671	1.8	3.2	2.4
MANUFACTURING . . . . .	38,027	38,267	38,546	-0.3	0.6	0.7
DURABLE GOODS . . . . .	22,285	22,508	22,710	-1.4	1.0	0.9
NONDURABLE GOODS . . . . .	15,742	15,759	15,836	1.4	0.1	0.5
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	10,088	10,101	10,178	-2.2	0.1	0.8
WHOLESALE AND RETAIL TRADE . . . . .	33,699	34,066	34,191	0.1	1.1	0.4
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	10,184	10,286	10,260	1.8	1.0	-0.2
SERVICES . . . . .	33,250	33,595	33,760	4.2	1.0	0.5
GOVERNMENT . . . . .	31,430	30,957	30,451	-1.1	-1.5	-1.6

<sup>1</sup> Data refer to hours of all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods*, BLS Bulletin 1234-1—Chapter 13, Productivity Measures: Business Economy and Major Sectors.

<sup>2</sup> "Annual rate" refers to total hours paid for 1 week in the month, expressed as a seasonally adjusted annual equivalent.

**PRODUCTIVITY  
SEASONALLY ADJUSTED**

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

(1977 = 100)

Item	Annual average		Quarterly indexes										
			1980		1981				1982				1983
	1981	1982	III	IV	I	II	III	IV	I	II	III	IV	I
<b>BUSINESS SECTOR:</b>													
Output per hour of all persons . . . .	100.7	101.0	98.9	99.4	100.7	100.7	101.0	100.3	100.1	100.4	101.3	102.0	102.6
Output . . . . .	108.9	106.4	105.3	107.0	109.1	109.1	109.6	107.8	106.3	106.4	106.7	105.9	107.1
Hours . . . . .	108.1	105.4	106.5	107.7	108.3	108.3	108.5	107.4	106.2	106.0	105.3	103.9	104.5
Compensation per hour . . . . .	144.1	154.5	133.1	136.2	140.0	142.5	145.7	148.3	151.1	153.5	155.9	158.0	159.8
Real compensation per hour . . . . .	96.0	97.0	96.9	96.3	96.5	96.3	95.7	95.7	96.8	97.1	96.7	97.6	98.8
Unit labor costs . . . . .	143.1	153.1	134.7	137.0	139.0	141.5	144.2	147.9	150.9	152.9	153.8	154.9	155.8
Unit nonlabor payments . . . . .	135.2	138.5	120.6	124.6	131.7	133.4	137.4	138.4	136.3	137.0	139.9	140.7	145.3
Implicit price deflator . . . . .	140.4	148.1	129.9	132.8	136.5	138.8	141.9	144.6	145.9	147.5	149.1	150.1	152.2
<b>NONFARM BUSINESS SECTOR:</b>													
Output per hour of all persons . . . .	99.9	99.9	98.4	99.2	100.4	100.1	100.0	99.1	99.3	99.5	100.4	100.4	101.6
Output . . . . .	108.6	105.8	105.3	107.3	109.2	109.0	109.1	107.1	106.0	106.1	106.3	104.9	106.5
Hours . . . . .	108.7	105.9	107.0	108.2	108.8	108.9	109.1	108.0	106.7	106.6	105.9	104.5	104.8
Compensation per hour . . . . .	143.6	154.0	132.6	135.7	139.6	142.0	145.1	147.7	150.6	152.8	155.3	157.4	159.7
Real compensation per hour . . . . .	95.7	96.7	96.5	96.0	96.2	96.0	95.3	95.3	96.5	96.6	96.4	97.2	98.7
Unit labor costs . . . . .	143.8	154.1	134.7	136.8	139.1	141.9	145.1	149.0	151.6	153.5	154.7	156.7	157.2
Unit nonlabor payments . . . . .	134.8	138.8	120.3	124.4	131.5	132.9	136.7	138.3	136.7	137.2	140.1	141.2	145.7
Implicit price deflator . . . . .	140.8	149.0	129.9	132.7	136.5	138.9	142.3	145.5	146.6	148.1	149.8	151.5	153.3
<b>MANUFACTURING:</b>													
Output per hour of all persons . . . .	104.6	103.6	100.3	103.7	105.2	105.1	105.1	103.0	102.4	102.6	104.4	104.7	106.8
Output . . . . .	105.9	96.5	99.9	105.0	106.7	107.5	107.4	102.0	98.2	97.0	96.6	94.2	96.9
Hours . . . . .	101.2	93.2	99.6	101.3	101.4	102.3	102.2	99.0	95.9	94.5	92.5	90.0	90.7
Compensation per hour . . . . .	146.5	158.9	135.3	138.5	142.6	145.0	147.4	151.0	155.1	158.1	160.5	162.2	164.9
Real compensation per hour . . . . .	97.6	99.8	98.5	97.9	98.4	98.0	96.8	97.4	99.4	100.0	99.6	100.2	102.0
Unit labor costs . . . . .	140.0	153.4	134.9	133.6	135.5	138.0	140.3	146.6	151.5	154.0	153.6	155.0	154.4
<b>DURABLE GOODS</b>													
Output per hour of all persons . . . .	103.6	101.8	98.4	102.3	104.2	104.1	103.8	101.8	100.6	100.8	102.6	103.0	105.3
Output . . . . .	106.1	94.2	98.8	104.9	107.0	108.2	107.8	101.6	96.8	95.2	94.2	90.5	93.7
Hours . . . . .	102.5	92.5	100.4	102.6	102.6	103.9	103.8	99.8	96.2	94.4	91.8	87.8	88.9
Compensation per hour . . . . .	146.7	159.3	135.0	138.6	142.8	144.9	147.3	151.4	155.3	158.2	161.1	162.8	165.4
Real compensation per hour . . . . .	97.7	100.0	98.3	98.0	98.5	97.9	96.8	97.7	99.5	100.1	100.0	100.6	102.3
Unit labor costs . . . . .	141.6	156.5	137.3	135.6	137.0	139.2	142.0	148.8	154.3	156.9	156.9	158.0	157.1
<b>NONDURABLE GOODS</b>													
Output per hour of all persons . . . .	106.3	106.2	103.2	105.8	106.8	106.6	107.1	104.8	105.1	105.3	107.1	107.0	108.9
Output . . . . .	105.6	100.1	101.5	105.1	106.4	106.5	106.9	102.6	100.4	99.6	100.2	99.7	101.6
Hours . . . . .	99.3	94.2	98.4	99.3	99.7	99.9	99.7	97.9	95.5	94.6	93.6	93.2	93.3
Compensation per hour . . . . .	145.8	158.6	135.4	137.6	141.9	144.5	146.9	149.9	154.7	157.9	159.8	162.3	165.0
Real compensation per hour . . . . .	97.1	99.6	98.6	97.3	97.8	97.7	96.5	96.7	99.1	99.9	99.2	100.2	102.0
Unit labor costs . . . . .	137.1	149.3	131.2	130.1	132.9	135.6	137.1	143.1	147.2	150.0	149.2	151.6	151.4
<b>NONFINANCIAL CORPORATIONS:</b>													
Output per all-employee hour . . . .	102.1	102.9	100.6	101.1	102.3	102.2	102.3	101.7	101.8	102.4	103.6	103.7	p104.9
Output . . . . .	110.7	107.5	107.1	109.0	111.0	111.1	111.5	109.4	107.9	107.8	108.0	106.2	p107.9
Hours . . . . .	108.5	104.5	106.5	107.8	108.5	108.7	109.1	107.6	106.0	105.2	104.2	102.4	p102.8
Compensation per hour . . . . .	143.6	154.2	132.6	135.6	139.6	142.0	144.9	147.8	150.9	153.2	155.4	157.4	p159.5
Real compensation per hour . . . . .	95.7	96.8	96.6	95.9	96.3	95.9	95.2	95.4	96.7	96.9	96.4	97.2	p98.6
Total unit costs . . . . .	143.4	154.4	132.9	135.8	138.3	141.7	144.7	149.1	151.8	153.8	154.8	157.3	p157.3
Unit labor costs . . . . .	140.6	149.9	131.9	134.1	136.5	138.9	141.7	145.4	148.3	149.5	150.0	151.8	p152.1
Unit nonlabor costs . . . . .	151.4	167.2	135.7	140.7	143.4	149.6	153.1	159.6	161.8	166.0	168.3	172.9	p172.1
Unit profits . . . . .	101.6	85.3	87.8	90.5	104.7	98.8	105.2	97.6	86.1	82.3	89.6	83.1	p98.3
Implicit price deflator . . . . .	138.6	146.5	127.7	130.6	134.5	136.8	140.2	143.2	144.3	145.6	147.3	148.8	p150.5

p-preliminary.  
r-revised.

**PRODUCTIVITY  
SEASONALLY ADJUSTED**

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

Item	Quarterly percent change						Annual percent change					
	1981 II	1981 IV	1982 I	1982 II	1982 III	1982 IV	1980 IV	1981 I	1981 II	1981 III	1981 IV	1982 I
	to	to	to	to	to	to	to	to	to	to	to	to
	1981 IV	1982 I	1982 II	1982 III	1982 IV	1983 I	1981 IV	1982 I	1982 II	1982 III	1982 IV	1983 I
<b>BUSINESS SECTOR:</b>												
Output per hour of all persons	-2.8	-0.8	1.3	3.7	2.6	2.2	1.0	-0.6	-0.3	0.3	1.7	2.5
Output	-6.4	-5.4	0.6	1.1	-3.0	4.7	0.7	-2.6	-2.4	-2.6	-1.7	0.8
Hours	-3.7	-4.6	-0.7	-2.5	-5.5	2.4	-0.3	-1.9	-2.1	-2.9	-3.3	-1.6
Compensation per hour	7.5	7.6	6.7	6.3	5.5	4.6	8.9	7.9	7.7	7.0	6.5	5.8
Real compensation per hour	0.2	4.5	1.3	-1.4	3.5	5.0	-0.6	0.2	0.8	1.1	1.9	2.1
Unit labor costs	10.6	8.5	5.3	2.4	2.9	2.3	7.9	8.6	8.0	6.7	4.7	3.2
Unit nonlabor payments	2.9	-5.9	2.1	8.9	2.3	13.6	11.0	3.5	2.7	1.8	1.7	6.6
Implicit price deflator	8.0	3.7	4.3	4.4	2.7	5.8	8.9	6.9	6.3	5.1	3.8	4.3
<b>NONFARM BUSINESS SECTOR:</b>												
Output per hour of all persons	-3.4	0.7	0.9	3.4	0.4	4.7	0.0	-1.1	-0.6	0.4	1.3	2.3
Output	-7.1	-4.2	0.6	0.7	-5.0	6.2	-0.2	-3.0	-2.6	-2.5	-2.0	0.5
Hours	3.8	-4.8	-0.2	-2.6	-5.4	1.4	-0.2	-1.9	-2.1	-2.9	-3.3	-1.7
Compensation per hour	7.4	7.9	6.0	6.6	5.5	6.0	8.9	7.9	7.6	7.0	6.5	6.0
Real compensation per hour	0.2	4.8	0.7	-1.1	3.5	6.4	-0.6	0.2	0.7	1.1	1.9	2.3
Unit labor costs	11.2	7.2	5.1	3.1	5.1	1.2	8.9	9.0	8.2	6.6	5.1	3.6
Unit nonlabor payments	5.0	-4.8	1.6	8.8	3.0	13.5	11.2	4.0	3.3	2.5	2.0	6.6
Implicit price deflator	9.2	3.3	4.0	4.9	4.5	5.0	9.6	7.4	6.6	5.3	4.1	4.6
<b>MANUFACTURING:</b>												
Output per hour of all persons	-7.9	-2.1	0.9	7.3	1.0	8.3	-0.7	-2.7	-2.4	-0.6	1.7	4.3
Output	-18.7	-13.8	-5.1	-1.5	-9.6	11.8	-2.9	-8.0	-9.8	-10.0	-7.6	-1.4
Hours	-11.7	-12.0	-5.9	-8.1	-10.5	3.3	-2.2	-5.4	-7.6	-9.5	-9.2	-5.5
Compensation per hour	9.9	11.5	7.8	6.2	4.5	6.8	9.0	8.7	9.0	8.9	7.5	6.3
Real compensation per hour	2.5	8.3	2.4	-1.5	2.4	7.2	-0.5	1.0	2.1	2.9	2.9	2.6
Unit labor costs	19.4	13.9	6.9	-1.0	3.5	-1.4	9.8	11.8	11.6	9.5	5.7	1.9
<b>DURABLE GOODS</b>												
Output per hour of all persons	-7.6	-4.5	0.9	7.3	1.5	9.1	-0.5	-3.5	-3.1	-1.1	1.2	4.7
Output	-21.1	-17.5	-6.4	-4.2	-14.9	14.8	-3.2	-9.5	-12.0	-12.6	-10.9	-3.3
Hours	-14.6	-13.6	-7.2	-10.7	-16.2	5.2	-2.8	-6.3	-9.1	-11.6	-12.0	-7.6
Compensation per hour	11.4	10.8	7.7	7.5	4.4	6.4	9.2	8.7	9.2	9.3	7.6	6.5
Real compensation per hour	3.9	7.6	2.3	-0.3	2.4	6.8	-0.3	1.0	2.2	3.3	3.0	2.8
Unit labor costs	20.6	15.9	6.7	0.1	2.9	-2.4	9.7	12.7	12.7	10.5	6.2	1.8
<b>NONDURABLE GOODS</b>												
Output per hour of all persons	-8.6	1.3	0.7	7.0	-0.2	7.4	-1.0	-1.6	-1.3	-0.1	2.2	3.7
Output	-15.1	-8.3	-3.2	2.5	-1.9	7.9	-2.4	-5.6	-6.5	-6.2	-2.8	1.3
Hours	-7.1	-9.5	-3.9	-4.2	-1.7	0.5	-1.4	-4.1	-5.3	-6.2	-4.9	-2.3
Compensation per hour	8.4	13.5	8.5	4.9	6.4	6.9	8.9	9.0	9.2	8.8	8.3	6.7
Real compensation per hour	1.1	10.2	3.1	-2.7	4.4	7.3	-0.6	1.3	2.2	2.8	3.6	2.9
Unit labor costs	18.6	12.0	7.8	-2.0	6.6	-0.5	10.0	10.8	10.6	8.8	6.0	2.9
<b>NONFINANCIAL CORPORATIONS:</b>												
Output per all-employee hour	-2.3	0.4	2.7	4.6	0.4	p4.6	0.5	-0.5	0.2	1.3	2.0	p3.1
Output	-7.5	-5.2	-0.4	0.6	-6.3	p6.3	0.3	-2.7	-3.0	-3.2	-2.9	p-0.1
Hours	-5.2	-5.6	-3.0	-3.8	-6.7	p1.6	-0.2	-2.2	-3.2	-4.4	-4.8	p-3.0
Compensation per hour	8.3	8.6	6.2	5.9	5.4	p5.4	9.0	8.1	7.9	7.2	6.5	p5.7
Real compensation per hour	1.0	5.4	0.9	-1.8	3.3	p5.8	-0.5	0.4	1.0	1.4	1.9	p2.0
Total unit costs	12.8	7.4	5.4	2.5	6.8	p0.0	9.8	9.7	8.5	7.0	5.5	p3.6
Unit labor costs	10.9	8.1	3.4	1.2	5.0	p0.8	8.4	8.6	7.6	5.8	4.4	p2.6
Unit nonlabor costs	17.8	5.7	10.7	5.9	11.4	p-2.0	13.4	12.8	10.9	9.9	8.4	p6.4
Unit profits	-25.9	-39.4	-16.7	40.8	-25.9	p95.4	7.9	-17.8	-16.7	-14.8	-14.8	p14.1
Implicit price deflator	8.9	3.0	3.8	4.7	4.2	p4.7	9.6	7.3	6.4	5.1	3.9	p4.3

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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		
	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P
<b>ALABAMA</b> .....	\$284.59	\$303.51	\$305.12	39.2	40.2	40.2	\$7.26	\$7.55	\$7.59
Birmingham .....	315.09	305.76	310.45	38.9	39.1	39.1	8.10	7.82	7.94
Mobile .....	363.09	394.96	389.86	39.9	39.3	39.3	9.10	10.05	9.92
<b>ALASKA</b> .....	493.05	446.62	(*)	39.1	32.6	(*)	12.61	13.70	(*)
<b>ARIZONA</b> .....	340.65	351.16	361.49	39.2	39.5	40.3	8.69	8.89	8.97
<b>ARKANSAS</b> .....	257.13	276.21	281.88	38.9	39.8	40.5	6.61	6.94	6.96
Fayetteville—Springdale .....	234.08	249.80	254.16	38.5	39.4	39.9	6.08	6.34	6.37
Fort Smith .....	248.05	274.95	291.99	37.3	39.0	41.3	6.65	7.05	7.07
Little Rock—North Little Rock .....	307.68	323.60	339.08	39.7	40.0	41.1	7.75	8.09	8.25
Pine Bluff .....	358.26	362.56	366.45	42.0	40.6	41.5	8.53	8.93	8.83
<b>CALIFORNIA</b> .....	361.56	375.56	376.36	39.3	39.7	39.7	9.20	9.46	9.48
<b>COLORADO</b> .....	335.01	354.49	360.08	39.0	39.3	39.7	8.59	9.02	9.07
Denver—Boulder .....	337.17	369.33	371.99	38.8	39.5	39.7	8.69	9.35	9.37
<b>CONNECTICUT</b> .....	331.29	355.10	358.39	40.5	41.1	41.1	8.18	8.64	8.72
Bridgeport .....	344.87	378.56	378.72	41.5	41.6	41.3	8.31	9.10	9.17
Hartford .....	358.28	382.30	382.12	40.9	40.8	41.0	8.76	9.37	9.32
New Britain .....	325.01	363.26	369.15	39.3	41.0	41.2	8.27	8.86	8.96
New Haven—West Haven .....	311.20	333.68	319.68	38.9	38.8	37.0	8.00	8.60	8.64
Stamford .....	298.65	334.22	331.96	39.4	39.6	39.1	7.58	8.44	8.49
Waterbury .....	274.28	299.17	315.88	40.1	41.9	42.4	6.84	7.14	7.45
<b>DELAWARE</b> .....	351.16	377.73	369.87	39.5	41.6	40.6	8.89	9.08	9.11
Wilmington .....	406.42	438.27	412.09	40.2	41.7	40.6	10.11	10.51	10.15
<b>DISTRICT OF COLUMBIA:</b>									
Washington SMSA .....	366.13	364.88	371.13	39.2	38.9	38.7	9.34	9.38	9.59
<b>FLORIDA</b> .....	272.45	291.60	292.98	39.6	40.0	40.3	6.88	7.29	7.27
Fort Lauderdale—Hollywood .....	261.85	284.28	286.88	40.1	41.5	42.5	6.53	6.85	6.75
Jacksonville .....	310.87	334.88	325.58	39.5	41.6	40.8	7.87	8.05	7.98
Lakeland—Winter Haven .....	292.54	288.41	296.62	40.8	39.4	40.8	7.17	7.32	7.27
Miami .....	225.00	237.98	237.94	38.2	39.4	39.2	5.89	6.04	6.07
Orlando .....	298.98	306.82	308.25	40.9	40.8	41.1	7.31	7.52	7.50
Pensacola .....	331.20	359.31	377.11	41.4	41.3	43.0	8.00	8.70	8.77
Tampa—St. Petersburg .....	257.95	298.80	297.11	38.5	41.1	40.7	6.70	7.27	7.30
West Palm Beach—Boca Raton .....	281.39	312.00	309.46	39.8	40.0	40.4	7.07	7.80	7.66
<b>GEORGIA</b> .....	261.86	283.10	279.86	39.2	40.5	40.5	6.68	6.99	6.91
Atlanta .....	315.56	327.71	318.16	39.2	39.2	38.8	8.05	8.36	8.20
Savannah .....	366.36	389.80	399.05	43.0	43.7	43.9	8.52	8.92	9.09
<b>HAWAII</b> .....	296.35	323.20	320.49	37.8	38.8	38.8	7.84	8.33	8.26
Honolulu .....	291.78	324.76	317.63	37.6	38.8	38.5	7.76	8.37	8.25
<b>IDAHO</b> .....	314.34	323.39	330.99	37.6	37.3	37.4	8.36	8.67	8.85
Boise City .....	300.94	300.71	314.50	36.7	36.1	37.0	8.20	8.33	8.50
<b>ILLINOIS</b> .....	364.80	383.76	385.76	39.1	40.1	40.1	9.33	9.57	9.62
Bloomington—Normal .....	329.12	359.72	368.40	37.4	40.6	41.3	8.80	8.86	8.92
Champaign—Urbana—Rantoul .....	331.96	332.63	322.92	38.6	37.0	35.8	8.60	8.99	9.02
Chicago SMSA .....	337.26	378.10	377.55	38.5	39.8	39.7	8.76	9.50	9.51
Davenport—Rock Island—Moline .....	447.12	473.02	476.97	37.7	38.9	39.0	11.86	12.16	12.23
Decatur .....	445.06	476.39	484.01	38.6	40.1	40.2	11.53	11.88	12.04
Kankakee .....	308.58	315.33	323.85	37.0	37.9	38.6	8.34	8.32	8.39
Peoria .....	474.14	408.87	467.54	37.6	38.5	38.8	12.61	10.62	12.05
Rockford .....	360.02	388.93	385.40	38.3	41.2	41.0	9.40	9.44	9.40
Springfield .....	424.36	454.44	450.78	40.3	42.0	41.7	10.53	10.82	10.81
<b>INDIANA</b> .....	381.81	407.00	406.59	39.2	40.7	40.7	9.74	10.00	9.99
Gary—Hammond—East Chicago .....	488.42	(*)	(*)	37.6	(*)	(*)	12.99	(*)	(*)
Indianapolis .....	385.26	(*)	(*)	39.8	(*)	(*)	9.68	(*)	(*)
<b>IOWA</b> .....	386.93	397.77	399.99	38.5	39.5	39.8	10.05	10.07	10.05
Cedar Rapids .....	394.00	412.38	391.05	39.4	39.5	39.5	10.00	10.44	9.90
Des Moines .....	410.27	441.54	429.03	38.2	38.8	37.9	10.74	11.38	11.32

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		
	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P
<b>IOWA—Continued</b>									
Dubuque .....	\$426.92	\$432.63	\$409.77	38.6	41.4	39.1	\$11.06	\$10.45	\$10.48
Sioux City .....	350.73	397.32	358.12	40.5	42.0	38.8	8.66	9.46	9.23
Waterloo—Cedar Falls .....	518.54	460.65	511.87	38.1	37.0	40.4	13.61	12.45	12.67
<b>KANSAS</b> .....	332.26	356.85	357.20	38.5	39.0	38.7	8.63	9.15	9.23
Topeka .....	312.43	325.60	332.57	36.8	37.0	37.2	8.49	8.80	8.94
Wichita .....	366.91	403.56	402.78	38.5	40.6	39.8	9.53	9.94	10.12
<b>KENTUCKY</b> .....	318.52	337.65	346.73	38.1	38.9	39.9	8.36	8.68	8.69
Lexington—Fayette .....	356.31	371.06	366.96	39.9	39.1	39.5	8.93	9.49	9.29
Louisville .....	363.26	393.42	382.23	37.8	39.5	38.3	9.61	9.96	9.98
<b>LOUISIANA</b> .....	385.63	387.08	389.85	41.6	39.7	39.7	9.27	9.75	9.82
Baton Rouge .....	458.49	456.25	474.00	40.9	39.4	40.0	11.21	11.58	11.85
New Orleans .....	363.31	358.02	329.77	40.1	39.3	36.6	9.06	9.11	9.01
Shreveport .....	327.60	373.18	368.68	40.0	39.7	39.6	8.19	9.40	9.31
<b>MAINE</b> .....	278.50	296.91	299.55	39.9	39.8	40.1	6.98	7.46	7.47
Lewiston—Auburn .....	229.96	242.78	245.83	38.2	39.8	40.3	6.02	6.10	6.10
Portland .....	273.39	285.01	286.90	39.0	37.8	37.7	7.01	7.54	7.61
<b>MARYLAND</b> .....	334.23	358.30	355.81	39.0	39.9	39.8	8.57	8.98	8.94
Baltimore .....	354.82	383.39	379.36	39.6	40.7	40.4	8.96	9.42	9.39
<b>MASSACHUSETTS</b> .....	295.81	314.01	317.59	39.6	39.9	40.1	7.47	7.87	7.92
Boston .....	318.78	337.66	341.68	39.6	39.4	39.5	8.05	8.57	8.65
Brockton .....	238.70	250.75	245.53	38.5	38.4	37.6	6.20	6.53	6.53
Fall River .....	204.26	227.55	227.92	35.4	37.0	37.0	5.77	6.15	6.16
Lawrence—Haverhill .....	297.83	308.50	315.22	39.5	39.4	39.8	7.54	7.83	7.92
Lowell .....	261.30	281.39	284.40	39.0	38.6	38.8	6.70	7.29	7.33
New Bedford .....	262.36	263.75	270.02	39.1	37.2	38.3	6.71	7.09	7.05
Springfield—Chicopee—Holyoke .....	301.59	323.60	325.61	40.7	40.5	40.6	7.41	7.99	8.02
Worcester .....	301.48	318.27	321.79	38.8	39.1	39.1	7.77	8.14	8.23
<b>MICHIGAN</b> .....	460.08	488.39	484.75	40.9	42.4	42.2	11.24	11.52	11.50
Ann Arbor .....	506.88	499.95	495.61	43.1	42.2	42.0	11.77	11.83	11.80
Battle Creek .....	447.92	479.31	472.98	38.5	41.2	39.8	11.62	11.62	11.88
Bay City .....	369.01	419.40	415.92	38.9	41.4	41.1	9.49	10.13	10.13
Detroit .....	507.29	511.37	519.11	42.4	42.5	43.1	11.96	12.04	12.03
Flint .....	530.91	590.63	574.72	40.4	44.6	43.2	13.13	13.25	13.31
Grand Rapids .....	365.84	408.46	395.88	38.9	41.3	40.4	9.41	9.89	9.80
Jackson .....	399.36	403.27	393.14	40.3	41.5	40.5	9.90	9.72	9.70
Kalamazoo—Portage .....	399.76	441.74	447.75	39.2	41.3	41.4	10.19	10.71	10.81
Lansing—East Lansing .....	473.15	594.30	544.49	39.2	45.1	42.5	12.06	13.17	12.83
Muskegon—Norton Shores—Muskegon Heights .....	364.08	399.51	399.24	38.2	39.4	38.9	9.54	10.14	10.26
Saginaw .....	516.26	571.32	564.10	40.5	42.6	42.4	12.74	13.40	13.30
<b>MINNESOTA</b> .....	354.64	365.57	371.45	39.1	38.4	39.1	9.07	9.52	9.50
Duluth—Superior .....	310.37	359.41	362.10	36.3	36.9	37.1	8.55	9.74	9.76
Minneapolis—St. Paul .....	372.72	379.38	389.78	39.4	37.9	38.9	9.46	10.01	10.02
St. Cloud .....	274.77	297.84	298.39	35.5	36.5	36.3	7.74	8.16	8.22
<b>MISSISSIPPI</b> .....	248.32	261.22	263.87	38.8	39.4	39.8	6.40	6.63	6.63
Jackson .....	276.71	302.71	305.92	39.7	40.2	40.2	6.97	7.53	7.61
<b>MISSOURI</b> .....	329.94	348.57	353.33	39.0	39.7	39.7	8.46	8.78	8.90
Kansas City .....	382.18	395.92	405.90	39.4	40.4	41.0	9.70	9.80	9.90
St. Joseph .....	294.50	310.18	319.06	38.0	38.2	39.1	7.75	8.12	8.16
St. Louis .....	375.36	403.19	404.21	39.1	40.4	40.3	9.60	9.98	10.03
Springfield .....	288.56	318.72	322.36	39.1	39.3	39.7	7.38	8.11	8.12
<b>MONTANA</b> .....	384.54	405.27	415.26	39.4	39.5	39.7	9.76	10.26	10.46
<b>NEBRASKA</b> .....	330.66	346.50	342.54	39.6	39.6	39.6	8.35	8.75	8.65
Lincoln .....	312.91	327.12	330.87	37.7	37.3	37.9	8.30	8.77	8.73
Omaha .....	333.03	348.08	356.20	38.5	38.0	39.1	8.65	9.16	9.11
<b>NEVADA</b> .....	322.45	351.66	343.55	36.6	38.9	38.3	8.81	9.04	8.97
Las Vegas .....	397.58	438.34	(*)	38.6	40.7	(*)	10.30	10.77	(*)

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		
	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P
<b>NEW HAMPSHIRE</b> .....	\$270.18	\$292.66	\$295.32	39.5	40.2	40.4	\$6.84	\$7.28	\$7.31
Manchester .....	254.80	270.97	273.14	39.2	39.5	39.7	6.50	6.86	6.88
Nashua .....	305.37	346.32	348.84	39.0	40.6	40.8	7.83	8.53	8.55
<b>NEW JERSEY</b> .....	346.15	370.17	370.58	40.0	40.5	40.5	8.65	9.14	9.15
Atlantic City .....	258.82	320.54	304.71	37.5	42.4	40.9	6.91	7.56	7.45
Camden <sup>2</sup> .....	363.61	387.65	395.69	40.8	39.8	40.5	8.91	9.74	9.77
Hackensack <sup>3</sup> .....	301.43	326.43	322.40	39.7	40.3	40.0	7.59	8.10	8.06
Jersey City <sup>3</sup> .....	324.77	338.00	342.15	40.1	40.0	40.3	8.09	8.45	8.49
New Brunswick—Perth Amboy—Sayreville <sup>4</sup> .....	396.74	414.93	420.65	41.2	40.6	40.8	9.62	10.22	10.31
Newark <sup>5</sup> .....	351.94	380.55	383.80	40.5	40.7	40.7	8.70	9.35	9.43
Paterson—Clifton—Passaic <sup>2</sup> .....	327.11	356.94	365.03	40.2	40.7	41.2	8.14	8.77	8.86
Trenton .....	364.90	368.96	369.56	40.3	40.5	40.7	9.05	9.11	9.08
<b>NEW MEXICO</b> .....	277.85	308.56	303.75	39.3	40.6	40.5	7.07	7.60	7.50
Albuquerque .....	299.49	303.88	306.71	39.2	41.4	41.9	7.64	7.34	7.32
<b>NEW YORK</b> .....	322.87	342.52	342.91	38.9	39.1	39.1	8.30	8.76	8.77
Albany—Schenectady—Troy .....	332.74	365.22	358.09	39.1	40.4	39.7	8.51	9.04	9.02
Binghamton .....	287.12	317.18	317.93	40.1	40.2	40.5	7.16	7.89	7.85
Buffalo .....	428.53	443.59	451.25	39.9	40.4	40.8	10.74	10.98	11.06
Elmira .....	336.40	342.94	351.12	40.0	39.6	39.9	8.41	8.66	8.80
Monroe County <sup>4</sup> .....	443.31	472.73	474.37	41.2	41.0	41.0	10.76	11.53	11.57
Nassau—Suffolk <sup>5</sup> .....	316.79	346.87	345.26	39.5	40.1	40.1	8.02	8.65	8.61
New York—Northeastern New Jersey .....	310.44	334.54	334.62	39.0	38.9	39.0	7.96	8.60	8.58
New York and Nassau—Suffolk <sup>2</sup> .....	283.88	305.75	305.37	37.6	37.7	37.7	7.55	8.11	8.10
New York SMSA <sup>5</sup> .....	274.91	293.04	293.78	37.1	37.0	37.0	7.41	7.92	7.94
New York City <sup>4</sup> .....	267.91	287.73	289.25	36.6	36.7	36.8	7.32	7.84	7.86
Poughkeepsie .....	321.07	387.63	(*)	40.9	43.8	(*)	7.85	8.85	(*)
Rochester .....	419.43	446.76	448.39	41.0	40.8	40.8	10.23	10.95	10.99
Rockland County <sup>6</sup> .....	317.75	342.00	345.07	38.1	40.0	39.8	8.34	8.55	8.67
Syracuse .....	357.54	375.47	380.15	40.4	40.2	40.1	8.85	9.34	9.48
Utica—Rome .....	304.98	325.20	322.76	39.0	40.0	39.7	7.82	8.13	8.13
Westchester County <sup>2</sup> .....	328.68	324.14	322.79	41.5	38.0	38.2	7.92	8.53	8.45
<b>NORTH CAROLINA</b> .....	235.75	264.67	263.87	37.6	39.8	39.8	6.27	6.65	6.63
Asheville .....	234.35	259.35	259.10	38.8	39.9	39.8	6.04	6.50	6.51
Charlotte—Gastonia .....	241.67	275.37	277.64	38.3	41.1	41.5	6.31	6.70	6.69
Greensboro—Winston-Salem—High Point .....	254.29	280.19	281.91	36.8	38.7	39.1	6.91	7.24	7.21
Raleigh—Durham .....	277.59	315.19	312.80	38.5	40.1	40.0	7.21	7.86	7.82
<b>NORTH DAKOTA</b> .....	278.98	292.02	300.99	37.0	37.2	38.1	7.54	7.85	7.90
Fargo—Moorhead .....	285.36	305.33	307.73	37.4	37.1	37.3	7.63	8.23	8.25
<b>OHIO</b> .....	403.61	429.91	433.01	40.2	41.1	41.2	10.04	10.46	10.51
Akron .....	401.80	435.20	442.55	41.0	42.5	42.8	9.80	10.24	10.34
Canton .....	393.04	410.41	409.64	38.8	39.5	39.2	10.13	10.39	10.45
Cincinnati .....	387.32	410.45	413.69	40.6	40.8	41.0	9.54	10.06	10.09
Cleveland .....	409.86	416.52	423.28	40.5	40.4	40.7	10.12	10.31	10.40
Columbus .....	368.02	396.77	399.37	39.7	40.2	40.3	9.27	9.87	9.91
Dayton .....	402.40	425.39	430.09	40.0	41.1	41.0	10.06	10.35	10.49
Toledo .....	447.31	473.45	477.85	41.0	42.5	42.4	10.91	11.14	11.27
Youngstown—Warren .....	459.81	504.69	530.80	39.3	41.3	42.6	11.70	12.22	12.46
<b>OKLAHOMA</b> .....	339.95	360.59	362.80	39.3	39.8	40.0	8.65	9.06	9.07
Oklahoma City .....	350.66	377.85	372.80	39.4	39.9	40.0	8.90	9.47	9.32
Tulsa .....	367.85	385.53	387.30	39.3	39.3	39.4	9.36	9.81	9.83
<b>OREGON</b> .....	382.14	399.50	400.67	38.1	38.9	38.9	10.03	10.27	10.30
Eugene—Springfield .....	403.76	432.54	430.26	39.2	40.5	40.4	10.30	10.68	10.65
Medford .....	357.49	379.99	(*)	38.9	39.5	(*)	9.19	9.62	(*)
Portland .....	376.73	404.56	399.64	37.3	38.9	38.8	10.10	10.40	10.30
Salem .....	323.40	374.12	(*)	35.0	37.6	(*)	9.24	9.95	(*)
<b>PENNSYLVANIA</b> .....	327.37	343.98	345.64	38.2	39.0	39.1	8.57	8.82	8.84
Allentown—Bethlehem—Easton .....	327.22	331.36	341.51	37.1	37.4	38.2	8.82	8.86	8.94
Altoona .....	283.42	294.91	298.36	39.2	38.5	38.3	7.23	7.66	7.79
Delaware Valley <sup>7</sup> .....	339.40	360.60	362.85	38.7	38.9	39.1	8.77	9.27	9.28
Erie .....	355.21	378.14	378.95	39.6	40.1	40.4	8.97	9.43	9.38
Harrisburg .....	322.63	327.15	333.83	38.5	38.9	39.6	8.38	8.41	8.43
Johnstown .....	316.11	269.19	278.58	35.8	34.6	35.9	8.83	7.78	7.76

See footnotes at end of table.

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P
<b>PENNSYLVANIA—Continued</b>									
Lancaster .....	\$297.60	\$322.97	\$321.36	38.4	39.1	39.0	\$7.75	\$8.29	\$8.24
Northeast Pennsylvania .....	249.66	270.05	269.36	36.5	37.3	37.0	6.84	7.24	7.28
Philadelphia SMSA .....	339.99	363.09	366.28	38.9	39.0	39.3	8.74	9.31	9.32
Pittsburgh .....	401.06	423.44	421.58	37.8	39.5	39.4	10.61	10.72	10.70
Reading .....	317.88	339.37	347.60	39.1	39.6	40.0	8.13	8.57	8.69
Williamsport .....	301.82	308.35	311.61	39.3	38.4	39.0	7.68	8.03	7.99
York .....	304.58	325.99	332.93	38.8	40.8	40.9	7.85	7.99	8.14
<b>RHODE ISLAND</b>									
Providence—Warwick—Pawtucket .....	257.94	274.03	273.64	39.2	39.6	39.6	6.58	6.92	6.91
	254.41	272.34	271.95	39.2	39.7	39.7	6.49	6.86	6.85
<b>SOUTH CAROLINA</b>									
Charleston—North Charleston .....	252.95	278.80	283.81	38.5	40.0	40.2	6.57	6.97	7.06
Columbia .....	301.68	333.66	339.90	39.8	40.2	41.1	7.58	8.30	8.27
Greenville—Spartanburg .....	247.15	265.98	264.81	38.2	39.0	39.0	6.47	6.82	6.79
	249.60	265.86	268.00	38.4	39.8	40.0	6.50	6.68	6.70
<b>SOUTH DAKOTA</b>									
Sioux Falls .....	297.60	304.37	308.43	40.0	40.8	41.4	7.44	7.46	7.45
	426.50	(*)	(*)	44.8	(*)	(*)	9.52	(*)	(*)
<b>TENNESSEE</b>									
Chattanooga .....	274.00	298.80	304.50	38.7	40.0	40.6	7.08	7.47	7.50
Knoxville .....	266.42	291.37	299.10	38.5	40.3	41.6	6.92	7.23	7.19
Memphis .....	318.94	342.30	341.73	38.8	39.3	39.1	8.22	8.71	8.74
Nashville—Davidson .....	309.94	329.99	329.60	40.2	41.3	41.2	7.71	7.99	8.00
	302.64	333.70	343.60	38.9	40.4	41.1	7.78	8.26	8.36
<b>TEXAS</b>									
Dallas—Fort Worth .....	338.24	353.76	355.52	39.7	40.2	40.4	8.52	8.80	8.80
Houston .....	319.16	347.60	348.00	39.5	40.0	40.0	8.08	8.69	8.70
San Antonio .....	417.18	429.55	433.70	40.9	40.6	40.8	10.20	10.58	10.63
	247.78	267.30	254.80	39.9	40.5	39.2	6.21	6.60	6.50
<b>UTAH</b>									
Salt Lake City—Ogden .....	318.34	337.17	339.99	38.4	38.8	38.9	8.29	8.69	8.74
	317.77	337.08	342.78	38.8	38.7	39.4	8.19	8.71	8.70
<b>VERMONT</b>									
Burlington .....	280.19	297.47	296.29	38.7	39.4	39.4	7.24	7.55	7.52
Springfield .....	317.02	354.85	346.88	40.8	41.6	41.1	7.77	8.53	8.44
	301.84	308.48	308.90	39.2	38.9	39.2	7.70	7.93	7.88
<b>VIRGINIA</b>									
Bristol .....	282.51	302.57	306.09	38.7	39.5	39.7	7.30	7.66	7.71
Lynchburg .....	244.83	249.23	250.64	37.9	38.7	38.5	6.46	6.44	6.51
Norfolk—Virginia Beach—Portsmouth .....	252.59	272.60	274.48	37.2	37.6	37.6	6.79	7.25	7.30
Northern Virginia <sup>a</sup> .....	317.12	327.10	339.75	41.4	41.3	42.1	7.66	7.92	8.07
Petersburg—Colonial Heights—Hopewell .....	304.96	338.62	337.34	39.4	40.7	40.4	7.74	8.32	8.35
Richmond .....	375.71	391.15	395.11	39.3	40.2	40.4	9.56	9.73	9.78
Roanoke .....	360.21	397.02	400.78	38.9	39.0	39.1	9.26	10.18	10.25
	257.28	264.10	273.38	39.1	39.3	40.5	6.58	6.72	6.75
<b>WASHINGTON</b>									
	427.64	439.30	(*)	38.7	38.3	(*)	11.05	11.47	(*)
<b>WEST VIRGINIA</b>									
Charleston .....	357.82	382.54	386.86	38.6	39.6	39.8	9.27	9.66	9.72
Huntington—Ashland .....	433.42	456.87	466.99	41.2	41.8	42.3	10.52	10.93	11.04
Parkersburg—Marietta .....	399.81	411.31	415.01	37.4	37.7	37.9	10.69	10.91	10.95
Wheeling .....	411.28	424.60	433.76	40.6	40.4	40.2	10.13	10.51	10.79
	373.00	429.00	411.45	37.3	39.0	39.0	10.00	11.00	10.55
<b>WISCONSIN</b>									
Appleton—Oshkosh .....	368.94	391.55	395.11	39.4	40.2	40.4	9.36	9.74	9.78
Eau Claire .....	359.76	389.48	392.08	40.3	41.7	41.8	8.94	9.34	9.38
Green Bay .....	346.68	383.68	380.88	39.6	41.3	41.4	8.75	9.29	9.20
Janesville—Beloit .....	402.45	415.71	438.68	41.8	41.2	41.7	9.63	10.09	10.52
Kenosha .....	409.65	469.10	422.71	40.8	43.8	41.2	10.04	10.71	10.26
La Crosse .....	428.30	472.32	472.88	38.9	41.0	41.3	11.02	11.52	11.45
Madison .....	336.49	348.10	354.40	38.8	39.2	40.0	8.68	8.88	8.86
Milwaukee .....	377.26	377.45	374.12	39.5	39.9	39.8	9.55	9.46	9.40
Racine .....	407.17	432.80	438.34	39.4	40.0	40.4	10.34	10.82	10.85
	392.96	402.80	400.23	39.1	40.0	39.2	10.05	10.07	10.21
<b>WYOMING</b>									
	345.35	296.38	313.39	38.5	35.2	37.0	8.97	8.42	8.47

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		
	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P	MAY 1982	APR. 1983	MAY 1983P
<b>VIRGIN ISLANDS</b> .....	406.16	419.42	429.45	41.7	40.8	40.9	9.74	10.28	10.50

<sup>1</sup> Area included in Chicago—Gary Standard Consolidated Statistical Area.  
<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.

NOTE: All State and area data have been adjusted to March 1982 benchmarks except Alaska and Wisconsin.

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	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	MAY. 1982	APR. 1983	MAY. 1983P	MAY. 1982	APR. 1983	MAY. 1983P	MAY. 1982	APR. 1983	MAY. 1983P
<b>ALABAMA</b>	1,722.0	1,732.7	1,727.5	234.9	236.6	223.0	13.6	13.7	12.9
Birmingham	385.1	387.3	384.5	48.4	50.6	48.0	12.6	13.1	12.5
Huntsville	149.0	153.8	154.3	16.5	15.5	14.6	11.1	10.1	9.4
Mobile	195.4	199.4	197.5	26.1	30.7	28.6	13.4	15.4	14.5
Montgomery	125.9	124.4	123.8	14.7	14.2	13.1	11.7	11.4	10.6
Tuscaloosa	56.1	55.7	56.0	7.3	6.6	7.0	13.1	11.9	12.4
<b>ALASKA</b>	206.5	216.5	221.6	21.4	24.6	23.7	10.3	11.4	10.7
<b>ARIZONA</b>	1,327.8	1,339.4	1,331.1	123.0	139.3	134.0	9.3	10.4	10.1
Phoenix	810.9	813.8	809.9	60.2	66.3	63.9	7.4	8.1	7.9
Tucson	245.3	252.1	250.3	21.3	26.3	24.6	8.7	10.4	9.8
<b>ARKANSAS</b>	1,031.3	1,020.0	1,029.5	90.5	91.8	93.0	8.8	9.0	9.0
Fayetteville-Springdale	82.8	83.3	82.6	5.0	5.2	5.2	6.0	6.3	6.2
Fort Smith <sup>1</sup>	87.1	86.2	87.2	9.1	8.7	8.9	10.4	10.0	10.2
Little Rock—North Little Rock	197.7	196.6	196.0	14.2	13.9	14.0	7.2	7.1	7.2
Pine Bluff	39.1	37.8	38.2	3.8	3.6	3.6	9.8	9.6	9.5
<b>CALIFORNIA<sup>2</sup></b>	12,119.2	12,100.2	12,246.7	1,089.1	1,199.5	1,214.3	9.0	9.9	9.9
Anaheim—Santa Ana—Garden Grove	1,199.4	1,204.0	1,206.8	77.2	78.3	79.1	6.4	6.5	6.6
Bakersfield	207.5	214.9	219.2	21.8	29.2	29.0	10.5	13.6	13.2
Fresno	287.0	282.3	297.2	37.8	43.8	41.6	13.2	15.5	14.0
Los Angeles—Long Beach <sup>3</sup>	3,805.0	3,672.0	3,749.0	319.0	358.0	377.0	8.4	9.7	10.1
Modesto	138.0	139.4	142.4	26.4	28.5	29.4	19.1	20.4	20.6
Oxnard—Simi Valley—Ventura	259.6	268.3	269.0	22.6	24.5	24.3	8.7	9.1	9.0
Riverside—San Bernardino—Ontario	630.0	641.9	640.5	67.7	68.3	69.5	10.8	10.6	10.8
Sacramento	511.0	517.2	519.9	54.9	55.0	55.0	10.7	10.6	10.6
Salinas—Seaside—Monterey	145.0	146.9	149.0	12.6	19.9	17.2	8.7	13.5	11.5
San Diego	825.8	840.1	840.4	67.8	72.4	72.4	8.2	8.6	8.6
San Francisco—Oakland	1,728.4	1,768.9	1,770.7	128.0	136.4	140.0	7.4	7.7	7.9
San Jose	810.6	830.1	833.1	55.7	62.1	63.2	6.9	7.5	7.6
Santa Barbara—Santa Maria—Lompoc	162.2	166.6	167.0	11.1	13.2	12.4	6.8	7.9	7.4
Santa Rosa	146.2	148.5	149.5	13.8	14.6	14.3	9.4	9.8	9.6
Stockton	178.8	172.2	179.6	27.0	29.4	29.2	15.1	17.1	16.2
Vallejo—Fairfield—Napa	139.6	142.9	144.7	13.0	16.1	15.8	9.3	11.3	10.9
<b>COLORADO</b>	1,578.9	1,626.3	1,641.7	120.1	139.3	127.9	7.6	8.6	7.8
Denver—Boulder	940.6	967.1	978.2	60.6	68.9	63.6	6.4	7.1	6.5
<b>CONNECTICUT</b>	1,613.1	1,606.7	1,615.1	105.7	112.1	101.6	6.6	7.0	6.3
Bridgeport	193.2	191.9	192.0	13.5	16.5	14.8	7.0	8.6	7.7
Hartford	389.0	388.2	392.5	23.4	24.1	22.0	6.0	6.2	5.6
New Britain	74.2	71.9	72.1	6.1	5.7	5.4	8.2	7.9	7.5
New Haven—West Haven	199.1	198.3	198.3	13.2	14.5	13.1	6.6	7.3	6.6
Stamford	127.3	129.1	130.3	5.2	5.8	5.6	4.1	4.5	4.3
Waterbury	106.4	104.3	104.7	9.6	8.8	8.1	9.0	8.5	7.8
<b>DELAWARE</b>	299.4	295.4	298.9	22.0	19.3	20.4	7.3	6.5	6.8
Wilmington <sup>1</sup>	265.3	261.0	263.1	19.9	18.0	19.1	7.5	6.9	7.3
<b>DISTRICT OF COLUMBIA</b>	314.2	316.7	317.0	31.2	32.6	33.1	9.9	10.3	10.4
Washington SMSA <sup>1</sup>	1,710.3	1,726.8	1,743.0	96.8	84.9	82.9	5.7	4.9	4.8
<b>FLORIDA<sup>2</sup></b>	4,670.8	4,727.2	4,747.7	342.9	394.8	412.4	7.3	8.4	8.7
Daytona Beach	116.0	115.1	115.6	6.8	7.9	8.0	5.9	6.9	6.9
Fort Lauderdale—Hollywood	495.6	490.0	492.5	29.7	36.0	38.4	6.0	7.3	7.8
Fort Myers—Cape Coral	101.8	106.0	105.8	6.8	8.1	8.2	6.7	7.6	7.7
Gainesville	78.8	78.2	78.6	3.4	3.6	3.9	4.4	4.6	5.0
Jacksonville	349.1	354.4	361.5	22.4	27.8	32.0	6.4	7.9	8.9
Lakeland—Winter Haven	151.9	146.6	146.8	19.2	20.1	20.7	12.7	13.7	14.1
Melbourne—Titusville—Cocoa	124.8	127.2	129.1	8.4	9.8	10.4	6.8	7.7	8.1
Miami	838.6	833.5	835.7	81.7	80.6	83.8	9.7	9.7	10.0
Orlando	388.7	409.4	415.0	22.7	27.6	28.9	5.8	6.7	7.0
Pensacola	125.0	129.2	130.7	7.5	9.7	10.2	6.0	7.5	7.8
Sarasota	84.7	85.1	85.9	4.9	5.7	5.7	5.7	6.7	6.7
Tallahassee	84.8	86.0	86.7	3.5	4.4	4.9	4.2	5.1	5.6
Tampa—St. Petersburg	736.4	748.5	749.2	47.4	57.4	59.2	6.4	7.7	7.9
West Palm Beach—Boca Raton	275.1	285.9	282.9	18.8	23.5	24.2	6.8	8.2	8.5

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	MAY. 1982	APR. 1983	MAY. 1983P	MAY. 1982	APR. 1983	MAY. 1983P	MAY. 1982	APR. 1983	MAY. 1983P
<b>GEORGIA</b> .....	2,657.9	2,691.4	2,693.2	197.6	196.3	192.2	7.4	7.3	7.1
Albany .....	53.0	52.9	52.8	4.4	4.9	4.8	8.2	9.2	9.1
Athens .....	65.9	66.5	66.7	3.8	4.4	4.3	5.8	6.6	6.4
Atlanta .....	1,101.3	1,116.9	1,115.8	67.6	68.3	67.3	6.1	6.1	6.0
Augusta .....	136.0	137.6	136.5	11.6	12.6	12.1	8.5	9.2	8.9
Columbus <sup>1</sup> .....	88.8	86.7	86.8	8.0	7.6	7.4	9.0	8.8	8.5
Macon .....	108.7	108.8	108.4	7.2	7.9	8.0	6.7	7.3	7.4
Savannah .....	98.0	99.3	99.4	7.5	8.1	8.5	7.7	8.1	8.6
<b>HAWAII</b> .....	460.7	464.1	462.6	30.7	28.3	29.6	6.7	6.1	6.4
Honolulu .....	353.6	355.5	354.9	21.3	19.1	20.3	6.0	5.4	5.7
<b>IDAHO</b> .....	446.4	451.6	453.0	42.2	52.7	47.5	9.5	11.7	10.5
Boise City .....	93.5	95.9	95.1	6.6	8.5	7.7	7.1	8.9	8.1
<b>ILLINOIS<sup>2</sup></b> .....	5,532.1	5,536.8	5,591.2	584.7	658.9	658.0	10.6	11.9	11.8
Bloomington—Normal .....	60.5	63.4	62.0	4.2	5.2	5.1	7.0	8.2	8.2
Champaign—Urbana—Rantoul .....	86.4	86.3	87.7	4.6	5.7	6.0	5.3	6.6	6.8
Chicago .....	3,450.2	3,442.8	3,478.3	347.1	372.0	374.6	10.1	10.8	10.8
Davenport—Rock Island—Moline <sup>3</sup> .....	191.1	192.3	191.7	20.5	29.1	28.3	10.7	15.2	14.8
Decatur .....	66.3	63.1	63.5	11.7	10.3	10.5	17.7	16.4	16.5
Kankakee .....	42.0	40.7	41.3	6.1	7.3	7.1	14.6	17.9	17.2
Peoria .....	172.6	172.4	172.0	19.8	28.1	28.0	11.5	16.3	16.3
Rockford .....	135.0	132.2	133.3	24.1	20.6	19.8	17.8	15.6	14.8
Springfield .....	98.7	99.9	100.6	6.6	9.2	9.1	6.7	9.2	9.1
<b>INDIANA</b> .....	2,623.0	2,553.8	2,554.5	292.2	283.6	260.3	11.1	11.1	10.2
Anderson .....	56.0	54.0	54.2	8.0	6.8	6.3	14.2	12.6	11.6
Elkhart .....	69.1	70.9	72.2	5.9	4.4	4.1	8.6	6.2	5.7
Evansville <sup>4</sup> .....	148.0	N.A.	N.A.	12.1	N.A.	N.A.	8.2	N.A.	N.A.
Fort Wayne .....	189.5	182.4	182.5	21.8	20.4	18.9	11.5	11.2	10.3
Gary—Hammond—East Chicago .....	288.9	280.5	277.1	43.7	44.1	39.8	15.1	15.7	14.4
Indianapolis .....	604.6	596.2	598.3	52.0	56.2	52.9	8.6	9.4	8.8
Lafayette—West Lafayette .....	62.7	63.2	61.5	4.2	4.7	4.3	6.8	7.4	6.9
Muncie .....	56.8	54.8	54.5	7.0	6.8	5.9	12.4	12.4	10.9
South Bend .....	141.9	136.3	137.1	13.6	11.4	11.1	9.6	8.4	8.1
Terre Haute .....	81.4	79.6	79.1	8.6	10.3	9.6	10.6	13.0	12.1
<b>IOWA</b> .....	1,451.8	1,440.9	1,437.4	109.4	129.3	116.6	7.5	9.0	8.1
Cedar Rapids .....	86.6	84.0	81.7	8.0	8.1	7.3	9.2	9.6	8.9
Des Moines .....	184.6	183.5	182.3	13.2	14.5	13.9	7.2	7.9	7.6
Dubuque .....	44.6	42.9	42.5	5.8	5.5	5.1	13.0	12.9	11.9
Sioux City <sup>5</sup> .....	57.1	54.7	54.4	4.4	4.6	4.2	7.7	8.3	7.7
Waterloo—Cedar Falls .....	68.1	66.1	64.9	7.6	8.9	8.3	11.2	13.5	12.8
<b>KANSAS</b> .....	1,203.0	1,202.9	1,202.9	70.1	77.2	73.0	5.8	6.4	6.1
Lawrence .....	34.7	34.9	34.6	1.6	1.6	1.7	4.5	4.6	5.0
Topeka .....	95.5	97.2	96.2	6.0	6.4	6.2	6.2	6.6	6.4
Wichita .....	226.2	224.6	223.1	17.9	18.4	17.0	7.9	8.2	7.6
<b>KENTUCKY</b> .....	1,693.1	N.A.	N.A.	168.0	N.A.	N.A.	9.9	N.A.	N.A.
Lexington—Fayette .....	182.3	N.A.	N.A.	10.2	N.A.	N.A.	5.6	N.A.	N.A.
Louisville <sup>6</sup> .....	439.6	N.A.	N.A.	48.4	N.A.	N.A.	11.0	N.A.	N.A.
Owensboro .....	43.9	N.A.	N.A.	3.8	N.A.	N.A.	8.7	N.A.	N.A.
<b>LOUISIANA</b> .....	1,850.3	1,849.5	1,852.1	175.6	225.9	231.7	9.5	12.2	12.5
Alexandria .....	72.5	74.2	74.3	7.6	9.0	9.1	10.5	12.2	12.2
Baton Rouge .....	226.5	229.9	230.1	19.2	22.9	23.8	8.5	10.0	10.3
Lafayette .....	97.2	100.5	100.1	4.5	7.6	8.2	4.7	7.5	8.2
Lake Charles .....	77.1	73.9	73.7	10.5	10.0	10.8	13.7	13.6	14.7
Monroe .....	57.6	57.6	57.6	6.2	6.6	6.5	10.7	11.4	11.4
New Orleans .....	511.8	509.5	506.4	44.3	55.6	56.0	8.7	10.9	11.1
Shreveport .....	163.7	160.3	161.1	13.6	19.2	19.7	8.3	12.0	12.2
<b>MAINE</b> .....	513.3	521.4	537.6	44.3	51.7	51.4	8.6	9.9	9.6
Lewiston—Auburn .....	38.3	38.6	39.8	3.6	3.7	3.8	9.5	9.7	9.5
Portland .....	94.4	98.8	100.8	5.8	6.6	7.0	6.2	6.7	6.9
<b>MARYLAND</b> .....	2,170.7	2,122.6	2,146.3	172.7	153.2	141.4	8.0	7.2	6.6
Baltimore .....	1,078.2	1,044.8	1,053.3	101.7	86.3	79.9	9.4	8.3	7.6

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	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	MAY. 1982	APR. 1983	MAY. 1983P	MAY. 1982	APR. 1983	MAY. 1983P	MAY. 1982	APR. 1983	MAY. 1983P
<b>MASSACHUSETTS*</b>	2,994.0	2,944.8	2,951.5	256.4	197.3	192.6	8.6	6.7	6.5
Boston	1,445.1	1,441.3	1,442.8	107.6	80.2	80.4	7.4	5.6	5.6
Brockton	82.5	80.9	81.3	8.6	6.2	6.3	10.4	7.7	7.7
Fall River <sup>1</sup>	77.1	71.9	72.9	9.6	7.8	7.0	12.5	10.8	9.6
Lawrence—Haverhill <sup>1</sup>	148.5	145.9	146.7	13.4	10.7	10.3	9.0	7.3	7.0
Lowell	133.9	133.2	133.1	11.2	7.4	7.1	8.4	5.5	5.3
New Bedford	85.9	86.7	82.6	11.1	8.4	7.7	12.9	9.6	9.3
Springfield—Chicopee—Holyoke	291.3	281.2	282.9	25.3	18.5	18.8	8.7	6.6	6.6
Worcester	200.7	196.3	193.5	18.3	16.8	14.7	9.1	8.6	7.6
<b>MICHIGAN*</b>	4,303.1	4,288.3	4,377.2	613.2	666.4	641.3	14.3	15.5	14.7
Ann Arbor	140.2	147.5	144.0	11.4	16.4	15.4	8.1	11.1	10.7
Battle Creek	81.7	82.1	83.8	12.5	12.6	12.2	15.3	15.3	14.6
Bay City	53.0	52.8	54.7	8.2	9.4	9.0	15.5	17.8	16.5
Benton Harbor	72.2	70.4	72.2	10.8	12.2	12.0	15.0	17.3	16.7
Detroit	1,989.1	1,976.9	2,018.7	284.2	310.9	309.5	14.3	15.7	15.3
Flint	225.9	221.2	227.9	44.8	38.0	35.9	19.8	17.2	15.8
Grand Rapids	331.2	331.0	339.0	37.0	41.0	39.1	11.2	12.4	11.5
Jackson	67.1	64.8	66.0	10.3	11.3	11.0	15.4	17.5	16.6
Kalamazoo—Portage	138.0	137.1	139.7	13.8	16.1	16.1	10.0	11.8	11.5
Lansing—East Lansing	242.4	243.4	250.7	30.1	27.2	26.4	12.4	11.2	10.5
Muskegon—Norton Shores—Muskegon Heights	80.2	78.9	80.9	13.5	14.9	14.3	16.8	18.9	17.7
Saginaw	98.8	98.4	100.4	16.8	15.3	13.8	17.0	15.5	13.7
<b>MINNESOTA</b>	2,205.5	2,119.2	2,145.5	163.5	190.3	169.7	7.4	9.0	7.9
Duluth—Superior <sup>1</sup>	117.1	112.0	111.1	16.1	22.6	18.9	13.7	20.2	17.0
Minneapolis—St. Paul	1,179.3	1,140.4	1,149.4	73.1	82.3	76.1	6.2	7.2	6.6
Rochester	58.0	57.7	58.0	3.0	3.4	3.1	5.2	5.8	5.3
St. Cloud	78.2	76.9	78.2	7.1	8.1	7.1	9.0	10.6	9.1
<b>MISSISSIPPI</b>	1,073.3	1,054.5	1,063.0	113.7	121.5	126.2	10.6	11.5	11.9
Jackson	161.4	158.3	158.6	11.4	11.4	12.3	7.1	7.2	7.8
<b>MISSOURI</b>	2,316.0	2,318.3	2,340.9	197.8	237.4	218.4	8.5	10.2	9.3
Kansas City <sup>1</sup>	675.2	672.0	675.6	50.6	59.8	53.4	7.5	8.9	7.9
St. Joseph	45.8	46.3	46.3	4.3	5.4	4.6	9.4	11.6	10.0
St. Louis <sup>1</sup>	1,113.3	1,121.7	1,130.5	103.4	121.2	117.8	9.3	10.8	10.4
Springfield	107.6	111.3	111.8	6.8	9.1	8.4	6.4	8.2	7.5
<b>MONTANA</b>	400.0	387.8	384.0	33.0	34.4	31.2	8.2	8.9	8.1
<b>NEBRASKA</b>	805.2	806.9	816.4	48.2	51.3	49.4	6.0	6.4	6.1
Lincoln	110.8	111.5	111.3	5.4	5.6	5.4	4.9	5.0	4.8
Omaha <sup>1</sup>	287.4	290.3	287.9	20.3	19.9	19.2	7.0	6.9	6.7
<b>NEVADA</b>	486.0	496.8	502.4	47.5	49.6	47.9	9.8	10.0	9.5
Las Vegas	270.6	278.6	283.3	29.1	28.3	27.8	10.7	10.2	9.8
Reno	133.2	135.3	135.9	10.3	11.8	11.4	7.7	8.8	8.4
<b>NEW HAMPSHIRE</b>	485.3	495.0	499.0	35.5	33.0	28.0	7.3	6.7	5.6
Manchester	84.0	87.7	88.5	5.8	5.2	4.7	6.9	6.0	5.3
Nashua	83.5	87.6	88.2	5.2	4.4	3.9	6.3	5.0	4.4
<b>NEW JERSEY</b>	3,673.7	3,604.1	3,613.7	354.9	268.1	271.7	9.7	7.4	7.5
Atlantic City	122.2	119.9	120.9	13.6	10.3	9.9	11.2	8.6	8.2
Jersey City	252.4	239.4	238.6	39.7	29.3	29.6	15.7	12.2	12.4
Long Branch—Asbury Park	251.8	248.0	252.3	20.9	16.3	16.8	8.3	6.6	6.7
New Brunswick—Perth Amboy—Sayreville	336.2	334.6	333.1	28.1	22.2	23.3	8.4	6.6	7.0
Newark	986.3	969.6	968.7	92.0	68.9	70.4	9.3	7.1	7.3
Paterson—Clifton—Passaic	215.1	216.3	215.8	25.6	20.7	21.2	11.9	9.6	9.8
Trenton	160.6	158.0	157.4	14.0	10.1	9.6	8.8	6.4	6.1
Vineland—Millville—Bridgeton	59.6	57.4	57.2	10.7	7.5	7.8	17.9	13.0	13.6
<b>NEW MEXICO</b>	592.2	593.6	600.1	51.9	58.3	61.7	8.8	9.8	10.3
Albuquerque	217.3	223.0	223.5	16.7	18.0	19.0	7.7	8.1	8.5
Las Cruces	38.3	38.1	40.2	3.8	3.5	3.8	10.0	9.2	9.6

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	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	MAY. 1982	APR. 1983	MAY. 1983P	MAY. 1982	APR. 1983	MAY. 1983P	MAY. 1982	APR. 1983	MAY. 1983P
<b>NEW YORK<sup>1</sup></b> .....	8,032.2	7,968.7	7,869.3	632.9	714.1	669.2	7.9	9.0	8.5
Albany—Schenectady—Troy.....	371.6	381.0	376.9	23.4	30.2	29.1	6.3	7.9	7.7
Binghamton <sup>1</sup> .....	139.4	140.9	140.5	10.4	12.0	11.4	7.5	8.5	8.1
Buffalo.....	549.5	546.7	540.8	64.7	74.3	70.0	11.8	13.6	12.9
Elmira.....	38.7	37.7	36.9	4.7	4.8	4.2	12.3	12.8	11.4
Nassau-Suffolk.....	1,325.7	1,371.0	1,361.6	76.6	91.3	86.6	5.8	6.7	6.4
New York.....	3,717.5	3,560.2	3,500.1	303.8	305.5	291.4	8.2	8.6	8.3
New York City <sup>2</sup> .....	3,107.0	2,934.0	2,881.0	274.0	269.0	257.0	8.8	9.2	8.9
Poughkeepsie.....	112.4	115.6	115.0	6.2	7.5	7.7	5.5	6.5	6.7
Rochester.....	471.1	483.0	475.5	29.3	46.6	41.7	6.2	9.6	8.8
Syracuse.....	296.3	308.1	300.6	22.2	27.4	24.0	7.5	8.9	8.0
Utica—Rome.....	133.7	135.8	134.6	11.0	13.7	12.5	8.2	10.1	9.3
<b>NORTH CAROLINA</b> .....	2,952.2	2,896.5	2,904.6	260.8	252.3	244.1	8.8	8.7	8.4
Asheville.....	90.1	90.3	91.3	7.0	6.8	6.4	7.8	7.5	7.0
Charlotte—Gastonia.....	378.4	381.6	383.7	25.1	24.5	24.4	6.6	6.4	6.4
Greensboro—Winston-Salem—High Point.....	455.0	454.3	454.9	36.0	34.4	33.0	7.9	7.6	7.3
Raleigh—Durham.....	315.9	324.9	323.3	13.5	13.7	13.8	4.3	4.2	4.3
<b>NORTH DAKOTA</b> .....	325.5	323.8	331.3	17.8	21.4	17.1	5.5	6.6	5.2
Fargo—Moorehead <sup>1</sup> .....	73.1	72.8	73.3	4.2	4.3	3.7	5.8	5.9	5.0
<b>OHIO<sup>3</sup></b> .....	5,103.1	5,087.8	5,166.1	567.6	652.5	664.3	11.1	12.8	12.9
Akron.....	304.3	306.7	311.9	31.1	39.2	40.1	10.2	12.8	12.9
Canton.....	190.4	191.6	194.5	23.4	29.9	30.4	12.3	15.6	15.6
Cincinnati <sup>1</sup> .....	681.8	N.A.	N.A.	65.1	N.A.	N.A.	9.6	N.A.	N.A.
Cleveland.....	929.6	923.2	936.5	87.9	110.2	114.2	9.5	11.9	12.2
Columbus.....	566.7	570.5	578.1	47.4	52.8	53.9	8.4	9.3	9.3
Dayton.....	389.1	386.2	389.0	40.7	42.3	41.6	10.4	11.0	10.7
Toledo <sup>1</sup> .....	367.5	368.7	378.5	39.5	47.9	50.2	10.7	13.0	13.3
Youngstown—Warren.....	236.4	229.9	234.0	41.0	39.5	40.5	17.3	17.2	17.3
<b>OKLAHOMA</b> .....	1,475.0	1,471.1	1,493.9	72.3	122.2	126.9	4.9	8.3	8.5
Enid.....	31.9	30.6	31.0	1.7	2.2	2.2	5.2	7.1	7.0
Lawton.....	35.2	34.9	35.7	1.5	2.2	2.2	4.3	6.3	6.2
Oklahoma City.....	455.3	460.3	468.7	17.6	28.9	29.4	3.9	6.3	6.3
Tulsa.....	352.9	346.5	351.7	19.1	31.8	33.7	5.4	9.2	9.6
<b>OREGON</b> .....	1,330.1	1,333.4	1,341.5	155.9	148.4	136.4	11.7	11.1	10.2
Eugene—Springfield.....	133.1	131.4	132.4	16.4	15.8	14.3	12.3	12.0	10.8
Medford.....	63.5	64.3	64.2	9.3	7.6	7.0	14.6	11.8	10.9
Portland <sup>1</sup> .....	665.5	666.8	668.3	67.0	67.2	64.0	10.1	10.1	9.6
Salem.....	123.2	123.4	124.8	13.9	13.1	12.2	11.3	10.6	9.8
<b>PENNSYLVANIA<sup>4</sup></b> .....	5,402.4	5,326.7	5,427.7	528.7	690.8	659.2	9.8	13.0	12.1
Allentown—Bethlehem—Easton <sup>1</sup> .....	307.6	297.3	303.7	30.7	38.2	36.4	10.0	12.8	12.0
Altoona.....	55.5	55.4	56.3	5.7	9.7	9.0	10.3	17.4	16.0
Erie.....	123.6	124.0	126.1	13.4	19.9	19.2	10.8	16.0	15.2
Harrisburg.....	232.0	226.4	232.2	13.7	16.3	15.1	5.9	7.2	6.5
Johnstown.....	104.8	107.1	105.4	14.5	25.6	22.2	13.9	23.9	21.1
Lancaster.....	183.3	176.4	180.4	12.6	12.2	11.4	6.9	6.9	6.3
Northeast Pennsylvania.....	283.0	277.4	284.1	28.8	34.2	31.9	10.2	12.3	11.2
Philadelphia <sup>1</sup> .....	2,166.5	2,140.6	2,178.3	183.9	191.4	189.6	8.5	8.9	8.7
Pittsburgh.....	1,024.3	1,004.5	1,022.1	108.0	160.7	156.9	10.5	16.0	15.4
Reading.....	156.6	153.4	156.6	14.6	16.5	15.5	9.3	10.8	9.9
Sharon.....	55.1	53.1	52.6	8.2	10.8	10.1	14.9	20.4	19.3
State College.....	50.7	50.4	51.3	4.3	5.8	5.3	8.4	11.5	10.4
Williamsport.....	51.9	51.3	52.3	6.1	8.1	7.9	11.7	15.8	15.1
York.....	179.4	174.1	177.7	17.8	19.9	19.1	9.9	11.4	10.7
<b>RHODE ISLAND</b> .....	483.8	471.7	470.0	48.2	45.5	40.2	10.0	9.6	8.6
Providence—Warwick—Pawtucket <sup>1</sup> .....	478.0	465.2	462.7	49.8	45.7	41.0	10.4	9.8	8.9
<b>SOUTH CAROLINA</b> .....	1,514.2	1,479.3	1,473.1	167.0	150.8	148.7	11.0	10.2	10.1
Charleston—North Charleston.....	181.9	180.6	180.6	13.4	15.1	15.0	7.4	8.4	8.3
Columbia.....	200.5	199.6	197.7	13.8	13.7	13.2	6.9	6.9	6.7
Greenville—Spartanburg.....	301.6	290.2	287.8	31.9	27.4	26.4	10.6	9.5	9.2
<b>SOUTH DAKOTA</b> .....	332.9	334.9	336.9	16.4	20.4	17.0	4.9	6.1	5.0
Sioux Falls.....	62.5	65.6	65.5	2.6	3.4	2.8	4.2	5.3	4.3
<b>TENNESSEE</b> .....	2,146.2	2,129.0	2,134.7	242.5	250.9	241.3	11.3	11.8	11.3
Chattanooga <sup>1</sup> .....	198.4	196.8	195.6	19.2	19.5	18.4	9.7	9.9	9.4
Knoxville.....	234.8	232.0	231.5	18.9	24.3	23.8	8.0	10.5	10.3
Memphis <sup>1</sup> .....	406.8	398.2	397.6	38.2	37.7	36.8	9.4	9.5	9.3
Nashville—Davidson.....	446.7	439.0	440.2	39.2	36.4	35.6	8.8	8.3	8.1

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	MAY. 1982	APR. 1983	MAY. 1983P	MAY. 1982	APR. 1983	MAY. 1983P	MAY. 1982	APR. 1983	MAY. 1983P
<b>TEXAS<sup>2</sup></b>	7,289.0	7,529.3	7,469.4	457.9	607.3	596.1	6.3	8.1	8.0
Abilene	76.5	78.7	77.7	4.0	4.1	3.9	5.2	5.2	5.0
Amarillo	89.2	96.6	95.7	4.0	5.1	4.8	4.5	5.3	5.0
Austin	292.9	302.6	300.1	14.2	11.5	12.0	4.8	3.8	4.0
Beaumont—Port Arthur—Orange	180.2	181.5	179.4	16.5	25.2	25.2	9.1	13.9	14.0
Brownsville—Harlingen—San Benito	87.1	85.6	84.7	9.5	13.9	13.6	10.9	16.3	16.1
Bryan—College Station	50.4	51.5	51.3	2.0	2.0	2.0	4.0	3.8	3.9
Corpus Christi	164.5	170.4	169.4	11.8	17.3	18.3	7.2	10.2	10.8
Dallas—Fort Worth	1,670.6	1,741.3	1,729.5	95.3	91.9	91.0	5.7	5.3	5.3
El Paso	187.1	194.2	192.8	19.5	24.3	23.5	10.4	12.5	12.2
Galveston—Texas City	88.8	90.7	90.7	8.5	11.4	11.2	9.6	12.6	12.3
Houston	1,743.0	1,780.2	1,763.8	96.8	168.7	166.4	5.6	9.5	9.4
Killeen—Temple	68.0	71.2	70.7	4.1	4.0	3.9	6.0	5.6	5.5
Laredo	40.7	42.9	42.0	5.3	11.8	11.4	13.0	27.5	27.2
Longview—Marshall	78.4	79.7	79.2	6.3	9.0	9.3	8.1	11.3	11.7
Lubbock	105.2	107.4	106.5	5.4	5.8	5.8	5.2	5.4	5.5
McAllen—Pharr—Edinburg	107.2	116.4	113.1	12.7	22.1	20.2	11.8	19.0	17.8
Midland	64.0	64.6	64.5	3.1	3.6	3.7	4.8	5.6	5.7
Odessa	76.2	72.1	71.5	3.7	6.8	6.9	4.8	9.5	9.6
San Angelo	47.4	46.9	46.7	2.6	2.4	2.4	5.4	5.2	5.1
San Antonio	464.2	482.6	481.0	30.2	28.1	28.2	6.5	5.8	5.9
Sherman—Denison	39.5	39.3	38.8	3.0	3.5	3.2	7.7	8.8	8.3
Texarkana	49.4	51.3	51.4	4.6	4.6	4.8	9.4	9.0	9.3
Tyler	72.7	73.9	72.9	4.5	4.8	4.7	6.1	6.4	6.4
Waco	82.0	84.8	83.8	4.1	4.9	4.4	5.0	5.7	5.2
Wichita Falls	66.9	66.3	65.6	3.7	4.5	4.2	5.5	6.7	6.5
<b>UTAH</b>	668.6	664.4	665.2	47.8	61.9	62.1	7.2	9.3	9.3
Salt Lake City—Ogden	438.6	434.0	435.4	31.1	37.3	38.0	7.1	8.6	8.7
<b>VERMONT</b>	265.1	258.2	260.0	18.0	20.7	19.8	6.8	8.0	7.6
Burlington	70.3	67.6	68.1	3.3	3.5	3.5	4.7	5.2	5.2
<b>VIRGINIA</b>	2,662.2	2,707.7	2,722.5	198.9	178.0	163.0	7.5	6.6	6.0
Lynchburg	77.6	76.3	76.8	7.0	5.5	5.2	9.1	7.3	6.8
Newport News—Hampton	168.8	175.4	178.1	11.1	8.9	8.8	6.6	5.1	4.9
Norfolk—Virginia Beach—Portsmouth	341.9	351.5	354.9	24.6	21.5	19.7	7.2	6.1	5.6
Petersburg—Colonial Heights—Hopewell	58.7	59.6	59.8	5.5	6.1	5.5	9.3	10.2	9.2
Richmond	340.0	346.0	348.6	21.1	17.9	17.8	6.2	5.2	5.1
Roanoke	112.7	114.9	115.3	8.2	7.5	6.5	7.3	6.5	5.7
<b>WASHINGTON</b>	2,032.6	2,038.1	2,029.0	243.3	230.9	225.2	12.0	11.3	11.1
<b>WEST VIRGINIA</b>	764.6	743.0	748.5	94.8	141.2	136.0	12.4	19.0	18.2
Charleston	121.7	115.4	117.1	10.8	15.8	15.6	8.9	13.7	13.3
Huntington—Ashland <sup>1</sup>	123.8	N.A.	N.A.	15.0	N.A.	N.A.	12.1	N.A.	N.A.
Parkersburg—Marietta <sup>1</sup>	72.9	71.6	72.9	8.0	10.7	11.5	11.0	15.0	15.8
Wheeling	83.4	80.2	80.2	11.1	13.5	14.0	13.3	16.9	17.5
<b>WISCONSIN</b>	2,473.5	2,429.1	2,423.7	257.9	277.7	247.4	10.4	11.4	10.2
Appleton—Oshkosh	154.5	152.6	151.9	16.7	16.8	14.8	10.8	11.0	9.8
Eau Claire	61.8	61.0	61.4	6.0	6.5	5.8	9.7	10.6	9.5
Green Bay	93.9	93.4	93.7	8.2	9.2	8.5	8.7	9.8	9.1
Janesville—Beloit	75.5	71.8	71.8	12.3	9.3	8.8	16.3	13.0	12.2
Kenosha	59.2	59.4	59.3	6.6	7.4	6.2	11.2	12.5	10.5
La Crosse	51.1	52.1	52.1	4.1	4.8	4.5	8.1	9.3	8.6
Madison	191.6	191.5	191.2	12.2	14.0	12.3	6.4	7.3	6.4
Milwaukee	741.1	720.7	718.2	76.7	82.4	76.0	10.3	11.4	10.6
Racine	87.9	83.9	83.0	12.5	12.8	10.6	14.2	15.2	12.8
<b>WYOMING</b>	256.3	263.3	267.1	13.8	28.8	26.9	5.4	10.9	10.1

<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 1982 have been benchmarked to 1982 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1983 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.



# Explanatory Notes

## Introduction

The statistics in this periodical are compiled from two major sources: (1) Household interviews, and (2) reports from employers.

*Data based on household interviews* are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed, and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 60,000 households, representing 629 areas in 1,148 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

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

### RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

Data from these two sources differ from each other because of differences in definitions and coverage,

sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on levels and trends of the two series are as follows.

### Employment

*Coverage.* The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers) self-employed persons, unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises, and members of the Armed Forces stationed in the United States. Civilian 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 civilians 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 disputes, 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 workers' 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 Economics and Statistics Service 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. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in this BLS establishment statistics.

# 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

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 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 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 the members of the Armed Forces stationed in the United States, who are included as part of the categories "noninstitutional population," "labor force," and "total employment," are 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.

## CONCEPTS AND DEFINITIONS

The concepts and definitions underlying labor force data have been modified, but not substantially altered, since the inception of the survey in 1940; those used since 1967 are as follows:

*Employed persons* are (a) all civilians who, during the survey week, did any work at all as paid employees, in their own business, profession, or on their own 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 disputes, or personal reasons, whether they were paid for the time off or were seeking other jobs. Members of the Armed Forces stationed in the United States are also included in the employed total.

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 who are temporarily in the United States but not living on the premises of an embassy. Excluded are persons whose only activity consisted of work around the house (painting, repairing, or own home housework) or volunteer work for religious, charitable, and similar organizations.

*Unemployed persons* are all civilians who had no employment during the survey week, were available for work, except for temporary illness, and (a) had made specific efforts to find employment sometime during the prior 4 weeks, or (b) were waiting to be recalled to a job from which they had been laid off, or (c) were waiting to report to a new 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.

Unemployment is also categorized according to the status of individuals at the time they began to look for work. The 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. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

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 those 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 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 labor pickup point.

The *civilian labor force* comprises all civilians classified as employed or unemployed in accordance with the criteria described above. The "labor force" also includes members of the Armed Forces stationed in the United States.

The *overall unemployment rate* represents the number unemployed as a percent of the labor force, including members of the Armed Forces stationed in the United States.

The *unemployment rate for all civilian workers* 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, race, ethnic origin, marital status, etc.

*Participation rates* represent the proportion of the population that is in the labor force. The *labor force participation rate*, is the ratio of the labor force, including the resident Armed Forces, to the noninstitutional population. The *civilian labor force participation rate* is the ratio of the civilian labor force to the civilian noninstitutional population. Civilian labor force 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 noninstitutional population that is employed. The *total employment-population ratio* is total employment, including the resident Armed Forces, as a percent of the noninstitutional population. The *civilian employment-population ratio* is the percentage of all employed civilians in the civilian noninstitutional population.

*Not in the labor force* includes all persons 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, retired, and other. The "other" group includes individuals reported as too old or temporarily unable to work, the voluntarily idle, seasonal workers for whom the survey week fell in an off season and who were not reported as looking for work, and persons who did not look for work because they believed that no jobs were available in the area or that no jobs were available for which they could qualify—discouraged workers. Persons doing only incidental, unpaid family work (less than 15 hours in the specified week) are also classified as not in labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work, desire for a job at the time of interview, and reasons for not looking for work are published 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 these questions were asked in those households entering the sample for the first time and those returning for the second 4 months of interviewing, 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 job lasting 2 weeks or more. The classifications of occupations and industries used in data derived from the CPS are defined as in the 1980 census. 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, persons who normally work 40 hours a week but were off on the Columbus Day holiday would be reported as working 32 hours even though they were 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; 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. 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 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 that: (1) Unemployed persons looking for full-time work lost an average of 37.5 hours, (2) 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) persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

*White, black, and other* are terms used to describe the race of workers. Included in the "other" group are American Indians, Alaskan Natives, and Asians and Pacific Islanders. All tables in this publication which contain racial data, with the exception of A-4 and its annual counterpart, present data for the black population group. Because of their relatively small sample size, data for "other" races are not published. In the enumeration process, race is determined by the household respondent.

*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. Persons of Hispanic origin may be of any race; thus they are included in both the white and black population groups.

*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. These statistics are published in table A-6 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. Data are limited to men in the civilian noninstitutional population; i.e., veterans in institutions and women are excluded. Nonveterans are men who never served in the Armed Forces.

The *poverty areas* classification consists of all census geographic divisions in which 20 percent or more of the residents were poor according to the 1970 decennial census. Persons were classified as poor or not poor by using income thresholds adopted by a Federal interagency committee in 1969. These thresholds vary by family size, composition, and residence, (farm-nonfarm). While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas, and, conversely, the areas include many people who are not poor.

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

*Usual weekly earnings* data are provided from responses to the question "How much does...USUAL-LY earn per week at this job before deductions?" Included are any overtime pay, commissions, or tips usually received. 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. Data refer to wage and salary workers and the incorporated self-employed, who usually work full time on their sole or primary job.

*Single, never married; married, spouse present; and other marital status* are terms used to define the marital status of individuals at the time of interview. Married, spouse present, applies to husband and wife if both were reported as members of the same household even

though one may be temporarily absent on business, vacation, on a visit, in a hospital, etc. Other marital status applies to persons who are married, spouse absent; widowed; or divorced. Married, spouse absent, includes persons who are separated because of marital discord, as well as persons who are living apart because either the husband or the wife was employed and living away from home, serving in the Armed Forces, or had a different place of residence for any reason.

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 is 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 relates 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 count of families used in this publication includes primary families only, that is, all persons in the household who are related to the householder. Excluded are secondary families which include lodgers, guests, or resident employees living in a household but not related to the householder. Families are classified either as married-couple families or as families maintained by women or men without spouses. A family maintained by a woman or a man is one in which the householder is either single, widowed, divorced, or married, spouse absent. 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.

## HISTORICAL COMPARABILITY

### Change in lower age limit

The lower age limit for official statistics on the labor force, employment, and unemployment was raised from 14 to 16 years of age in January 1967. Insofar as possible, historical series have been revised to provide consistent information based on the population 16 years and over. For a detailed discussion of this and other definitional changes introduced at that time, including estimates of their effect on the various series, see "New Definitions for Employment and Unemployment," *Employment and Earnings and Monthly Report on the Labor Force*, February 1967.

### Noncomparability of labor force levels

In addition to the changes introduced in 1967, there are several other periods of noncomparability in the labor force data: (1) Beginning in 1953, as a result of introducing data from the 1950 census into the estimating procedures, population levels were raised by about 600,000; labor force, total employment, and agricultural employment were increased by about 350,000, primarily affecting the figures for totals and men; 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 increase was in nonagricultural employment; other labor force categories were not appreciably affected. (3) Beginning in 1962, the introduction of data from the 1960 census reduced the population by about 50,000 and labor force and employment by about 200,000; unemployment totals were virtually unchanged. (4) Beginning in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by 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. (5) A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment, which affected the white and black-and-other groups but had little effect on totals, 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.

In addition, 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 estimates had its greatest impact on estimates of 20- to 24-year-old men—particularly those of the black-and-other population—but had little effect on estimates of the total population 16 years and over. 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 in 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 men and 46,000 women. 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 January 1978, the introduction of an expansion in the sample and revisions in the estimation procedures resulted in an increase of about 250,000 in the 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 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 January 1979, the first-stage ratio estimation method was changed in the CPS estimation procedure. Differences between the old and new procedures exist only for metropolitan and nonmetropolitan area estimates, not for the total United States. 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*.

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 Beginning 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 for 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 cited 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.

Beginning in January 1983, the first-stage ratio adjustment methodology was updated to account for

results obtained from the 1980 census. 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 Beginning in January 1983" in the February 1983 issue of *Employment and Earnings*. There are only slight differences between the old and new procedures in estimates of level for the various labor force characteristics and virtually no differences in estimates of participation rates.

### **Changes in the occupational and industrial classification system.**

Beginning in 1971, the comparability of occupational employment data was affected as a result of changes in the occupational classification system for the 1970 census that were introduced into the CPS. Comparability was further affected in December 1971, when a question relating to major activity or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. As a result of these changes, meaningful comparisons of occupational employment levels could not be made between 1971-72 and prior years nor between those 2 years. Unemployment rates were not significantly affected. For a further explanation of the changes in the occupational classification system, see "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*.

Beginning in January 1983, the occupational and industrial classification systems used in the 1980 census were introduced into the CPS. These systems differ from those developed for the 1970 census which were used in the CPS from January 1971 through December 1982.

The 1980 census occupational classification system evolved from the Standard Occupational Classification system (SOC). While the CPS occupational data are now comparable with other data sources, the new system is so radically different in concepts and nomenclature from the 1970 system that comparisons of historical data are not possible without major adjustments. For example, the 1980 major group "sales occupations" is substantially larger than the 1970 category "sales workers". Major additions include "cashiers" from "clerical workers" and some self-employed proprietors in retail trade establishments from "managers and administrators, except farm."

The industrial classification used in the 1980 census is based on the 1972 Standard Industrial Classification system (SIC), as modified in 1977. The adoption of the new system had much less of an adverse effect on historical comparability than did the new occupational



system. The most notable changes from the 1970 system were the transfer of farm equipment stores from "retail" to "wholesale" trade, postal service from "public administration" to "transportation", and some interchange between "professional and related services" and "public administration."

Additional information on the 1980 census occupational and industrial classification systems appears in "Revisions in the Current Population Survey Beginning in January 1983" in the February 1983 issue of *Employment and Earnings*.

### Changes in the 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, the number of sample areas and the number of sample persons are increased occasionally. In 1953, the current rotation plan was introduced in which a sample unit is interviewed for 4 months, leaves the sample for 8 months, and then returns to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added 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 into the design. A coverage improvement sample, composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units, was included

in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction 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. Beginning in January 1982, the sample was expanded by 100 households to provide additional 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. A more detailed account of the history of the CPS sample design appears in *The Current Population Survey: Design and Methodology*, Technical Paper No. 40, Bureau of the Census, or *Concepts and Methods Used in Labor Force Statistics Derived From the Current Population Survey*, Report 463 Bureau of Labor Statistics.

### 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 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

Table A. Characteristics of the CPS sample, 1947 to date

Time period	Number of sample areas	Households eligible		Households visited but 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	57,800	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.



respondents 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 residential categories. For sample areas which are Standard Metropolitan Statistical Areas, (SMSA's), these residence categories are the central cities, 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. Effective with January 1983 data, 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 race only. Prior to January 1983, the State adjustment was also done by urban-rural status. At both the regional and the State levels, the race-residence categories were changed from white/nonwhite to black/nonblack. The residence categories at the State level of the estimation procedure were dropped because definitional differences between the 1970 census and the 1980 census made it impossible to continue using the same categories.

b. *Second-stage ratio estimate.* In this stage, the sample proportions of persons in specific categories are adjusted to the distribution of independent current

estimates of the civilian noninstitutional population in the same categories. The second-stage ratio adjustment which is performed to further reduce variability of the estimates and to correct to some extent for CPS undercoverage relative to the decennial census, 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 is applied to all sample persons and is a weighting to nationwide independent population estimates within 68 age-sex-race groups. The entire second-stage adjustment procedure is iterated six times, each time beginning at the weights developed the previous time. This ensures that the sample estimates of the population for both State and national age-sex-race categories will be virtually equal to the independent population control totals. This second-stage adjustment procedure incorporates changes instituted in January 1982. The nature and effect of these changes are discussed in detail in "Revisions in the 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. A description 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 tabulations 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 is derived by subtracting the Armed Forces and the institutional population for the estimate date from the total 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 control totals are then obtained by collapsing these cells into broader age groups for the population 16 years and older.

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

### **Rounding of estimates**

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Similarly, sums of percent distributions may not always equal 100 percent because of rounding. 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 error.* 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 repre-

sent 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 "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. Compared to the level of the decennial census, undercoverage is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for men than for women, 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 "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 Current Population Survey: An Overview," by Marvin Thompson and Gary Shapiro, *Annals of Economic and Social Measurement*, Vol. 2, April 1973; and in *The Current Population Survey, Design and Methodology*, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce. This last document includes a comprehensive and up-to-date discussion of various sources of error, and describes attempts to measure them in the CPS.

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

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.
2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average of all possible samples.
3. Approximately 95 percent of the intervals from 2 standard errors below the estimate to 2 standard errors above the estimate would include the average result of all possible samples.

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

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

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

level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between 2 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 for levels, labor force participation rates, and percentages as pertaining to the 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

**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)
<b>Total, 16 years and over:</b>		
Civilian labor force .....	255	195
Employed .....	277	209
Unemployed .....	155	146
<b>Men, 20 years and over:</b>		
Civilian labor force .....	151	130
Employed .....	170	150
Unemployed .....	112	105
<b>Women, 20 years and over:</b>		
Civilian labor force .....	177	128
Employed .....	179	135
Unemployed .....	93	92
<b>Both sexes, 16 to 19 years:</b>		
Civilian labor force .....	81	86
Employed .....	86	97
Unemployed .....	67	71
<b>Black, 16 years and over:</b>		
Civilian labor force .....	61	49
Employed .....	87	66
Unemployed .....	75	75
<b>Men, 20 years and over:</b>		
Civilian labor force .....	23	17
Employed .....	49	43
Unemployed .....	53	56
<b>Women, 20 years and over:</b>		
Civilian labor force .....	60	38
Employed .....	63	46
Unemployed .....	48	51
<b>Both sexes, 16 to 19 years:</b>		
Civilian labor force .....	33	36
Employed .....	30	35
Unemployed .....	34	34

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

Characteristic	Standard error of—		Characteristic	Standard error of—	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers) .....	0.14	0.13			
Men, 20 years and over .....	.19	.18			
Women, 20 years and over .....	.21	.21			
Both sexes, 16 to 19 years .....	.75	.80			
White workers .....	.15	.14			
Black workers .....	.57	.52			
Married men, spouse present .....	.19	.17			
Married women, spouse present .....	.22	.21			
Full-time workers .....	.15	.15			
Part-time workers .....	.37	.46			
Unemployed 15 weeks and over .....	.09	.08			
OCCUPATION			OCCUPATION—Continued		
Executive, administrative, and managerial ..	.28	.27	Machine operators, assemblers and inspectors .....	0.61	0.60
Professional specialty .....	.23	.22	Transportation and material moving .....	.74	.72
Technicians and related support .....	.56	.58	Handlers, equipment cleaners helpers, and laborers .....	.80	.78
Sales .....	.33	.33	Farming, forestry, and fishing .....	.72	.67
Administrative support, including clerical .....	.29	.29	INDUSTRY		
Private household .....	1.10	1.02	Nonagricultural private wage and salary workers .....	.16	.16
Protective service .....	.89	.93	Mining .....	1.67	1.69
Service, except private household and protective .....	.44	.43	Construction .....	.81	.81
Precision production, craft, and repair .....	.41	.40	Manufacturing .....	.35	.34
			Durable goods .....	.48	.47
			Nonurable goods .....	.49	.49
			Transportation, communications, and public utilities .....	.52	.51
			Wholesale and retail trade .....	.31	.31
			Finance and services .....	.24	.24
			Government workers .....	.25	.25
			Agricultural wage and salary workers .....	1.32	1.22

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 159,000. The 68-percent confidence interval as shown by these data is from 11,841,000 to 12,159,000. 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 118,000.

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

*Illustration.* Assume that in a given month 3.6 percent of a total of 90,771,000 employed persons are employed in agriculture. The standard error on an estimate of 3.6 percent with a base of 90,771,000 is obtained from table H (0.09 percent). 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.* Suppose that one is interested in the year-to-year change of a monthly unemployment rate. 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 tables F (0.12 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  $0.12 \times 1.40 = 0.17$  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 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	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white men only, or women only	Black men only, or women only	Total or white	Black
50 .....	14	11	11	11	11	10	10	10	11
100 .....	19	15	15	15	15	14	14	15	16
500 .....	43	34	34	33	29	32	31	33	35
1,000 .....	61	48	47	46	33	45	42	47	49
2,000 .....	85	68	64	63	-	63	55	66	67
4,000 .....	120	95	84	80	-	87	66	93	68
6,000 .....	146	116	94	86	-	105	58	113	99
8,000 .....	-	133	97	83	-	120	23	129	-
10,000 .....	-	147	94	70	-	132	-	143	-
15,000 .....	-	177	50	-	-	155	-	172	-
20,000 .....	-	201	-	-	-	170	-	195	-
30,000 .....	-	236	-	-	-	188	-	-	-
40,000 .....	-	261	-	-	-	189	-	-	-
50,000 .....	-	278	-	-	-	175	-	-	-
60,000 .....	-	288	-	-	-	141	-	-	-
70,000 .....	-	293	-	-	-	61	-	-	-
80,000 .....	-	293	-	-	-	-	-	-	-
100,000 .....	-	273	-	-	-	-	-	-	-
120,000 .....	-	231	-	-	-	-	-	-	-

<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	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white	Both sexes 16 to 19 years, or part-time labor force <sup>2</sup>	Black	Black, 16 to 19 years
50 .....	8	8	13	13	12	13	12	12
100 .....	11	11	18	18	16	18	17	18
500 .....	25	25	39	34	37	40	38	35
1,000 .....	36	35	54	36	51	54	52	37
2,000 .....	50	47	72	-	72	70	69	-
4,000 .....	70	62	88	-	99	78	85	-
6,000 .....	86	70	88	-	118	60	87	-
8,000 .....	98	73	71	-	132	-	-	-
10,000 .....	109	71	-	-	143	-	-	-
15,000 .....	131	42	-	-	160	-	-	-
20,000 .....	148	-	-	-	165	-	-	-
30,000 .....	174	-	-	-	-	-	-	-
40,000 .....	191	-	-	-	-	-	-	-
50,000 .....	203	-	-	-	-	-	-	-
60,000 .....	210	-	-	-	-	-	-	-
70,000 .....	212	-	-	-	-	-	-	-
80,000 .....	211	-	-	-	-	-	-	-
100,000 .....	193	-	-	-	-	-	-	-
120,000 .....	153	-	-	-	-	-	-	-

<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 .....	2.09	2.94	4.57	6.28	7.46	8.34	9.01	9.05	9.87	10.21
100 .....	1.48	2.08	3.23	4.44	5.28	5.90	6.37	6.73	6.98	7.22
500 .....	.66	.93	1.45	1.99	2.36	2.64	2.85	3.01	3.12	3.27
1,000 .....	.47	.66	1.02	1.40	1.67	1.87	2.01	2.13	2.21	2.28
2,000 .....	.33	.46	.72	.99	1.18	1.32	1.42	1.50	1.56	1.61
4,000 .....	.23	.33	.51	.70	.83	.93	1.01	1.06	1.10	1.14
6,000 .....	.19	.27	.42	.57	.68	.76	.82	.87	.90	.93
10,000 .....	.15	.21	.32	.44	.53	.59	.64	.67	.70	.72
20,000 .....	.10	.15	.23	.31	.37	.42	.45	.47	.49	.51
60,000 .....	.06	.08	.13	.18	.21	.24	.26	.27	.27	.29
100,000 .....	.05	.07	.10	.14	.17	.19	.20	.21	.22	.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	5.14	7.18	8.69	9.90	10.93	11.81	12.58	14.48
100 .....	1.64	2.32	3.64	5.08	6.14	7.00	7.12	8.35	8.89	10.17
500 .....	.73	1.04	1.63	2.27	2.74	3.13	3.45	3.73	3.97	4.53
1,000 .....	.52	.73	1.15	1.60	1.94	2.21	2.44	2.83	2.80	3.19
2,000 .....	.37	.52	.81	1.13	1.37	1.56	1.72	1.85	1.97	2.24
4,000 .....	.26	.37	.57	.80	.96	1.10	1.20	1.30	1.38	1.56
6,000 .....	.21	.30	.47	.65	.78	.89	.98	1.05	1.11	-
10,000 .....	.16	.23	.36	.50	.60	.68	.75	.80	-	-
20,000 .....	.12	.16	.25	.35	.42	.47	.51	.54	-	-
60,000 .....	.07	.09	.14	.19	.22	.23	.24	-	-	-
100,000 .....	.05	.07	.11	.14	.15	.15	-	-	-	-

**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 .....	2.14	3.01	4.69	6.46	7.68	8.61	9.32	9.86	10.27	10.76
100 .....	1.51	2.13	3.32	4.57	5.43	6.09	6.59	6.97	7.26	7.61
500 .....	.66	.95	1.48	2.04	2.43	2.72	2.95	3.12	3.25	3.40
1,000 .....	.48	.67	1.05	1.44	1.72	1.92	2.08	2.21	2.30	2.41
2,000 .....	.34	.48	.74	1.02	1.22	1.36	1.47	1.56	1.62	1.70
4,000 .....	.24	.34	.52	.72	.86	.96	1.04	1.10	1.15	1.20
6,000 .....	.20	.28	.43	.59	.70	.79	.85	.90	.94	.98
10,000 .....	.15	.21	.33	.46	.54	.61	.66	.70	.73	.76
20,000 .....	.11	.15	.23	.32	.38	.43	.47	.49	.51	.54
40,000 .....	.08	.11	.17	.23	.27	.30	.33	.35	.36	.38
60,000 .....	.06	.09	.14	.19	.22	.25	.27	.26	.30	.31
60,000 .....	.05	.08	.12	.16	.19	.22	.23	.25	.26	.27
100,000 .....	.05	.07	.10	.14	.17	.19	.21	.22	.23	.24
160,000 .....	.04	.05	.08	.11	.13	.15	.16	.17	.18	.19

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

(In thousands)

Estimated quarterly level	Characteristic								
	Total			Men				Women	
	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 the 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), recordkeeping, 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 are 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 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 adjustments 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 level 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 employ-

ment over the specified time span. The indexes are calculated from 186 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in “Introduction of Diffusion Indexes,” in the December 1974 issue of *Employment and Earnings*.

## ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the establishment statistics are (1) the use of the “link relative” technique which is a form of ratio estimation; (2) periodic adjustment of employment levels to new benchmarks; and (3) the use of size and regional stratification.

### The “link relative” technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current month employment to that of the previous month is computed. This is called a “link relative.” The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these “link relatives.” In addition, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. Other features of the general procedures are described in table L.

### Size and regional stratification

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

### Benchmark adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide “benchmarks” for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1982 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

**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.

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 1982 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,

**Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1982**

Industry division	Benchmark, March 1982	Estimate, March 1982	Percent difference
Total .....	89,566,000	89,679,000	0.1
Mining .....	1,205,000	1,178,000	2.2
Construction .....	3,638,000	3,631,000	.2
Manufacturing .....	19,213,000	19,207,000	( <sup>1</sup> )
Transportation and public utilities .....	5,070,000	5,049,000	.4
Wholesale and retail trade .....	20,062,000	20,306,000	-1.2
Finance, insurance, and real estate .....	5,294,000	5,304,000	-.2
Services .....	18,888,000	18,828,000	.3
Government .....	16,196,000	16,176,000	.1

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

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

In the context of the BLS employment 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

**Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1982<sup>1</sup>**

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total .....	189,000	36,371,200	41
Mining .....	2,600	434,500	36
Construction .....	18,600	721,800	20
Manufacturing .....	47,700	10,612,300	55
Transportation and public utilities:			
Railroad transportation (ICC) .....	37	401,800	92
Other transportation and public utilities .....	8,500	2,840,800	61
Wholesale and retail trade .....	45,900	3,511,300	18
Finance, insurance, and real estate .....	13,100	1,967,100	37
Services .....	31,600	4,150,600	22
Government:			
Federal <sup>2</sup> .....	5,000	2,725,000	100
State and local .....	16,000	9,006,000	67

<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 5,000 reports covering about 63 percent of employment in Federal establishments.

response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table O presents the average percent revisions of the five most recent benchmarks 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-

**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 .....	0.4	-	-
Total private .....	.4	0.1	0.2
Mining .....	1.4	1.0	1.3
Construction .....	1.9	.2	.5
Manufacturing .....	.3	.1	.2
Durable goods .....	.3	.1	.3
Nondurable goods .....	.4	.1	.2
Transportation and public utilities .....	.4	.7	.6
Trade .....	.8	.1	.3
Wholesale .....	.4	.2	.4
Retail .....	1.0	.2	.4
Finance, insurance, and real estate .....	.4	.2	.4
Services .....	.6	.4	.6
Government <sup>3</sup> .....	.5	-	-

<sup>1</sup> The average percent revision in employment for the following benchmarks: 1978, 1979, 1980, 1981, and 1982.

<sup>2</sup> Relative errors relate to 1982 data.

<sup>3</sup> Estimates for government are based on a total count for Federal Government and, prior to the March 1979 revision, samples for State and local government benchmarked to a quinquennial census of government conducted by the Bureau of the Census.

square error (RMSE). The measure is the standard deviation adjusted for the bias in estimates:

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

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

Approximations of the root-mean-square errors (based on the most recent benchmark revisions) of differences between final estimates and benchmarks are presented in table 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	2.2	4.0
100,000 .....	3,900	1.3	2.3
200,000 .....	5,600	1.1	2.0
500,000 .....	14,000	.9	1.6
1,000,000 .....	15,000	.8	1.2
2,000,000 .....	26,000	.5	.9

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

<sup>2</sup> Relative errors relate to 1982 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. 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

**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 .....	101,000	88,000
Goods producing .....	42,000	36,000
Mining .....	5,000	5,000
Construction .....	22,000	18,000
Manufacturing .....	33,000	29,000
Durable two-digit industries .....	6,300	5,900
Nondurable two-digit industries .....	4,500	4,500
Service-producing .....	77,000	72,000
Transportation and public utilities .....	14,000	15,000
Wholesale and retail trade .....	31,000	28,000
Finance, insurance, and real estate .....	8,000	7,000
Services .....	30,000	24,000
Government .....	61,000	53,000

NOTE: Division level data are based on differences from January 1977 through December 1982. Two-digit industry data are based on differences from January 1982 through December 1982.

each cooperating State agency are presented in a summary volume published annual 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 all persons measure changes in the volume of goods and services produced per paid hour of labor input.

*Compensation per hour* includes wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. The data also include an estimate of wages, salaries, and supplementary payments for the self-employed, except for nonfinancial corporations, in which there are no self-employed.

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

*Unit labor costs* measure the labor compensation cost required to produce one unit of output and are derived by dividing compensation per hour by output per hour. *Unit nonlabor payments* includes 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 business sector and the nonfarm business sector, these indexes relate to the gross domestic product less household and institutions, owner-occupied hous-



ing, and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the gross domestic product of nonfinancial corporate business.

Manufacturing 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 Job Training and Partnership Act and the Public Works and Economic Development Act.

### ESTIMATING METHODS

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

Monthly labor force and unemployment estimates in the remaining 40 States, District of Columbia, and 239 labor market areas are prepared in several stages. Labor force is the sum of the employment and unemployment levels, which are estimated in accordance with the BLS *Manual for Developing Local Area Unemployment Statistics*.

1. *Preliminary estimate—employment:* The total employment estimate is based 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 several categories of employment 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, to which are added estimates for employment not covered by UI.

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 person 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 noncovered 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 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 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 and the District of Columbia 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 the 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 the statistics from month to month. These adjustments make it easier to observe the cyclical and other nonseasonal movements in the series. In evaluating changes in a seasonally adjusted series, it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors but are also affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment-based data are published regularly in *Employment and Earnings*.

The seasonal adjustment program used for these series is an adaptation of the standard ratio-to-moving average method. It provides for "moving" adjustment

factors to take account of changing seasonal patterns. A detailed description of the method is given in *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, BLS introduced two major modifications in the seasonal adjustment methodology for data from the household survey. First, the data are being seasonally adjusted with a new procedure called X-11 ARIMA, which was developed at Statistics Canada as an extension of the existing standard X-11 method. A detailed description of the procedure appears in *The X-11 ARIMA Seasonal Adjustment Method*, by Estela Bee Dagum, Statistics Canada Catalogue NO. 12-564E, February 1980. The X-11 procedure was originally developed at the Bureau of the Census and had been used by the BLS to seasonally adjusted labor force series since 1973. Tests have shown that use of the X-11 ARIMA procedure, which places more emphasis on recent data, provides better seasonal adjustments than does the X-11 method alone.

The second change is that seasonal factors are now calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, BLS calculates and publishes in *Employment and Earnings* a

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 are made 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 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 (men and women under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. The seasonally adjusted figure for the labor force is the sum of eight seasonally adjusted civilian employment components, plus the resident Armed Forces total (not adjusted for seasonality), and four seasonally adjusted unemployment components; the total for unemployment is the sum of the four unemployment components; and the overall unemployment rate is derived by dividing the resulting estimate of total unemployment by the estimate of the labor force. Because of the independent seasonal adjustment of various series, components will not necessarily add to totals.

Revised seasonally adjusted data for selected labor force series based on the experience through December 1982, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1983, and a description of the current seasonal adjustment methodology are published in the January 1983 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the 1978-82 revision period for a broad range of labor force series appear in the February 1983 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from 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 1983. 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 nonsupervisory workers, seasonally adjusted, and dividing by the 1977 base. For total private, total goods-producing, total private service-producing, trade, manufacturing, and durable and nondurable goods industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1977 base.

Seasonally adjusted data are not published for a number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. These failed or unsatisfactory seasonally adjusted series are used in the aggregation to broader level seasonally adjusted series.

Prior to June 1983, seasonal factors for Federal Government employment were derived from unadjusted data which excluded Christmas temporary workers employed by the Postal Service. In earlier years the number of these workers were substantial, and at times varied greatly from year to year, based on administrative decisions of the Postal Service. Hence, it was considered desirable to exclude this group from the unadjusted data upon which the seasonal factors were based. In the past several years, the number of these workers have decreased to the point where their presence has no impact on seasonal adjustment. Beginning with the release of revised seasonal factors in June 1983, Christmas temporary Postal workers are not excluded from the calculation of seasonal factors for Federal Government employees. This change affects the seasonally adjusted Federal Government series from January 1978 forward. Temporary census takers for the 1980 decennial census will continue to be removed prior to the calculation of seasonal factors for Federal Government employment. The revised seasonally adjusted series for the establishment data reflect experience through March 1983. Seasonal factors to be used for current adjustment appear in the June 1983 issue of *Employment and Earnings*.

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