

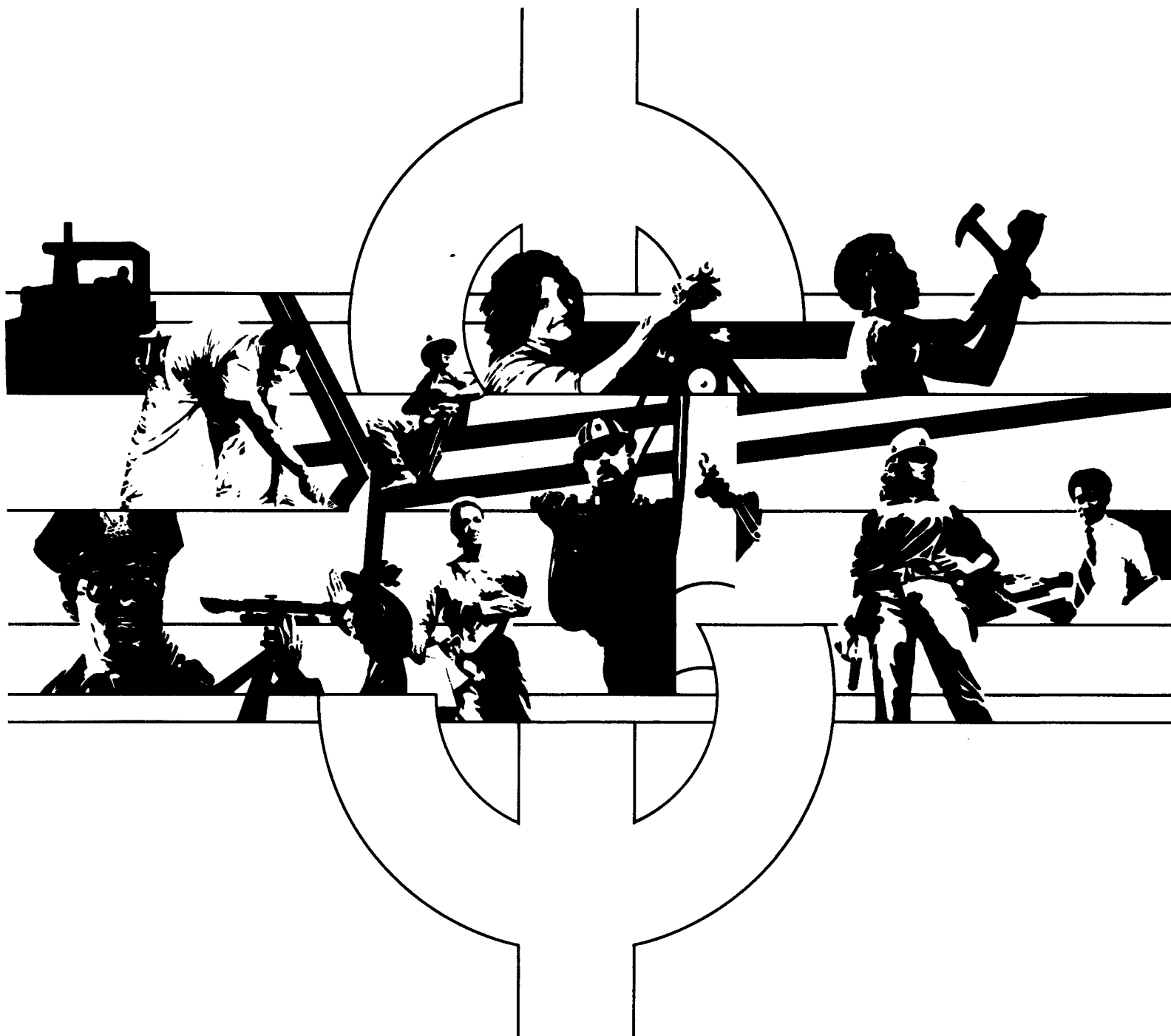
# Employment and Earnings

## January 1982



U.S. Department of Labor  
Bureau of Labor Statistics

In this issue:  
1981 annual averages





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

**BUREAU OF LABOR STATISTICS**  
Janet L. Norwood, Commissioner

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Communications on editorial matters should be addressed to: Editors, Employment and Earnings, Bureau of Labor Statistics, Washington, D.C. 20212. Inquiries regarding the text and *Household Data* should be addressed to: Attention of Gloria P. Green, or phone: (202) 523-1944. Inquiries relating to *Establishment Data* and all other tables should be addressed to: Attention of Gloria P. Goings, or phone: (202) 523-1487. Send correspondence on circulation and subscription matters (including address changes) to the Superintendent of Documents.

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## Calendar of Features

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

### Household data

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

### Establishment data

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

### State and area unemployment data

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

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

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

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

# Employment and Earnings

Vol. 29 No. 1 January 1982

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

## Editors' Note

After release of final December 1981 data in the March 1982 issue of *Employment and Earnings*, BLS will discontinue computation and publication of the spendable earnings series published in table C-4, and the labor turnover data published in tables D-1 through D-3. State and area labor turnover data published in table D-4 will be discontinued after publication of November 1981 preliminary data in the February issue.

The spendable earnings series has become unrepresentative of the actual earnings situation of workers. An article by Paul O. Flaim in the January 1982 issue of the *Monthly Labor Review* entitled "The Spendable Earnings Series: Has it Outlived its Usefulness?" explains the problems with the series. The decision to discontinue this series is in accord with the recommendations of the National Commission on Employment and Unemployment Statistics and the response of the Secretary of Labor to those recommendations issued in October 1981. The Bureau will continue to publish the real earnings series on a monthly basis.

The labor turnover survey is being discontinued because of budget reductions.

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# Employment and Unemployment Developments, December 1981

Unemployment rose sharply in December and employment continued to decline. The jobless rate increased from 8.4 percent in November to 8.9 percent in December; it had been 7.0 percent in July and 8.0 percent in October.

Total employment—as measured by the monthly survey of households—fell in December to 97.2 million. Since July, employment has declined by 1.8 million. Nonfarm payroll employment—as measured by the monthly survey of establishments—dropped by 295,000 in December, the third consecutive monthly decline.

## Unemployment

The Nation's unemployment rate rose 0.5 percentage point in December to 8.9 percent; since July, the rate has increased by nearly 2 full percentage points. The number of unemployed persons was close to 9.5 million, up 460,000 from November and 2.0 million since July. (See table A-33.)

Most of the December rise in unemployment took place among adult men, whose jobless rate rose from 7.2 to 8.0 percent, a post-World War II record high. Both white and black men shared in the increase. The rate for all white workers moved up to 7.8 percent and that for black and other workers edged up to 16.1 percent. Jobless rates for adult women (7.5 percent) and teenagers (21.7 percent) were little changed over the month. (See tables A-33 and A-35.)

A large increase in joblessness took place among workers in durable goods manufacturing, whose unemployment rate jumped from 9.4 percent in November to 11.8 percent in December. Accordingly, the rate rose markedly for blue-collar workers, up more than a point to 12.9 percent. Full-time workers also experienced a large over-the-month increase in joblessness. (See table A-36.)

Persons who lost their jobs as a result of layoff or permanent separation accounted for all of the December increase in unemployment. There was little change in the number of unemployed persons who voluntarily left their last job or entered the labor force in search of work. As is typical during economic downturns, job losers have comprised most of the rise in

unemployment since the beginning of the current slump this past summer. (See table A-39.)

Because of the large number of recent job losses, the over-the-month gain in unemployment took place among persons out of work for 3 months or less. Hence, the mean duration of unemployment declined by about half a week to 12.8 weeks in December, following a similar decline in November. (See table A-37.)

In addition to the sharp unemployment increase in December, the number of persons working part time for economic reasons rose 360,000 to a record 5.4 million. Most of this increase occurred among persons who usually work full time but experienced a curtailment in their workweek. (See table A-42.)

## Total employment and the labor force

Total employment fell by 840,000 in December to 97.2 million, contributing heavily to a 1.8 million decline since July. White men, women, and teenagers all posted sizeable declines both over the month and since July, while employment of black workers was little changed over these periods. Adult men accounted for 55 percent of the decline over the 5-month period. The employment-population ratio dropped for the seventh month in a row to 57.3 percent in December; this was the lowest percentage in over 4 years. (See tables A-33 and A-35.)

The civilian labor force declined by 380,000 in December, as the large employment drop exceeded the rise in unemployment. White women and teenagers were the only groups with a labor force decline. Over the year, however, the labor force was up by 1.5 million, with white women accounting for three-fourths of the growth.

## Discouraged workers

The number of discouraged workers rose by about 150,000 in the fourth quarter of 1981 to 1.2 million, the highest level recorded since the current series began in 1970. (Discouraged workers are persons who report that they want to work but are not looking for jobs because they believe they cannot find any.) Although most discouraged workers are women, men made up more than half of the over-the-quarter increase. More than 70

percent of the discouraged attributed their situation to job-market factors, while the remainder cited personal factors. (See table A-53.)

### **Industry payroll employment**

The number of employees on nonagricultural payrolls fell by 295,000 to 91.2 million in December, the third consecutive month that the payroll job total has declined. December employment losses were widespread; as in both October and November, gains were registered in only one-third of the 172 industries in the BLS diffusion index of private nonfarm payroll employment. (See tables B-4 and B-7.)

Three-fourths of December's employment reduction occurred in manufacturing, with the bulk of the decline concentrated in durable goods. Transportation equipment, machinery, electrical equipment, primary metals, and fabricated metals posted sharp declines of roughly 30,000 each; since September, these five industries have posted declines totaling 440,000. There were smaller over-the-month decreases in all other durable goods industries except miscellaneous manufacturing. In the nondurable goods sector, an overall reduction of 50,000 jobs was dominated by cutbacks in apparel and rubber and plastics. Elsewhere in the goods-producing sector, construction employment, which has been trending downward since April, fell by 35,000. Mining employment was about unchanged in December; it had been growing since settlement of the coal miners' strike last spring.

In the service-producing sector, employment in retail trade dropped markedly for the second straight month, as pre-Christmas hiring was not as strong as is normally expected. The loss was partially offset by small job increases in services and government, the only two major industry divisions registering employment gains in December.

### **Hours of work**

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls was

34.9 hours in November, down 0.1 hour over the month. In manufacturing, the workweek dropped 0.2 hour to 39.1 hours, and factory overtime edged down 0.1 hour to 2.4 hours. (See table C-6.) Both the factory workweek and overtime have declined markedly since their 1981 peaks in May. Workweek reductions over this 7-month period were particularly sharp in the major metals and metal-using industries within durable goods, ranging from 1 to more than 2 hours.

Reflecting both the reduction in employment and the decreased workweek, the index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls dropped by 0.9 percent in December to 106.9 (1977 = 100). The factory index was down by 2.0 percent over the month. Since July, the overall index has decreased 2.3 percent, a decline largely attributable to a 7.4-percent drop in the manufacturing index over the same period. (See table C-7.)

### **Hourly and weekly earnings**

Average hourly earnings increased 0.1 percent over the month, while average weekly earnings declined 0.1 percent, seasonally adjusted. Before adjustment for seasonality, average hourly earnings edged down 1 cent in December to \$7.45, 51 cents above the year-earlier level. Average weekly earnings, at \$262.24, were up by \$1.14 over the month and \$15.18 over the year. (See tables C-1 and C-8.)

### **The Hourly Earnings Index**

The Hourly Earnings Index (HEI) was 143.3 (1977 = 100) in December, seasonally adjusted, 0.1 percent higher than in November. For the 12 months ended in December, the increase (before seasonal adjustment) was 8.1 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in overtime in manufacturing and interindustry employment shifts. In dollars of constant purchasing power, the HEI decreased 0.9 percent during the 12-month period ended in November. (See table C-8.)

### **Revisions to Household Data Series**

Effective with data for January 1982, population counts derived from the 1980 Decennial Census will be introduced into the estimation procedures used in the Current Population Survey. Data for 1981 will be revised based on the new census population estimates. Provisional adjustments in the major data series for 1980 back to 1970 will also be made and will be introduced with the release of January 1982 data. Reseasonal adjustment to take account of the experience through December 1981 will also take place effective with the release of labor force data for January 1982.

# HOUSEHOLD DATA HISTORICAL

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

(Numbers in thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>Annual averages</b>										
1947.....	103,418	60,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,611	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,708
1950.....	106,645	63,858	59.9	62,208	58,918	7,160	51,758	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093
1953 <sup>1</sup> .....	110,601	66,560	60.2	63,015	61,179	6,260	54,919	1,834	2.9	44,041
1954.....	111,671	66,993	60.0	63,643	60,109	6,205	53,904	3,532	5.5	44,678
1955.....	112,732	68,072	60.4	65,023	62,170	6,450	55,722	2,852	4.4	44,660
1956.....	113,811	69,409	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960
1960 <sup>1</sup> .....	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	48,312
1962.....	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,596	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	55,666
1972 <sup>1</sup> .....	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973 <sup>1</sup> .....	148,263	91,040	61.4	88,714	84,409	3,452	80,957	4,304	4.9	57,222
1974.....	150,827	93,240	61.8	91,011	85,935	3,492	82,443	5,076	5.6	57,587
1975.....	153,449	94,793	61.8	92,613	88,783	3,380	81,403	7,830	8.5	58,655
1976.....	156,048	96,917	62.1	94,773	87,485	3,297	84,188	7,288	7.7	59,130
1977.....	158,559	99,534	62.8	97,401	90,546	3,244	87,302	6,855	7.0	59,025
1978 <sup>1</sup> .....	161,058	102,537	63.7	100,420	94,373	3,342	91,031	6,047	6.0	58,521
1979.....	163,620	104,996	64.2	102,908	96,945	3,297	93,648	5,963	5.8	58,623
1980.....	166,246	106,821	64.3	104,719	97,270	3,310	93,960	7,448	7.1	59,425
1981.....	168,578	108,535	64.4	106,393	98,313	3,312	95,001	8,080	7.6	60,043
<b>Monthly data, seasonally adjusted<sup>2</sup></b>										
<b>1980:</b>										
December..	167,396	107,191	64.0	105,067	97,282	3,394	93,888	7,785	7.4	60,205
<b>1981:</b>										
January..	167,585	107,668	64.2	105,543	97,696	3,403	94,294	7,847	7.4	59,917
February..	167,747	107,802	64.3	105,681	97,927	3,281	94,646	7,754	7.3	59,946
March....	167,902	108,305	64.5	106,177	98,412	3,276	95,136	7,764	7.3	59,598
April....	168,071	108,851	64.8	106,722	98,976	3,463	95,513	7,746	7.3	59,219
May.....	168,272	109,533	65.1	107,406	99,235	3,353	95,882	8,171	7.6	58,739
June.....	168,480	108,307	64.3	106,176	98,392	3,265	95,127	7,784	7.3	60,173
July.....	168,685	108,603	64.4	106,464	98,962	3,258	95,704	7,502	7.0	60,082
August....	168,855	108,762	64.4	106,602	98,944	3,370	95,574	7,657	7.2	60,093
September..	169,049	108,401	64.1	106,236	98,270	3,310	94,959	7,966	7.5	60,648
October..	169,252	108,894	64.3	106,736	98,217	3,337	94,880	8,520	8.0	60,359
November..	169,435	109,187	64.4	107,029	98,025	3,363	94,662	9,004	8.4	60,248
December..	169,605	108,814	64.2	106,650	97,188	3,115	94,072	9,462	8.9	60,791

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

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

# HOUSEHOLD DATA HISTORICAL

## A-2. Employment status of the noninstitutional population 18 years and over by sex, 1972 to date

(Numbers in thousands)

Sex, year, and month	Total noninsti- tutional popula- tion	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of popula- tion	Total	Employed			Unemployed		
					Total	Agri- culture	Nonsag- ri- cultural indus- tries	Number	Percent of labor force	
<b>MALES</b>										
<b>Annual averages</b>										
1972 <sup>1</sup> .....	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973 <sup>1</sup> .....	71,020	56,479	79.5	54,203	51,963	2,833	49,130	2,240	4.1	14,541
1974 .....	72,253	57,349	79.4	55,186	52,518	2,900	49,618	2,668	4.8	14,904
1975 .....	73,494	57,706	78.5	55,615	51,230	2,801	48,429	4,385	7.9	15,788
1976 .....	74,739	58,397	78.1	56,359	52,391	2,716	49,675	3,968	7.0	16,341
1977 .....	75,981	59,467	78.3	57,449	53,861	2,639	51,222	3,588	6.2	16,514
1978 <sup>1</sup> .....	77,169	60,535	78.4	58,542	55,491	2,681	52,810	3,051	5.2	16,634
1979 .....	78,397	61,466	78.4	59,517	56,499	2,644	53,854	3,018	5.1	16,931
1980 .....	79,642	62,088	78.0	60,145	55,988	2,664	53,324	4,157	6.9	17,554
1981 .....	80,734	62,597	77.5	60,633	56,168	2,654	53,514	4,465	7.4	18,136
<b>Monthly data, seasonally adjusted<sup>2</sup></b>										
<b>1980:</b>										
December ..	80,183	62,213	77.6	60,254	55,920	2,651	53,269	4,334	7.2	17,970
<b>1981:</b>										
January ..	80,272	62,320	77.6	60,366	56,012	2,712	53,300	4,353	7.2	17,952
February ..	80,346	62,288	77.5	60,338	56,045	2,586	53,459	4,293	7.1	18,058
March .....	80,415	62,582	77.8	60,628	56,383	2,599	53,784	4,245	7.0	17,833
April .....	80,492	62,848	78.1	60,893	56,688	2,785	53,903	4,205	6.9	17,644
May .....	80,588	63,198	78.4	61,245	56,718	2,692	54,026	4,527	7.4	17,390
June .....	80,687	62,288	77.2	60,335	56,026	2,646	53,380	4,309	7.1	18,399
July .....	80,783	62,433	77.3	60,473	56,494	2,631	53,864	3,979	6.6	18,350
August .....	80,863	62,564	77.4	60,584	56,368	2,716	53,652	4,216	7.0	18,300
September ..	80,955	62,682	77.4	60,699	56,349	2,644	53,705	4,349	7.2	18,273
October .....	81,051	62,710	77.4	60,734	56,046	2,684	53,362	4,688	7.7	18,341
November ..	81,136	62,825	77.4	60,851	55,783	2,632	53,152	5,068	8.3	18,311
December ..	81,216	62,839	77.4	60,859	55,341	2,521	52,820	5,518	9.1	18,377
<b>FEMALES</b>										
<b>Annual averages</b>										
1972 <sup>1</sup> .....	75,911	33,320	43.9	33,277	31,072	633	30,439	2,205	6.6	42,591
1973 <sup>1</sup> .....	77,242	34,561	44.7	34,510	32,446	619	31,827	2,064	6.0	42,681
1974 .....	78,575	35,892	45.7	35,825	33,417	592	32,825	2,408	6.7	42,683
1975 .....	79,954	37,087	46.4	36,998	33,553	579	32,973	3,445	9.3	42,868
1976 .....	81,309	38,520	47.4	38,414	35,095	582	34,513	3,320	8.6	42,789
1977 .....	82,577	40,067	48.5	39,952	36,685	605	36,080	3,267	8.2	42,510
1978 <sup>1</sup> .....	83,890	42,002	50.1	41,878	38,882	661	38,221	2,996	7.2	41,887
1979 .....	85,223	43,531	51.1	43,391	40,446	652	39,794	2,945	6.8	41,692
1980 .....	86,604	44,733	51.7	44,574	41,283	646	40,637	3,291	7.4	41,871
1981 .....	87,844	45,937	52.3	45,760	42,145	657	41,487	3,615	7.9	41,907
<b>Monthly data, seasonally adjusted<sup>2</sup></b>										
<b>1980:</b>										
December ..	87,213	44,978	51.6	44,813	41,362	743	40,619	3,451	7.7	42,235
<b>1981:</b>										
January ..	87,313	45,349	51.9	45,178	41,684	691	40,993	3,493	7.7	41,964
February ..	87,402	45,513	52.1	45,343	41,882	695	41,187	3,461	7.6	41,888
March .....	87,487	45,723	52.3	45,549	42,029	677	41,352	3,519	7.7	41,764
April .....	87,578	46,003	52.5	45,829	42,288	678	41,610	3,541	7.7	41,575
May .....	87,684	46,335	52.8	46,161	42,517	661	41,856	3,644	7.9	41,349
June .....	87,793	46,020	52.4	45,842	42,366	619	41,747	3,475	7.6	41,774
July .....	87,901	46,170	52.5	45,991	42,467	627	41,840	3,524	7.7	41,732
August .....	87,991	46,198	52.5	46,018	42,577	654	41,922	3,441	7.5	41,793
September ..	88,094	45,719	51.9	45,537	41,920	666	41,254	3,617	7.9	42,375
October .....	88,201	46,183	52.4	46,002	42,171	653	41,518	3,831	8.3	42,018
November ..	88,299	46,362	52.3	46,178	42,241	731	41,510	3,936	8.5	41,937
December ..	88,389	45,976	52.0	45,791	41,847	595	41,252	3,944	8.6	42,413

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

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

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

[Numbers in thousands]

Sex, age, and race	December 1981										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>MALES</b>											
16 years and over	62,223	76.6	60,243	55,027	5,216	8.7	18,993	393	4,819	1,535	12,246
16 to 21 years	7,944	64.0	7,289	5,787	1,502	20.6	4,468	24	3,943	27	475
16 to 19 years	4,513	55.7	4,227	3,240	987	23.4	3,582	20	3,248	8	306
16 to 17 years	1,658	42.3	1,638	1,247	391	23.9	2,262	13	2,147	3	98
18 to 19 years	2,854	68.4	2,589	1,993	596	23.0	1,321	7	1,101	4	209
20 to 64 years	55,864	88.7	54,170	50,013	4,157	7.7	7,134	155	1,571	1,070	4,338
20 to 24 years	8,904	85.0	8,158	6,969	1,188	14.6	1,574	9	1,164	43	358
25 to 54 years	39,941	94.1	38,994	36,321	2,672	6.9	2,518	90	402	576	1,450
25 to 29 years	9,001	93.8	8,626	7,782	844	9.8	596	9	244	55	287
30 to 34 years	8,521	95.6	8,256	7,659	597	7.2	388	23	94	70	201
35 to 39 years	6,921	96.1	6,737	6,332	405	6.0	279	13	25	75	167
40 to 44 years	5,591	95.0	5,504	5,166	338	6.1	297	10	16	94	177
45 to 49 years	4,976	93.3	4,947	4,678	268	5.4	357	15	20	103	218
50 to 54 years	4,931	89.1	4,924	4,703	220	4.5	601	20	3	179	399
55 to 64 years	7,020	69.8	7,018	6,722	296	4.2	3,042	56	6	451	2,530
55 to 59 years	4,326	80.8	4,325	4,137	189	4.4	1,031	31	2	233	765
60 to 64 years	2,693	57.2	2,693	2,586	108	4.0	2,012	25	4	218	1,765
65 years and over	1,846	18.2	1,846	1,774	72	3.9	8,277	218	--	457	7,602
65 to 69 years	1,054	27.2	1,054	1,004	51	4.8	2,815	51	--	132	2,632
70 years and over	792	12.7	792	770	22	2.7	5,462	168	--	325	4,970
<b>White</b>											
16 years and over	55,144	77.5	53,622	49,480	4,142	7.7	16,044	319	3,844	1,228	10,652
16 to 21 years	6,916	66.1	6,417	5,232	1,185	18.5	3,542	13	3,157	23	348
16 to 19 years	3,994	58.8	3,770	2,960	809	21.5	2,796	9	2,559	9	220
16 to 17 years	1,517	46.4	1,500	1,176	324	21.6	1,749	5	1,675	3	66
18 to 19 years	2,477	70.3	2,270	1,785	485	21.4	1,047	4	884	5	154
20 to 64 years	49,467	89.5	48,169	44,892	3,277	6.8	5,830	132	1,285	857	3,555
20 to 24 years	7,686	85.9	7,136	6,263	873	12.2	1,267	9	974	31	253
25 to 54 years	35,387	94.9	34,640	32,493	2,148	6.2	1,900	74	308	444	1,074
25 to 29 years	15,404	95.6	14,915	13,774	1,141	7.6	716	25	262	88	341
30 to 34 years	11,138	96.2	10,913	10,303	610	5.6	437	19	27	132	259
35 to 44 years	8,845	92.2	8,813	8,416	397	4.5	747	28	20	224	474
55 to 64 years	6,394	70.6	6,392	6,136	256	4.0	2,664	50	2	383	2,229
55 to 59 years	3,928	81.6	3,927	3,763	163	4.2	884	27	2	206	649
60 to 64 years	2,466	58.1	2,466	2,373	93	3.8	1,780	23	1	176	1,580
65 years and over	1,683	18.5	1,683	1,628	55	3.2	7,417	178	--	362	6,877
<b>Black and other</b>											
16 years and over	7,079	70.6	6,621	5,547	1,075	16.2	2,950	74	975	307	1,594
16 to 21 years	1,028	52.6	873	556	317	36.3	926	11	786	3	127
16 to 19 years	519	39.8	457	279	178	38.9	786	11	689	--	87
16 to 17 years	142	21.7	138	71	67	48.5	513	8	473	--	32
18 to 19 years	377	58.0	319	208	111	34.7	273	3	216	--	55
20 to 64 years	6,397	83.1	6,001	5,121	879	14.6	1,304	23	286	213	782
20 to 24 years	1,218	79.9	1,022	707	315	30.8	307	1	189	12	105
25 to 54 years	4,552	88.0	4,353	3,829	525	12.1	619	16	94	133	376
25 to 29 years	2,117	88.8	1,967	1,667	300	15.3	268	6	76	37	148
30 to 34 years	1,374	90.8	1,328	1,195	133	10.0	140	3	14	37	85
35 to 44 years	1,062	83.4	1,057	966	91	8.6	211	7	3	58	143
55 to 64 years	626	62.3	626	586	40	6.4	378	5	3	68	302
55 to 59 years	399	73.2	399	373	25	6.4	146	4	--	26	116
60 to 64 years	227	49.5	227	213	14	6.3	232	2	3	42	186
65 years and over	163	16.0	163	146	18	10.7	860	40	--	95	725

# HOUSEHOLD DATA

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

(Numbers in thousands)

Sex, age, and race	December 1981										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>FEMALES</b>											
16 years and over .....	46,192	52.3	46,007	42,416	3,591	7.8	42,198	31,513	4,735	949	5,001
16 to 21 years .....	6,627	54.6	6,557	5,570	987	15.1	5,517	1,221	3,922	7	367
16 to 19 years .....	3,858	48.8	3,828	3,160	669	17.5	4,055	583	3,236	1	235
16 to 17 years .....	1,493	39.3	1,491	1,230	262	17.5	2,305	127	2,092	--	87
18 to 19 years .....	2,365	57.5	2,337	1,930	407	17.4	1,750	455	1,143	2	149
20 to 64 years .....	41,197	62.4	41,041	38,142	2,899	7.1	24,780	20,889	1,493	418	1,980
20 to 24 years .....	7,246	69.3	7,158	6,357	801	11.2	3,217	1,930	983	19	284
25 to 54 years .....	29,298	66.2	29,231	27,337	1,894	6.5	14,976	13,313	490	216	956
25 to 29 years .....	6,732	68.8	6,687	6,153	534	8.0	3,055	2,624	202	24	204
30 to 34 years .....	6,093	66.6	6,078	5,642	436	7.2	3,061	2,738	122	37	163
35 to 39 years .....	5,065	67.1	5,061	4,749	312	6.2	2,481	2,196	91	23	172
40 to 44 years .....	4,323	69.2	4,322	4,063	258	6.0	1,922	1,741	31	27	123
45 to 49 years .....	3,657	64.8	3,656	3,460	196	5.4	1,990	1,793	26	46	124
50 to 54 years .....	3,428	58.2	3,427	3,270	158	4.6	2,467	2,221	17	59	169
55 to 64 years .....	4,653	41.4	4,653	4,449	204	4.4	6,588	5,646	19	183	740
55 to 59 years .....	2,881	48.8	2,881	2,748	133	4.6	3,018	2,628	15	91	284
60 to 64 years .....	1,771	33.2	1,771	1,700	71	4.0	3,570	3,017	5	92	455
65 years and over .....	1,137	7.8	1,137	1,114	23	2.1	13,363	10,041	6	530	2,786
65 to 69 years .....	697	14.5	697	677	20	2.9	4,116	3,239	1	122	755
70 years and over .....	440	4.5	440	437	3	.8	9,247	6,802	5	408	2,031
<b>White</b>											
16 years and over .....	39,870	52.1	39,738	37,035	2,704	6.8	36,725	28,013	3,688	769	4,255
16 to 21 years .....	5,876	57.9	5,827	5,090	737	12.6	4,275	950	3,059	4	262
16 to 19 years .....	3,441	52.2	3,420	2,906	514	15.0	3,153	472	2,504	--	178
16 to 17 years .....	1,350	42.9	1,348	1,140	209	15.5	1,798	118	1,610	--	72
18 to 19 years .....	2,091	60.7	2,072	1,766	305	14.7	1,355	354	894	2	106
20 to 64 years .....	35,411	62.2	35,299	33,128	2,171	6.2	21,480	18,374	1,177	334	1,594
20 to 24 years .....	6,257	71.1	6,195	5,645	550	8.9	2,544	1,561	778	18	187
25 to 54 years .....	25,042	65.8	24,992	23,550	1,442	5.8	13,005	11,692	382	168	762
25 to 34 years .....	10,867	67.5	10,824	10,119	705	6.5	5,234	4,670	237	51	276
35 to 44 years .....	8,029	67.5	8,025	7,571	453	5.6	3,875	3,488	106	40	240
45 to 54 years .....	6,145	61.2	6,144	5,860	284	4.6	3,896	3,534	38	78	246
55 to 64 years .....	4,112	40.9	4,112	3,933	179	4.3	5,931	5,120	18	148	645
55 to 59 years .....	2,533	48.2	2,533	2,416	117	4.6	2,721	2,389	14	75	244
60 to 64 years .....	1,579	33.0	1,579	1,517	62	3.9	3,210	2,732	4	73	401
65 years and over .....	1,019	7.8	1,019	1,000	19	1.9	12,092	9,167	7	435	2,483
<b>Black and other</b>											
16 years and over .....	6,321	53.6	6,268	5,381	887	14.2	5,473	3,500	1,047	180	746
16 to 21 years .....	751	37.7	730	480	250	34.3	1,242	270	864	3	105
16 to 19 years .....	417	31.6	408	253	155	37.9	902	111	732	1	58
16 to 17 years .....	144	22.1	143	90	53	37.2	507	9	482	--	15
18 to 19 years .....	273	40.9	265	164	102	38.4	395	102	250	1	43
20 to 64 years .....	5,786	63.7	5,742	5,014	728	12.7	3,300	2,514	315	83	387
20 to 24 years .....	989	59.5	963	713	251	26.0	673	369	206	1	97
25 to 54 years .....	4,257	68.4	4,239	3,786	452	10.7	1,971	1,620	108	48	194
25 to 34 years .....	1,958	68.9	1,941	1,676	265	13.7	882	692	87	11	92
35 to 44 years .....	1,359	72.0	1,358	1,241	117	8.6	529	448	16	10	55
45 to 54 years .....	939	62.7	939	870	70	7.4	560	480	5	27	47
55 to 64 years .....	541	45.2	541	515	25	4.7	656	525	1	35	95
55 to 59 years .....	348	54.0	348	333	16	4.5	296	240	1	16	40
60 to 64 years .....	193	34.9	193	183	10	5.0	360	286	--	19	55
65 years and over .....	118	8.5	118	114	4	3.4	1,271	874	--	96	302

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981
<b>MALES</b>								
16 years and over	61,704	62,223	77.0	76.6	59,745	60,243	76.4	76.0
16 to 19 years	4,742	4,513	57.1	55.7	4,460	4,227	55.6	54.1
16 to 17 years	1,804	1,658	44.3	42.3	1,781	1,638	44.0	42.0
18 to 19 years	2,939	2,854	69.3	68.4	2,679	2,589	67.3	66.2
20 to 24 years	8,856	8,904	85.0	85.0	8,114	8,158	83.8	83.8
25 to 54 years	39,145	39,941	94.2	94.1	38,212	38,994	94.1	93.9
25 to 34 years	17,148	17,521	95.0	94.7	16,527	16,882	94.8	94.5
35 to 44 years	12,047	12,512	95.7	95.6	11,773	12,241	95.6	95.5
45 to 54 years	9,949	9,907	91.1	91.2	9,912	9,870	91.1	91.2
55 to 64 years	7,123	7,020	71.5	69.8	7,121	7,018	71.5	69.8
55 to 59 years	4,382	4,326	81.5	80.8	4,381	4,325	81.5	80.8
60 to 64 years	2,740	2,693	59.7	57.2	2,740	2,693	59.7	57.2
65 years and over	1,838	1,846	18.5	18.2	1,838	1,846	18.5	18.2
<b>White</b>								
16 years and over	54,752	55,144	77.8	77.5	53,234	53,622	77.3	77.0
16 to 19 years	4,182	3,994	59.8	58.8	3,966	3,770	58.5	57.4
16 to 17 years	1,626	1,517	47.7	46.4	1,608	1,500	47.5	46.2
18 to 19 years	2,556	2,477	71.2	70.3	2,358	2,270	69.5	68.4
20 to 24 years	7,700	7,686	86.3	85.9	7,148	7,136	85.4	84.9
25 to 54 years	34,715	35,387	94.9	94.9	33,967	34,640	94.8	94.8
25 to 34 years	15,095	15,404	95.7	95.6	14,608	14,915	95.5	95.4
35 to 44 years	10,725	11,138	96.3	96.2	10,495	10,913	96.3	96.2
45 to 54 years	8,896	8,845	92.1	92.2	8,864	8,813	92.1	92.2
55 to 64 years	6,479	6,394	72.1	70.6	6,478	6,392	72.1	70.6
55 to 59 years	3,984	3,928	82.3	81.6	3,983	3,927	82.3	81.6
60 to 64 years	2,495	2,466	60.2	58.1	2,495	2,466	60.2	58.1
65 years and over	1,675	1,683	18.8	18.5	1,675	1,683	18.8	18.5
<b>Black and other</b>								
16 years and over	6,951	7,079	71.1	70.6	6,511	6,621	69.8	69.2
16 to 19 years	560	519	42.8	39.8	495	457	39.8	36.8
16 to 17 years	177	142	26.8	21.7	174	138	26.4	21.3
18 to 19 years	382	377	59.0	58.0	321	319	54.7	53.8
20 to 24 years	1,156	1,218	77.3	79.9	965	1,022	73.9	76.9
25 to 54 years	4,428	4,552	88.7	88.0	4,245	4,353	88.3	87.6
25 to 34 years	2,053	2,117	90.4	88.8	1,919	1,967	89.8	88.0
35 to 44 years	1,323	1,374	90.7	90.8	1,277	1,328	90.4	90.5
45 to 54 years	1,053	1,062	83.6	83.4	1,048	1,057	83.5	83.4
55 to 64 years	644	626	65.9	62.3	644	626	65.9	62.3
55 to 59 years	399	399	74.3	73.2	398	399	74.3	73.2
60 to 64 years	245	227	55.7	49.5	245	227	55.7	49.5
65 years and over	162	163	16.2	16.0	162	163	16.2	16.0

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981
<b>FEMALES</b>								
16 years and over	45,198	46,192	51.8	52.3	45,033	46,007	51.7	52.2
16 to 19 years	4,184	3,858	51.5	48.8	4,156	3,828	51.4	48.6
16 to 17 years	1,645	1,493	41.8	39.3	1,643	1,491	41.8	39.3
18 to 19 years	2,539	2,365	60.7	57.5	2,513	2,337	60.5	57.2
20 to 24 years	7,207	7,286	69.2	69.3	7,126	7,158	69.0	69.0
25 to 54 years	28,121	29,298	64.9	66.2	28,064	29,231	64.8	66.1
25 to 34 years	12,221	12,825	66.2	67.7	12,170	12,764	66.1	67.6
35 to 44 years	8,832	9,388	66.5	68.1	8,827	9,383	66.4	68.1
45 to 54 years	7,068	7,084	60.9	61.4	7,067	7,084	60.9	61.4
55 to 64 years	4,577	4,653	41.1	41.4	4,577	4,653	41.1	41.4
55 to 59 years	2,865	2,881	48.4	48.8	2,865	2,881	48.4	48.8
60 to 64 years	1,712	1,771	32.8	33.2	1,712	1,771	32.8	33.2
65 years and over	1,109	1,137	7.8	7.8	1,109	1,137	7.8	7.8
<b>White</b>								
16 years and over	39,066	39,870	51.6	52.1	38,944	39,738	51.5	52.0
16 to 19 years	3,751	3,441	55.2	52.2	3,731	3,420	55.1	52.0
16 to 17 years	1,501	1,350	45.8	42.9	1,500	1,348	45.8	42.9
18 to 19 years	2,250	2,091	64.0	60.7	2,231	2,072	63.8	60.5
20 to 24 years	6,260	6,257	71.4	71.1	6,201	6,195	71.2	70.9
25 to 54 years	24,028	25,042	64.3	65.8	23,985	24,992	64.3	65.8
25 to 34 years	10,313	10,867	65.5	67.5	10,275	10,824	65.4	67.4
35 to 44 years	7,579	8,029	66.1	67.5	7,575	8,025	66.1	67.4
45 to 54 years	6,136	6,145	60.6	61.2	6,135	6,144	60.6	61.2
55 to 64 years	4,039	4,112	40.5	40.9	4,038	4,112	40.5	40.9
55 to 59 years	2,534	2,533	48.0	48.2	2,534	2,533	48.0	48.2
60 to 64 years	1,505	1,579	32.1	33.0	1,505	1,579	32.1	33.0
65 years and over	989	1,019	7.7	7.8	989	1,019	7.7	7.8
<b>Black and other</b>								
16 years and over	6,132	6,321	53.4	53.6	6,088	6,268	53.2	53.4
16 to 19 years	433	417	32.7	31.6	425	408	32.3	31.2
16 to 17 years	144	144	21.9	22.1	143	143	21.8	22.0
18 to 19 years	289	273	43.3	40.9	282	265	42.7	40.2
20 to 24 years	947	989	57.9	59.5	926	963	57.3	58.9
25 to 54 years	4,093	4,257	68.1	68.4	4,079	4,239	68.0	68.3
25 to 34 years	1,909	1,958	70.4	68.9	1,896	1,941	70.2	68.8
35 to 44 years	1,253	1,359	68.9	72.0	1,252	1,358	68.9	72.0
45 to 54 years	932	939	62.9	62.7	932	939	62.9	62.7
55 to 64 years	538	541	46.3	45.2	538	541	46.3	45.2
55 to 59 years	331	348	52.4	54.0	331	348	52.4	54.0
60 to 64 years	208	193	39.2	34.9	208	193	39.2	34.9
65 years and over	120	118	8.9	8.5	120	118	8.9	8.5



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

[Numbers in thousands]

Sex and age	December 1981						
	Civilian labor force						Not in labor force
	Total	Employed			Unemployed		
		Total	Agri- culture	Nonagri- cultural indus- tries	Number	Percent of labor force	
<b>TOTAL</b>							
16 years and over .....	10,862	9,078	153	8,925	1,784	16.4	7,120
16 to 19 years .....	745	436	3	433	309	41.5	1,465
16 to 17 years .....	235	126	--	128	108	46.2	898
18 to 19 years .....	511	309	5	305	201	39.4	567
20 to 24 years .....	1,711	1,187	10	1,177	524	30.6	808
25 to 54 years .....	7,153	6,281	100	6,181	872	12.2	2,114
25 to 34 years .....	3,245	2,734	27	2,707	511	15.7	902
35 to 44 years .....	2,241	2,021	48	1,973	221	9.8	562
45 to 54 years .....	1,667	1,526	25	1,501	141	8.5	649
55 to 64 years .....	1,008	949	22	927	59	5.9	899
55 to 59 years .....	645	606	17	589	39	6.0	373
60 to 64 years .....	363	343	5	338	20	5.6	526
65 years and over .....	245	225	18	207	19	7.9	1,834
<b>Males</b>							
16 years and over .....	5,565	4,583	143	4,440	981	17.6	2,491
16 to 19 years .....	395	231	3	227	164	41.5	677
16 to 17 years .....	116	55	--	57	59	50.9	449
18 to 19 years .....	281	175	5	170	105	37.4	228
20 to 24 years .....	883	591	9	583	292	33.1	234
25 to 54 years .....	3,616	3,143	92	3,051	474	13.1	523
25 to 34 years .....	1,621	1,344	25	1,318	277	17.1	212
35 to 44 years .....	1,115	1,001	45	957	115	10.3	120
45 to 54 years .....	881	798	22	776	83	9.4	190
55 to 64 years .....	535	498	22	477	36	6.7	334
55 to 59 years .....	342	317	17	300	25	7.3	127
60 to 64 years .....	193	182	5	177	12	6.2	207
65 years and over .....	135	119	17	103	14	10.4	723
<b>Females</b>							
16 years and over .....	5,297	4,495	10	4,485	803	15.2	4,629
16 to 19 years .....	350	205	--	206	145	41.5	788
16 to 17 years .....	119	71	--	71	49	40.7	449
18 to 19 years .....	230	134	--	135	96	41.9	339
20 to 24 years .....	828	596	1	594	232	28.1	574
25 to 54 years .....	3,537	3,138	8	3,130	398	11.3	1,591
25 to 34 years .....	1,624	1,390	2	1,389	234	14.4	690
35 to 44 years .....	1,126	1,020	3	1,016	106	9.4	442
45 to 54 years .....	786	728	3	725	58	7.4	459
55 to 64 years .....	473	451	--	450	23	4.8	565
55 to 59 years .....	303	289	--	289	14	4.7	246
60 to 64 years .....	170	161	--	161	8	4.9	319
65 years and over .....	110	106	1	104	5	4.1	1,111

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## A-8. Employment status of the noninstitutional population by race, sex, and age

[Numbers in thousands]

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981
<b>TOTAL</b>								
Total noninstitutional population	167,396	169,605	71,875	73,121	79,097	80,477	16,424	16,008
Total labor force	106,902	108,414	56,961	57,710	41,015	42,334	8,926	8,370
Percent of population	63.9	63.9	79.3	78.9	51.9	52.6	54.3	52.3
Civilian labor force	104,778	106,250	55,284	56,016	40,877	42,178	8,616	8,055
Employed	97,545	97,442	52,041	51,787	38,334	39,256	7,170	6,399
Agriculture	3,044	2,819	2,228	2,152	545	455	270	212
Nonagricultural industries	94,501	94,624	49,812	49,635	37,788	38,801	6,901	6,188
Unemployed	7,233	8,807	3,244	4,229	2,544	2,922	1,445	1,656
Percent of labor force	6.9	8.3	5.9	7.5	6.2	6.9	16.8	20.6
Not in labor force	60,494	61,191	14,914	15,411	38,082	38,143	7,498	7,637
<b>White</b>								
Total noninstitutional population	146,140	147,782	63,412	64,397	68,938	70,001	13,790	13,384
Total labor force	93,819	95,014	50,570	51,150	35,316	36,430	7,933	7,435
Percent of population	64.2	64.3	79.7	79.4	51.2	52.0	57.5	55.5
Civilian labor force	92,179	93,360	49,268	49,852	35,214	36,318	7,696	7,190
Employed	86,590	86,515	46,691	46,520	33,317	34,128	6,581	5,867
Agriculture	2,798	2,610	2,036	1,967	513	435	249	208
Nonagricultural industries	83,792	83,905	44,655	44,552	32,804	33,694	6,333	5,659
Unemployed	5,589	6,846	2,577	3,332	1,897	2,190	1,115	1,323
Percent of labor force	6.1	7.3	5.2	6.7	5.4	6.0	14.5	18.4
Not in labor force	52,322	52,769	12,842	13,247	33,622	33,572	5,857	5,949
<b>Black and other</b>								
Total noninstitutional population	21,255	21,823	8,463	8,724	10,159	10,475	2,634	2,624
Total labor force	13,083	13,400	6,391	6,560	5,699	5,904	993	936
Percent of population	61.6	61.4	75.5	75.2	56.1	56.4	37.7	35.7
Civilian labor force	12,599	12,890	6,016	6,164	5,663	5,860	920	866
Employed	10,955	10,928	5,349	5,267	5,016	5,128	589	533
Agriculture	246	209	192	185	32	20	21	4
Nonagricultural industries	10,709	10,719	5,157	5,082	4,984	5,108	568	529
Unemployed	1,644	1,962	667	897	647	732	330	333
Percent of labor force	13.0	15.2	11.1	14.5	11.4	12.5	35.9	38.4
Not in labor force	8,172	8,423	2,072	2,164	4,460	4,571	1,641	1,688

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

(Numbers in thousands)

Employment status and major activity	December 1981								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
<b>TOTAL</b>									
Total noninstitutional population .....	24,556	12,412	12,144	20,609	10,458	10,151	3,947	1,954	1,993
Total labor force .....	14,571	7,944	6,627	12,792	6,916	5,876	1,779	1,028	751
Percent of population .....	59.3	64.0	54.6	62.1	66.1	57.9	45.1	52.6	37.7
Civilian labor force .....	13,847	7,289	6,557	12,244	6,417	5,827	1,603	873	730
Employed .....	11,358	5,787	5,570	10,322	5,232	5,090	1,035	556	480
Agriculture .....	348	301	48	340	290	50	8	10	--
Nonagricultural industries .....	11,009	5,487	5,523	9,982	4,941	5,041	1,027	545	482
Unemployed .....	2,489	1,502	987	1,922	1,185	737	567	317	250
Looking for full-time work .....	1,643	1,006	637	1,239	780	459	403	226	178
Looking for part-time work .....	846	496	350	682	405	278	164	91	73
Percent of labor force .....	18.0	20.6	15.1	15.7	18.5	12.6	35.4	36.3	34.3
Not in labor force .....	9,986	4,468	5,517	7,817	3,542	4,275	2,169	926	1,242
<b>Major activity: going to school</b>									
Civilian labor force .....	4,368	2,176	2,193	3,952	1,972	1,980	417	204	213
Employed .....	3,510	1,672	1,838	3,277	1,566	1,711	233	106	127
Agriculture .....	97	88	9	97	88	9	--	--	--
Nonagricultural industries .....	3,412	1,584	1,828	3,179	1,478	1,701	233	106	127
Unemployed .....	859	504	355	675	406	269	184	98	86
Looking for full-time work .....	94	46	48	63	34	29	31	12	20
Looking for part-time work .....	765	458	307	612	372	241	153	86	66
Percent of labor force .....	19.7	23.1	16.2	17.1	20.6	13.6	44.1	48.0	40.4
Not in labor force .....	7,865	3,943	3,922	6,216	3,157	3,059	1,649	786	864
<b>Major activity: other</b>									
Civilian labor force .....	9,478	5,114	4,364	8,292	4,445	3,847	1,186	669	517
Employed .....	7,848	4,115	3,733	7,045	3,666	3,380	803	450	353
Agriculture .....	251	213	38	243	202	40	8	10	--
Nonagricultural industries .....	7,597	3,903	3,694	6,803	3,463	3,339	794	439	355
Unemployed .....	1,630	999	632	1,247	779	467	384	219	164
Looking for full-time work .....	1,549	960	588	1,177	746	430	372	214	158
Looking for part-time work .....	81	38	43	70	33	37	11	5	6
Percent of labor force .....	17.2	19.5	14.5	15.0	17.5	12.1	32.3	32.8	31.8
Not in labor force .....	2,120	525	1,595	1,601	384	1,216	519	141	378

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

[Numbers in thousands]

Sex, age, and race	December 1981								
	Full-time labor force				Part-time labor force				
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time <sup>1</sup>	Unemployed (looking for part-time work)	
		Full-time schedules <sup>1</sup>	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
<b>TOTAL</b>									
Both sexes, 16 years and over	90,465	77,808	5,227	7,430	8.2	15,784	14,408	1,377	8.7
16 to 21 years	8,170	5,534	992	1,643	20.1	5,677	4,831	846	14.9
16 to 19 years	3,643	2,169	566	908	24.9	4,413	3,664	748	17.0
16 to 17 years	511	255	92	164	32.0	2,618	2,129	489	18.7
18 to 19 years	3,131	1,914	473	744	23.8	1,794	1,535	259	14.4
20 years and over	86,823	75,639	4,661	6,523	7.5	11,372	10,743	629	5.5
20 to 24 years	12,924	10,110	1,020	1,795	13.9	2,391	2,197	194	8.1
25 years and over	73,999	65,529	3,641	4,728	6.4	8,981	8,546	434	4.8
25 to 54 years	62,032	54,805	2,989	4,237	6.8	6,193	5,864	329	5.3
55 years and over	11,867	10,724	652	490	4.1	2,788	2,682	105	3.8
Males, 16 years and over	55,196	48,136	2,522	4,539	8.2	5,047	4,369	678	13.4
16 to 21 years	4,591	3,081	508	1,006	21.9	2,698	2,202	496	18.4
16 to 19 years	2,043	1,217	278	548	26.8	2,184	1,745	439	20.1
16 to 17 years	53,153	46,919	2,244	3,991	7.5	2,863	2,624	239	8.3
20 years and over	7,216	5,623	505	1,088	15.1	942	842	100	10.6
20 to 24 years	45,937	41,295	1,740	2,902	6.3	1,921	1,783	138	7.2
25 years and over	38,221	34,223	1,393	2,605	6.8	773	705	67	8.7
25 to 54 years	7,716	7,072	347	297	3.8	1,148	1,077	71	6.2
55 years and over	35,269	29,673	2,705	2,892	8.2	10,738	10,039	699	6.5
Females, 16 years and over	3,578	2,454	488	637	17.8	2,979	2,628	350	11.8
16 to 21 years	1,600	952	288	360	22.5	2,229	1,920	309	13.9
16 to 19 years	33,669	28,720	2,417	2,532	7.5	8,509	8,119	390	4.6
20 years and over	5,708	4,487	515	706	12.4	1,450	1,355	94	6.5
20 to 24 years	27,961	24,233	1,902	1,825	6.5	7,059	6,763	296	4.2
25 years and over	23,810	20,581	1,596	1,632	6.9	5,420	5,159	262	4.8
25 to 54 years	4,151	3,652	306	193	4.6	1,639	1,605	34	2.1
55 years and over									
<b>White</b>									
Males, 16 years and over	49,078	43,354	2,132	3,593	7.3	4,543	3,994	549	12.1
16 to 21 years	3,983	2,775	428	780	19.6	2,434	2,029	405	16.6
16 to 19 years	1,787	1,115	227	445	24.9	1,983	1,618	365	18.4
16 to 17 years	47,292	42,239	1,905	3,148	6.7	2,560	2,376	184	7.2
20 years and over	6,297	5,063	435	800	12.7	839	765	73	8.8
20 to 24 years	40,994	37,176	1,470	2,348	5.7	1,721	1,611	110	6.4
25 years and over	33,966	30,705	1,170	2,091	6.2	675	618	57	8.4
25 to 54 years	7,029	6,471	300	257	3.7	1,047	993	53	5.1
55 years and over	29,882	25,545	2,221	2,116	7.1	9,856	9,268	588	6.0
Females, 16 years and over	3,112	2,240	413	459	14.7	2,715	2,437	278	10.2
16 to 21 years	1,393	876	250	267	19.2	2,027	1,781	247	12.2
16 to 19 years	28,489	24,670	1,971	1,849	6.5	7,829	7,488	341	4.4
20 years and over	4,863	3,977	416	471	9.7	1,331	1,252	79	5.9
20 to 24 years	23,626	20,693	1,555	1,378	5.8	6,498	6,235	262	4.0
25 years and over	19,959	17,434	1,312	1,212	6.1	5,035	4,804	230	4.6
25 to 54 years	3,668	3,259	242	167	4.6	1,463	1,431	32	2.2
55 years and over									
<b>Black and other</b>									
Males, 16 years and over	6,118	4,782	390	946	15.5	503	375	129	25.6
16 to 21 years	608	306	76	226	37.1	265	173	91	34.5
16 to 19 years	256	102	51	103	40.3	201	126	75	37.1
16 to 17 years	5,862	4,680	339	843	14.4	302	248	54	17.9
20 years and over	919	561	70	289	31.4	103	76	26	25.8
20 to 24 years	4,943	4,120	269	554	11.2	199	172	28	14.1
25 years and over	4,256	3,519	222	514	12.1	98	87	10	10.2
25 to 54 years	687	601	46	40	5.8	102	85	18	17.6
55 years and over	5,387	4,127	484	776	14.4	882	770	111	12.6
Females, 16 years and over	466	213	75	178	38.1	264	191	73	27.6
16 to 21 years	207	77	38	92	44.6	201	139	63	31.1
16 to 19 years	5,180	4,051	446	683	13.2	680	631	49	7.2
20 years and over	845	510	99	235	27.9	118	103	15	12.8
20 to 24 years	4,335	3,541	346	447	10.3	561	529	34	6.1
25 years and over	3,852	3,148	284	421	10.9	386	355	31	8.0
25 to 54 years	483	393	63	26	5.4	176	174	3	1.7
55 years and over									

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

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

[Numbers in thousands]

Family relationship	December 1981									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
<b>Total, 16 years and over</b> .....	106,250	63.5	97,442	8,807	8.3	61,191	31,906	9,554	2,484	17,247
Husbands .....	38,827	80.1	36,749	2,078	5.4	9,633	144	205	914	8,370
With employed wife .....	21,405	91.8	20,370	1,034	4.8	1,906	42	118	285	1,461
With unemployed wife .....	1,383	93.4	1,149	234	16.9	98	-	9	21	68
With wife not in labor force .....	16,040	67.8	15,230	810	5.1	7,630	101	79	608	6,842
<b>Wives</b> .....	24,791	51.2	23,310	1,481	6.0	23,670	21,319	348	290	1,713
With employed husband .....	21,519	58.6	20,370	1,149	5.3	15,230	14,137	291	107	695
With unemployed husband .....	1,268	61.0	1,034	234	18.5	810	751	20	7	32
With husband not in labor force .....	2,003	20.8	1,906	98	4.9	7,630	6,432	37	176	986
<b>Relatives in married-couple families</b> .....	12,855	60.5	10,849	2,006	15.6	8,391	789	6,087	232	1,282
16 to 19 years .....	5,463	51.8	4,509	954	17.5	5,078	125	4,675	7	270
20 to 24 years .....	4,861	74.5	4,172	689	14.2	1,662	124	1,303	24	210
25 years and over .....	2,531	60.5	2,168	363	14.3	1,651	540	109	201	802
Females who maintain families .....	5,610	60.6	5,032	578	10.3	3,643	2,875	136	113	519
Relatives in families maintained by females .....	4,468	54.6	3,504	964	21.6	3,722	806	1,666	247	1,003
16 to 19 years .....	1,294	44.8	866	428	33.1	1,592	106	1,320	-	166
20 to 24 years .....	1,405	69.6	1,085	320	22.8	612	126	277	26	183
25 years and over .....	1,769	53.8	1,553	216	12.2	1,518	574	69	221	654
Males who maintain families .....	1,790	75.4	1,639	151	8.4	584	28	33	59	464
Relatives in families maintained by males .....	1,420	57.0	1,167	253	17.8	1,071	426	339	57	250
16 to 19 years .....	294	49.9	207	88	29.8	296	15	244	1	36
20 to 24 years .....	405	73.2	333	72	17.8	148	36	73	4	35
25 years and over .....	721	53.4	627	93	12.9	627	375	22	52	179
<b>Persons living alone</b> .....	10,166	53.6	9,561	605	5.9	8,797	5,040	221	470	3,066
Males .....	5,268	71.0	4,864	405	7.7	2,149	145	131	232	1,642
Females .....	4,898	42.4	4,697	200	4.1	6,648	4,896	90	238	1,424
All others <sup>1</sup> .....	6,323	79.0	5,631	691	10.9	1,680	479	519	102	580

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

## A-10. Unemployed persons by marital status, race, age, and sex

Marital status, race, and age	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981
<b>Total, 16 years and over</b> .....	4,100	5,216	6.9	8.7	3,133	3,591	7.0	7.8
Married, spouse present .....	1,652	2,187	4.1	5.5	1,333	1,539	5.4	6.1
Widowed, divorced, or separated .....	447	596	8.8	11.0	651	794	7.5	8.6
Single (never married) .....	2,001	2,434	13.6	16.2	1,149	1,257	10.0	10.8
<b>Whites, 16 years and over</b> .....	3,238	4,142	6.1	7.7	2,351	2,704	6.0	6.8
Married, spouse present .....	1,425	1,839	3.9	5.1	1,146	1,283	5.1	5.7
Widowed, divorced, or separated .....	331	445	8.1	10.1	465	576	6.7	7.8
Single (never married) .....	1,482	1,858	11.7	14.4	740	844	7.6	8.6
<b>Black and other, 16 years and over</b> .....	862	1,075	13.2	16.2	782	887	12.8	14.2
Married, spouse present .....	228	348	6.5	9.9	187	256	7.3	9.9
Widowed, divorced, or separated .....	116	151	12.0	14.8	186	218	10.9	12.0
Single (never married) .....	518	576	25.3	27.5	409	413	22.5	22.0
<b>Total, 20 to 64 years of age</b> .....	3,198	4,157	6.0	7.7	2,515	2,899	6.3	7.1
Married, spouse present .....	1,600	2,110	4.2	5.5	1,253	1,468	5.2	6.0
Widowed, divorced, or separated .....	437	582	9.1	11.3	619	753	7.8	8.8
Single (never married) .....	1,159	1,465	11.2	13.5	642	678	8.3	8.3
<b>Whites, 20 to 64 years of age</b> .....	2,538	3,277	5.3	6.8	1,874	2,171	5.5	6.2
Married, spouse present .....	1,380	1,774	4.0	5.1	1,075	1,216	5.0	5.6
Widowed, divorced, or separated .....	323	436	8.3	10.4	438	542	6.9	8.0
Single (never married) .....	834	1,068	9.5	11.6	360	412	5.7	6.2
<b>Black and other, 20 to 64 years of age</b> .....	660	879	11.3	14.6	641	728	11.6	12.7
Married, spouse present .....	220	336	6.5	9.9	178	251	7.1	9.9
Widowed, divorced, or separated .....	115	146	12.6	15.2	181	212	11.2	12.3
Single (never married) .....	325	397	20.7	24.2	282	265	19.9	17.9

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981
Total, 16 years and over	7,233	8,807	6.9	8.3	6.9	8.7	7.0	7.8
White-collar workers	1,875	2,207	3.5	4.0	2.6	3.2	4.3	4.7
Professional and technical	364	496	2.2	2.9	1.8	2.6	2.7	3.3
Managers and administrators, except farm	264	332	2.3	2.9	1.8	2.5	3.7	4.1
Sales workers	255	283	3.7	4.1	3.4	3.8	4.2	4.4
Clerical workers	993	1,097	5.2	5.7	5.0	5.7	5.2	5.7
Blue-collar workers	3,482	4,250	10.3	12.6	9.7	12.2	12.9	14.5
Craft and kindred workers	914	1,223	6.9	9.2	6.9	9.4	7.7	6.8
Carpenters and other construction craft workers	424	608	10.4	14.9	10.3	15.1	(1)	(1)
All other	490	615	5.4	6.6	5.2	6.6	6.8	6.7
Operatives, except transport	1,432	1,741	12.2	15.0	10.9	14.2	14.1	16.0
Transport equipment operatives	337	374	8.9	10.1	9.0	10.5	8.5	5.3
Nonfarm laborers	799	912	15.8	18.5	16.1	18.3	13.5	20.2
Construction laborers	239	244	25.0	27.4	24.5	27.1	(1)	(1)
All other	560	668	13.7	16.5	13.9	16.1	11.9	19.3
Service workers	1,035	1,312	7.4	8.9	7.2	9.4	7.5	8.6
Private household	46	41	4.2	3.4	(1)	(1)	4.3	3.5
All other	989	1,271	7.6	9.4	7.2	9.5	8.0	9.4
Farm workers	136	193	5.2	7.7	4.8	7.3	6.9	10.5
No previous work experience	705	845	--	--	--	--	--	--
18 to 19 years	550	617	--	--	--	--	--	--
20 to 24 years	103	157	--	--	--	--	--	--
25 years and over	52	72	--	--	--	--	--	--

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

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

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981
Total, 16 years and over	100.0	100.0	6.9	8.3	6.9	8.7	7.0	7.8
Nonagricultural private wage and salary workers	77.5	77.6	7.3	8.7	7.3	9.2	7.3	8.0
Mining	1.0	.9	7.1	6.7	7.5	6.8	4.6	6.3
Construction	9.5	10.2	13.9	18.2	14.0	18.5	12.2	14.3
Manufacturing	26.5	26.7	8.4	10.5	7.2	9.7	11.0	11.9
Durable goods	16.0	16.9	8.4	10.9	7.6	10.6	10.6	11.8
Lumber and wood products	1.0	1.6	10.6	22.2	11.0	21.0	(1)	30.4
Furniture and fixtures	.6	.7	7.8	11.9	7.5	8.7	8.2	18.2
Stone, clay, and glass products	.9	1.0	10.7	12.5	9.3	11.7	16.2	15.5
Primary metal industries	1.5	1.9	8.9	13.2	9.3	13.3	6.4	12.2
Fabricated metal products	2.1	2.2	9.2	12.3	7.7	12.6	14.7	11.4
Machinery, except electrical equipment	2.7	2.3	6.7	7.0	6.0	6.9	9.3	7.2
Electrical equipment	2.2	2.3	6.4	8.2	4.1	6.4	9.4	10.4
Transportation equipment	3.9	3.7	12.4	14.7	11.4	14.4	16.7	16.6
Automobiles	2.8	2.8	17.0	21.2	14.7	19.5	27.2	29.9
Other transportation equipment	1.1	.9	7.1	7.3	7.5	8.1	5.7	3.5
Instruments and related products	.3	.4	3.4	5.5	2.4	4.6	4.6	6.7
Other durable goods industries	.8	.8	7.7	10.3	5.5	6.8	11.2	14.6
Nondurable goods	10.5	9.8	8.5	9.7	6.3	8.0	11.3	12.1
Food and kindred products	2.8	2.6	10.6	12.3	7.6	10.3	16.8	17.2
Textile mill products	1.0	1.1	8.4	12.5	9.3	15.9	7.7	9.2
Apparel and other textile products	2.5	2.2	13.7	14.6	9.9	11.3	14.6	15.4
Paper and allied products	.6	.5	6.3	5.6	5.6	4.6	8.2	9.1
Printing and publishing	1.1	.9	5.3	5.0	5.0	4.3	5.8	5.8
Chemicals and allied products	.8	.9	4.4	6.1	3.5	5.0	6.8	9.1
Rubber and plastics products	1.1	1.0	11.3	12.1	10.5	10.8	12.4	14.3
Other nondurable goods industries	.6	.6	7.0	9.0	2.1	6.8	12.6	12.1
Transportation and public utilities	3.7	3.9	4.8	5.9	5.3	6.6	3.1	4.0
Railroads and railway express	.5	.6	6.2	9.1	6.1	8.8	(1)	(1)
Other transportation	2.8	2.7	7.5	8.7	8.1	9.5	5.5	5.8
Communication and other public utilities	.4	.6	1.3	2.0	1.3	1.9	1.2	2.3
Wholesale and retail trade	20.1	19.1	7.5	8.4	7.1	8.1	8.1	8.8
Finance, insurance, and real estate	2.6	2.5	3.5	3.8	3.2	3.8	3.6	3.8
Service industries	14.1	14.4	5.7	6.8	6.0	7.5	5.5	6.3
Professional services	5.7	5.9	3.9	4.7	3.2	4.0	4.1	5.1
All other service industries	8.5	8.5	8.4	9.8	8.5	10.8	8.3	8.8
Agricultural wage and salary workers	2.6	2.8	13.4	18.1	13.2	17.6	14.2	20.4
All other classes of workers	10.1	10.0	2.8	3.5	2.7	3.4	3.0	3.5
No previous work experience	9.7	9.6	--	--	--	--	--	--

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

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

Reason for unemployment	Total unemployed		Males, 20 years and over		Females, 20 years and over		Both sexes, 16 to 19 years		White		Black and other	
	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed, in thousands.....	7,233	8,807	3,244	4,229	2,544	2,922	1,445	1,656	5,589	6,846	1,644	1,962
Job losers.....	4,143	5,249	2,441	3,220	1,341	1,510	361	519	3,302	4,179	841	1,070
On layoff.....	1,413	2,002	844	1,264	485	589	85	149	1,207	1,687	207	314
Other job losers.....	2,730	3,247	1,597	1,956	856	921	276	370	2,095	2,492	634	756
Job leavers.....	721	781	300	317	295	362	127	102	594	679	128	102
Reentrants.....	1,664	1,933	440	586	816	927	409	420	1,231	1,415	433	518
New entrants.....	704	844	63	105	92	123	549	615	462	573	242	271
<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.....	57.2	59.6	75.2	76.2	52.7	51.7	25.0	31.3	59.1	61.1	51.2	54.5
On layoff.....	19.5	22.7	26.0	29.9	19.1	20.2	5.9	9.0	21.6	24.7	12.6	16.0
Other job losers.....	37.7	36.9	49.2	46.3	33.6	31.5	19.1	22.3	37.5	36.4	38.6	38.5
Job leavers.....	10.0	8.9	9.2	7.5	11.6	12.4	8.8	6.2	10.6	9.9	7.8	5.2
Reentrants.....	23.0	21.9	13.6	13.9	32.1	31.7	28.3	25.3	22.0	20.7	26.4	26.4
New entrants.....	9.7	9.6	1.9	2.5	3.6	4.2	38.0	37.2	8.3	8.4	14.7	13.8
<b>UNEMPLOYMENT RATE</b>												
Total unemployment rate.....	6.9	8.3	5.9	7.5	6.2	6.9	16.8	20.6	6.1	7.3	13.0	15.2
Job loser rate <sup>1</sup> .....	3.9	5.0	4.4	5.8	3.3	3.6	4.2	6.4	3.6	4.5	6.6	8.3
Job leaver rate <sup>1</sup> .....	.7	.7	.5	.6	.7	.9	1.5	1.3	.6	.7	1.0	.8
Reentrant rate <sup>1</sup> .....	1.6	1.8	.8	1.0	2.0	2.2	4.7	5.2	1.3	1.5	3.4	4.0
New entrant rate <sup>1</sup> .....	.7	.8	.1	.2	.2	.3	6.4	7.6	.5	.6	1.9	2.1

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

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

(Percent distribution)

Reason, sex, and age	December 1981						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
<b>Total, 16 years and over.....</b>	<b>8,807</b>	<b>100.0</b>	<b>39.9</b>	<b>34.9</b>	<b>25.2</b>	<b>13.0</b>	<b>12.2</b>
Job losers.....	5,249	100.0	37.8	35.7	26.4	12.7	13.8
On layoff.....	2,002	100.0	53.3	32.0	14.7	7.3	7.4
Other job losers.....	3,247	100.0	28.3	38.0	33.7	16.0	17.7
Job leavers.....	781	100.0	41.3	38.0	20.7	11.0	9.7
Reentrants.....	1,933	100.0	43.5	34.4	22.2	13.6	8.6
New entrants.....	844	100.0	43.8	28.1	28.1	15.4	12.7
<b>Males, 20 years and over.....</b>	<b>4,229</b>	<b>100.0</b>	<b>36.7</b>	<b>35.4</b>	<b>27.9</b>	<b>13.3</b>	<b>14.6</b>
Job losers.....	3,220	100.0	36.0	35.9	28.2	13.0	15.1
On layoff.....	1,264	100.0	51.5	33.3	15.3	8.1	7.2
Other job losers.....	1,956	100.0	25.9	37.6	36.5	16.2	20.3
Job leavers.....	317	100.0	37.8	36.0	26.2	13.6	12.6
Reentrants.....	586	100.0	40.7	33.4	25.9	13.2	12.7
New entrants.....	105	100.0	32.5	29.8	37.7	22.0	15.6
<b>Females, 20 years and over.....</b>	<b>2,922</b>	<b>100.0</b>	<b>39.7</b>	<b>36.0</b>	<b>24.3</b>	<b>12.5</b>	<b>11.9</b>
Job losers.....	1,510	100.0	37.4	35.5	27.1	12.7	14.3
On layoff.....	589	100.0	51.5	31.4	17.1	7.1	10.0
Other job losers.....	921	100.0	28.4	38.2	33.4	16.3	17.1
Job leavers.....	362	100.0	39.8	40.7	19.5	10.5	9.0
Reentrants.....	927	100.0	43.9	36.0	20.2	12.3	7.9
New entrants.....	123	100.0	35.0	28.4	36.6	16.4	20.2
<b>Both sexes, 16 to 19 years.....</b>	<b>1,656</b>	<b>100.0</b>	<b>48.9</b>	<b>31.6</b>	<b>19.5</b>	<b>13.0</b>	<b>6.5</b>
Job losers.....	519	100.0	50.7	35.3	13.9	10.2	3.8
On layoff.....	149	100.0	76.0	23.9	.1	.1	--
Other job losers.....	370	100.0	40.6	39.9	19.5	13.9	5.6
Job leavers.....	102	100.0	57.3	34.7	8.0	4.8	3.2
Reentrants.....	420	100.0	46.5	32.1	21.4	17.1	4.3
New entrants.....	615	100.0	47.5	27.7	24.8	14.1	10.8

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

Sex, age, and race	December 1981								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
<b>Total, 16 years and over</b> .....	8,807	6,745	27.2	5.9	74.3	33.5	14.6	4.7	1.60
16 to 19 years .....	1,656	1,494	16.4	1.8	81.7	27.7	11.0	1.6	1.40
20 to 24 years .....	1,989	1,603	30.4	6.4	75.4	32.6	15.2	3.3	1.63
25 to 34 years .....	2,411	1,725	32.3	7.6	72.1	37.3	16.5	5.7	1.72
35 to 44 years .....	1,313	929	30.7	8.1	71.4	36.8	17.0	5.8	1.70
45 to 54 years .....	842	562	28.5	8.2	70.1	36.8	9.6	7.1	1.60
55 to 64 years .....	500	353	23.2	4.2	66.9	31.7	18.1	11.0	1.55
65 years and over .....	96	79	21.5	7.6	58.2	20.3	24.1	5.1	1.37
<b>Males, 16 years and over</b> .....	5,216	3,805	29.3	6.3	75.8	30.5	16.6	6.1	1.65
16 to 19 years .....	987	875	16.3	1.4	83.1	25.3	12.7	1.8	1.41
20 to 24 years .....	1,188	909	33.0	7.4	76.1	31.0	17.5	4.6	1.70
25 to 34 years .....	1,441	974	36.7	9.0	73.6	34.9	18.6	7.0	1.80
35 to 44 years .....	743	479	34.4	7.3	73.7	36.5	18.8	7.5	1.78
45 to 54 years .....	489	294	28.9	7.8	72.4	29.3	13.3	9.9	1.62
55 to 64 years .....	296	215	24.7	4.2	65.1	23.3	17.7	17.2	1.52
65 years and over .....	72	58	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>Females, 16 years and over</b> .....	3,591	2,940	24.6	5.5	72.4	37.4	12.1	2.8	1.55
16 to 19 years .....	669	619	16.5	2.4	79.6	31.2	8.6	1.3	1.40
20 to 24 years .....	801	694	27.1	5.0	74.5	34.9	12.2	1.6	1.55
25 to 34 years .....	970	751	26.8	5.7	70.0	40.5	13.8	4.1	1.61
35 to 44 years .....	570	450	26.9	8.9	68.9	37.3	15.1	4.0	1.61
45 to 54 years .....	354	268	28.0	8.6	67.5	45.5	5.2	4.1	1.59
55 to 64 years .....	204	137	21.2	4.4	70.1	45.3	19.0	1.5	1.61
65 years and over .....	23	21	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>White, 16 years and over</b> .....	6,846	5,103	25.0	6.0	74.8	34.6	15.5	4.6	1.61
Males .....	4,142	2,944	26.9	6.7	76.4	31.0	17.8	6.1	1.65
Females .....	2,704	2,158	22.3	5.1	72.8	39.7	12.4	2.6	1.55
<b>Black and other, 16 years and over</b> .....	1,962	1,642	34.1	5.7	72.6	30.0	11.9	4.7	1.59
Males .....	1,075	860	37.2	5.1	73.7	28.8	12.4	6.0	1.63
Females .....	887	782	30.6	6.4	71.4	31.2	11.4	3.2	1.54

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

waiting to begin a new wage and salary job within 30 days are not actually seeking jobs. It should also be noted that the percent using each method will always total more than 100 because many jobseekers use more than one method.

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or

**A-16. Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used**

Sex and reason	December 1981								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
<b>Total, 16 years and over</b> .....	8,807	6,745	27.2	5.9	74.3	33.5	14.6	4.7	1.60
Job losers .....	5,249	3,259	33.0	6.8	75.8	34.0	17.2	6.0	1.73
Job leavers .....	781	779	27.5	8.9	70.1	40.3	11.2	2.7	1.61
Reentrants .....	1,933	1,864	21.7	4.1	71.5	34.4	13.3	4.3	1.49
New entrants .....	844	842	16.5	3.8	78.7	23.3	10.9	2.1	1.35
<b>Males, 16 years and over</b> .....	5,216	3,805	29.3	6.3	75.8	30.5	16.6	6.1	1.65
Job losers .....	3,584	2,221	33.0	7.0	75.8	31.3	18.6	7.2	1.73
Job leavers .....	368	369	31.2	10.8	73.2	35.2	12.5	3.5	1.66
Reentrants .....	830	778	25.8	4.0	74.0	30.6	14.7	6.8	1.56
New entrants .....	434	436	14.2	3.4	81.0	22.0	13.1	1.8	1.36
<b>Females, 16 years and over</b> .....	3,591	2,940	24.6	5.5	72.4	37.4	12.1	2.8	1.55
Job losers .....	1,664	1,038	32.9	6.6	75.8	39.7	14.2	3.5	1.73
Job leavers .....	413	410	24.1	7.1	67.1	44.9	10.2	2.0	1.55
Reentrants .....	1,104	1,086	18.8	4.3	69.7	37.3	12.2	2.6	1.45
New entrants .....	410	406	18.7	4.2	76.1	24.6	8.9	2.5	1.35

NOTE: See note, table A-15.



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

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981
Total, 16 years and over .....	7,233	8,807	100.0	100.0	5,998	7,430	100.0	100.0
Less than 5 weeks .....	2,716	3,518	37.6	39.9	2,022	2,760	33.7	37.1
5 to 14 weeks .....	2,274	3,073	31.4	34.9	1,889	2,649	31.5	35.7
15 to 26 weeks .....	1,636	2,194	22.6	24.9	1,349	1,902	22.5	25.6
27 to 51 weeks .....	638	879	8.8	10.0	539	748	9.0	10.1
52 weeks and over .....	2,242	2,216	31.0	25.2	2,087	2,021	34.8	27.2
Average (mean) duration, in weeks .....	14.0	13.2	--	--	15.3	14.2	--	--
Median duration, in weeks .....	7.9	7.2	--	--	9.1	7.8	--	--

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

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981
	December 1981								Dec. 1980	Dec. 1981	Dec. 1980
Total, 16 years and over .....	8,807	3,518	3,073	1,144	1,072	13.2	7.2	37.6	39.9	31.0	25.2
16 to 21 years .....	2,489	1,153	830	319	188	10.7	6.0	45.3	46.3	22.2	20.3
16 to 19 years .....	1,656	809	524	216	107	10.1	5.3	48.9	48.9	20.4	19.5
20 to 24 years .....	1,989	791	747	250	201	12.3	7.3	39.0	39.8	29.1	22.7
25 to 34 years .....	2,411	937	830	320	323	14.0	7.2	34.3	38.9	35.2	26.7
35 to 44 years .....	1,313	446	488	181	198	14.7	8.5	34.0	34.0	36.1	28.9
45 to 54 years .....	842	320	263	117	143	15.2	7.7	26.9	37.9	40.3	30.9
55 to 64 years .....	500	179	182	50	89	16.8	8.3	34.1	35.9	28.6	27.8
65 years and over .....	96	36	39	10	11	12.6	8.0	34.7	37.8	29.8	21.4
Males, 16 years and over .....	5,216	2,034	1,814	689	679	13.9	7.4	35.0	39.0	34.4	26.2
16 to 21 years .....	1,502	699	503	198	102	10.7	5.9	42.3	46.5	24.3	20.0
16 to 19 years .....	987	484	317	125	61	10.2	5.3	46.2	49.0	22.8	18.9
20 to 24 years .....	1,188	443	445	171	129	13.1	7.9	34.5	37.3	33.0	25.2
25 to 34 years .....	1,441	538	500	188	215	14.8	7.5	30.9	37.3	41.1	28.0
35 to 44 years .....	743	245	266	109	122	15.4	8.7	33.2	33.0	38.0	31.2
45 to 54 years .....	489	200	134	68	87	15.9	6.8	25.9	41.0	40.8	31.6
55 to 64 years .....	296	94	121	22	59	18.3	8.6	35.7	31.7	33.9	27.3
65 years and over .....	72	30	30	6	6	10.1	7.1	(1)	(1)	(1)	(1)
Females, 16 years and over .....	3,591	1,484	1,259	455	392	12.3	7.0	40.9	41.3	26.5	23.6
16 to 21 years .....	987	454	327	121	85	10.7	6.1	49.4	46.0	19.2	20.9
16 to 19 years .....	669	325	207	91	46	9.9	5.3	53.0	48.6	16.9	20.5
20 to 24 years .....	801	347	302	79	72	11.1	6.5	45.3	43.4	23.8	18.9
25 to 34 years .....	970	399	330	132	108	12.8	6.8	38.6	41.2	27.7	24.8
35 to 44 years .....	570	201	222	72	75	13.9	8.3	35.0	35.3	34.2	25.9
45 to 54 years .....	354	119	129	49	56	14.4	8.9	28.3	33.7	39.6	29.8
55 to 64 years .....	204	86	60	28	30	14.5	7.7	32.3	41.9	22.2	28.6
65 years and over .....	23	6	9	4	5	20.2	10.0	(1)	(1)	(1)	(1)
White, 16 years and over .....	6,846	2,777	2,473	852	744	12.5	6.9	38.0	40.6	30.2	23.3
Males .....	4,142	1,652	1,478	529	483	13.1	7.0	35.9	39.9	33.8	24.4
Females .....	2,704	1,125	995	323	261	11.6	6.8	40.8	41.6	25.2	21.6
Black and other, 16 years and over .....	1,962	741	600	293	328	15.8	8.3	36.2	37.8	33.8	31.6
Males .....	1,075	382	337	160	196	16.7	9.0	31.6	35.6	36.8	33.1
Females .....	887	359	263	133	132	14.7	7.6	41.2	40.5	30.5	29.8
Males, 16 years and over:											
Married, spouse present .....	2,187	836	755	290	307	14.5	7.5	32.5	38.2	37.1	27.3
Widowed, divorced, or separated .....	596	213	206	68	109	15.9	8.1	32.3	35.7	38.5	29.7
Single (never married) .....	2,434	986	853	331	263	12.8	7.7	37.7	40.5	31.3	24.4
Females, 16 years and over:											
Married, spouse present .....	1,539	650	550	181	159	11.9	6.7	39.2	42.2	27.4	22.1
Widowed, divorced, or separated .....	794	282	294	107	111	14.1	8.3	35.7	35.5	29.1	27.4
Single (never married) .....	1,257	552	414	168	123	11.7	6.5	45.8	43.9	24.1	23.1

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

# HOUSEHOLD DATA

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

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981
	December 1981										
<b>OCCUPATION</b>											
White-collar workers .....	2,207	796	792	316	304	14.1	8.4	34.9	36.1	31.0	28.1
Professional and managerial .....	828	271	292	125	138	16.4	9.6	29.8	32.7	34.2	31.9
Sales workers .....	283	128	93	31	31	11.8	6.4	36.6	45.3	28.5	21.9
Clerical workers .....	1,097	396	407	159	134	13.0	8.2	37.7	36.1	29.6	26.7
Blue-collar workers .....	4,250	1,700	1,516	531	503	13.3	7.1	34.7	40.0	35.1	24.3
Craft and kindred workers .....	1,223	486	471	182	128	12.4	7.0	37.4	39.7	31.7	21.7
Operatives, except transport .....	1,741	700	615	214	212	13.4	7.5	34.5	40.2	37.3	24.4
Transport equipment operatives .....	374	146	118	52	58	15.1	6.6	29.1	39.1	35.8	29.2
Nonfarm laborers .....	912	367	312	123	110	13.7	7.0	34.4	40.3	34.8	25.6
Service workers .....	1,312	558	452	156	146	12.2	6.5	43.6	42.5	25.7	23.0
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	249	122	101	14	12	8.5	5.1	45.0	49.0	17.0	10.4
Construction .....	936	394	342	107	94	11.3	6.5	42.5	42.1	25.3	21.4
Manufacturing .....	2,353	940	807	313	293	13.7	7.4	31.0	39.9	41.8	25.8
Durable goods .....	1,490	557	516	213	205	14.8	7.9	26.5	37.4	49.4	28.0
Non-durable goods .....	863	382	291	100	89	11.7	6.5	37.8	44.3	30.3	21.9
Transportation and public utilities .....	381	144	140	42	55	15.0	7.2	34.2	37.8	37.0	25.6
Wholesale and retail trade .....	1,690	677	632	199	181	12.2	7.2	37.2	40.1	27.5	22.5
Finance and service industries .....	1,830	690	613	274	253	14.2	7.7	37.5	37.7	28.0	28.7
Public administration .....	275	76	100	42	58	19.2	10.9	34.1	27.5	37.7	36.2
No previous work experience .....	845	371	237	130	108	13.2	6.8	49.2	43.9	21.2	28.1

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

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

(In thousands)

Industry and age	Total		Males		Females	
	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981
All industries .....	97,545	97,442	55,644	55,027	41,900	42,416
16 to 19 years .....	7,170	6,399	3,604	3,240	3,567	3,160
16 to 17 years .....	2,784	2,476	1,408	1,247	1,375	1,230
18 to 19 years .....	4,387	3,923	2,195	1,993	2,191	1,930
20 to 24 years .....	13,562	13,327	7,135	6,969	6,427	6,357
25 to 54 years .....	62,664	63,658	36,221	36,321	26,442	27,337
25 to 34 years .....	26,756	27,236	15,445	15,441	11,311	11,795
35 to 44 years .....	19,627	20,311	11,269	11,498	8,358	8,813
45 to 54 years .....	16,280	16,111	9,508	9,382	6,773	6,730
55 to 64 years .....	11,277	11,171	6,893	6,722	4,385	4,449
55 to 59 years .....	6,993	6,885	4,245	4,137	2,749	2,748
60 to 64 years .....	4,284	4,286	2,648	2,586	1,636	1,700
65 years and over .....	2,872	2,888	1,792	1,774	1,080	1,114
Nonagricultural industries .....	94,501	94,624	53,192	52,690	41,309	41,933
16 to 19 years .....	6,901	6,188	3,379	3,056	3,521	3,132
16 to 17 years .....	2,652	2,394	1,302	1,172	1,351	1,221
18 to 19 years .....	4,248	3,794	2,078	1,883	2,171	1,911
20 to 24 years .....	13,246	12,989	6,888	6,685	6,358	6,304
25 to 54 years .....	60,996	62,101	34,933	35,080	26,062	27,021
25 to 34 years .....	26,165	26,637	14,957	14,966	11,208	11,671
35 to 44 years .....	19,089	19,810	10,877	11,092	8,211	8,718
45 to 54 years .....	15,742	15,654	9,099	9,022	6,643	6,632
55 to 64 years .....	10,777	10,721	6,462	6,336	4,315	4,386
55 to 59 years .....	6,730	6,640	4,021	3,930	2,710	2,710
60 to 64 years .....	4,047	4,081	2,442	2,406	1,605	1,675
65 years and over .....	2,582	2,625	1,528	1,534	1,053	1,091
Agriculture .....	3,044	2,819	2,453	2,336	591	483
16 to 19 years .....	270	212	224	184	46	28
16 to 17 years .....	131	83	106	75	25	8
18 to 19 years .....	138	129	118	110	21	19
20 to 24 years .....	316	338	247	285	69	53
25 to 54 years .....	1,668	1,557	1,288	1,241	380	316
25 to 34 years .....	591	598	488	475	103	123
35 to 44 years .....	538	501	392	406	146	95
45 to 54 years .....	538	458	408	360	130	98
55 to 64 years .....	500	449	430	387	70	63
55 to 59 years .....	263	245	224	207	39	38
60 to 64 years .....	237	204	206	180	31	25
65 years and over .....	290	263	264	240	27	23

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A-21. Employed persons by occupation, sex, and age

(In thousands)

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 16-19 years		Females, 16-19 years	
	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981
	<b>TOTAL</b>	97,545	97,442	52,041	51,787	38,334	39,256	3,604	3,240	3,567
Whites-collar workers	51,733	52,422	23,357	23,627	25,777	26,536	677	610	1,922	1,649
Professional and technical	16,012	16,644	8,745	9,013	7,090	7,471	78	76	99	83
Health workers	2,969	3,057	958	974	1,985	2,057	7	9	21	16
Teachers, except college	3,381	3,429	1,006	983	2,351	2,422	6	1	18	23
Other professional and technical	9,662	10,158	6,781	7,056	2,754	2,992	65	66	60	44
Managers and administrators, except farm	10,988	11,019	8,026	7,905	2,865	3,010	53	55	44	49
Salaried workers	9,084	9,249	6,595	6,558	2,399	2,593	49	52	41	46
Self-employed workers in retail trade	803	793	511	529	290	261	2	1	--	3
Self-employed workers, except retail trade	1,101	977	919	818	177	157	2	2	3	1
Sales workers	6,543	6,668	3,283	3,329	2,499	2,696	252	223	510	420
Retail trade	3,407	3,539	1,015	1,081	1,728	1,872	200	184	464	402
Other industries	3,136	3,130	2,268	2,248	771	824	52	39	46	18
Clerical workers	18,189	18,091	3,304	3,380	13,323	13,359	295	256	1,268	1,096
Stenographers, typists, and secretaries	4,967	4,741	60	78	4,593	4,437	5	3	310	223
Other clerical workers	13,222	13,350	3,244	3,302	8,730	8,922	290	253	958	873
Blue-collar workers	30,305	29,356	22,736	22,184	5,459	5,350	1,750	1,574	361	248
Craft and kindred workers	12,305	12,105	11,076	10,927	773	849	403	305	53	24
Carpenters	1,152	1,031	1,078	972	16	18	56	40	1	1
Construction craft workers, except carpenters	2,501	2,431	2,389	2,322	28	41	82	63	3	5
Mechanics and repairers	3,265	3,280	3,053	3,087	67	74	144	119	--	--
Metal craft workers	1,234	1,199	1,149	1,112	47	56	35	30	4	1
Blue-collar worker supervisors, not elsewhere classified	1,798	1,777	1,555	1,550	224	224	9	3	10	--
All other	2,355	2,387	1,851	1,884	392	436	77	50	35	18
Operatives, except transport	10,310	9,888	5,701	5,472	3,943	3,832	450	447	215	137
Durable goods manufacturing	4,505	4,288	2,785	2,656	1,521	1,458	137	135	62	40
Nondurable goods manufacturing	3,236	3,107	1,279	1,244	1,783	1,726	77	86	97	51
Other industries	2,568	2,493	1,644	1,572	639	648	236	227	57	46
Transport equipment operatives	3,437	3,339	3,001	2,918	279	299	145	112	12	10
Drivers, motor vehicles	2,945	2,849	2,555	2,474	246	269	132	98	13	8
All other	492	490	446	444	33	30	13	15	--	2
Nonfarm laborers	4,253	4,024	2,958	2,867	464	370	751	710	80	77
Construction	719	647	602	539	27	12	89	92	1	4
Manufacturing	988	855	712	665	156	109	72	77	9	4
Other industries	2,586	2,522	1,644	1,662	282	250	590	541	70	69
Service workers	13,008	13,361	4,061	4,155	6,700	7,061	997	898	1,250	1,246
Private household workers	1,058	1,161	25	36	790	861	15	11	228	253
Service workers, except private household	11,949	12,200	4,036	4,119	5,909	6,200	982	887	1,022	993
Food service workers	4,462	4,604	917	953	2,193	2,349	651	605	701	698
Protective service workers	1,415	1,488	1,255	1,319	125	140	22	25	14	4
All other	6,072	6,108	1,864	1,847	3,591	3,711	309	257	307	291
Farm workers	2,499	2,304	1,887	1,821	398	309	179	157	35	16
Farmers and farm managers	1,473	1,396	1,283	1,226	176	148	14	17	--	4
Farm laborers and supervisors	1,026	908	604	595	222	161	165	140	35	12
Paid workers	798	744	568	561	88	70	121	106	21	7
Unpaid family workers	228	164	36	34	134	91	44	34	14	5

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

[Percent distribution]

Occupation and race	Total		Males		Females	
	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981
<b>TOTAL</b>						
Total, 18 years and over (thousands)	97,545	97,442	55,644	55,027	41,900	42,416
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	53.0	53.8	43.2	44.0	66.1	66.5
Professional and technical	16.4	17.1	15.9	16.5	17.2	17.8
Managers and administrators, except farm	11.3	11.3	14.5	14.5	6.9	7.2
Sales workers	6.7	6.8	6.4	6.5	7.2	7.3
Clerical workers	18.6	18.6	6.5	6.6	34.8	34.1
Blue-collar workers	31.1	30.1	44.0	43.2	13.9	13.2
Craft and kindred workers	12.6	12.4	20.6	20.4	2.0	2.1
Operatives, except transport	10.6	10.1	11.1	10.8	9.9	9.4
Transport equipment operatives	3.5	3.4	5.7	5.5	.7	.7
Nonfarm laborers	4.4	4.1	6.7	6.5	1.3	1.1
Service workers	13.3	13.7	9.1	9.2	19.0	19.6
Private household workers	1.1	1.2	.1	.1	2.4	2.6
Other service workers	12.2	12.5	9.0	9.1	16.5	17.0
Farm workers	2.6	2.4	3.7	3.6	1.0	.8
Farmers and farm managers	1.5	1.4	2.3	2.3	.4	.4
Farm laborers and supervisors	1.1	.9	1.4	1.3	.6	.4
<b>White</b>						
Total, 18 years and over (thousands)	86,590	86,515	49,996	49,480	36,594	37,035
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	54.7	55.3	44.9	45.5	68.1	68.4
Professional and technical	16.9	17.5	16.5	17.0	17.4	18.2
Managers and administrators, except farm	12.0	12.0	15.4	15.3	7.3	7.7
Sales workers	7.2	7.3	6.8	6.8	7.7	7.9
Clerical workers	18.7	18.5	6.2	6.4	35.7	34.7
Blue-collar workers	30.5	29.7	43.0	42.4	13.3	12.6
Craft and kindred workers	13.0	12.9	21.0	20.9	2.1	2.1
Operatives, except transport	10.1	9.6	10.7	10.4	9.3	8.7
Transport equipment operatives	3.3	3.3	5.3	5.2	.7	.7
Nonfarm laborers	4.0	3.9	6.1	5.9	1.3	1.1
Service workers	12.1	12.6	8.3	8.4	17.4	18.2
Private household workers	.9	1.0	.1	.1	1.9	2.1
Other service workers	11.3	11.6	8.2	8.3	15.5	16.0
Farm workers	2.7	2.5	3.8	3.7	1.1	.8
Farmers and farm managers	1.7	1.6	2.5	2.5	.5	.4
Farm laborers and supervisors	1.0	.9	1.3	1.3	.6	.4
<b>Black and other</b>						
Total, 18 years and over (thousands)	10,955	10,928	5,648	5,547	5,307	5,381
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	39.8	42.1	28.3	31.4	52.0	53.2
Professional and technical	12.7	13.8	10.3	12.4	15.3	15.3
Managers and administrators, except farm	5.7	5.8	7.1	7.3	4.2	4.2
Sales workers	3.2	3.4	2.5	3.2	3.8	3.7
Clerical workers	18.3	19.1	8.4	8.6	28.8	30.1
Blue-collar workers	35.8	33.7	52.7	49.7	17.8	17.2
Craft and kindred workers	9.5	8.7	17.1	15.7	1.4	1.5
Operatives, except transport	14.3	14.2	14.6	14.3	14.1	14.0
Transport equipment operatives	5.1	4.5	9.1	8.2	.8	.7
Nonfarm laborers	6.9	6.3	12.0	11.4	1.5	1.0
Service workers	22.7	22.8	16.2	16.4	29.7	29.4
Private household workers	2.9	3.0	.2	.2	5.8	5.9
Other service workers	19.8	19.8	16.0	16.2	23.9	23.5
Farm workers	1.7	1.4	2.8	2.4	.5	.3
Farmers and farm managers	.3	.3	.6	.5	.1	.1
Farm laborers and supervisors	1.4	1.1	2.2	2.0	.5	.2

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

[In thousands]

Age and sex	December 1981								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	87,363	1,308	15,524	70,532	6,900	360	1,127	1,518	174
16 to 19 years	6,069	303	386	5,380	105	14	144	28	39
16 to 17 years	2,339	227	101	2,011	51	4	47	13	23
18 to 19 years	3,730	77	284	3,369	54	10	97	15	17
20 to 24 years	12,620	119	1,372	11,129	333	36	237	77	24
25 to 34 years	24,890	178	4,499	20,212	1,671	77	283	275	40
35 to 44 years	17,990	178	3,822	13,990	1,751	69	206	270	25
45 to 54 years	14,118	183	3,068	10,868	1,451	84	134	300	24
55 to 64 years	9,619	208	2,055	7,356	1,037	65	92	345	12
55 to 59 years	5,964	116	1,303	4,546	639	36	56	183	7
60 to 64 years	3,655	93	752	2,810	398	29	36	163	6
65 years and over	2,058	139	323	1,596	552	16	31	223	8
Males, 16 years and over	47,908	150	7,622	40,135	4,744	39	929	1,338	69
16 to 19 years	2,985	46	161	2,778	62	9	126	24	34
16 to 17 years	1,140	37	43	1,060	29	3	43	11	20
18 to 19 years	1,844	8	118	1,718	33	6	83	12	14
20 to 24 years	6,451	28	591	5,833	223	11	196	71	17
25 to 34 years	13,868	25	2,107	11,736	1,092	6	222	246	7
35 to 44 years	9,896	5	1,900	7,991	1,194	1	170	234	2
45 to 54 years	7,982	12	1,595	6,375	1,038	2	116	244	--
55 to 64 years	5,571	13	1,081	4,477	758	7	73	311	3
55 to 59 years	3,450	9	686	2,755	475	5	47	159	1
60 to 64 years	2,121	4	395	1,721	283	2	26	152	1
65 years and over	1,155	22	187	946	377	2	26	207	6
Females, 16 years and over	39,456	1,157	7,902	30,396	2,156	321	198	180	104
16 to 19 years	3,085	257	225	2,602	43	5	18	4	5
16 to 17 years	1,199	189	58	951	22	1	4	1	3
18 to 19 years	1,886	68	167	1,651	21	3	14	3	2
20 to 24 years	6,169	91	782	5,296	111	25	41	5	7
25 to 34 years	11,022	153	2,392	8,477	578	72	61	29	33
35 to 44 years	8,093	173	1,922	5,999	557	67	36	36	23
45 to 54 years	6,136	171	1,473	4,493	414	82	18	55	24
55 to 64 years	4,048	196	973	2,879	279	58	19	34	10
55 to 59 years	2,514	107	616	1,791	164	32	9	24	6
60 to 64 years	1,534	88	357	1,089	115	26	10	11	4
65 years and over	903	117	135	651	175	13	5	16	2

A-24. Employed persons by industry and occupation

[In thousands]

Industry	December 1981											
	Total employed	White-collar workers				Blue-collar workers			Service workers			Farm workers
		Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
Agriculture	2,819	91	44	7	68	71	9	18	192	--	15	2,304
Mining	1,098	161	97	11	147	253	341	54	17	--	18	--
Construction	5,599	177	748	37	467	3,056	256	168	647	--	43	--
Manufacturing	20,691	2,590	1,660	530	2,622	3,964	7,395	731	855	--	344	--
Durable goods	12,492	1,846	951	186	1,574	2,617	4,288	342	504	--	184	--
Nondurable goods	8,199	744	708	344	1,048	1,347	3,107	389	351	--	161	--
Transportation and public utilities	6,531	646	686	95	1,468	1,342	160	1,478	451	--	206	--
Wholesale and retail trade	20,347	484	3,817	4,470	3,576	1,417	869	634	1,258	--	3,822	--
Wholesale trade	3,837	164	834	931	784	340	159	316	268	--	42	--
Retail trade	16,510	320	2,984	3,539	2,792	1,077	710	318	991	--	3,779	--
Finance, insurance, and real estate	6,084	396	1,193	1,333	2,706	123	16	2	40	--	274	--
Services	29,204	11,107	2,124	181	5,240	1,600	791	189	445	1,161	6,365	--
Private households	1,352	12	--	--	16	13	1	3	101	1,161	45	--
Other service industries	27,852	11,095	2,124	181	5,224	1,587	790	186	344	--	6,320	--
Public administration	5,069	992	651	4	1,797	280	50	65	118	--	1,112	--

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

[In thousands]

Reason not working and sex	All industries		Nonagricultural industries					
			Total		Wage and salary workers <sup>1</sup>			
	Dec. 1980				Dec. 1981		Paid absences <sup>2</sup>	
			Dec. 1980	Dec. 1981			Dec. 1980	Dec. 1981
Total, 16 years and over . . . . .	3,458	3,428	3,282	3,290	1,431	1,393	1,353	1,433
Vacation . . . . .	1,099	1,011	1,067	984	732	703	212	204
Illness . . . . .	1,401	1,298	1,362	1,255	534	513	685	626
Bad weather . . . . .	95	124	59	103	--	--	--	--
Industrial dispute . . . . .	49	15	49	13	--	--	--	--
All other reasons . . . . .	813	980	745	934	165	177	456	602
Males, 16 years and over . . . . .	1,992	1,936	1,844	1,818	855	815	665	694
Vacation . . . . .	695	600	669	578	497	441	95	97
Illness . . . . .	759	714	725	679	283	281	352	324
All other reasons <sup>3</sup> . . . . .	538	622	450	560	75	93	219	272
Females, 16 years and over . . . . .	1,466	1,492	1,438	1,472	577	578	688	741
Vacation . . . . .	404	411	399	406	235	263	117	108
Illness . . . . .	642	584	637	576	251	232	333	302
All other reasons <sup>3</sup> . . . . .	420	497	403	490	90	83	237	330

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

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

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

NOTE: Estimates for "all other reasons" by pay status may be biased because of high response variance; data should be used with caution.

### A-26. Persons at work by hours of work and industry

Hours of work	December 1981					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total, 16 years and over . . . . .	94,014	91,334	2,680	100.0	100.0	100.0
1-34 hours . . . . .	23,482	22,676	805	25.0	24.8	30.0
1-4 hours . . . . .	764	715	49	.8	.8	1.8
5-14 hours . . . . .	4,559	4,382	176	4.8	4.8	6.6
15-29 hours . . . . .	11,456	11,053	402	12.2	12.1	15.0
30-34 hours . . . . .	6,703	6,526	178	7.1	7.1	6.6
35 hours and over . . . . .	70,533	68,657	1,876	75.0	75.2	70.0
35-39 hours . . . . .	7,079	6,907	172	7.5	7.6	6.4
40 hours . . . . .	40,329	39,803	526	42.9	43.6	19.6
41 hours and over . . . . .	23,125	21,947	1,178	24.6	24.0	43.9
41 to 48 hours . . . . .	9,266	9,023	243	9.9	9.9	9.1
49 to 59 hours . . . . .	8,001	7,641	360	8.5	8.4	13.4
60 hours and over . . . . .	5,858	5,283	575	6.2	5.8	21.4
Average hours, total at work . . . . .	38.3	38.1	42.4	--	--	--
Average hours, workers on full-time schedules . . . . .	42.9	42.7	49.9	--	--	--

## A-27. Persons at work 1 to 34 hours by reason for working less than 35 hours and usual status

[Numbers in thousands]

Reason for working less than 35 hours	December 1981					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
<b>Total, 18 years and over</b> . . . . .	23,482	6,944	16,538	22,676	6,601	16,076
<b>Economic reasons</b> . . . . .	5,227	2,236	2,991	4,963	2,053	2,910
Slack work . . . . .	2,911	1,950	961	2,682	1,776	906
Material shortages or repairs to plant and equipment . . . . .	50	50	--	50	50	--
New job started during week . . . . .	142	142	--	138	138	--
Job terminated during week . . . . .	94	94	--	90	90	--
Could find only part-time work . . . . .	2,030	--	2,030	2,005	--	2,005
<b>Other reasons</b> . . . . .	18,254	4,707	13,547	17,713	4,547	13,166
Does not want, or unavailable for, full-time work . . . . .	11,507	--	11,507	11,220	--	11,220
Vacation . . . . .	1,029	1,029	--	1,014	1,014	--
Illness . . . . .	2,044	1,861	183	2,003	1,833	170
Bad weather . . . . .	391	391	--	327	327	--
Industrial dispute . . . . .	12	12	--	12	12	--
Legal or religious holiday . . . . .	67	67	--	67	67	--
Full time for this job . . . . .	1,374	--	1,374	1,345	--	1,345
All other reasons . . . . .	1,830	1,347	483	1,724	1,293	431
<b>Average hours:</b>						
Economic reasons . . . . .	22.1	24.5	20.3	22.2	24.7	20.4
Other reasons . . . . .	20.8	26.8	18.7	20.8	26.9	18.7
<b>Worked 30 to 34 hours:</b>						
Economic reasons . . . . .	1,689	1,011	678	1,622	953	669
Other reasons . . . . .	5,014	2,713	2,301	4,904	2,664	2,240

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

[Numbers in thousands]

Industry	December 1981								Average hours, total at work	Average hours, workers on full-time schedules
	Full- or part-time status									
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules						
				Total	40 hours or less	41 to 48 hours	49 hours or more			
<b>Total, 18 years and over</b> <sup>1</sup> . . . . .	91,334	4,963	13,166	73,205	51,258	9,023	12,924	38.1	42.7	
<b>Wage and salary workers</b> . . . . .	84,512	4,349	11,944	68,219	48,864	8,392	10,963	38.0	42.3	
Construction . . . . .	4,340	412	172	3,756	2,812	405	539	38.8	41.6	
Manufacturing . . . . .	19,556	848	552	18,156	13,352	2,528	2,276	40.5	41.8	
Durable goods . . . . .	11,834	341	226	11,267	8,282	1,563	1,422	41.0	41.8	
Nondurable goods . . . . .	7,723	506	326	6,891	5,070	966	855	39.7	41.7	
Transportation and public utilities . . . . .	5,921	215	394	5,312	3,696	653	963	40.9	43.3	
Wholesale and retail trade . . . . .	17,895	1,305	4,667	11,923	7,635	1,778	2,510	35.6	43.3	
Finance, insurance, and real estate . . . . .	5,465	110	521	4,834	3,710	481	643	38.7	41.1	
Service industries . . . . .	25,418	1,349	5,372	18,697	13,631	1,902	3,164	36.0	42.3	
Private households . . . . .	1,281	250	651	380	255	50	75	22.7	43.7	
All other industries . . . . .	24,137	1,099	4,721	18,317	13,376	1,852	3,089	36.7	42.3	
Public administration . . . . .	4,919	85	240	4,594	3,513	496	585	40.0	41.5	
<b>Self-employed workers</b> . . . . .	6,462	601	1,085	4,776	2,260	612	1,904	40.0	47.9	
Unpaid family workers . . . . .	360	15	137	208	132	19	57	35.8	45.5	

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

# HOUSEHOLD DATA

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

(Numbers in thousands)

Sex, age, race, and marital status	December 1981							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
<b>TOTAL</b>								
Both sexes, 16 years and over	91,334	4,963	13,166	73,205	51,258	21,947	38.1	42.7
16 to 21 years	10,689	966	4,543	5,180	4,070	1,110	28.8	40.9
16 to 19 years	6,003	551	3,450	2,002	1,635	367	24.5	40.2
16 to 17 years	2,334	93	2,011	230	193	37	17.5	38.9
18 to 19 years	3,669	458	1,439	1,772	1,441	331	29.0	40.4
20 years and over	85,331	4,411	9,717	71,203	49,622	21,581	39.1	42.7
20 to 24 years	12,618	979	2,054	5,585	7,104	2,481	36.7	41.9
25 years and over	72,713	3,432	7,663	61,618	42,520	19,098	39.4	42.9
25 to 44 years	45,008	2,160	3,957	38,891	26,433	12,458	39.9	43.0
45 to 64 years	25,228	1,178	2,503	21,547	15,261	6,286	39.5	42.7
65 years and over	2,477	94	1,203	1,180	825	355	29.4	43.0
<b>Males, 16 years and over</b>	<b>50,873</b>	<b>2,296</b>	<b>3,816</b>	<b>44,761</b>	<b>28,255</b>	<b>16,506</b>	<b>41.1</b>	<b>44.0</b>
16 to 21 years	5,332	483	2,020	2,829	2,094	735	30.7	41.8
16 to 19 years	2,952	267	1,591	1,094	845	249	26.2	41.1
16 to 17 years	1,133	52	943	138	109	29	18.8	39.4
18 to 19 years	1,819	215	647	957	737	220	30.8	41.4
20 years and over	47,921	2,030	2,226	43,665	27,409	16,256	42.0	44.1
20 to 24 years	6,519	472	782	5,265	3,576	1,689	38.8	43.1
25 years and over	41,402	1,559	1,443	38,400	23,832	14,568	42.6	44.2
25 to 44 years	25,328	949	467	23,912	14,450	9,462	43.2	44.5
45 to 64 years	14,627	559	345	13,723	8,871	4,852	42.5	43.9
65 years and over	1,447	50	631	766	514	252	30.6	42.8
<b>Females, 16 years and over</b>	<b>40,461</b>	<b>2,667</b>	<b>9,350</b>	<b>28,444</b>	<b>23,002</b>	<b>5,442</b>	<b>34.3</b>	<b>40.5</b>
16 to 21 years	5,357	483	2,524	2,350	1,974	376	26.9	39.7
16 to 19 years	3,051	285	1,859	907	789	118	22.9	39.2
16 to 17 years	1,201	42	1,067	92	85	7	16.4	38.1
18 to 19 years	1,850	243	791	816	706	110	27.2	39.3
20 years and over	37,410	2,382	7,491	27,537	22,214	5,323	35.3	40.6
20 to 24 years	6,099	508	1,272	4,319	3,526	793	34.6	40.4
25 years and over	31,312	1,872	6,220	23,220	18,690	4,530	35.3	40.6
25 to 44 years	19,679	1,211	3,490	14,978	11,944	2,994	35.7	40.6
45 to 64 years	10,601	619	2,158	7,824	6,390	1,434	35.4	40.6
65 years and over	1,030	43	572	415	313	102	27.7	43.3
<b>RACE</b>								
White	81,012	4,126	12,123	64,763	44,241	20,522	38.2	42.9
Males	45,713	1,935	3,493	40,285	24,742	15,543	41.4	44.3
Females	35,299	2,192	8,630	24,477	19,499	4,978	34.2	40.7
Black and other	10,322	837	1,044	8,441	7,016	1,425	37.1	40.9
Males	5,160	363	323	4,474	3,512	962	39.0	41.8
Females	5,162	474	720	3,968	3,505	463	35.2	39.8
<b>MARITAL STATUS</b>								
<b>Males, 16 years and over:</b>								
Married, spouse present	34,753	1,178	1,090	32,485	19,876	12,609	42.8	44.4
Widowed, divorced, or separated	4,475	257	186	4,032	2,565	1,467	41.5	43.8
Single (never married)	11,645	863	2,541	8,241	5,811	2,430	35.8	42.8
<b>Females, 16 years and over:</b>								
Married, spouse present	22,331	1,348	5,373	15,610	12,871	2,739	34.3	40.3
Widowed, divorced, or separated	8,068	585	1,113	6,370	4,949	1,421	37.0	41.1
Single (never married)	10,063	734	2,863	6,466	5,185	1,281	32.3	40.5



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

[Numbers in thousands]

Occupation and sex	December 1981								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hour, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
<b>Total, 16 years and over</b>	<b>91,816</b>	<b>5,003</b>	<b>13,253</b>	<b>73,560</b>	<b>51,470</b>	<b>9,060</b>	<b>13,030</b>	<b>38.1</b>	<b>42.7</b>
White-collar workers	50,877	1,521	7,183	42,173	28,590	5,036	8,547	39.0	43.0
Professional and technical	16,179	360	1,820	13,999	9,231	1,797	2,971	40.0	43.3
Managers and administrators, except farm	10,690	162	534	9,994	5,116	1,372	3,506	44.7	46.4
Sales workers	6,431	333	1,578	4,520	2,689	663	1,168	36.6	43.9
Clerical workers	17,578	666	3,251	13,661	11,555	1,205	901	35.6	40.0
Blue-collar workers	28,020	2,140	1,923	23,957	17,218	3,254	3,485	39.2	42.3
Craft and kindred workers	11,588	688	408	10,492	7,175	1,572	1,745	40.5	42.6
Operatives, except transport	9,448	765	530	8,153	6,379	1,004	770	38.9	41.3
Transport equipment operatives	3,172	240	277	2,655	1,564	400	691	40.8	44.8
Nonfarm laborers	3,812	446	708	2,658	2,102	278	278	34.7	41.4
Service workers	12,919	1,342	4,147	7,430	5,662	770	998	32.1	42.1
Private household	1,136	208	586	342	230	49	63	22.6	43.4
Other service workers	11,783	1,134	3,560	7,089	5,433	721	935	33.0	42.1
<b>Males, 16 years and over</b>	<b>51,207</b>	<b>2,328</b>	<b>3,855</b>	<b>45,024</b>	<b>28,409</b>	<b>6,218</b>	<b>10,397</b>	<b>41.1</b>	<b>44.0</b>
White-collar workers	23,636	487	1,433	21,716	12,190	2,957	6,569	43.2	45.4
Professional and technical	8,892	135	459	8,298	5,016	1,056	2,226	43.0	44.7
Managers and administrators, except farm	7,741	126	222	7,393	3,407	1,045	2,941	46.2	47.4
Sales workers	3,470	111	373	2,986	1,506	488	992	41.9	45.5
Clerical workers	3,532	116	378	3,038	2,259	369	410	38.8	42.0
Blue-collar workers	22,674	1,517	1,311	19,846	13,797	2,819	3,230	40.0	42.7
Craft and kindred workers	10,744	638	283	9,823	6,712	1,458	1,653	40.8	42.7
Operatives, except transport	5,671	290	266	5,115	3,767	715	633	40.3	42.2
Transport equipment operatives	2,876	204	153	2,519	1,449	385	685	42.2	45.1
Nonfarm laborers	3,384	385	608	2,391	1,872	260	259	35.0	41.6
Service workers	4,897	324	1,111	3,462	2,422	442	598	35.9	43.3
Private household	47	13	15	19	15	2	2	22.3	39.7
Other service workers	4,850	310	1,095	3,445	2,409	440	596	36.1	43.3
<b>Females, 16 years and over</b>	<b>40,610</b>	<b>2,677</b>	<b>9,399</b>	<b>28,534</b>	<b>23,059</b>	<b>2,843</b>	<b>2,632</b>	<b>34.3</b>	<b>40.5</b>
White-collar workers	27,242	1,035	5,750	20,457	16,399	2,080	1,978	35.4	40.5
Professional and technical	7,288	226	1,361	5,701	4,214	741	746	36.4	41.3
Managers and administrators, except farm	2,948	38	312	2,598	1,706	327	565	40.9	43.5
Sales workers	2,960	221	1,205	1,534	1,182	176	176	30.4	40.9
Clerical workers	14,045	550	2,872	10,623	9,297	835	491	34.8	39.4
Blue-collar workers	5,346	623	613	4,110	3,420	435	255	35.9	40.1
Craft and kindred workers	844	50	125	669	463	114	92	37.0	41.9
Operatives, except transport	3,777	474	264	3,039	2,613	289	137	36.6	39.8
Transport equipment operatives	296	36	124	136	115	15	6	27.3	38.0
Nonfarm laborers	428	63	100	265	227	18	20	33.0	40.4
Service workers	8,022	1,019	3,036	3,967	3,240	328	399	29.7	41.1
Private household	1,089	195	571	323	216	46	61	22.6	43.6
Other service workers	6,932	825	2,465	3,642	3,022	281	339	30.8	40.9

# HOUSEHOLD DATA

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

[Numbers in thousands]

Employment status	December 1981								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,178	3,651	3,526	5,942	3,031	2,911	1,236	620	616
Civilian labor force	1,125	527	598	1,065	498	566	60	29	31
Employed	977	444	533	936	425	511	41	19	22
Agriculture	70	57	14	71	57	14	--	--	--
Nonagricultural industries	907	388	519	865	368	497	41	19	22
Unemployed	148	83	65	129	73	55	19	10	9
Unemployment rate	13.2	15.8	10.9	12.1	14.7	9.7	(1)	(1)	(1)
Not in labor force	6,053	3,124	2,928	4,877	2,533	2,344	1,176	591	584
Keeping house	26	2	25	22	3	19	4	--	6
Going to school	5,954	3,091	2,863	4,794	2,504	2,290	1,160	587	573
Unable to work	3	--	3	2	--	2	1	--	1
All other reasons	69	31	37	59	26	33	10	5	5

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

## A-32. Employed 14- and 15-year-olds by class of worker, occupation, and sex

Class of worker and occupation	December 1981					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
<b>CLASS OF WORKER</b>						
<b>Total</b>	977	444	533	100.0	100.0	100.0
Nonagricultural industries	907	388	519	92.8	87.4	97.2
Wage and salary workers	818	324	494	83.7	73.0	92.5
Private household workers	355	50	305	36.3	11.3	57.1
Government workers	30	16	14	3.1	3.6	2.6
Other wage and salary workers	433	258	176	44.3	58.1	33.0
Self-employed workers	80	58	22	8.2	13.1	4.1
Unpaid family workers	9	6	3	.9	1.4	.6
Agriculture	70	57	14	7.2	12.8	2.6
Wage and salary workers	34	30	4	3.5	6.8	.7
Self-employed workers	7	6	1	.7	1.4	.2
Unpaid family workers	29	20	9	3.0	4.5	1.7
<b>OCCUPATION</b>						
<b>Total</b>	977	444	533	100.0	100.0	100.0
White-collar workers	293	187	106	30.0	42.1	19.9
Professional and technical	15	3	12	1.5	.7	2.3
Managers and administrators, except farm	6	5	--	.6	1.1	--
Sales workers	226	163	63	23.1	36.7	11.8
Clerical workers	47	16	30	4.8	3.6	5.6
Blue-collar workers	106	84	22	10.8	18.9	4.1
Craft and kindred workers	12	9	3	1.2	2.0	.6
Operatives, except transport	23	13	10	2.4	2.9	1.9
Transport equipment operatives	1	1	--	.1	.2	--
Nonfarm laborers	70	61	9	7.2	13.7	1.7
Service workers	517	123	394	52.9	27.7	74.1
Private household workers	336	28	308	34.4	6.3	57.9
Other service workers	181	95	86	18.5	21.4	16.2
Farm workers	61	50	11	6.2	11.3	2.1
Farmers and farm managers	4	4	1	.4	.9	.2
Farm laborers and supervisors	56	46	10	5.7	10.4	1.9

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

[Numbers in thousands]

Employment status, sex, and age	1981												
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>TOTAL</b>													
Total noninstitutional population <sup>1</sup> .....	167,396	167,585	167,747	167,902	168,071	168,272	168,480	168,685	168,855	169,049	169,252	169,435	169,605
Armed Forces <sup>1</sup> .....	2,124	2,125	2,121	2,128	2,129	2,127	2,131	2,139	2,160	2,165	2,158	2,158	2,164
Civilian noninstitutional population <sup>1</sup> .....	165,272	165,460	165,627	165,774	165,941	166,145	166,349	166,546	166,695	166,884	167,095	167,277	167,441
Civilian labor force .....	105,067	105,543	105,681	106,177	106,722	107,406	106,176	106,464	106,602	106,236	106,736	107,029	106,650
Percent of civilian population .....	63.6	63.8	63.8	64.0	64.3	64.6	63.8	63.9	64.0	63.7	63.9	64.0	63.7
Employed .....	97,282	97,696	97,927	98,412	98,976	99,235	98,392	98,962	98,944	98,270	98,217	98,025	97,188
Percent of total population .....	58.1	58.3	58.4	58.6	58.9	59.0	58.4	58.7	58.6	58.1	58.0	57.9	57.3
Agriculture .....	3,394	3,403	3,281	3,276	3,463	3,353	3,265	3,258	3,370	3,310	3,337	3,363	3,115
Nonagricultural industries .....	93,888	94,294	94,646	95,136	95,513	95,882	95,127	95,704	95,574	94,959	94,880	94,662	94,072
Unemployed .....	7,785	7,847	7,754	7,764	7,746	8,171	7,784	7,502	7,657	7,966	8,520	9,004	9,462
Unemployment rate .....	7.4	7.4	7.3	7.3	7.3	7.6	7.3	7.0	7.2	7.5	8.0	8.4	8.9
Not in labor force .....	60,205	59,917	59,946	59,598	59,219	58,739	60,173	60,082	60,093	60,648	60,359	60,248	60,791
<b>Males, 20 years and over</b>													
Total noninstitutional population <sup>1</sup> .....	71,875	71,980	72,070	72,155	72,249	72,359	72,474	72,586	72,687	72,798	72,915	73,020	73,121
Civilian noninstitutional population <sup>1</sup> .....	70,198	70,320	70,413	70,481	70,574	70,687	70,788	70,894	70,978	71,086	71,208	71,331	71,427
Civilian labor force .....	55,470	55,443	55,445	55,816	56,013	56,395	55,876	55,957	56,045	56,063	56,100	56,194	56,326
Percent of civilian population .....	79.0	78.8	78.7	79.2	79.4	79.8	78.9	78.9	79.0	78.9	78.8	78.8	78.9
Employed .....	52,045	52,091	52,134	52,511	52,750	52,849	52,451	52,811	52,724	52,608	52,327	52,151	51,841
Percent of total population .....	72.4	72.4	72.3	72.8	73.0	73.0	72.4	72.8	72.5	72.3	71.8	71.4	70.9
Agriculture .....	2,331	2,378	2,289	2,296	2,409	2,349	2,320	2,329	2,402	2,343	2,388	2,358	2,256
Nonagricultural industries .....	49,714	49,713	49,844	50,215	50,342	50,500	50,131	50,482	50,323	50,264	49,939	49,794	49,585
Unemployed .....	3,425	3,352	3,312	3,305	3,262	3,546	3,425	3,147	3,321	3,455	3,773	4,043	4,485
Unemployment rate .....	6.2	6.0	6.0	5.9	5.8	6.3	6.1	5.6	5.9	6.2	6.7	7.2	8.0
Not in labor force .....	14,728	14,877	14,968	14,665	14,561	14,292	14,912	14,937	14,933	15,023	15,108	15,137	15,101
<b>Females, 20 years and over</b>													
Total noninstitutional population <sup>1</sup> .....	79,097	79,212	79,315	79,415	79,522	79,642	79,766	79,889	79,999	80,122	80,248	80,366	80,477
Civilian noninstitutional population <sup>1</sup> .....	78,959	79,071	79,175	79,271	79,377	79,498	79,617	79,739	79,848	79,968	80,095	80,211	80,321
Civilian labor force .....	40,570	40,942	41,090	41,293	41,481	41,852	41,743	41,879	41,857	41,395	41,911	42,113	41,883
Percent of civilian population .....	51.4	51.8	51.9	52.1	52.3	52.6	52.4	52.5	52.4	51.8	52.3	52.5	52.1
Employed .....	37,820	38,191	38,410	38,567	38,760	39,014	39,011	39,082	39,155	38,576	38,958	39,050	38,737
Percent of total population .....	47.8	48.2	48.4	48.6	48.7	49.0	48.9	48.9	48.9	48.1	48.5	48.6	48.1
Agriculture .....	665	621	615	606	603	583	562	575	601	603	583	655	548
Nonagricultural industries .....	37,155	37,570	37,794	37,961	38,157	38,431	38,449	38,507	38,554	37,973	38,376	38,395	38,190
Unemployed .....	2,750	2,750	2,680	2,725	2,721	2,838	2,731	2,797	2,701	2,819	2,953	3,062	3,145
Unemployment rate .....	6.8	6.7	6.5	6.6	6.6	6.8	6.5	6.7	6.5	6.8	7.0	7.3	7.5
Not in labor force .....	38,389	38,129	38,085	37,978	37,896	37,646	37,874	37,860	37,991	38,573	38,184	38,098	38,438
<b>Both sexes, 16-19 years</b>													
Total noninstitutional population <sup>1</sup> .....	16,424	16,393	16,362	16,331	16,300	16,270	16,240	16,210	16,169	16,129	16,089	16,049	16,008
Civilian noninstitutional population <sup>1</sup> .....	16,114	16,069	16,039	16,022	15,991	15,961	15,944	15,913	15,869	15,831	15,792	15,735	15,693
Civilian labor force .....	9,027	9,158	9,146	9,068	9,228	9,159	8,558	8,628	8,700	8,778	8,724	8,722	8,441
Percent of civilian population .....	56.0	57.0	57.0	56.6	57.7	57.4	53.7	54.2	54.8	55.4	55.2	55.4	53.8
Employed .....	7,417	7,414	7,384	7,334	7,465	7,372	6,930	7,069	7,065	7,086	6,931	6,823	6,609
Percent of total population .....	45.2	45.2	45.1	44.9	45.8	45.3	42.7	43.6	43.7	43.9	43.1	42.5	41.3
Agriculture .....	398	404	376	374	451	421	383	354	368	364	366	350	312
Nonagricultural industries .....	7,019	7,010	7,008	6,960	7,014	6,951	6,547	6,715	6,697	6,722	6,565	6,473	6,297
Unemployed .....	1,610	1,744	1,762	1,734	1,763	1,787	1,628	1,559	1,635	1,692	1,793	1,899	1,832
Unemployment rate .....	17.8	19.0	19.3	19.1	19.1	19.5	19.0	18.1	18.8	19.3	20.6	21.8	21.7
Not in labor force .....	7,087	6,911	6,893	6,954	6,763	6,802	7,386	7,285	7,169	7,053	7,068	7,013	7,252

<sup>1</sup> The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-33 through A-42 will not necessarily add to totals, because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-34. Full- and part-time status of the civilian labor force, seasonally adjusted**

(Numbers in thousands)

Full- and part-time status	1980		1981										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>FULL TIME</b>													
Total, 16 years and over:													
Civilian labor force	90,040	90,393	90,239	90,556	90,938	91,763	90,448	91,019	90,612	90,834	91,340	91,619	91,697
Employed	83,491	83,933	83,844	84,149	84,645	85,073	84,126	84,918	84,510	84,328	84,311	84,216	83,679
Unemployed	6,549	6,460	6,396	6,407	6,293	6,690	6,322	6,101	6,102	6,506	7,029	7,403	8,018
Unemployment rate	7.3	7.1	7.1	7.1	6.9	7.3	7.0	6.7	6.7	7.2	7.7	8.1	8.7
<b>PART TIME</b>													
Total, 16 years and over:													
Civilian labor force	15,023	15,166	15,410	15,504	15,805	15,693	15,780	15,446	15,925	15,334	15,401	15,430	14,989
Employed	13,798	13,775	14,005	14,108	14,376	14,171	14,325	14,008	14,376	13,867	13,938	13,850	13,616
Unemployed	1,225	1,390	1,405	1,396	1,429	1,522	1,455	1,439	1,549	1,467	1,463	1,580	1,373
Unemployment rate	8.2	9.2	9.1	9.0	9.0	9.7	9.2	9.3	9.7	9.6	9.5	10.2	9.2

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

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

(Numbers in thousands)

Race, sex, and age	1980		1981										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>WHITE</b>													
Total, 16 years and over:													
Civilian labor force	92,383	92,832	93,035	93,313	93,860	94,506	93,464	93,767	93,789	93,355	93,845	94,045	93,658
Employed	86,377	86,620	86,940	87,291	87,791	88,083	87,500	87,979	88,046	87,329	87,344	87,058	86,312
Unemployed	6,006	6,213	6,095	6,022	6,069	6,422	5,964	5,787	5,743	6,026	6,501	6,987	7,346
Unemployment rate	6.5	6.7	6.6	6.5	6.5	6.8	6.4	6.2	6.1	6.5	6.9	7.4	7.8
Males, 20 years and over:													
Civilian labor force	49,449	49,426	49,420	49,695	49,947	50,227	49,878	49,952	49,898	49,888	49,932	50,010	50,100
Employed	46,728	46,704	46,757	47,030	47,330	47,427	47,217	47,501	47,338	47,231	46,983	46,837	46,567
Unemployed	2,721	2,722	2,664	2,664	2,618	2,799	2,661	2,451	2,561	2,658	2,949	3,173	3,533
Unemployment rate	5.5	5.5	5.4	5.4	5.2	5.6	5.3	4.9	5.1	5.3	5.9	6.3	7.1
Females, 20 years and over:													
Civilian labor force	34,910	35,313	35,423	35,529	35,727	36,149	35,980	36,106	36,047	35,643	36,180	36,275	36,058
Employed	32,858	33,180	33,421	33,539	33,679	33,987	33,935	34,011	34,087	33,603	33,990	33,963	33,690
Unemployed	2,052	2,133	2,002	1,990	2,048	2,162	2,045	2,095	1,960	2,040	2,190	2,313	2,368
Unemployment rate	5.9	6.0	5.7	5.6	5.7	6.0	5.7	5.8	5.4	5.7	6.1	6.4	6.6
Both sexes, 16 to 19 years:													
Civilian labor force	8,024	8,093	8,191	8,089	8,186	8,130	7,606	7,709	7,843	7,823	7,733	7,760	7,500
Employed	6,791	6,735	6,762	6,721	6,782	6,669	6,348	6,467	6,621	6,495	6,371	6,259	6,055
Unemployed	1,233	1,358	1,429	1,368	1,404	1,461	1,258	1,242	1,222	1,328	1,362	1,501	1,445
Unemployment rate	15.4	16.8	17.4	16.9	17.2	18.0	16.5	16.1	15.6	17.0	17.6	19.3	19.3
<b>BLACK AND OTHER</b>													
Total, 16 years and over:													
Civilian labor force	12,668	12,684	12,598	12,765	12,899	12,895	12,741	12,658	12,793	12,872	12,913	12,951	12,969
Employed	10,895	11,051	10,942	11,020	11,193	11,138	10,928	10,939	10,877	10,924	10,905	10,944	10,883
Unemployed	1,773	1,634	1,655	1,745	1,706	1,757	1,813	1,719	1,916	1,948	2,008	2,007	2,086
Unemployment rate	14.0	12.9	13.1	13.7	13.2	13.6	14.2	13.6	15.0	15.1	15.5	15.5	16.1
Males, 20 years and over:													
Civilian labor force	6,015	5,996	6,007	6,072	6,081	6,153	6,046	6,028	6,136	6,170	6,157	6,148	6,179
Employed	5,315	5,367	5,355	5,414	5,437	5,425	5,288	5,326	5,373	5,366	5,337	5,289	5,246
Unemployed	700	628	651	658	644	727	758	702	763	804	820	859	933
Unemployment rate	11.6	10.5	10.8	10.8	10.6	11.8	12.5	11.6	12.4	13.0	13.3	14.0	15.1
Females, 20 years and over:													
Civilian labor force	5,654	5,638	5,645	5,708	5,764	5,724	5,759	5,729	5,751	5,767	5,787	5,837	5,847
Employed	4,956	5,016	4,976	4,988	5,083	5,036	5,065	5,040	5,012	4,974	5,015	5,088	5,067
Unemployed	698	621	669	720	681	688	694	689	739	793	772	749	780
Unemployment rate	12.3	11.0	11.9	12.6	11.8	12.0	12.0	12.0	12.8	13.7	13.3	12.8	13.3
Both sexes, 16 to 19 years:													
Civilian labor force	999	1,051	946	985	1,054	1,018	936	901	906	935	970	966	943
Employed	624	667	611	618	673	676	575	573	492	584	554	567	570
Unemployed	375	384	335	367	381	342	361	328	414	351	416	399	373
Unemployment rate	37.5	36.5	35.4	37.3	36.1	33.6	38.6	36.4	45.7	37.5	42.9	41.3	39.6

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

[Unemployment rates]

Category	1980	1981											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>CHARACTERISTIC</b>													
Total (all civilian workers)	7.4	7.4	7.3	7.3	7.3	7.6	7.3	7.0	7.2	7.5	8.0	8.4	8.9
Males, 20 years and over	6.2	6.0	6.0	5.9	5.8	6.3	6.1	5.6	5.9	6.2	6.7	7.2	8.0
Females, 20 years and over	6.8	6.7	6.5	6.6	6.6	6.8	6.5	6.7	6.5	6.8	7.0	7.3	7.5
Both sexes, 16-19 years	17.8	19.0	19.3	19.1	19.1	19.5	19.0	18.1	18.8	19.3	20.6	21.8	21.7
White	6.5	6.7	6.6	6.5	6.5	6.8	6.4	6.2	6.1	6.5	6.9	7.4	7.8
Black and other	14.0	12.9	13.1	13.7	13.2	13.6	14.2	13.6	15.0	15.1	15.5	15.5	16.1
Married men, spouse present	4.3	4.2	4.1	4.1	3.8	4.1	4.2	3.9	3.9	4.3	4.7	5.1	5.8
Married women, spouse present	5.8	6.2	5.8	6.0	5.9	5.9	5.6	5.6	5.3	5.9	6.1	6.6	6.7
Women who maintain families	10.4	10.5	9.6	9.4	9.8	10.3	10.6	11.5	9.8	10.6	10.7	10.9	10.6
Full-time workers	7.3	7.1	7.1	7.1	6.9	7.3	7.0	6.7	6.7	7.2	7.7	8.1	8.7
Part-time workers	8.2	9.2	9.1	9.0	9.0	9.7	9.2	9.3	9.7	9.6	9.5	10.2	9.2
Unemployed 15 weeks and over <sup>1</sup>	2.3	2.2	2.1	2.1	2.0	2.0	2.2	2.0	2.1	2.1	2.1	2.2	2.2
Labor force time lost <sup>2</sup>	8.2	8.2	8.1	8.1	8.2	8.6	8.0	7.9	7.9	8.5	9.1	9.4	10.1
<b>OCCUPATION</b>													
White-collar workers	4.0	3.9	3.7	3.9	4.0	4.1	3.8	4.1	3.9	4.1	4.1	4.2	4.6
Professional and technical	2.6	2.8	2.6	2.7	3.2	2.9	2.8	2.8	2.4	2.8	2.6	2.7	3.5
Managers and administrators, except farm	2.5	2.4	2.4	2.6	2.4	2.7	2.8	2.7	2.8	2.7	2.7	3.0	3.1
Sales workers	4.7	4.4	4.0	3.8	4.0	4.6	4.1	5.1	4.7	5.2	4.9	5.2	4.9
Clerical workers	5.8	5.7	5.3	5.9	5.6	5.6	5.3	5.7	5.6	5.7	6.1	6.1	6.3
Blue-collar workers	10.5	10.2	10.1	9.8	9.6	10.0	9.8	9.4	9.3	10.2	11.0	11.8	12.9
Craft and kindred workers	7.1	6.8	7.2	7.1	6.8	7.7	7.2	6.7	6.9	7.6	8.4	8.4	9.5
Operatives, except transport	12.9	12.1	11.9	11.3	11.5	11.9	11.0	11.1	11.0	11.5	12.8	14.2	15.6
Transport equipment operatives	8.8	9.1	8.3	9.3	8.1	8.2	8.4	6.9	7.9	8.9	7.9	10.7	10.4
Nonfarm laborers	14.8	15.0	14.9	14.1	13.8	13.1	14.8	14.2	12.9	14.4	15.7	16.2	17.2
Service workers	7.8	8.0	8.7	8.1	8.5	9.4	9.0	8.0	8.9	8.9	9.3	9.8	9.4
Farm workers	4.0	5.0	4.7	5.1	3.7	5.4	6.0	4.5	5.6	3.7	6.1	6.1	6.2
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers <sup>3</sup>	7.7	7.5	7.5	7.3	7.2	7.8	7.4	7.2	7.2	7.6	8.1	8.5	9.2
Construction	13.8	13.3	13.2	14.7	14.4	16.3	16.6	15.0	16.7	16.3	18.0	18.2	18.1
Manufacturing	8.8	8.4	8.4	8.0	7.4	7.9	7.6	7.3	7.0	7.8	8.6	9.4	11.0
Durable goods	9.0	8.3	8.5	7.9	7.3	7.3	7.4	7.3	6.4	7.6	8.6	9.4	11.8
Nondurable goods	8.5	8.5	8.2	8.3	7.6	8.9	7.8	7.3	7.9	8.0	8.6	9.5	9.7
Transportation	4.9	5.8	5.5	6.4	5.7	5.9	4.7	4.0	4.8	4.0	4.6	5.5	6.2
Wholesale and retail trade	8.3	7.6	7.6	7.3	7.3	8.4	7.5	7.9	7.8	8.6	8.3	8.7	9.1
Finance and service industries	5.5	5.8	6.0	5.6	5.9	5.9	5.8	5.6	5.6	5.9	6.3	6.1	6.5
Government workers	4.1	4.4	4.3	4.6	4.9	4.8	4.5	4.5	4.4	4.6	4.6	5.3	5.0
Agricultural wage and salary workers	10.6	11.5	12.1	11.9	9.1	11.1	13.1	10.3	12.6	10.6	13.3	14.4	14.7

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

as a percent of potentially available labor force hours.

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

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

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

[Numbers in thousands]

Weeks of unemployment	1980	1981											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>DURATION</b>													
Less than 5 weeks	3,115	3,259	3,203	3,209	3,074	3,369	3,172	3,187	3,161	3,383	3,652	3,815	4,067
5 to 14 weeks	2,217	2,264	2,324	2,356	2,462	2,581	2,360	2,196	2,345	2,489	2,605	2,861	3,052
15 weeks and over	2,378	2,358	2,250	2,192	2,105	2,168	2,315	2,100	2,194	2,212	2,251	2,330	2,338
15 to 26 weeks	1,231	1,079	992	1,013	1,001	1,022	1,205	1,068	1,059	1,151	1,156	1,213	1,157
27 weeks and over	1,147	1,279	1,257	1,179	1,104	1,146	1,110	1,032	1,135	1,061	1,095	1,117	1,181
Average (mean) duration, in weeks	13.5	14.4	14.4	14.0	13.7	13.2	14.2	13.9	14.5	13.7	13.7	13.2	12.8
Median duration, in weeks	7.3	7.4	6.9	7.0	7.7	7.1	6.7	7.0	7.0	7.0	6.7	6.9	6.6
<b>PERCENT DISTRIBUTION</b>													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	40.4	41.3	41.2	41.4	40.2	41.5	40.4	42.6	41.0	41.8	42.9	42.4	43.0
5 to 14 weeks	28.8	28.7	29.9	30.4	32.2	31.8	30.1	29.3	30.5	30.8	30.6	31.8	32.3
15 weeks and over	30.8	29.9	28.9	28.3	27.6	26.7	29.5	28.1	28.5	27.4	26.5	25.9	24.7
15 to 26 weeks	16.0	13.7	12.8	13.1	13.1	12.6	15.4	14.3	13.8	14.2	13.6	13.5	12.2
27 weeks and over	14.9	16.2	16.2	15.2	14.5	14.1	14.1	13.8	14.7	13.1	12.9	12.4	12.5

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

Sex and age	1980	1981											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total, 16 years and over</b> .....	7.4	7.4	7.3	7.3	7.3	7.6	7.3	7.0	7.2	7.5	8.0	8.4	8.9
16 to 19 years .....	17.8	19.0	19.3	19.1	19.1	19.5	19.0	18.1	18.8	19.3	20.6	21.8	21.7
16 to 17 years .....	19.9	21.0	21.4	21.3	22.0	21.6	22.6	19.3	20.5	21.2	21.4	23.1	22.1
18 to 19 years .....	16.4	17.5	17.9	17.7	17.2	18.2	17.3	17.7	17.4	18.1	19.9	20.7	21.4
20 to 24 years .....	11.7	11.9	11.8	11.7	12.1	12.9	12.1	11.3	11.8	12.1	12.8	13.0	13.7
25 years and over .....	5.3	5.3	5.1	5.2	5.0	5.3	5.2	5.1	5.1	5.4	5.8	6.1	6.5
25 to 54 years .....	5.8	5.7	5.5	5.5	5.4	5.6	5.6	5.4	5.4	5.8	6.1	6.6	7.1
55 years and over .....	3.5	3.5	3.6	3.7	3.3	3.3	3.4	3.5	3.5	3.8	3.9	3.7	4.2
<b>Males, 16 years and over</b> .....	7.2	7.2	7.1	7.0	6.9	7.4	7.1	6.6	7.0	7.2	7.7	8.3	9.1
16 to 19 years .....	19.0	20.3	20.1	19.5	19.3	20.2	19.8	18.4	19.7	19.3	19.7	22.0	22.8
16 to 17 years .....	20.5	23.0	22.1	21.1	22.7	22.7	24.4	19.8	21.5	21.2	20.6	23.0	23.0
18 to 19 years .....	17.8	18.5	18.7	18.6	17.0	18.3	18.1	17.8	18.1	18.1	19.1	21.2	22.6
20 to 24 years .....	12.5	12.8	12.7	13.0	13.2	14.2	12.8	11.3	12.7	12.9	13.9	14.6	14.9
25 years and over .....	4.9	4.9	4.8	4.7	4.6	4.8	5.0	4.7	4.8	5.0	5.5	5.8	6.5
25 to 54 years .....	5.4	5.2	5.2	5.1	4.9	5.1	5.3	4.9	5.0	5.5	5.9	6.4	7.1
55 years and over .....	3.3	3.4	3.4	3.2	3.1	3.4	3.5	3.4	3.4	3.5	3.8	3.6	4.5
<b>Females, 16 years and over</b> .....	7.7	7.7	7.6	7.7	7.7	7.9	7.6	7.7	7.5	7.9	8.3	8.5	8.6
16 to 19 years .....	16.5	17.5	18.4	18.7	18.9	18.7	18.2	17.7	17.8	19.3	21.5	21.5	20.4
16 to 17 years .....	19.3	18.7	20.5	21.6	21.1	20.4	20.6	18.7	19.5	21.1	22.4	23.3	20.9
18 to 19 years .....	14.8	16.4	17.0	16.5	17.4	18.2	16.4	17.5	16.8	18.1	20.8	20.1	20.0
20 to 24 years .....	10.8	10.8	10.8	10.1	10.9	11.4	11.2	11.3	10.8	11.2	11.5	11.2	12.2
25 years and over .....	5.9	5.8	5.6	5.9	5.6	5.9	5.6	5.7	5.5	5.9	6.1	6.4	6.5
25 to 54 years .....	6.3	6.3	5.9	6.2	6.0	6.4	6.0	6.1	5.9	6.3	6.5	6.9	7.0
55 years and over .....	3.9	3.6	3.9	4.5	3.7	3.3	3.3	3.7	3.6	4.4	4.1	3.8	3.8

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

[Numbers in thousands]

Reason for unemployment	1980	1981											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>NUMBER OF UNEMPLOYED</b>													
<b>Both sexes, 16 years and over:</b>													
Job losers .....	4,226	3,847	3,896	3,846	3,819	4,084	4,219	3,691	3,929	4,338	4,422	4,786	5,307
On layoff .....	1,470	1,258	1,267	1,299	1,280	1,368	1,367	1,178	1,205	1,412	1,607	1,790	2,064
Other job losers .....	2,756	2,590	2,629	2,547	2,539	2,715	2,852	2,513	2,724	2,925	2,815	2,996	3,243
Job leavers .....	813	907	884	863	854	1,009	863	898	838	889	962	886	877
Reentrants .....	1,869	2,039	1,970	2,040	2,017	2,126	1,955	2,022	1,939	1,949	2,172	2,311	2,199
New entrants .....	868	1,000	928	986	987	938	956	873	944	953	987	977	1,017
<b>PERCENT DISTRIBUTION</b>													
<b>Total unemployed</b> .....	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 .....	54.3	49.4	50.7	49.7	49.7	50.1	52.8	49.3	51.4	53.4	51.8	53.4	56.5
On layoff .....	18.9	16.1	16.5	16.8	16.7	16.8	17.1	15.7	15.7	17.4	18.8	20.0	22.0
Other job losers .....	35.4	33.2	34.2	32.9	33.1	33.3	35.7	33.6	35.6	36.0	33.0	33.4	34.5
Job leavers .....	10.5	11.6	11.5	11.2	11.1	12.4	10.8	12.0	11.0	10.9	11.3	9.9	9.3
Reentrants .....	24.0	26.2	25.7	26.4	26.3	26.1	24.5	27.0	25.4	24.0	25.4	25.8	23.4
New entrants .....	11.2	12.8	12.1	12.7	12.9	11.5	12.0	11.7	12.3	11.7	11.6	10.9	10.8
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	4.0	3.6	3.7	3.6	3.6	3.8	4.0	3.5	3.7	4.1	4.1	4.5	5.0
Job leavers .....	.8	.9	.8	.8	.8	.9	.8	.8	.8	.8	.9	.8	.8
Reentrants .....	1.8	1.9	1.9	1.9	1.9	2.0	1.8	1.9	1.8	1.8	2.0	2.2	2.1
New entrants .....	.8	.9	.9	.9	.9	.9	.9	.8	.9	.9	.9	.9	1.0

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Sex and age	1980	1981											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total, 16 years and over</b>	97,282	97,696	97,927	98,412	98,976	99,235	98,392	98,962	98,944	98,270	98,217	98,025	97,188
16 to 19 years	7,417	7,414	7,384	7,334	7,465	7,372	6,930	7,069	7,065	7,086	6,931	6,823	6,609
16 to 17 years	2,906	2,937	2,927	2,908	2,964	2,893	2,616	2,746	2,766	2,791	2,688	2,688	2,600
18 to 19 years	4,506	4,467	4,441	4,411	4,487	4,464	4,281	4,287	4,315	4,329	4,234	4,153	4,027
20 to 24 years	13,633	13,725	13,661	13,684	13,711	13,704	13,576	13,815	13,743	13,615	13,608	13,460	13,413
25 years and over	76,242	76,611	76,847	77,367	77,735	78,151	77,980	78,120	78,090	77,546	77,720	77,644	77,171
25 to 54 years	62,142	62,482	62,676	63,019	63,423	63,701	63,611	63,803	63,882	63,461	63,580	63,609	63,218
55 years and over	14,095	14,108	14,186	14,314	14,360	14,447	14,319	14,312	14,242	14,090	14,101	14,050	14,025
<b>Males, 16 years and over</b>	55,920	56,012	56,045	56,383	56,688	56,718	56,026	56,494	56,368	56,349	56,046	55,783	55,341
16 to 19 years	3,875	3,921	3,912	3,872	3,937	3,869	3,575	3,684	3,643	3,742	3,719	3,632	3,500
16 to 17 years	1,555	1,562	1,581	1,545	1,551	1,500	1,354	1,443	1,441	1,515	1,495	1,459	1,393
18 to 19 years	2,317	2,347	2,323	2,321	2,373	2,367	2,203	2,226	2,219	2,260	2,218	2,179	2,116
20 to 24 years	7,245	7,253	7,223	7,239	7,238	7,239	7,179	7,392	7,293	7,260	7,164	7,063	7,091
25 years and over	44,806	44,862	44,896	45,266	45,464	45,563	45,309	45,425	45,448	45,323	45,196	45,053	44,739
25 to 54 years	36,131	36,204	36,206	36,488	36,707	36,840	36,676	36,773	36,851	36,788	36,635	36,578	36,252
55 years and over	8,682	8,645	8,693	8,758	8,780	8,760	8,634	8,661	8,592	8,554	8,511	8,483	8,501
<b>Females, 16 years and over</b>	41,362	41,684	41,882	42,029	42,288	42,517	42,366	42,467	42,577	41,920	42,171	42,241	41,847
16 to 19 years	3,542	3,493	3,472	3,462	3,528	3,503	3,355	3,385	3,421	3,344	3,212	3,191	3,109
16 to 17 years	1,351	1,375	1,346	1,363	1,413	1,393	1,262	1,303	1,325	1,276	1,193	1,229	1,207
18 to 19 years	2,189	2,123	2,118	2,090	2,114	2,097	2,078	2,061	2,096	2,069	2,016	1,974	1,911
20 to 24 years	6,388	6,472	6,438	6,444	6,473	6,464	6,397	6,424	6,450	6,355	6,444	6,397	6,322
25 years and over	31,436	31,749	31,950	32,101	32,271	32,588	32,671	32,695	32,642	32,223	32,524	32,591	32,431
25 to 54 years	26,011	26,278	26,471	26,532	26,715	26,861	26,934	27,030	27,032	26,673	26,945	27,031	26,966
55 years and over	5,413	5,463	5,493	5,556	5,580	5,687	5,686	5,651	5,650	5,536	5,590	5,567	5,523

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

(In thousands)

Sex and age	1980	1981											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total, 16 years and over</b>	7,785	7,847	7,754	7,764	7,746	8,171	7,784	7,502	7,657	7,966	8,520	9,004	9,462
16 to 19 years	1,610	1,744	1,762	1,734	1,763	1,787	1,628	1,559	1,635	1,692	1,793	1,899	1,832
16 to 17 years	723	783	796	789	834	798	766	656	715	749	732	808	736
18 to 19 years	881	949	967	946	929	995	894	919	912	954	1,053	1,084	1,097
20 to 24 years	1,809	1,845	1,831	1,810	1,890	2,032	1,866	1,759	1,844	1,877	1,992	2,015	2,123
25 years and over	4,302	4,269	4,171	4,233	4,101	4,343	4,313	4,203	4,160	4,418	4,743	5,034	5,399
25 to 54 years	3,835	3,766	3,647	3,683	3,587	3,810	3,768	3,642	3,640	3,906	4,163	4,525	4,805
55 years and over	512	507	528	552	496	499	505	523	512	561	578	538	617
<b>Males, 16 years and over</b>	4,334	4,353	4,293	4,245	4,205	4,527	4,309	3,979	4,216	4,349	4,688	5,068	5,518
16 to 19 years	909	1,001	981	940	943	981	884	832	895	894	915	1,025	1,033
16 to 17 years	400	466	449	414	455	440	438	356	395	407	388	435	417
18 to 19 years	501	533	534	532	485	529	486	481	489	498	523	587	619
20 to 24 years	1,032	1,061	1,052	1,085	1,097	1,198	1,056	940	1,063	1,074	1,158	1,208	1,243
25 years and over	2,324	2,306	2,283	2,235	2,175	2,312	2,383	2,220	2,270	2,395	2,624	2,790	3,132
25 to 54 years	2,073	1,992	1,977	1,942	1,874	1,962	2,039	1,898	1,959	2,126	2,295	2,514	2,764
55 years and over	292	306	303	293	280	306	313	306	300	308	339	317	397
<b>Females, 16 years and over</b>	3,451	3,493	3,461	3,519	3,541	3,644	3,475	3,524	3,441	3,617	3,831	3,936	3,944
16 to 19 years	701	743	781	794	820	806	744	727	740	798	878	874	799
16 to 17 years	323	317	347	375	379	358	328	300	320	342	344	373	319
18 to 19 years	380	416	433	414	444	466	408	438	423	456	530	497	478
20 to 24 years	777	785	779	726	793	833	810	818	781	803	834	807	880
25 years and over	1,978	1,962	1,887	1,998	1,926	2,031	1,930	1,983	1,890	2,023	2,120	2,244	2,267
25 to 54 years	1,762	1,774	1,670	1,741	1,712	1,849	1,730	1,744	1,681	1,780	1,868	2,011	2,041
55 years and over	220	201	225	259	216	193	191	217	212	253	239	222	220

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

[In thousands]

Category	1980	1981											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>CHARACTERISTIC</b>													
Total, 16 years and over .....	97,282	97,696	97,927	98,412	98,976	99,235	98,392	98,962	98,944	98,270	98,217	98,025	97,188
Married men, spouse present .....	38,231	38,182	38,113	38,365	38,510	38,498	38,216	38,283	38,315	38,169	38,059	37,798	37,557
Married women, spouse present .....	23,063	23,352	23,356	23,513	23,529	23,831	23,763	23,820	23,683	23,174	23,399	23,326	23,125
<b>OCCUPATION</b>													
White-collar workers .....	51,065	51,594	51,698	51,746	51,801	51,967	51,959	51,857	52,123	51,826	52,104	51,935	51,792
Professional and technical .....	15,810	15,965	15,813	15,827	15,754	15,688	16,057	15,966	16,299	16,254	16,347	16,284	16,414
Managers and administrators, except farm .....	11,009	11,363	11,488	11,565	11,444	11,260	11,174	11,418	11,217	11,341	11,434	11,210	11,074
Sales workers .....	6,175	6,265	6,271	6,220	6,145	6,461	6,440	6,220	6,369	6,295	6,225	6,269	6,302
Clerical workers .....	18,071	18,001	18,125	18,135	18,457	18,557	18,288	18,254	18,238	17,937	18,099	18,172	18,001
Blue-collar workers .....	30,373	30,338	30,446	30,594	31,156	31,373	30,922	31,038	31,113	30,637	30,222	29,904	29,513
Craft and kindred workers .....	12,337	12,306	12,386	12,605	12,624	12,743	12,482	12,575	12,508	12,202	12,124	12,096	12,154
Operatives, except transport Transport equipment operatives .....	10,194	10,331	10,390	10,189	10,524	10,609	10,550	10,567	10,501	10,334	10,187	9,913	9,858
operatives .....	3,402	3,322	3,361	3,363	3,411	3,390	3,425	3,481	3,499	3,453	3,530	3,364	3,296
Nonfarm laborers .....	4,440	4,380	4,309	4,437	4,596	4,632	4,466	4,415	4,605	4,649	4,381	4,531	4,205
Service workers .....	12,982	12,946	13,070	13,279	13,255	13,213	12,930	13,284	13,002	13,093	13,231	13,419	13,358
Farm workers .....	2,804	2,737	2,662	2,679	2,834	2,707	2,648	2,689	2,732	2,717	2,752	2,791	2,568
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
<b>Agriculture:</b>													
Wage and salary workers .....	1,411	1,465	1,336	1,338	1,524	1,464	1,377	1,457	1,472	1,416	1,470	1,395	1,295
Self-employed workers .....	1,655	1,615	1,610	1,615	1,648	1,644	1,657	1,568	1,629	1,649	1,616	1,631	1,580
Unpaid family workers .....	305	284	325	312	290	231	258	235	250	254	264	333	227
<b>Nonagricultural industries:</b>													
Wage and salary workers .....	86,513	87,125	87,236	87,870	88,195	88,877	87,734	88,291	88,189	87,457	87,556	87,265	86,827
Government .....	15,653	15,738	15,589	15,685	15,628	15,512	15,460	15,349	15,140	15,111	15,151	15,066	15,310
Private industries .....	70,860	71,387	71,647	72,185	72,567	73,365	72,274	72,942	73,048	72,346	72,405	72,199	71,517
Private households .....	1,110	1,197	1,176	1,235	1,241	1,164	1,146	1,211	1,236	1,052	1,114	1,173	1,270
Other industries .....	69,750	70,190	70,471	70,949	71,327	72,201	71,128	71,731	71,812	71,294	71,291	71,026	70,248
Self-employed workers .....	6,973	6,839	6,923	6,896	7,021	6,761	7,005	6,886	6,942	7,093	7,033	7,001	6,866
Unpaid family workers .....	396	422	371	354	306	338	369	389	378	392	448	423	400
<b>PERSONS AT WORK<sup>1</sup></b>													
Nonagricultural industries .....	88,468	89,499	89,441	89,583	89,202	89,870	89,625	90,837	89,823	88,886	89,448	89,359	88,776
Full-time schedules .....	72,131	72,807	72,945	72,875	72,761	73,375	73,115	74,232	72,932	72,192	72,187	72,276	71,489
Part-time for economic reasons .....	4,218	4,474	4,145	4,227	4,044	4,143	3,798	4,225	4,187	4,537	5,026	4,988	5,350
Usually work full-time .....	1,647	1,698	1,622	1,638	1,517	1,630	1,367	1,632	1,654	1,675	2,023	1,898	2,152
Usually work part-time .....	2,571	2,776	2,523	2,589	2,527	2,513	2,431	2,593	2,533	2,862	3,003	3,090	3,198
Part time for noneconomic reasons .....	12,119	12,218	12,351	12,481	12,397	12,352	12,713	12,380	12,704	12,157	12,235	12,094	11,937

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



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

(Numbers in thousands)

Veteran status and age	Not seasonally adjusted									
	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
	Number						Percent of labor force			
Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	Dec. 1980	Dec. 1981	
<b>VETERANS</b>										
Total, 25 years and over .....	8,425	8,646	7,977	8,173	7,534	7,557	443	616	5.6	7.5
25 to 39 years .....	7,324	7,279	7,011	6,968	6,606	6,408	405	560	5.8	8.0
25 to 29 years .....	1,607	1,376	1,490	1,269	1,360	1,105	130	164	8.7	12.9
30 to 34 years .....	3,504	3,165	3,372	3,043	3,195	2,808	177	235	5.2	7.7
35 to 39 years .....	2,213	2,738	2,149	2,656	2,051	2,495	98	161	4.6	6.1
40 years and over .....	1,101	1,367	966	1,205	928	1,149	38	56	3.9	4.6
<b>NONVETERANS</b>										
Total, 25 to 39 years .....	15,864	16,753	15,033	15,836	14,152	14,633	881	1,203	5.9	7.6
25 to 29 years .....	7,238	7,515	6,823	7,050	6,327	6,415	496	635	7.3	9.0
30 to 34 years .....	4,861	5,436	4,635	5,171	4,382	4,812	253	359	5.5	6.9
35 to 39 years .....	3,765	3,802	3,575	3,615	3,443	3,406	132	209	3.7	5.8

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-44. Employment status of the noninstitutional population by sex, age, and race, seasonally adjusted**

[Numbers in thousands]

Employment status, sex, age, and race	1978				1979				1980				1981			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV			
<b>TOTAL</b>																
Total noninstitutional population <sup>1</sup> .....	162,037	162,663	163,260	163,894	164,682	165,302	165,895	166,586	167,201	167,745	168,274	168,863	169,431			
Armed Forces <sup>1</sup> .....	2,115	2,093	2,079	2,088	2,091	2,086	2,091	2,111	2,121	2,124	2,129	2,155	2,160			
Civilian noninstitutional population <sup>1</sup> .....	159,922	160,570	161,181	161,806	162,591	163,216	163,804	164,475	165,079	165,620	166,145	166,708	167,271			
Civilian labor force.....	101,526	102,328	102,378	103,204	103,741	104,217	104,693	104,982	105,173	105,800	106,768	106,434	106,805			
Percent of civilian population.....	63.5	63.7	63.5	63.8	63.8	63.9	63.9	63.8	63.7	63.9	64.3	63.8	63.9			
Employed.....	95,581	96,359	96,574	97,282	97,572	97,718	97,040	97,061	97,276	98,012	98,868	98,725	97,810			
Percent of total population.....	59.0	59.2	59.2	59.4	59.2	59.1	58.5	58.3	58.2	58.4	58.8	58.5	57.7			
Agriculture.....	3,316	3,297	3,245	3,319	3,327	3,318	3,282	3,292	3,351	3,320	3,360	3,313	3,272			
Nonagricultural industries.....	92,265	93,062	93,329	93,963	94,245	94,400	93,758	93,769	93,925	94,692	95,507	95,412	94,538			
Unemployed.....	5,945	5,969	5,804	5,922	6,169	6,499	7,652	7,921	7,897	7,788	7,900	7,709	8,995			
Unemployment rate.....	5.9	5.8	5.7	5.7	5.9	6.2	7.3	7.5	7.5	7.4	7.4	7.2	8.4			
<b>Males, 20 years and over</b>																
Total noninstitutional population <sup>1</sup> .....	69,184	69,491	69,786	70,100	70,487	70,794	71,087	71,433	71,768	72,068	72,361	72,690	73,019			
Civilian noninstitutional population <sup>1</sup> .....	67,489	67,827	68,123	68,419	68,814	69,142	69,430	69,762	70,093	70,405	70,683	70,986	71,322			
Civilian labor force.....	53,877	54,274	54,306	54,640	54,744	54,958	55,250	55,407	55,501	55,568	56,095	56,022	56,207			
Percent of civilian population.....	79.8	80.0	79.7	79.9	79.6	79.5	79.6	79.4	79.2	78.9	79.4	78.9	78.8			
Employed.....	51,682	52,082	52,191	52,426	52,360	52,310	51,810	51,776	52,005	52,245	52,683	52,714	52,106			
Percent of total population.....	74.7	74.9	74.8	74.8	74.3	73.9	72.9	72.5	72.5	72.5	72.8	72.5	71.4			
Agriculture.....	2,339	2,325	2,311	2,368	2,392	2,402	2,337	2,332	2,351	2,321	2,359	2,358	2,334			
Nonagricultural industries.....	49,344	49,756	49,880	50,058	49,967	49,908	49,473	49,444	49,654	49,924	50,324	50,356	49,773			
Unemployed.....	2,194	2,192	2,115	2,215	2,384	2,649	3,440	3,631	3,496	3,323	3,411	3,308	4,100			
Unemployment rate.....	4.1	4.0	3.9	4.1	4.4	4.8	6.2	6.6	6.3	6.0	6.1	5.9	7.3			
<b>Females, 20 years and over</b>																
Total noninstitutional population <sup>1</sup> .....	76,112	76,455	76,782	77,129	77,547	77,891	78,223	78,611	78,979	79,314	79,644	80,003	80,364			
Civilian noninstitutional population <sup>1</sup> .....	76,003	76,345	76,670	77,009	77,425	77,766	78,094	78,477	78,841	79,172	79,497	79,851	80,209			
Civilian labor force.....	38,051	38,415	38,557	39,158	39,503	39,856	40,158	40,408	40,562	41,108	41,692	41,710	41,969			
Percent of civilian population.....	50.1	50.3	50.3	50.8	51.0	51.3	51.4	51.5	51.4	51.9	52.4	52.2	52.3			
Employed.....	35,866	36,181	36,390	36,957	37,260	37,549	37,603	37,807	37,828	38,389	38,929	38,938	38,915			
Percent of total population.....	47.1	47.3	47.4	47.9	48.0	48.2	48.1	48.1	47.9	48.4	48.9	48.7	48.4			
Unemployed.....	2,185	2,234	2,167	2,202	2,243	2,307	2,554	2,600	2,734	2,719	2,763	2,772	3,054			
Unemployment rate.....	5.7	5.8	5.6	5.6	5.7	5.8	6.4	6.4	6.7	6.6	6.6	6.6	7.3			
<b>Both sexes, 16-19 years</b>																
Total noninstitutional population <sup>1</sup> .....	16,742	16,717	16,692	16,666	16,648	16,616	16,585	16,542	16,454	16,362	16,270	16,169	16,049			
Civilian noninstitutional population <sup>1</sup> .....	16,429	16,398	16,389	16,377	16,352	16,308	16,281	16,236	16,144	16,043	15,965	15,871	15,740			
Civilian labor force.....	9,598	9,639	9,515	9,405	9,494	9,402	9,285	9,167	9,110	9,124	8,982	8,702	8,629			
Percent of civilian population.....	58.4	58.8	58.1	57.4	58.1	57.7	57.0	56.5	56.4	56.9	56.3	54.8	54.8			
Employed.....	8,032	8,096	7,993	7,900	7,952	7,859	7,627	7,477	7,443	7,377	7,256	7,073	6,788			
Percent of total population.....	48.0	48.4	47.9	47.4	47.8	47.3	46.0	45.2	45.2	45.1	44.6	43.2	42.3			
Unemployed.....	1,566	1,543	1,522	1,506	1,542	1,544	1,658	1,689	1,667	1,747	1,726	1,629	1,841			
Unemployment rate.....	16.3	16.0	16.0	16.0	16.2	16.4	17.9	18.4	18.3	19.1	19.2	18.7	21.3			
<b>White</b>																
Total noninstitutional population <sup>1</sup> .....	142,034	142,521	142,977	143,462	144,102	144,574	145,022	145,535	145,995	146,401	146,795	147,237	147,654			
Civilian noninstitutional population <sup>1</sup> .....	140,336	140,857	141,330	141,821	142,468	142,957	143,408	143,907	144,357	144,769	145,161	145,585	146,002			
Civilian labor force.....	89,437	90,119	90,129	90,839	91,346	91,819	92,226	92,313	92,487	93,060	93,943	93,637	93,849			
Percent of civilian population.....	63.7	64.0	63.8	64.1	64.1	64.2	64.3	64.1	64.1	64.3	64.7	64.3	64.3			
Employed.....	84,895	85,552	85,715	86,254	86,591	86,784	86,216	86,150	86,386	86,950	87,791	87,785	86,905			
Percent of total population.....	59.8	60.0	60.0	60.1	60.1	60.0	59.5	59.2	59.2	59.4	59.8	59.6	58.9			
Unemployed.....	4,542	4,566	4,413	4,585	4,755	5,035	6,011	6,164	6,101	6,110	6,152	5,852	6,944			
Unemployment rate.....	5.1	5.1	4.9	5.0	5.2	5.5	6.5	6.7	6.6	6.6	6.5	6.2	7.4			
<b>Black and other</b>																
Total noninstitutional population <sup>1</sup> .....	20,003	20,142	20,282	20,432	20,581	20,728	20,872	21,051	21,206	21,344	21,480	21,626	21,776			
Civilian noninstitutional population <sup>1</sup> .....	19,585	19,713	19,851	19,985	20,123	20,259	20,397	20,568	20,723	20,851	20,985	21,124	21,269			
Civilian labor force.....	12,107	12,193	12,258	12,346	12,412	12,389	12,479	12,656	12,687	12,682	12,845	12,774	12,945			
Percent of civilian population.....	61.8	61.9	61.7	61.8	61.7	61.2	61.2	61.5	61.2	60.8	61.2	60.5	60.9			
Employed.....	10,711	10,788	10,863	11,009	11,008	10,925	10,830	10,899	10,900	11,004	11,086	10,914	10,911			
Percent of total population.....	53.5	53.6	53.6	53.9	53.5	52.7	51.9	51.8	51.4	51.6	51.6	50.5	50.1			
Unemployed.....	1,396	1,405	1,395	1,336	1,404	1,464	1,650	1,757	1,786	1,678	1,759	1,861	2,034			
Unemployment rate.....	11.5	11.5	11.4	10.8	11.3	11.8	13.2	13.9	14.1	13.2	13.7	14.6	15.7			

<sup>1</sup> The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-44 through A-53 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-45. Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted**

[Numbers in thousands]

Full- and part-time status, sex, and age	1978	1979				1980				1981			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>FULL TIME</b>													
Total, 16 years and over:													
Civilian labor force	86,395	87,207	87,463	87,866	88,432	88,675	89,354	89,530	89,993	90,396	91,050	90,822	91,552
Employed <sup>1</sup>	81,837	82,585	82,965	83,261	83,595	83,506	83,073	82,964	83,413	83,975	84,614	84,585	84,069
Unemployed	4,558	4,622	4,498	4,605	4,837	5,170	6,280	6,567	6,580	6,421	6,435	6,236	7,483
Unemployment rate	5.3	5.3	5.1	5.2	5.5	5.8	7.0	7.3	7.3	7.1	7.1	6.9	8.2
Males, 20 years and over:													
Civilian labor force	51,163	51,610	51,709	51,844	51,959	52,035	52,436	52,635	52,757	52,716	53,313	53,153	53,390
Employed <sup>1</sup>	49,156	49,585	49,762	49,814	49,749	49,564	49,202	49,178	49,433	49,562	50,112	50,094	49,554
Unemployed	2,007	2,025	1,946	2,030	2,210	2,471	3,234	3,458	3,325	3,138	3,201	3,075	3,837
Unemployment rate	3.9	3.9	3.8	3.9	4.3	4.7	6.2	6.6	6.3	6.0	6.0	5.8	7.2
Females, 20 years and over:													
Civilian labor force	30,101	30,386	30,597	30,931	31,297	31,560	31,955	32,084	32,357	32,833	33,070	33,116	33,533
Employed <sup>1</sup>	28,414	28,634	28,868	29,203	29,541	29,744	29,876	29,955	30,070	30,550	30,818	30,880	30,949
Unemployed	1,687	1,753	1,728	1,728	1,756	1,816	2,079	2,129	2,287	2,283	2,252	2,236	2,585
Unemployment rate	5.6	5.8	5.6	5.6	5.6	5.8	6.5	6.6	7.1	7.0	6.8	6.8	7.7
Both sexes, 16-19 years:													
Civilian labor force	5,131	5,212	5,158	5,091	5,176	5,081	4,962	4,812	4,878	4,864	4,666	4,536	4,628
Employed <sup>1</sup>	4,267	4,367	4,335	4,244	4,305	4,198	3,995	3,831	3,910	3,863	3,684	3,612	3,566
Unemployed	864	845	823	847	871	883	967	980	969	1,000	982	925	1,061
Unemployment rate	16.8	16.2	16.0	16.6	16.8	17.4	19.5	20.4	19.9	20.6	21.0	20.4	22.9
<b>PART TIME</b>													
Total, 16 years and over:													
Civilian labor force	15,100	15,093	14,964	15,333	15,297	15,518	15,388	15,460	15,186	15,360	15,759	15,568	15,273
Employed <sup>1</sup>	13,738	13,736	13,648	14,013	13,989	14,175	14,020	14,115	13,876	13,963	14,291	14,083	13,801
Unemployed	1,362	1,357	1,316	1,320	1,308	1,343	1,367	1,345	1,309	1,397	1,469	1,485	1,472
Unemployment rate	9.0	9.0	8.8	8.6	8.6	8.7	8.9	8.7	8.6	9.1	9.3	9.5	9.6
Males, 20 years and over:													
Civilian labor force	2,716	2,649	2,646	2,770	2,785	2,894	2,845	2,750	2,752	2,831	2,802	2,843	2,791
Employed <sup>1</sup>	2,535	2,481	2,476	2,580	2,617	2,709	2,651	2,576	2,582	2,632	2,603	2,607	2,560
Unemployed	181	168	170	190	168	185	194	174	170	200	199	236	231
Unemployment rate	6.7	6.3	6.4	6.8	6.0	6.4	6.8	6.3	6.2	7.1	7.1	8.3	8.3
Females, 20 years and over:													
Civilian labor force	7,931	8,039	7,979	8,220	8,191	8,317	8,215	8,293	8,197	8,284	8,648	8,554	8,448
Employed <sup>1</sup>	7,449	7,549	7,530	7,754	7,714	7,818	7,734	7,838	7,748	7,831	8,126	8,022	7,975
Unemployed	482	490	449	466	477	499	481	455	449	452	522	531	473
Unemployment rate	6.1	6.1	5.6	5.7	5.8	6.0	5.9	5.5	5.5	5.5	6.0	6.2	5.6
Both sexes, 16-19 years:													
Civilian labor force	4,452	4,405	4,339	4,343	4,321	4,307	4,328	4,417	4,236	4,245	4,309	4,171	4,035
Employed <sup>1</sup>	3,754	3,706	3,642	3,679	3,657	3,648	3,636	3,701	3,546	3,500	3,562	3,454	3,267
Unemployed	699	699	697	664	664	659	692	716	690	745	747	717	768
Unemployment rate	15.7	15.9	16.1	15.3	15.4	15.3	16.0	16.2	16.3	17.6	17.3	17.2	19.0

<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-46. Employment status by race, sex, and age, seasonally adjusted**

(Numbers in thousands)

Employment status, race, sex, and age	1978	1979				1980				1981			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>WHITE</b>													
Total, 16 years and over:													
Civilian labor force .....	89,437	90,119	90,129	90,839	91,346	91,819	92,226	92,313	92,487	93,060	93,943	93,637	93,849
Employed .....	84,895	85,552	85,715	86,254	86,591	86,784	86,216	86,150	86,386	86,950	87,791	87,785	86,905
Unemployed .....	4,542	4,566	4,413	4,585	4,755	5,035	6,011	6,164	6,101	6,110	6,152	5,852	6,944
Unemployment rate .....	5.1	5.1	4.9	5.0	5.2	5.5	6.5	6.7	6.6	6.6	6.5	6.2	7.4
Males, 20 years and over:													
Civilian labor force .....	48,066	48,422	48,446	48,686	48,801	49,021	49,314	49,364	49,464	49,514	50,017	49,913	50,014
Employed .....	46,362	46,727	46,818	46,941	46,940	46,931	46,573	46,499	46,691	46,830	47,325	47,357	46,795
Unemployed .....	1,703	1,695	1,627	1,745	1,861	2,090	2,741	2,865	2,773	2,683	2,692	2,556	3,219
Unemployment rate .....	3.5	3.5	3.4	3.6	3.8	4.3	5.6	5.8	5.6	5.4	5.4	5.1	6.4
Females, 20 years and over:													
Civilian labor force .....	32,834	33,118	33,235	33,759	34,066	34,407	34,635	34,787	34,922	35,422	35,952	35,932	36,171
Employed .....	31,189	31,440	31,602	32,101	32,363	32,648	32,690	32,799	32,882	33,380	33,867	33,900	33,881
Unemployed .....	1,645	1,678	1,633	1,658	1,703	1,758	1,945	1,988	2,039	2,042	2,085	2,032	2,290
Unemployment rate .....	5.0	5.1	4.9	4.9	5.0	5.1	5.6	5.7	5.8	5.8	5.8	5.7	6.3
Both sexes, 16 to 19 years:													
Civilian labor force .....	8,537	8,578	8,448	8,394	8,480	8,392	8,277	8,163	8,102	8,124	7,974	7,792	7,664
Employed .....	7,344	7,386	7,295	7,212	7,289	7,204	6,952	6,852	6,813	6,739	6,600	6,528	6,228
Unemployed .....	1,193	1,193	1,153	1,182	1,191	1,187	1,325	1,311	1,289	1,385	1,374	1,264	1,436
Unemployment rate .....	14.0	13.9	13.6	14.1	14.0	14.1	16.0	16.1	15.9	17.0	17.2	16.2	18.7
<b>BLACK AND OTHER</b>													
Total, 16 years and over:													
Civilian labor force .....	12,107	12,193	12,258	12,346	12,412	12,389	12,479	12,656	12,687	12,682	12,845	12,774	12,945
Employed .....	10,711	10,788	10,863	11,009	11,008	10,925	10,830	10,899	10,900	11,004	11,086	10,914	10,911
Unem. d .....	1,396	1,405	1,395	1,336	1,404	1,464	1,650	1,757	1,786	1,678	1,759	1,861	2,034
Unemployment rate .....	11.5	11.5	11.4	10.8	11.3	11.8	13.2	13.9	14.1	13.2	13.7	14.6	15.7
Males, 20 years and over:													
Civilian labor force .....	5,806	5,839	5,878	5,956	5,934	5,922	5,948	6,047	6,029	6,025	6,093	6,111	6,161
Employed .....	5,319	5,338	5,397	5,481	5,415	5,357	5,258	5,277	5,310	5,379	5,383	5,355	5,291
Unemployed .....	487	501	482	475	519	565	689	770	719	646	710	756	871
Unemployment rate .....	8.4	8.6	8.2	8.0	8.8	9.5	11.6	12.7	11.9	10.7	11.7	12.4	14.1
Females, 20 years and over:													
Civilian labor force .....	5,237	5,289	5,329	5,382	5,455	5,448	5,529	5,599	5,651	5,663	5,749	5,749	5,823
Employed .....	4,700	4,736	4,786	4,840	4,918	4,906	4,910	4,987	4,958	4,993	5,062	5,009	5,057
Unemployed .....	537	553	543	542	538	542	620	612	693	670	687	740	767
Unemployment rate .....	10.3	10.4	10.2	10.1	9.9	10.0	11.2	10.9	12.3	11.8	12.0	12.9	13.2
Both sexes, 16 to 19 years:													
Civilian labor force .....	1,064	1,065	1,051	1,008	1,022	1,019	1,002	1,010	1,006	994	1,003	914	960
Employed .....	693	714	680	688	675	662	662	635	632	632	641	550	564
Unemployed .....	371	351	371	320	347	357	341	375	374	362	361	364	396
Unemployment rate .....	34.9	33.0	35.3	31.8	33.9	35.0	34.0	37.1	37.2	36.4	36.0	39.9	41.3

**HOUSEHOLD DATA**  
**SEASONALLY ADJUSTED**  
**QUARTERLY AVERAGES**

**A-47. Major unemployment indicators, seasonally adjusted**

[Unemployment rates]

Category	1978	1979				1980				1981			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>CHARACTERISTIC</b>													
Total (all civilian workers) .....	5.9	5.8	5.7	5.7	5.9	6.2	7.3	7.5	7.5	7.4	7.4	7.2	8.4
Males, 20 years and over .....	4.1	4.0	3.9	4.1	4.4	4.8	6.2	6.6	6.3	6.0	6.1	5.9	7.3
Females, 20 years and over .....	5.7	5.8	5.6	5.6	5.7	5.8	6.4	6.4	6.7	6.6	6.6	6.6	7.3
Both sexes, 18-19 years .....	16.3	16.0	16.0	16.0	16.2	16.4	17.9	18.4	18.3	19.1	19.2	18.7	21.3
White .....	5.1	5.1	4.9	5.0	5.2	5.5	6.5	6.7	6.6	6.6	6.5	6.2	7.4
Black and other .....	11.5	11.5	11.4	10.8	11.3	11.8	13.2	13.9	14.1	13.2	13.7	14.6	15.7
Married men, spouse present .....	2.6	2.7	2.6	2.8	3.0	3.4	4.4	4.8	4.4	4.1	4.0	4.0	5.2
Married women, spouse present .....	5.4	5.3	5.1	5.0	5.0	5.4	5.9	5.9	5.9	6.0	5.8	5.6	6.5
Women who maintain families .....	7.8	8.1	8.5	8.0	8.4	8.7	8.6	8.9	10.2	9.9	10.2	10.6	10.7
Full-time workers .....	5.3	5.3	5.1	5.2	5.5	5.8	7.0	7.3	7.3	7.1	7.1	6.9	8.2
Part-time workers .....	9.0	9.0	8.8	8.6	8.6	8.7	8.9	8.7	8.6	9.1	9.3	9.5	9.6
Unemployed 15 weeks and over <sup>1</sup> .....	1.2	1.2	1.2	1.1	1.2	1.3	1.6	2.0	2.2	2.1	2.1	2.0	2.2
Labor force time lost <sup>2</sup> .....	6.3	6.3	6.3	6.3	6.4	6.7	8.1	8.3	8.3	8.1	8.3	8.1	9.5
<b>OCCUPATION</b>													
White-collar workers .....	3.3	3.4	3.3	3.4	3.3	3.4	3.7	3.8	3.9	3.9	4.0	4.0	4.3
Professional and technical .....	2.7	2.4	2.3	2.5	2.4	2.3	2.5	2.4	2.6	2.7	3.0	2.6	2.9
Managers and administrators, except farm .....	2.0	2.0	2.1	2.2	2.1	2.2	2.5	2.5	2.5	2.5	2.6	2.7	2.9
Sales workers .....	3.8	4.0	4.0	3.9	3.9	4.2	4.4	4.3	4.7	4.1	4.2	5.0	5.0
Clerical workers .....	4.5	4.8	4.5	4.6	4.6	4.8	5.2	5.4	5.6	5.6	5.5	5.7	6.1
Blue-collar workers .....	6.7	6.7	6.6	6.9	7.5	8.1	10.5	11.1	10.7	10.0	9.8	9.6	11.9
Craft and kindred workers .....	4.6	4.6	4.1	4.3	4.8	5.2	7.2	7.4	7.1	7.0	7.2	7.0	8.8
Operatives, except transport .....	7.7	7.9	8.1	8.6	9.2	9.6	12.9	13.6	13.0	11.8	11.5	11.2	14.2
Transport equipment operatives .....	5.1	5.2	5.4	5.6	5.6	6.9	9.0	10.1	10.0	8.9	8.2	7.9	9.6
Nonfarm laborers .....	11.0	10.1	10.6	10.8	11.8	12.8	14.9	15.7	15.0	14.7	13.9	13.8	16.3
Service workers .....	7.4	7.5	7.1	6.9	6.8	7.0	8.0	8.3	8.1	8.3	9.0	8.6	9.5
Farm workers .....	3.7	3.2	3.4	4.0	4.3	4.2	4.7	4.8	4.1	5.0	5.0	4.6	6.1
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers <sup>3</sup> .....	5.7	5.7	5.6	5.8	5.9	6.2	7.7	7.9	7.8	7.5	7.5	7.3	8.6
Construction .....	11.5	10.7	9.8	9.4	10.6	11.8	15.6	16.3	14.4	13.8	15.8	16.0	18.1
Manufacturing .....	5.1	5.1	5.3	5.8	6.0	6.7	9.1	9.4	9.0	8.3	7.6	7.3	9.7
Durable goods .....	4.6	4.4	4.6	5.2	5.7	6.6	9.9	10.3	9.2	8.2	7.4	7.1	9.9
Nondurable goods .....	5.9	6.2	6.4	6.7	6.5	6.8	7.9	8.1	8.7	8.3	8.1	7.7	9.3
Transportation and public utilities .....	3.4	3.6	3.2	3.7	4.1	4.3	4.9	5.5	5.0	5.9	5.4	4.3	5.4
Wholesale and retail trade .....	6.7	6.5	6.4	6.4	6.4	6.5	7.4	7.7	8.1	7.5	7.7	8.1	8.7
Finance and service industries .....	4.9	5.0	4.8	4.9	4.7	4.8	5.4	5.5	5.5	5.8	5.9	5.7	6.3
Government workers .....	3.9	3.9	3.6	3.5	3.8	3.9	4.0	4.1	4.2	4.4	4.8	4.5	4.9
Agricultural wage and salary workers .....	8.4	8.1	8.6	9.6	9.8	10.1	11.2	11.5	10.6	11.8	11.1	11.2	14.1

<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

<sup>3</sup> as a percent of potentially available labor force hours.

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-48. Unemployed persons by duration of unemployment, seasonally adjusted**

[Numbers in thousands]

Weeks of unemployment	1978	1979				1980				1981			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>DURATION</b>													
Both sexes, 16 years and over:													
Less than 5 weeks .....	2,820	2,778	2,805	2,927	2,977	3,072	3,418	3,205	3,136	3,224	3,205	3,244	3,845
5 to 14 weeks .....	1,863	1,916	1,830	1,871	1,947	2,112	2,591	2,589	2,414	2,315	2,468	2,343	2,839
15 weeks and over .....	1,247	1,261	1,184	1,130	1,216	1,336	1,687	2,127	2,333	2,266	2,196	2,169	2,306
15 to 28 weeks .....	717	714	671	640	693	789	978	1,233	1,233	1,028	1,076	1,093	1,175
27 weeks and over .....	530	547	513	490	524	548	709	894	1,100	1,238	1,120	1,076	1,131
Average (mean duration, in weeks .....	11.2	11.4	10.8	10.5	10.6	10.8	11.2	12.4	13.5	14.3	13.7	14.0	13.2
Median duration, in weeks .....	5.7	5.8	5.6	5.4	5.5	5.6	6.0	7.5	7.5	7.1	7.2	7.0	6.7
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	47.6	46.7	48.2	49.4	48.5	47.1	44.4	40.5	39.8	41.3	40.7	41.8	42.8
5 to 14 weeks .....	31.4	32.2	31.4	31.6	31.7	32.4	33.7	32.7	30.6	29.7	31.4	30.2	31.6
15 weeks and over .....	21.0	21.2	20.4	19.1	19.8	20.5	21.9	26.8	29.6	29.0	27.9	28.0	25.7
15 to 28 weeks .....	12.1	12.0	11.5	10.8	11.3	12.1	12.7	15.6	15.6	13.2	13.7	14.1	13.1
27 weeks and over .....	8.9	9.2	8.8	8.3	8.5	8.4	9.2	11.3	13.9	15.9	14.2	13.9	12.6

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

Sex and age	1978	1979				1980				1981			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>Total, 16 years and over .....</b>	5.9	5.8	5.7	5.7	5.9	6.2	7.3	7.5	7.5	7.4	7.4	7.2	8.4
16 to 19 years .....	16.3	16.0	16.0	16.0	16.2	16.4	17.9	18.4	18.3	19.1	19.2	18.7	21.3
16 to 17 years .....	19.4	18.6	18.4	17.3	18.0	18.5	20.1	20.9	20.7	21.3	22.1	20.3	22.2
18 to 19 years .....	13.9	14.1	14.4	15.0	14.8	14.9	16.5	16.6	16.5	17.7	17.6	17.7	20.7
20 to 24 years .....	8.9	8.9	8.7	9.1	9.4	10.0	12.0	12.1	12.1	11.8	12.4	11.7	13.2
25 years and over .....	3.9	4.0	3.8	3.9	4.0	4.3	5.2	5.5	5.4	5.2	5.2	5.2	6.1
25 to 54 years .....	4.2	4.2	4.0	4.1	4.3	4.6	5.6	5.9	5.9	5.6	5.5	5.5	6.6
55 years and over .....	3.0	3.0	3.0	3.0	2.9	3.0	3.3	3.4	3.4	3.6	3.4	3.6	3.9
<b>Males, 16 years and over .....</b>	5.1	5.1	4.9	5.0	5.3	5.7	7.2	7.6	7.4	7.1	7.1	6.9	8.4
16 to 19 years .....	16.2	16.3	15.4	15.8	15.7	15.8	18.3	19.4	19.5	20.0	19.8	19.1	21.5
16 to 17 years .....	19.9	19.3	17.8	16.8	17.6	17.9	20.6	21.9	21.5	22.1	23.2	20.8	22.2
18 to 19 years .....	13.2	14.1	13.9	14.9	14.0	14.4	16.9	17.5	17.9	18.6	17.8	18.0	21.0
20 to 24 years .....	8.6	8.4	8.1	8.6	9.1	10.5	13.1	13.4	13.2	12.8	13.4	12.3	14.5
25 years and over .....	3.2	3.3	3.1	3.3	3.5	3.8	5.0	5.4	5.0	4.8	4.8	4.8	6.0
25 to 54 years .....	3.4	3.4	3.2	3.3	3.7	4.0	5.3	5.8	5.5	5.1	5.1	5.1	6.5
55 years and over .....	2.8	2.9	2.9	3.0	2.8	3.0	3.4	3.6	3.3	3.3	3.3	3.4	4.0
<b>Females, 16 years and over .....</b>	6.9	6.9	6.8	6.7	6.8	6.9	7.4	7.5	7.7	7.7	7.7	7.7	8.5
16 to 19 years .....	16.5	15.7	16.6	16.3	16.8	17.1	17.4	17.3	16.9	18.2	18.6	18.2	21.1
16 to 17 years .....	18.8	17.8	19.1	18.0	18.4	19.2	19.5	19.7	19.8	20.3	20.7	19.8	22.2
18 to 19 years .....	14.7	14.1	15.0	15.1	15.7	15.5	16.1	15.7	15.0	16.6	17.3	17.5	20.3
20 to 24 years .....	9.3	9.4	9.4	9.7	9.7	9.4	10.7	10.4	10.8	10.6	11.2	11.1	11.6
25 years and over .....	4.9	5.0	4.8	4.7	4.8	5.0	5.5	5.6	5.9	5.8	5.7	5.7	6.4
25 to 54 years .....	5.3	5.4	5.2	5.1	5.2	5.4	6.0	6.1	6.3	6.1	6.2	6.1	6.8
55 years and over .....	3.3	3.3	3.1	3.2	3.1	3.0	3.2	3.2	3.6	4.0	3.4	3.9	3.9

**HOUSEHOLD DATA**  
**SEASONALLY ADJUSTED**  
**QUARTERLY AVERAGES**

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

(Numbers in thousands)

Reason for unemployment	1978	1979				1980				1981			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>NUMBER OF UNEMPLOYED</b>													
Both sexes, 16 years and over:													
Job losers .....	2,449	2,497	2,396	2,553	2,786	3,040	4,071	4,357	4,232	3,863	4,041	3,986	4,838
On layoff .....	718	796	763	828	974	1,098	1,716	1,758	1,538	1,274	1,338	1,265	1,820
Other job losers .....	1,731	1,701	1,633	1,725	1,812	1,942	2,355	2,598	2,693	2,589	2,702	2,721	3,018
Job leavers .....	853	882	857	848	829	814	907	870	860	885	909	875	908
Reentrants .....	1,806	1,759	1,746	1,770	1,755	1,806	1,906	1,865	1,926	2,016	2,033	1,970	2,227
New entrants .....	846	833	804	750	800	818	832	875	879	971	960	923	994
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....													
Job losers .....	41.1	41.8	41.3	43.1	45.1	46.9	52.8	54.7	53.6	49.9	50.9	51.4	54.0
On layoff .....	12.1	13.3	13.1	14.0	15.8	17.0	22.2	22.1	19.5	16.5	16.9	16.3	20.3
Other job losers .....	29.1	28.5	28.1	29.1	29.4	30.0	30.5	32.6	34.1	33.5	34.0	35.1	33.7
Job leavers .....	14.3	14.8	14.8	14.3	13.4	12.6	11.8	10.9	10.9	11.4	11.4	11.3	10.1
Reentrants .....	30.3	29.5	30.1	29.9	28.4	27.9	24.7	23.4	24.4	26.1	25.6	25.4	24.8
New entrants .....	14.2	13.9	13.9	12.7	13.0	12.6	10.8	11.0	11.1	12.6	12.1	11.9	11.1
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	2.4	2.4	2.3	2.5	2.7	2.9	3.9	4.1	4.0	3.7	3.8	3.7	4.5
On layoff .....	.8	.9	.8	.8	.8	.8	.9	.8	.8	.8	.9	.8	.9
Other job losers .....	1.8	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.1
Job leavers .....	.8	.8	.8	.7	.8	.8	.8	.8	.8	.9	.9	.9	.9

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

(In thousands)

Sex and age	1978	1979				1980				1981			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>Total, 16 years and over .....</b>	<b>95,581</b>	<b>96,359</b>	<b>96,574</b>	<b>97,282</b>	<b>97,572</b>	<b>97,718</b>	<b>97,040</b>	<b>97,061</b>	<b>97,276</b>	<b>98,012</b>	<b>98,868</b>	<b>98,725</b>	<b>97,810</b>
16 to 19 years .....	8,032	8,096	7,993	7,900	7,952	7,859	7,627	7,477	7,443	7,377	7,256	7,073	6,788
16 to 17 years .....	3,282	3,332	3,255	3,219	3,278	3,179	3,049	2,965	2,928	2,924	2,824	2,768	2,659
18 to 19 years .....	4,761	4,763	4,716	4,685	4,693	4,680	4,559	4,528	4,522	4,440	4,411	4,310	4,138
20 to 24 years .....	13,736	13,884	13,899	13,927	13,856	13,782	13,545	13,544	13,607	13,690	13,664	13,725	13,494
25 years and over .....	73,809	74,390	74,683	75,456	75,755	76,082	75,872	76,060	76,208	76,941	77,955	77,919	77,511
25 to 54 years .....	59,576	60,003	60,378	61,113	61,388	61,720	61,546	61,723	62,056	62,726	63,578	63,716	63,469
55 years and over .....	14,244	14,382	14,292	14,347	14,375	14,369	14,311	14,336	14,157	14,203	14,375	14,215	14,059
<b>Males, 16 years and over .....</b>	<b>55,953</b>	<b>56,356</b>	<b>56,445</b>	<b>56,640</b>	<b>56,572</b>	<b>56,526</b>	<b>55,855</b>	<b>55,674</b>	<b>55,899</b>	<b>56,147</b>	<b>56,477</b>	<b>56,404</b>	<b>55,723</b>
16 to 19 years .....	4,270	4,274	4,253	4,214	4,212	4,216	4,045	3,898	3,894	3,902	3,794	3,690	3,617
16 to 17 years .....	1,742	1,776	1,763	1,746	1,759	1,747	1,642	1,569	1,569	1,563	1,468	1,466	1,449
18 to 19 years .....	2,535	2,492	2,475	2,472	2,462	2,471	2,391	2,346	2,329	2,330	2,314	2,235	2,171
20 to 24 years .....	7,448	7,516	7,541	7,561	7,518	7,430	7,232	7,170	7,203	7,238	7,219	7,315	7,106
25 years and over .....	44,235	44,567	44,638	44,873	44,844	44,881	44,569	44,625	44,800	45,008	45,445	45,399	44,996
25 to 54 years .....	35,414	35,717	35,874	36,046	36,051	36,072	35,819	35,897	36,112	36,299	36,741	36,804	36,488
55 years and over .....	8,817	8,853	8,768	8,829	8,783	8,812	8,757	8,730	8,676	8,699	8,725	8,602	8,498
<b>Females, 16 years and over .....</b>	<b>39,628</b>	<b>40,003</b>	<b>40,130</b>	<b>40,642</b>	<b>41,000</b>	<b>41,192</b>	<b>41,185</b>	<b>41,387</b>	<b>41,376</b>	<b>41,865</b>	<b>42,390</b>	<b>42,321</b>	<b>42,086</b>
16 to 19 years .....	3,762	3,822	3,740	3,685	3,740	3,642	3,582	3,580	3,549	3,476	3,462	3,384	3,171
16 to 17 years .....	1,540	1,556	1,492	1,473	1,518	1,432	1,408	1,396	1,359	1,361	1,356	1,301	1,210
18 to 19 years .....	2,225	2,269	2,241	2,213	2,231	2,210	2,168	2,182	2,193	2,109	2,096	2,075	1,967
20 to 24 years .....	6,288	6,368	6,358	6,366	6,338	6,351	6,313	6,374	6,404	6,452	6,445	6,410	6,388
25 years and over .....	29,574	29,823	30,045	30,583	30,911	31,201	31,303	31,435	31,408	31,933	32,510	32,520	32,515
25 to 54 years .....	24,162	24,286	24,504	25,067	25,337	25,647	25,728	25,826	25,944	26,427	26,837	26,912	26,981
55 years and over .....	5,428	5,528	5,524	5,519	5,592	5,558	5,554	5,606	5,480	5,504	5,651	5,613	5,560

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(In thousands)

Category	1978	1979				1980				1981			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>CHARACTERISTIC</b>													
Total, 16 years and over .....	95,581	96,359	96,574	97,282	97,572	97,718	97,040	97,061	97,276	98,012	98,868	98,725	97,810
Married men, spouse present .....	38,909	39,152	39,042	39,253	38,921	38,789	38,263	38,021	38,180	38,220	38,408	38,256	37,805
Married women, spouse present .....	22,271	22,483	22,524	22,901	22,991	23,142	23,123	23,090	23,040	23,407	23,708	23,559	23,283
<b>OCCUPATION</b>													
White-collar workers .....	47,975	48,729	49,149	49,594	49,896	50,363	50,643	51,135	51,105	51,680	51,909	51,936	51,944
Professional and technical .....	14,514	14,904	15,053	15,090	15,164	15,395	15,583	15,669	15,818	15,868	15,833	16,173	16,348
Managers and administrators, except farm .....	10,122	10,366	10,459	10,631	10,613	10,785	10,850	11,038	11,001	11,472	11,293	11,325	11,239
Sales workers .....	6,035	6,053	6,142	6,163	6,285	6,231	6,055	6,195	6,202	6,252	6,349	6,295	6,265
Clerical workers .....	17,304	17,406	17,496	17,710	17,835	17,952	18,154	18,232	18,083	18,087	18,434	18,143	18,091
Blue-collar workers .....	31,913	32,090	31,942	32,188	32,032	31,669	30,788	30,315	30,481	30,459	31,151	30,930	29,879
Craft and kindred workers .....	12,600	12,819	12,827	12,924	12,943	12,756	12,540	12,413	12,415	12,432	12,616	12,428	12,124
Operatives, except transport .....	10,970	10,944	10,821	10,972	10,886	10,632	10,354	10,179	10,217	10,303	10,561	10,467	9,986
Transport equipment operatives .....	3,600	3,595	3,626	3,625	3,599	3,566	3,461	3,422	3,425	3,348	3,409	3,478	3,397
Nonfarm laborers .....	4,744	4,732	4,667	4,667	4,604	4,715	4,433	4,300	4,424	4,375	4,565	4,556	4,372
Service workers .....	12,960	12,801	12,827	12,759	12,952	12,985	12,966	12,963	12,920	13,098	13,133	13,126	13,336
Farm workers .....	2,770	2,750	2,662	2,706	2,698	2,704	2,679	2,690	2,756	2,693	2,730	2,712	2,704
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
<b>Agriculture:</b>													
Wage and salary workers .....	1,423	1,401	1,409	1,409	1,431	1,420	1,381	1,353	1,397	1,380	1,455	1,448	1,387
Self-employed workers .....	1,598	1,572	1,539	1,597	1,610	1,604	1,617	1,653	1,636	1,614	1,650	1,615	1,609
Unpaid family workers .....	302	317	294	309	301	294	286	295	318	307	260	246	274
<b>Nonagricultural industries:</b>													
Wage and salary workers .....	85,435	86,094	86,288	86,686	87,096	87,226	86,627	86,439	86,581	87,410	88,269	87,979	87,216
Government .....	15,343	15,296	15,385	15,362	15,428	15,534	15,724	15,608	15,634	15,671	15,533	15,200	15,176
Private industries .....	70,091	70,799	70,903	71,324	71,668	71,693	70,903	70,831	70,947	71,740	72,735	72,779	72,040
Private households .....	1,306	1,296	1,202	1,238	1,225	1,160	1,184	1,184	1,134	1,203	1,184	1,167	1,186
Other industries .....	68,785	69,503	69,700	70,086	70,443	70,533	69,719	69,647	69,813	70,537	71,552	71,612	70,855
Self-employed workers .....	6,396	6,522	6,591	6,733	6,762	6,800	6,743	6,886	6,974	6,886	6,929	6,974	6,967
Unpaid family workers .....	463	467	465	466	419	392	405	415	406	382	338	386	424
<b>PERSONS AT WORK<sup>1</sup></b>													
Nonagricultural industries .....	86,750	87,476	87,577	88,826	88,707	88,815	88,003	87,957	88,550	89,508	89,566	89,848	89,194
Full-time schedules .....	71,497	72,148	72,298	73,183	72,969	72,839	71,647	71,427	72,156	72,876	73,083	73,119	71,984
Part time for economic reasons .....	3,155	3,230	3,266	3,228	3,412	3,491	4,016	4,137	4,205	4,282	3,995	4,316	5,121
Usually work full time .....	1,243	1,267	1,268	1,326	1,447	1,486	1,804	1,735	1,651	1,653	1,504	1,654	2,024
Usually work part time .....	1,912	1,964	1,998	1,902	1,965	2,005	2,212	2,403	2,554	2,629	2,490	2,662	3,097
Part time for noneconomic reasons .....	12,098	12,098	12,013	12,415	12,327	12,484	12,340	12,393	12,190	12,350	12,488	12,413	12,089

<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  
QUARTERLY AVERAGES**

**A-53. Persons not in labor force by reason, sex, and race, seasonally adjusted**

[In thousands]

Reason, sex, and race	1978				1979				1980				1981			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV			
<b>TOTAL</b>																
Total not in labor force .....	58,396	58,242	58,803	58,602	58,850	58,999	59,111	59,493	59,906	59,820	59,377	60,274	60,466			
Do not want job now .....	53,071	53,282	53,552	52,835	53,574	53,573	53,851	54,231	54,521	53,998	54,320	54,948	54,967			
Current activity:																
Going to school .....	5,991	5,949	5,939	5,846	6,037	6,038	6,185	6,594	6,224	6,068	6,451	6,499	6,323			
Ill, disabled .....	4,633	4,519	4,533	4,539	4,534	4,627	4,446	4,124	4,293	4,071	4,177	4,284	4,256			
Keeping house .....	29,224	29,466	29,166	28,686	28,659	28,376	28,688	28,646	28,842	28,296	28,013	28,302	27,923			
Retired .....	9,499	9,553	9,994	9,954	10,254	10,578	10,538	10,917	10,938	11,252	11,594	11,694	11,905			
Other .....	3,724	3,795	3,921	3,809	4,090	3,954	3,994	3,950	4,224	4,311	4,085	4,170	4,560			
Want a job now .....	5,283	5,252	5,193	5,437	5,333	5,548	5,431	5,605	5,586	5,905	5,568	5,474	5,935			
Reason not looking:																
School attendance .....	1,339	1,360	1,388	1,503	1,478	1,453	1,461	1,517	1,466	1,521	1,502	1,442	1,531			
Ill health, disability .....	742	739	695	760	785	771	728	759	710	817	742	677	838			
Home responsibilities .....	1,222	1,221	1,237	1,253	1,245	1,335	1,195	1,235	1,179	1,290	1,246	1,134	1,363			
Think cannot get job .....	787	713	814	729	766	949	921	961	1,055	1,115	1,018	1,050	1,201			
Job-market factors .....	494	492	518	525	465	603	626	669	697	876	703	776	865			
Personal factors .....	294	221	296	204	301	345	294	292	358	239	316	274	336			
Other reasons <sup>1</sup> .....	1,192	1,219	1,059	1,191	1,058	1,040	1,127	1,133	1,176	1,162	1,059	1,172	1,001			
<b>Males</b>																
Total not in labor force .....	16,687	16,602	16,947	16,937	17,220	17,296	17,344	17,607	17,795	17,947	17,811	18,308	18,343			
Do not want job now .....	14,954	14,996	15,361	15,174	15,482	15,570	15,663	15,942	16,081	15,925	16,301	16,749	16,585			
Want a job now .....	1,672	1,671	1,555	1,780	1,731	1,710	1,753	1,825	1,827	1,921	1,771	1,741	1,989			
Reason not looking:																
School attendance .....	590	681	686	776	733	699	745	765	720	795	746	668	760			
Ill health, disability .....	333	356	276	346	355	324	338	338	307	379	319	305	423			
Think cannot get job .....	296	276	272	281	291	347	319	367	370	372	399	364	450			
Other reasons <sup>1</sup> .....	352	358	321	377	353	340	351	355	430	374	306	404	355			
<b>Females</b>																
Total not in labor force .....	41,709	41,640	41,856	41,665	41,630	41,702	41,769	41,886	42,111	41,873	41,566	41,966	42,123			
Do not want job now .....	38,117	38,286	38,191	37,661	38,092	38,003	38,188	38,288	38,441	38,073	38,018	38,199	38,382			
Want a job now .....	3,611	3,581	3,638	3,657	3,602	3,838	3,678	3,780	3,759	3,984	3,797	3,733	3,946			
Reason not looking:																
School attendance .....	649	679	702	727	746	754	716	751	746	726	756	773	771			
Ill health, disability .....	409	384	419	414	430	447	390	421	403	437	423	372	415			
Home responsibilities .....	1,222	1,221	1,237	1,253	1,245	1,335	1,195	1,235	1,179	1,290	1,246	1,134	1,363			
Think cannot get job .....	491	437	542	448	475	602	601	594	685	743	619	686	751			
Other reasons .....	840	861	738	815	705	700	776	778	746	788	753	768	646			
<b>White</b>																
Total not in labor force .....	50,899	50,738	51,201	50,982	51,122	51,138	51,182	51,594	51,870	51,709	51,218	51,948	52,153			
Do not want job now .....	46,855	46,852	47,292	46,826	46,973	46,874	47,198	47,545	47,744	47,198	47,332	47,898	47,865			
Want a job now .....	3,928	3,982	3,934	4,192	4,042	4,259	4,094	4,139	4,124	4,328	4,022	4,045	4,363			
Reason not looking:																
School attendance .....	982	1,001	971	1,153	1,113	1,051	1,087	1,084	1,059	1,095	1,039	978	1,139			
Ill health, disability .....	523	536	505	529	527	559	533	514	513	574	500	485	578			
Home responsibilities .....	914	942	952	972	985	1,104	940	957	907	967	964	841	1,025			
Think cannot get job .....	544	516	578	534	551	673	611	681	686	756	676	730	819			
Other reasons .....	966	988	929	1,004	866	871	923	903	960	936	842	1,011	801			
<b>Black and other</b>																
Total not in labor force .....	7,478	7,520	7,593	7,639	7,711	7,870	7,918	7,912	8,036	8,169	8,140	8,350	8,324			
Do not want job now .....	6,156	6,236	6,338	6,345	6,460	6,544	6,581	6,449	6,642	6,558	6,602	6,985	6,837			
Want a job now .....	1,316	1,281	1,217	1,309	1,236	1,322	1,315	1,526	1,402	1,642	1,538	1,499	1,510			
Reason not looking:																
School attendance .....	359	362	402	385	369	400	357	461	406	427	458	495	393			
Ill health, disability .....	206	215	195	223	236	228	205	228	187	270	253	188	235			
Home responsibilities .....	306	290	266	295	258	243	239	285	269	342	266	299	337			
Think cannot get job .....	234	211	216	204	197	296	292	293	354	395	325	331	362			
Other reasons .....	211	203	138	202	176	155	221	258	186	209	237	187	183			

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

# HOUSEHOLD DATA QUARTERLY AVERAGES

## A-54. Persons not in labor force by reason, sex, and age

(in thousands)

Reason and sex	Total		Age								
			16 to 19 years		20 to 24 years		25 to 59 years		60 years and over		
	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	
<b>TOTAL</b>											
Total not in labor force	59,919	60,591	7,417	7,499	4,639	4,702	21,453	21,238	26,411	27,152	
Do not want a job now	54,676	55,061	6,160	6,174	3,816	3,810	18,903	18,505	25,798	26,571	
Current activity:											
Going to school	7,908	8,109	5,359	5,479	1,868	1,951	669	669	14	7	
Ill, disabled	4,217	4,151	27	16	115	98	2,016	1,927	2,059	2,112	
Keeping house	28,643	27,705	480	364	1,467	1,386	14,037	13,459	12,658	12,496	
Retired	10,698	11,597	—	—	2	—	248	271	10,448	11,326	
Other	3,210	3,498	294	315	364	375	1,933	2,179	619	630	
Want a job now	5,243	5,530	1,255	1,325	823	893	2,549	2,732	614	581	
Reason not looking:											
School attendance	1,399	1,451	949	999	252	237	185	211	11	5	
Ill health, disability	695	817	13	29	44	77	468	545	170	165	
Home responsibilities	1,098	1,250	61	81	206	240	788	885	42	44	
Think cannot get job	973	1,090	103	121	152	189	518	562	200	218	
Job-market factors	658	810	59	78	119	153	392	479	89	99	
Personal factors	316	280	45	43	33	36	128	80	111	118	
Other reasons <sup>1</sup>	1,078	923	129	95	169	150	590	529	191	149	
<b>Males</b>											
Total not in labor force	18,184	18,818	3,482	3,513	1,519	1,574	3,303	3,479	9,881	10,252	
Do not want a job now	16,523	17,002	2,888	2,884	1,250	1,279	2,801	2,869	9,583	9,972	
Current activity:											
Going to school	4,010	4,055	2,700	2,716	1,007	1,043	299	294	2	3	
Ill, disabled	2,388	2,260	21	7	64	49	1,145	1,089	1,159	1,115	
Keeping house	298	314	—	13	10	3	81	97	206	201	
Retired	7,938	8,384	—	—	—	—	198	212	7,739	8,171	
Other	1,889	1,990	167	148	169	184	1,078	1,177	477	482	
Want a job now	1,661	1,815	593	630	270	297	502	609	298	278	
Reason not looking:											
School attendance	688	723	477	522	140	123	67	78	4	—	
Ill health, disability	286	401	8	17	20	45	169	259	89	80	
Think cannot get job	304	366	45	52	50	68	107	137	102	108	
Other reasons <sup>1</sup>	383	325	63	39	60	61	159	135	103	90	
<b>Females</b>											
Total not in labor force	41,735	41,773	3,935	3,986	3,120	3,128	18,150	17,759	16,530	16,900	
Do not want a job now	38,153	38,059	3,272	3,291	2,565	2,531	16,102	15,636	16,215	16,598	
Current activity:											
Going to school	3,898	4,054	2,658	2,764	858	908	370	376	11	5	
Ill, disabled	1,829	1,891	6	9	52	48	870	837	901	996	
Keeping house	28,345	27,392	480	351	1,458	1,384	13,956	13,363	12,452	12,294	
Retired	2,761	3,213	—	—	2	—	51	58	2,708	3,155	
Other	1,320	1,509	128	167	195	191	855	1,002	143	148	
Want a job now	3,582	3,714	663	695	554	597	2,049	2,122	316	303	
Reason not looking:											
School attendance	711	728	472	477	114	114	119	133	7	5	
Ill health, disability	409	416	5	12	24	33	300	286	80	85	
Home responsibilities	1,098	1,250	61	81	206	240	788	885	42	44	
Think cannot get job	669	724	58	69	101	121	410	425	99	110	
Other reasons	695	597	67	56	109	89	432	393	88	59	

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

NOTE: Detail in tables A-54, A-55, and A-57 may not add to not-in-labor-force totals because of differences in the weighting patterns used in aggregating these data.

## HOUSEHOLD DATA QUARTERLY AVERAGES

### A-55. Persons not in labor force by reason, race, age, and sex

[In thousands]

Reason and race	Total		Age						Sex			
			16 to 24 years		25 to 59 years		60 years and over		Males		Females	
	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981
<b>WHITE</b>												
Total not in labor force	51,876	52,257	9,479	9,573	18,564	18,222	23,832	24,462	15,431	15,884	36,445	36,373
Do not want a job now	47,983	48,169	7,995	7,980	16,665	16,200	23,325	23,986	14,213	14,546	33,770	33,623
Current activity:												
Going to school	6,413	6,463	5,829	5,918	572	536	13	6	3,291	3,253	3,122	3,210
Ill, disabled	3,442	3,416	105	100	1,622	1,535	1,714	1,780	1,969	1,885	1,473	1,531
Keeping house	25,860	25,026	1,628	1,490	12,681	12,087	11,555	11,450	233	250	25,627	24,776
Retired	9,708	10,451	—	—	232	255	9,475	10,195	7,214	7,581	2,494	2,870
Other	2,560	2,813	433	472	1,558	1,787	568	555	1,506	1,577	1,054	1,236
Want a job now	3,892	4,088	1,481	1,595	1,906	2,025	505	476	1,218	1,339	2,674	2,749
Reason not looking:												
School attendance	999	1,061	865	927	120	132	11	5	504	535	495	526
Ill health, disability	512	583	51	85	338	387	125	112	196	298	316	285
Home responsibilities	846	941	179	228	627	687	40	28	—	—	846	941
Think cannot get job	644	756	145	179	333	391	167	188	194	236	450	520
Other reasons <sup>1</sup>	891	747	241	176	488	428	162	143	324	270	567	477
<b>BLACK AND OTHER</b>												
Total not in labor force	8,044	8,334	2,575	2,628	2,889	3,016	2,579	2,690	2,753	2,934	5,290	5,400
Do not want a job now	6,692	6,892	1,977	2,000	2,242	2,306	2,472	2,584	2,310	2,457	4,382	4,437
Current activity:												
Going to school	1,495	1,647	1,395	1,511	98	131	—	2	719	802	776	845
Ill, disabled	775	737	37	12	392	392	344	333	419	376	356	361
Keeping house	2,782	2,679	321	260	1,358	1,374	1,103	1,045	65	63	2,717	2,616
Retired	991	1,146	—	—	19	17	973	1,130	724	803	267	343
Other	649	685	224	217	375	392	52	74	383	413	266	272
Want a job now	1,352	1,443	595	627	644	710	110	104	442	477	910	963
Reason not looking:												
School attendance	400	390	336	310	64	80	—	—	184	188	216	201
Ill health, disability	182	233	6	22	131	158	45	52	89	103	93	130
Home responsibilities	253	308	89	93	162	199	2	16	—	—	253	308
Think cannot get job	329	334	109	132	186	172	33	30	110	130	219	204
Other reasons <sup>1</sup>	188	177	55	70	101	101	30	6	59	56	129	120

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

### A-56. Persons not in labor force who desire work but think they cannot get jobs by reason, sex, age, and race

[In thousands]

Reason and sex	4th Quarter 1981						
	Total	Age				Race	
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black and other
<b>TOTAL</b>							
Personal factors:							
Employers think too young or old	149	16	—	17	115	132	17
Lacks education or training	81	14	20	46	—	53	29
Other personal handicap	51	13	16	17	3	36	15
Job-market factors:	433	41	86	257	49	257	177
Could not find job	377	37	67	222	50	279	98
Thinks no job available							
<b>Males</b>							
Personal factors:							
Employers think too young or old	73	11	—	5	56	62	11
Lacks education or training	33	6	16	11	—	17	17
Other personal handicap	17	5	3	5	3	11	6
Job-market factors:	142	15	22	77	28	75	67
Could not find job	101	15	27	39	21	71	30
Thinks no job available							
<b>Females</b>							
Personal factors:							
Employers think too young or old	76	5	—	12	59	70	6
Lacks education or training	48	8	4	35	—	36	12
Other personal handicap	34	8	13	13	—	25	9
Job-market factors:	291	25	64	181	21	182	110
Could not find job	276	23	40	183	30	208	68
Thinks no job available							

**HOUSEHOLD DATA  
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**A-57. Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during the previous 12 months by sex, age, and race**

[Numbers in thousands]

Most recent work experience, reason for leaving last job, and sex	Total		Age						Race			
			16 to 24 years		25 to 59 years		60 years and over		White		Black and other	
	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981
<b>Total, not in labor force</b>	59,919	60,591	12,056	12,201	21,453	21,238	26,411	27,152	51,876	52,257	8,044	8,334
Never worked	9,181	9,277	4,664	4,975	2,124	2,051	2,394	2,252	7,252	7,313	1,928	1,964
Last worked over 5 years ago	29,863	30,314	3,07	254	10,643	10,559	18,914	19,500	26,422	26,847	3,440	3,467
Last worked 1 to 5 years ago	10,476	10,813	1,641	1,842	5,139	5,153	3,696	3,819	9,185	9,326	1,292	1,487
Left job during previous 12 months	10,399	10,185	5,443	5,131	3,548	3,474	1,407	1,581	9,017	8,770	1,383	1,416
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	48.3	45.8	66.3	63.7	37.7	37.8	5.3	5.4	50.4	47.2	34.3	37.3
Ill health, disability	7.1	7.5	1.6	1.7	13.2	11.9	12.9	17.0	7.0	7.2	9.7	9.7
Retirement, old age	8.3	9.6	--	--	3.7	4.0	52.0	53.0	8.9	10.4	4.3	4.9
Economic reasons	20.3	21.8	17.9	21.0	23.3	25.3	21.9	17.1	18.8	20.2	29.9	31.9
End of seasonal job	8.3	8.9	9.5	10.2	6.8	8.2	7.5	6.3	7.8	8.1	11.8	13.8
Slack work	6.2	7.1	3.9	5.6	9.8	10.0	6.1	5.4	5.6	6.6	10.1	10.1
End of temporary job	5.8	5.8	4.5	5.1	6.7	7.1	8.2	5.4	5.4	5.5	8.0	7.9
All other reasons	16.0	15.3	14.1	13.7	22.1	21.0	8.0	7.4	15.1	15.1	21.9	16.2
<b>Males, not in labor force</b>	18,184	18,818	5,001	5,087	3,303	3,479	9,881	10,252	15,431	15,884	2,753	2,934
Never worked	2,224	2,328	1,989	2,039	201	236	36	53	1,552	1,646	672	681
Last worked over 5 years ago	8,225	8,490	45	36	1,373	1,424	6,808	7,031	7,114	7,374	1,111	1,116
Last worked 1 to 5 years ago	3,578	3,752	413	542	1,011	1,014	2,152	2,195	3,108	3,211	470	541
Left job during previous 12 months	4,157	4,248	2,553	2,470	718	803	885	973	3,657	3,652	500	596
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	43.6	40.2	65.1	62.4	18.5	17.7	2.3	2.7	44.8	42.1	35.5	28.7
Ill health, disability	8.8	9.5	1.4	1.9	28.9	24.2	13.3	16.7	8.1	9.1	13.6	11.9
Retirement, old age	13.9	15.7	--	--	11.3	10.1	56.3	60.1	14.7	17.1	8.0	7.0
Economic reasons	19.2	20.0	19.2	20.7	16.2	23.4	21.8	15.4	18.6	18.1	24.0	31.4
End of seasonal job	9.5	9.4	10.6	11.3	6.0	6.6	9.4	7.1	9.5	8.6	10.2	14.6
Slack work	4.7	5.7	3.7	4.6	8.5	12.2	4.4	3.3	4.4	5.2	6.6	8.9
End of temporary job	5.0	4.9	4.9	4.8	1.7	4.6	8.0	5.0	4.7	4.4	7.2	7.9
All other reasons	14.5	14.6	14.3	15.1	25.1	24.7	6.3	5.1	13.9	13.6	18.8	21.0
<b>Females, not in labor force</b>	41,735	41,773	7,055	7,114	18,150	17,759	16,530	16,900	36,445	36,373	5,290	5,400
Never worked	6,956	6,950	2,675	2,935	1,922	1,815	2,358	2,199	5,700	5,667	1,256	1,283
Last worked over 5 years ago	21,637	21,824	262	219	9,269	9,136	12,106	12,469	19,300	19,473	2,329	2,351
Last worked 1 to 5 years ago	6,898	7,061	1,226	1,299	4,128	4,138	1,544	1,624	6,077	6,115	822	946
Left job during previous 12 months	6,243	5,938	2,891	2,660	2,830	2,671	521	608	5,360	5,118	883	820
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	51.4	49.8	67.4	64.9	42.6	43.8	10.4	9.9	54.3	50.8	33.6	43.5
Ill health, disability	6.0	6.1	1.8	1.4	9.2	8.2	12.1	17.5	5.7	5.8	7.5	8.2
Retirement, old age	4.6	5.3	.1	--	1.9	2.1	44.5	41.8	5.0	5.5	2.2	3.4
Economic reasons	21.0	23.2	16.8	21.2	25.1	25.9	21.9	19.8	19.0	21.7	33.2	32.2
End of seasonal job	7.5	8.5	8.5	9.2	7.0	8.7	4.2	5.1	6.6	7.8	12.7	13.3
Slack work	7.2	8.1	4.1	6.6	10.1	9.3	9.0	8.9	6.4	7.6	12.0	11.0
End of temporary job	6.3	6.6	4.2	5.4	8.0	7.9	8.6	5.8	5.9	6.3	8.5	7.9
All other reasons	17.0	15.7	13.9	12.4	21.3	19.9	11.1	11.0	16.0	16.2	23.6	12.7

**A-58. Work-seeking intentions of persons not in labor force and work history of those who intend to seek work within the next 12 months by sex, age, and race**

[In thousands]

Work-seeking intentions, work history, and sex	Total		Age						Race			
			16 to 24 years		25 to 59 years		60 years and over		White		Black and other	
	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981
<b>Total</b>	49,889	50,334	6,220	6,117	17,861	17,597	25,807	26,619	43,822	44,089	6,067	6,245
Intend to seek work in the next 12 months	10,029	10,256	5,835	6,083	3,591	3,641	603	533	8,054	8,167	1,976	2,089
Never worked	1,593	1,819	1,455	1,678	135	129	3	11	1,144	1,297	449	522
Last worked over 5 years ago	1,125	1,037	59	34	876	880	192	124	842	806	284	232
Last worked 1 to 5 years ago	1,944	2,243	676	832	1,096	1,227	172	182	1,509	1,723	435	520
Worked during previous 12 months	5,368	5,157	3,645	3,537	1,486	1,404	237	216	4,560	4,341	808	815
<b>Males</b>	14,438	14,895	2,275	2,249	2,609	2,690	9,554	9,957	12,352	12,718	2,086	2,178
Intend to seek work in the next 12 months	3,746	3,922	2,725	2,838	694	789	327	295	3,079	3,166	667	756
Never worked	669	730	637	701	31	30	--	--	477	508	192	222
Last worked over 5 years ago	194	139	8	6	108	87	78	45	132	109	63	30
Last worked 1 to 5 years ago	526	658	220	285	203	267	102	105	403	504	123	154
Worked during previous 12 months	2,356	2,396	1,859	1,845	350	406	147	144	2,067	2,045	289	350
<b>Females</b>	35,451	35,438	3,945	3,868	15,252	14,908	16,254	16,662	31,470	31,371	3,981	4,067
Intend to seek work in the next 12 months	6,284	6,334	3,109	3,245	2,898	2,850	276	238	4,975	5,001	1,309	1,333
Never worked	923	1,089	816	978	104	101	3	11	667	789	257	300
Last worked over 5 years ago	930	899	51	28	766	793	113	78	710	697	221	202
Last worked 1 to 5 years ago	1,418	1,585	455	547	892	960	70	77	1,106	1,219	312	366
Worked during previous 12 months	3,012	2,762	1,787	1,693	1,135	998	90	72	2,493	2,296	519	465

**HOUSEHOLD DATA  
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**A-59. Employment status of the noninstitutional population by sex, age, race, and Hispanic origin**

Numbers in thousands

Employment status, sex, and age	Total		White		Black		Hispanic origin	
	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981
<b>TOTAL</b>								
Civilian noninstitutional population	165,079	167,271	144,357	146,002	17,577	17,952	8,782	9,176
Civilian labor force	105,160	106,680	92,481	93,746	10,695	10,922	5,594	5,842
Percent of population	63.7	63.8	64.1	64.2	60.8	60.8	63.7	63.7
<b>Employed</b>	97,759	98,246	86,770	87,258	9,157	9,146	5,046	5,214
Agriculture	3,253	3,191	3,019	2,971	181	161	219	210
Nonagricultural industries	94,506	95,055	83,751	84,287	8,976	8,985	4,827	5,004
<b>Unemployed</b>	7,401	8,434	5,711	6,488	1,538	1,776	548	629
Unemployment rate	7.0	7.9	6.2	6.9	14.4	16.3	9.8	10.8
Not in labor force	59,919	60,591	51,876	52,257	6,883	7,030	3,189	3,334
<b>Males, 20 years and over</b>								
Civilian noninstitutional population	70,093	71,322	62,027	63,015	6,793	6,967	3,608	3,847
Civilian labor force	55,391	56,017	49,344	49,847	5,061	5,182	3,052	3,254
Percent of population	79.0	78.5	79.6	79.1	74.5	74.4	84.6	84.6
<b>Employed</b>	52,201	52,274	46,833	46,936	4,458	4,420	2,797	2,957
Agriculture	2,354	2,336	2,168	2,151	146	140	172	158
Nonagricultural industries	49,847	49,939	44,665	44,785	4,312	4,280	2,625	2,799
<b>Unemployed</b>	3,189	3,743	2,510	2,911	603	762	255	298
Unemployment rate	5.8	6.7	5.1	5.8	11.9	14.7	8.4	9.1
Not in labor force	14,703	15,305	12,684	13,168	1,732	1,785	556	593
<b>Females, 20 years and over</b>								
Civilian noninstitutional population	78,841	80,209	68,745	69,803	8,549	8,769	4,007	4,168
Civilian labor force	41,041	42,422	35,338	36,540	4,835	4,980	1,976	2,083
Percent of population	52.1	52.9	51.4	52.3	56.6	56.8	49.3	50.0
<b>Employed</b>	38,383	39,444	33,349	34,310	4,217	4,308	1,805	1,871
Agriculture	577	575	548	545	18	16	21	30
Nonagricultural industries	37,805	38,869	32,801	33,765	4,199	4,292	1,784	1,841
<b>Unemployed</b>	2,659	2,977	1,989	2,230	618	672	171	212
Unemployment rate	6.5	7.0	5.6	6.1	12.8	13.5	8.7	10.2
Not in labor force	37,800	37,787	33,408	33,263	3,714	3,789	2,031	2,085
<b>Both sexes, 16-19 years</b>								
Civilian noninstitutional population	16,144	15,740	13,584	13,183	2,235	2,216	1,167	1,162
Civilian labor force	8,728	8,241	7,800	7,358	798	760	566	505
Percent of population	54.1	52.4	57.4	55.8	35.7	34.3	48.5	43.5
<b>Employed</b>	7,175	6,527	6,588	6,011	482	418	444	386
Agriculture	322	281	303	274	17	5	27	23
Nonagricultural industries	6,854	6,246	6,284	5,738	465	413	417	364
<b>Unemployed</b>	1,553	1,714	1,212	1,347	317	342	121	119
Unemployment rate	17.8	20.8	15.5	18.3	39.6	45.0	21.5	23.5
Not in labor force	7,417	7,499	5,784	5,825	1,437	1,456	602	656

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## A-60 Employment status of persons of Mexican, Puerto Rican, and Cuban origin by sex and age

[Numbers in thousands]

Employment status, sex, and age	Total Hispanic origin <sup>1</sup>		Mexican origin		Puerto Rican origin		Cuban origin	
	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981
<b>TOTAL</b>								
Civilian noninstitutional population . . . . .	8,782	9,176	5,219	5,525	1,142	1,239	660	676
Civilian labor force . . . . .	5,594	5,842	3,463	3,650	566	619	424	430
Percent of population . . . . .	63.7	63.7	66.4	66.1	49.6	50.0	64.2	63.6
Employed . . . . .	5,046	5,214	3,126	3,260	481	541	390	393
Agriculture . . . . .	219	210	200	195	3	4	1	--
Nonagricultural industries . . . . .	4,827	5,004	2,926	3,065	478	537	388	393
Unemployed . . . . .	548	629	337	390	85	78	35	37
Unemployment rate . . . . .	9.8	10.8	9.7	10.7	15.0	12.6	8.2	8.6
Not in labor force . . . . .	3,189	3,334	1,756	1,875	576	621	235	246
<b>Males, 20 years and over</b>								
Civilian noninstitutional population . . . . .	3,608	3,847	2,237	2,381	405	458	278	297
Civilian labor force . . . . .	3,052	3,254	1,939	2,069	317	357	227	232
Percent of population . . . . .	84.6	84.6	86.7	86.9	78.3	77.9	81.7	78.1
Employed . . . . .	2,797	2,957	1,778	1,883	276	317	213	216
Agriculture . . . . .	172	158	158	146	2	3	1	--
Nonagricultural industries . . . . .	2,625	2,799	1,620	1,737	274	314	211	216
Unemployed . . . . .	255	298	161	186	41	40	15	16
Unemployment rate . . . . .	8.4	9.1	8.3	9.0	12.9	11.2	6.5	6.9
Not in labor force . . . . .	556	593	297	313	88	100	51	65
<b>Females, 20 years and over</b>								
Civilian noninstitutional population . . . . .	4,007	4,168	2,272	2,411	551	594	303	311
Civilian labor force . . . . .	1,976	2,083	1,137	1,225	200	218	158	165
Percent of population . . . . .	49.3	50.0	50.0	50.8	36.3	36.7	52.1	53.1
Employed . . . . .	1,805	1,871	1,041	1,099	177	194	145	152
Agriculture . . . . .	21	30	16	26	1	1	--	--
Nonagricultural industries . . . . .	1,784	1,841	1,025	1,073	176	193	145	152
Unemployed . . . . .	171	212	96	126	23	25	13	13
Unemployment rate . . . . .	8.7	10.2	8.4	10.3	11.7	11.3	8.0	7.7
Not in labor force . . . . .	2,031	2,085	1,135	1,186	351	376	146	146
<b>Both sexes, 16-19 years</b>								
Civilian noninstitutional population . . . . .	1,167	1,162	709	732	187	188	78	69
Civilian labor force . . . . .	566	505	387	356	49	43	39	33
Percent of population . . . . .	48.5	43.5	54.6	48.6	26.2	22.9	50.0	47.8
Employed . . . . .	444	386	307	278	28	30	32	25
Agriculture . . . . .	27	23	26	23	--	--	--	--
Nonagricultural industries . . . . .	417	364	281	255	28	30	32	25
Unemployed . . . . .	121	119	80	78	21	13	7	8
Unemployment rate . . . . .	21.5	23.5	20.6	21.6	(2)	(2)	(2)	(2)
Not in labor force . . . . .	602	656	323	376	138	145	38	35

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

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

**HOUSEHOLD DATA  
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**A-61. Employed persons by selected social and economic categories, race, and Hispanic origin**

[In thousands]

Category	Total		White		Black and other		Hispanic origin	
	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981
<b>CHARACTERISTIC</b>								
Total, 16 years and over .....	97,759	98,246	86,770	87,258	10,989	10,988	5,046	5,214
Males .....	55,865	55,655	50,180	50,047	5,685	5,607	3,065	3,183
Females .....	41,894	42,591	36,590	37,211	5,304	5,381	1,981	2,031
<b>OCCUPATION</b>								
White-collar workers .....	51,540	52,325	47,167	47,777	4,373	4,548	1,728	1,811
Professional and technical .....	15,979	16,512	14,560	14,980	1,419	1,532	391	416
Managers and administrators, except farm .....	11,006	11,199	10,403	10,590	602	608	311	350
Sales workers .....	6,367	6,433	6,031	6,078	336	355	195	212
Clerical workers .....	18,188	18,181	16,172	16,128	2,016	2,053	831	833
Blue-collar workers .....	30,641	29,991	26,706	26,190	3,935	3,801	2,299	2,320
Craft and kindred workers .....	12,456	12,153	11,418	11,196	1,038	957	690	682
Operatives, except transport .....	10,412	10,133	8,815	8,498	1,597	1,635	1,060	1,052
Transport equipment operatives .....	3,471	3,452	2,933	2,945	538	506	201	215
Nonfarm laborers .....	4,302	4,253	3,539	3,551	763	703	348	371
Service workers .....	12,917	13,307	10,413	10,824	2,504	2,483	860	909
Farm workers .....	2,662	2,623	2,485	2,467	177	156	159	175
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	1,322	1,321	1,160	1,157	162	164	202	199
Self-employed workers .....	1,636	1,614	1,575	1,562	62	51	16	11
Unpaid family workers .....	295	257	285	252	10	5	1	--
Nonagricultural industries:								
Wage and salary workers .....	87,180	87,698	76,856	77,398	10,325	10,299	4,577	4,725
Government .....	15,857	15,388	13,363	12,975	2,494	2,413	646	644
Private industries .....	71,324	72,309	63,493	64,423	7,831	7,886	3,930	4,081
Private households .....	1,172	1,217	819	865	353	352	91	96
Other industries .....	70,152	71,092	62,674	63,558	7,478	7,534	3,839	3,985
Self-employed workers .....	6,957	6,971	6,544	6,522	413	449	236	260
Unpaid family workers .....	369	386	351	366	18	20	14	18
<b>FULL- AND PART-TIME STATUS <sup>1</sup></b>								
Full-time schedules .....	78,965	78,729	69,919	69,762	9,046	8,967	4,205	4,294
Part time for economic reasons .....	4,138	4,992	3,449	4,161	689	831	304	389
Part time for noneconomic reasons .....	14,656	14,525	13,401	13,335	1,255	1,190	537	530

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

**HOUSEHOLD DATA  
QUARTERLY AVERAGES**

**A-62. Employed persons of Mexican, Puerto Rican, and Cuban origin by selected social and economic categories**

[In thousands]

Category	Total Hispanic origin <sup>1</sup>		Mexican origin		Puerto Rican origin		Cuban origin	
	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981
<b>CHARACTERISTIC</b>								
Total, 16 years and over .....	5,046	5,214	3,126	3,260	481	541	390	393
Males .....	3,065	3,183	1,970	2,051	294	335	229	230
Females .....	1,981	2,031	1,157	1,209	187	205	161	163
<b>OCCUPATION</b>								
White-collar workers .....	1,728	1,811	888	976	204	224	180	206
Professional and technical .....	391	416	186	203	38	51	45	61
Managers and administrators, except farm .....	311	350	149	172	24	38	45	44
Sales workers .....	195	212	94	115	17	18	21	32
Clerical workers .....	831	833	459	486	125	117	69	69
Blue-collar workers .....	2,299	2,320	1,566	1,575	192	216	156	143
Craft and kindred workers .....	690	682	472	461	41	50	50	49
Operatives, except transport .....	1,060	1,052	703	693	101	108	74	64
Transport equipment operatives .....	201	215	135	145	27	23	13	13
Nonfarm laborers .....	348	371	256	276	23	35	19	17
Service workers .....	860	909	523	544	83	98	54	45
Farm workers .....	159	175	149	165	1	3	—	—
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	202	199	190	189	3	4	1	—
Self-employed workers .....	16	11	10	6	—	1	1	—
Unpaid family workers .....	1	—	1	—	—	—	—	—
Nonagricultural industries:								
Wage and salary workers .....	4,577	4,725	2,795	2,919	467	519	349	348
Government .....	646	644	403	433	86	83	27	28
Private industries .....	3,930	4,081	2,392	2,487	381	436	322	319
Private households .....	91	96	60	55	1	—	1	2
Other industries .....	3,839	3,985	2,332	2,432	380	436	321	317
Self-employed workers .....	236	260	121	135	11	13	36	43
Unpaid family workers .....	14	18	10	11	—	4	3	2
<b>FULL- AND PART-TIME STATUS<sup>2</sup></b>								
Full-time schedules .....	4,205	4,294	2,580	2,641	432	481	327	323
Part time for economic reasons .....	304	389	225	307	11	19	13	10
Part time for noneconomic reasons .....	537	530	322	313	38	41	49	59

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

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



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**A-63. Employed persons by sex, age, race, and Hispanic origin**

[In thousands]

Sex and age	Total		White		Black		Hispanic origin	
	IV	IV	IV	IV	IV	IV	IV	IV
	1980	1981	1980	1981	1980	1981	1980	1981
<b>Total, 16 years and over</b> .....	97,759	98,246	86,770	87,258	9,157	9,146	5,046	5,214
16 to 19 years .....	7,175	6,527	6,588	6,011	482	418	444	386
16 to 17 years .....	2,794	2,519	2,616	2,366	145	119	141	121
18 to 19 years .....	4,381	4,008	3,972	3,646	337	299	304	265
20 to 24 years .....	13,615	13,494	12,096	12,021	1,275	1,248	896	879
25 years and over .....	76,969	78,225	68,086	69,225	7,400	7,479	3,705	3,948
25 to 54 years .....	62,674	64,046	55,185	56,430	6,202	6,285	3,302	3,536
55 years and over .....	14,295	14,179	12,901	12,795	1,197	1,195	403	412
<b>Males, 16 years and over</b> .....	55,865	55,655	50,180	50,047	4,722	4,643	3,065	3,183
16 to 19 years .....	3,664	3,380	3,347	3,111	265	224	268	226
16 to 17 years .....	1,442	1,320	1,344	1,244	83	61	86	75
18 to 19 years .....	2,222	2,060	2,003	1,867	182	163	182	151
20 to 24 years .....	7,146	7,044	6,381	6,309	637	624	523	512
25 years and over .....	45,056	45,231	40,452	40,627	3,821	3,795	2,273	2,444
25 to 54 years .....	36,305	36,668	32,461	32,806	3,184	3,171	1,999	2,157
55 years and over .....	8,751	8,562	7,991	7,822	637	625	274	288
<b>Females, 16 years and over</b> .....	41,894	42,591	36,590	37,211	4,434	4,502	1,981	2,031
16 to 19 years .....	3,511	3,147	3,241	2,900	217	194	176	160
16 to 17 years .....	1,352	1,200	1,272	1,122	62	58	55	46
18 to 19 years .....	2,159	1,947	1,968	1,778	156	137	122	114
20 to 24 years .....	6,469	6,451	5,716	5,712	638	624	374	367
25 years and over .....	31,913	32,993	27,634	28,598	3,579	3,684	1,431	1,504
25 to 54 years .....	26,369	27,378	22,724	23,624	3,019	3,114	1,302	1,380
55 years and over .....	5,544	5,616	4,910	4,973	560	570	128	124

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

Sex and age	Total		White		Black		Hispanic origin	
	IV	IV	IV	IV	IV	IV	IV	IV
	1980	1981	1980	1981	1980	1981	1980	1981
<b>Total, 16 years and over</b> .....	7.0	7.9	6.2	6.9	14.4	16.3	9.8	10.8
16 to 19 years .....	17.8	20.8	15.5	18.3	39.6	45.0	21.5	23.5
16 to 17 years .....	20.1	21.6	17.7	19.5	46.2	48.4	27.3	28.2
18 to 19 years .....	16.2	20.3	14.0	17.5	36.3	43.5	18.4	21.2
20 to 24 years .....	11.3	12.4	9.6	10.3	24.6	28.3	11.0	13.9
25 years and over .....	5.1	5.8	4.5	5.2	9.8	11.2	7.8	8.5
25 to 54 years .....	5.5	6.2	4.9	5.5	10.7	12.0	8.0	8.6
55 years and over .....	3.2	3.7	3.0	3.5	5.1	6.3	6.3	8.0
<b>Males, 16 years and over</b> .....	6.8	7.8	6.0	6.8	14.2	16.6	9.7	10.7
16 to 19 years .....	19.6	21.8	17.4	19.7	40.5	42.5	21.8	26.7
16 to 17 years .....	21.9	22.7	19.3	20.7	48.4	48.2	24.3	33.3
18 to 19 years .....	18.1	21.2	16.0	19.1	36.0	39.9	20.6	22.9
20 to 24 years .....	12.3	13.6	10.7	11.6	25.1	29.5	11.1	13.1
25 years and over .....	4.6	5.5	4.1	4.9	9.3	11.7	7.7	8.3
25 to 54 years .....	5.0	6.0	4.5	5.3	10.0	12.6	8.0	8.6
55 years and over .....	2.9	3.5	2.7	3.2	5.6	6.9	5.8	6.2
<b>Females, 16 years and over</b> .....	7.3	8.1	6.4	7.0	14.5	15.9	9.9	10.9
16 to 19 years .....	15.8	19.7	13.6	16.7	38.6	47.7	20.9	18.5
16 to 17 years .....	18.0	20.4	16.1	18.2	43.0	48.6	31.7	17.9
18 to 19 years .....	14.3	19.3	11.9	15.8	36.7	47.3	14.8	18.8
20 to 24 years .....	10.1	11.0	8.3	8.7	24.1	27.1	11.0	14.9
25 years and over .....	5.7	6.2	5.1	5.6	10.4	10.6	8.0	9.0
25 to 54 years .....	6.1	6.6	5.4	5.9	11.4	11.5	8.2	8.7
55 years and over .....	3.6	4.0	3.5	3.8	4.4	5.6	6.5	12.7

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**A-85. Unemployed persons by duration of unemployment, race, and Hispanic origin**

[In thousands]

Weeks of unemployment	Total		White		Black and other		Hispanic origin	
	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981
<b>DURATION</b>								
Total, 16 years and over .....	7,401	8,434	5,711	6,488	1,690	1,946	548	629
Less than 5 weeks .....	2,938	3,566	2,320	2,800	618	766	236	299
5 to 14 weeks .....	2,347	2,757	1,803	2,171	544	586	171	212
15 weeks and over .....	2,115	2,110	1,587	1,517	528	594	140	118
15 to 26 weeks .....	1,106	1,068	845	797	261	271	79	63
27 weeks and over .....	1,009	1,043	742	720	266	323	61	56
Average (mean) duration, in weeks .....	13.4	13.2	12.8	12.4	15.3	15.9	12.4	10.4
Median duration, in weeks .....	7.3	6.7	6.9	6.4	8.4	7.8	7.1	5.5
<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 .....	39.7	42.3	40.6	43.2	36.6	39.4	43.1	47.5
5 to 14 weeks .....	31.7	32.7	31.6	33.5	32.2	30.1	31.3	33.7
15 weeks and over .....	28.6	25.1	27.8	23.4	31.3	30.5	25.6	18.9
15 to 26 weeks .....	14.9	12.7	14.8	12.3	15.5	13.9	14.4	10.0
27 weeks and over .....	13.6	12.4	13.0	11.1	15.7	16.6	11.2	8.9

**A-86. Unemployed persons by reason for unemployment, race, and Hispanic origin**

[Numbers in thousands]

Reason for unemployment	Total		White		Black and other		Hispanic origin	
	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981
<b>NUMBER OF UNEMPLOYED</b>								
Total, 16 years and over .....	7,401	8,434	5,711	6,488	1,690	1,946	548	629
Job losers .....	3,909	4,529	3,067	3,544	842	985	300	386
On layoff .....	1,283	1,568	1,071	1,313	212	255	64	125
Other job losers .....	2,626	2,961	1,996	2,232	630	730	236	261
Job leavers .....	846	894	712	749	134	145	66	52
Reentrants .....	1,869	2,130	1,397	1,582	471	549	114	132
New entrants .....	776	881	535	614	242	267	68	58
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	52.8	53.7	53.8	54.6	49.8	50.6	54.7	61.5
On layoff .....	17.3	18.6	18.8	20.2	12.5	13.1	11.7	19.9
Other job losers .....	35.5	35.1	35.0	34.4	37.3	37.5	43.1	41.6
Job leavers .....	11.4	10.6	12.5	11.5	7.9	7.5	12.0	8.3
Reentrants .....	25.2	25.3	24.5	24.4	27.9	28.2	20.8	21.0
New entrants .....	10.5	10.4	9.4	9.5	14.3	13.7	12.4	9.2
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>								
Job losers .....	3.7	4.3	3.4	3.8	6.7	7.6	5.4	6.6
Job leavers .....	.8	.8	.8	.8	1.1	1.1	1.2	.9
Reentrants .....	1.8	2.0	1.5	1.7	3.7	4.2	2.0	2.3
New entrants .....	.7	.8	.6	.7	1.9	2.1	1.2	1.0

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**A-67. Employment status of male Vietnam-era veterans and nonveterans by age**

[Numbers in thousands]

Veteran status and age	Civilian noninstitutional population		Civilian labor force								
			Total		Employed		Unemployed				
							Number		Percent of labor force		
							IV 1980	IV 1981	IV 1980	IV 1981	IV 1980
<b>VETERANS</b>											
Total 25 years and over	8,398	8,633	7,967	8,181	7,532	7,632	435	549	5.5	6.7	
25 to 29 years	7,322	7,298	7,025	7,009	6,624	6,512	401	497	5.7	7.1	
30 to 34 years	1,624	1,399	1,521	1,305	1,384	1,153	138	152	9.0	11.7	
35 to 39 years	3,530	3,199	3,404	3,078	3,229	2,877	175	201	5.2	6.5	
40 years and over	2,168	2,700	2,099	2,626	2,011	2,482	88	144	4.2	5.5	
	1,076	1,336	943	1,172	908	1,120	35	52	3.7	4.4	
<b>NONVETERANS</b>											
Total 25 to 39 years	15,796	16,679	15,022	15,804	14,157	14,740	866	1,065	5.8	6.7	
25 to 29 years	7,219	7,498	6,821	7,055	6,327	6,481	494	574	7.2	8.1	
30 to 34 years	4,799	5,407	4,589	5,161	4,346	4,856	243	306	5.3	5.9	
35 to 39 years	3,779	3,774	3,613	3,588	3,484	3,403	129	185	3.6	5.2	

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

**A-68. Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin**

[Numbers in thousands]

Employment status and age	Veterans						Nonveterans					
	White		Black and other		Hispanic origin		White		Black and other		Hispanic origin	
	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
<b>Total, 25 to 39 years:</b>												
Civilian noninstitutional population	6,601	6,561	721	737	275	291	13,722	14,520	2,074	2,159	1,187	1,324
Civilian labor force	6,362	6,331	662	678	256	272	13,165	13,899	1,857	1,905	1,116	1,229
Employed	6,037	5,913	587	599	235	244	12,247	13,091	1,658	1,647	1,020	1,106
Unemployed	325	418	75	79	21	28	918	808	199	258	96	123
Unemployment rate	5.1	6.6	11.3	11.7	8.2	10.3	7.0	5.8	10.7	13.5	8.6	10.0
<b>25 to 29 years</b>												
Civilian noninstitutional population	1,403	1,221	221	178	83	76	6,354	6,578	865	920	511	583
Civilian labor force	1,320	1,153	201	152	79	72	6,057	6,265	764	790	476	537
Employed	1,217	1,032	166	121	74	66	5,665	5,825	662	656	427	481
Unemployed	103	121	35	31	5	6	392	440	102	134	49	56
Unemployment rate	7.8	10.5	17.4	20.4	6.3	8.3	6.2	7.0	13.4	17.0	10.3	10.4
<b>30 to 34 years</b>												
Civilian noninstitutional population	3,232	2,885	298	314	127	115	4,101	4,668	697	739	386	427
Civilian labor force	3,130	2,786	274	292	120	111	3,953	4,495	635	666	366	401
Employed	2,981	2,617	248	260	109	97	3,525	4,265	569	590	337	361
Unemployed	149	169	26	32	11	14	428	230	66	76	27	40
Unemployment rate	4.8	6.1	9.5	11.0	9.2	12.6	10.8	5.1	10.4	11.4	7.9	10.0
<b>35 to 39 years</b>												
Civilian noninstitutional population	1,966	2,455	202	245	65	100	3,267	3,274	512	500	290	314
Civilian labor force	1,912	2,392	187	234	57	89	3,155	3,139	458	449	274	291
Employed	1,839	2,264	173	218	52	81	3,057	3,001	427	401	256	264
Unemployed	73	128	14	16	5	8	98	138	31	48	18	27
Unemployment rate	3.8	5.4	7.5	6.8	(1)	9.0	3.1	4.4	6.8	10.7	6.6	9.3

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

# HOUSEHOLD DATA QUARTERLY AVERAGES

## A-69. Employment status of the noninstitutional population in metropolitan and nonmetropolitan areas by sex, age, and race

(Numbers in thousands)

Employment status, sex, age, and race	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981
<b>TOTAL</b>												
Civilian noninstitutional population	111,751	113,416	46,112	46,690	65,639	66,726	53,328	53,855	4,524	4,304	48,804	49,551
Civilian labor force	72,346	73,572	28,889	29,147	43,457	44,425	32,813	33,108	2,855	2,750	29,958	30,358
Percent of population	64.7	64.9	62.6	62.4	66.2	66.6	61.5	61.5	63.1	63.9	61.4	61.3
Employed	67,299	67,920	26,514	26,479	40,785	41,441	30,460	30,325	2,765	2,645	27,695	27,680
Unemployed	5,048	5,652	2,373	2,667	2,675	2,985	2,353	2,782	90	105	2,263	2,677
Unemployment rate	7.0	7.7	8.2	9.2	6.2	6.7	7.2	8.4	3.2	3.8	7.6	8.8
Not in labor force	39,405	39,844	17,224	17,544	22,181	22,300	20,515	20,747	1,670	1,554	18,845	19,193
<b>Males, 20 years and over</b>												
Civilian noninstitutional population	47,317	48,265	19,143	19,532	28,174	28,733	22,776	23,057	2,057	1,985	20,719	21,072
Civilian labor force	37,927	38,501	14,783	15,020	23,144	23,481	17,464	17,516	1,690	1,622	15,774	15,894
Percent of population	80.2	79.8	77.2	76.9	82.1	81.7	76.7	76.0	82.2	81.7	76.1	75.4
Employed	35,756	35,968	13,724	13,818	22,032	22,150	16,445	16,306	1,663	1,578	14,782	14,728
Unemployed	2,171	2,533	1,059	1,202	1,112	1,331	1,018	1,210	27	43	991	1,167
Unemployment rate	5.7	6.6	7.2	8.0	4.8	5.7	5.8	6.9	1.6	2.7	6.3	7.3
Not in labor force	9,390	9,764	4,360	4,512	5,030	5,252	5,313	5,541	367	363	4,946	5,178
<b>Females, 20 years and over</b>												
Civilian noninstitutional population	53,646	54,660	22,727	23,069	30,919	31,591	25,195	25,548	1,959	1,863	23,236	23,685
Civilian labor force	28,587	29,568	11,973	12,204	16,614	17,364	12,455	12,854	904	883	11,551	11,971
Percent of population	53.3	54.1	52.7	52.9	53.7	55.0	49.4	50.3	46.2	47.4	49.7	50.5
Employed	26,794	27,580	11,137	11,237	15,657	16,343	11,588	11,864	865	849	10,723	11,015
Unemployed	1,792	1,987	835	967	957	1,020	866	990	39	35	827	955
Unemployment rate	6.3	6.7	7.0	7.9	5.8	5.9	7.0	7.7	4.3	3.9	7.2	8.0
Not in labor force	25,059	25,093	10,754	10,865	14,305	14,228	12,741	12,694	1,055	979	11,686	11,715
<b>Both sexes, 16-19 years</b>												
Civilian noninstitutional population	10,788	10,491	4,241	4,089	6,547	6,402	5,356	5,249	509	456	4,847	4,793
Civilian labor force	5,833	5,503	2,132	1,922	3,701	3,581	2,895	2,738	260	245	2,635	2,493
Percent of population	54.1	52.5	50.3	47.0	56.5	55.9	54.0	52.2	51.1	53.7	54.4	52.0
Employed	4,749	4,372	1,654	1,424	3,095	2,948	2,427	2,155	236	218	2,191	1,937
Unemployed	1,084	1,132	479	499	605	633	468	582	24	27	444	555
Unemployment rate	18.6	20.6	22.5	26.0	16.3	17.7	16.2	21.3	9.3	11.1	16.9	22.3
Not in labor force	4,955	4,987	2,109	2,167	2,846	2,820	2,461	2,512	249	211	2,212	2,301
<b>White</b>												
Civilian noninstitutional population	95,622	96,959	34,857	35,210	60,765	61,749	48,735	49,043	4,263	4,067	44,472	44,976
Civilian labor force	62,313	63,412	22,099	22,332	40,214	41,080	30,168	30,333	2,718	2,640	27,450	27,693
Percent of population	65.2	65.4	63.4	63.4	66.2	66.5	61.9	61.8	63.8	64.9	61.7	61.6
Employed	58,584	59,263	20,689	20,776	37,895	38,487	28,186	27,994	2,643	2,548	25,543	25,446
Unemployed	3,729	4,149	1,410	1,556	2,319	2,593	1,982	2,339	75	92	1,907	2,247
Unemployment rate	6.0	6.5	6.4	7.0	5.8	6.3	6.6	7.7	2.7	3.5	6.9	8.1
Not in labor force	33,309	33,547	12,758	12,878	20,551	20,669	18,567	18,710	1,545	1,427	17,022	17,283
<b>Black and other</b>												
Civilian noninstitutional population	16,129	16,457	11,255	11,480	4,874	4,977	4,593	4,811	261	237	4,332	4,574
Civilian labor force	10,033	10,160	6,789	6,814	3,244	3,346	2,646	2,774	137	110	2,509	2,664
Percent of population	62.2	61.7	60.3	59.4	66.6	67.2	57.6	57.7	52.3	46.5	57.9	58.2
Employed	8,715	8,657	5,825	5,702	2,890	2,955	2,274	2,331	121	97	2,153	2,234
Unemployed	1,318	1,503	96.3	1,111	355	391	371	443	15	14	356	429
Unemployment rate	13.1	14.8	14.2	16.3	10.9	11.7	14.0	16.0	11.3	12.3	14.2	16.1
Not in labor force	6,096	6,297	4,466	4,666	1,630	1,631	1,948	2,037	125	127	1,823	1,910

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**A-70. Employment status of the noninstitutional population in poverty and nonpoverty areas by race**

(Number in thousands)

Employment status and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981
<b>TOTAL</b>												
Civilian noninstitutional population .....	29,362	29,332	135,718	137,939	11,026	11,091	100,725	102,325	18,336	18,240	34,992	35,615
Civilian labor force .....	16,556	16,426	88,603	90,254	5,992	5,985	66,354	67,587	10,565	10,440	22,249	22,667
Percent of population .....	56.4	56.0	65.3	65.4	54.3	54.0	65.9	66.1	57.6	57.2	63.6	63.6
Employed .....	14,915	14,548	82,845	83,698	5,170	5,107	62,129	62,813	9,745	9,440	20,715	20,885
Unemployed .....	1,642	1,878	5,759	6,556	822	878	4,225	4,774	1,820	1,000	1,533	1,782
Unemployment rate .....	9.9	11.4	6.5	7.3	13.7	14.7	6.4	7.1	7.8	9.6	6.9	7.9
Not in labor force .....	12,805	12,906	47,114	47,685	5,034	5,106	34,371	34,738	7,771	7,800	12,743	12,947
<b>White</b>												
Civilian noninstitutional population .....	20,891	20,684	123,465	125,318	5,572	5,635	90,050	91,324	15,320	15,050	33,415	33,994
Civilian labor force .....	12,083	11,867	80,398	81,878	3,129	3,164	59,184	60,248	8,953	8,703	21,214	21,630
Percent of population .....	57.8	57.4	65.1	65.3	56.2	56.2	65.7	66.0	58.4	57.8	63.5	63.6
Employed .....	11,186	10,864	75,584	76,394	2,821	2,862	55,763	56,402	8,365	8,002	19,821	19,992
Unemployed .....	897	1,003	4,814	5,485	309	303	3,421	3,846	588	701	1,393	1,638
Unemployment rate .....	7.4	8.5	6.0	6.7	9.9	9.6	5.8	6.4	6.6	8.1	6.6	7.6
Not in labor force .....	8,809	8,817	43,067	43,440	2,442	2,470	30,866	31,076	6,367	6,347	12,200	12,364
<b>Black and other</b>												
Civilian noninstitutional population .....	8,470	8,647	12,253	12,621	5,454	5,457	10,675	11,000	3,016	3,191	1,577	1,621
Civilian labor force .....	4,474	4,558	8,205	8,376	2,862	2,821	7,171	7,339	1,611	1,737	1,035	1,037
Percent of population .....	52.8	52.7	67.0	66.4	52.5	51.7	67.2	66.7	53.4	54.5	65.6	64.0
Employed .....	3,729	3,684	7,260	7,305	2,349	2,246	6,366	6,411	1,380	1,438	894	893
Unemployed .....	745	875	945	1,071	514	575	805	928	231	299	140	144
Unemployment rate .....	16.6	19.2	11.5	12.8	17.9	20.4	11.2	12.6	14.3	17.2	13.6	13.9
Not in labor force .....	3,996	4,089	4,047	4,245	2,592	2,636	3,504	3,661	1,405	1,453	543	584

**A-71. Unemployment rates in poverty and nonpoverty areas by race, sex, and age**

Race, sex, and age	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981	IV 1980	IV 1981
<b>TOTAL</b>												
Both sexes, 16 years and over .....	9.9	11.4	6.5	7.3	13.7	14.7	6.4	7.1	7.8	9.6	6.9	7.9
Males, 20 years and over .....	7.8	9.7	5.4	6.1	11.1	13.5	5.3	6.0	6.1	7.6	5.7	6.6
Females, 20 years and over .....	9.8	10.4	5.9	6.4	12.7	12.3	5.7	6.2	8.0	9.2	6.5	7.0
Both sexes, 16-19 years .....	23.5	28.4	16.7	19.4	35.3	34.9	17.0	19.3	17.2	24.8	15.7	19.7
<b>White</b>												
Both sexes, 16 years and over .....	7.4	8.5	6.0	6.7	9.9	9.6	5.8	6.4	6.6	8.1	6.6	7.6
Males, 20 years and over .....	6.1	7.4	4.9	5.6	8.3	9.7	4.8	5.3	5.3	6.5	5.4	6.4
Females, 20 years and over .....	7.1	7.3	5.4	5.9	8.6	7.5	5.1	5.7	6.6	7.2	6.2	6.7
Both sexes, 16-19 years .....	17.4	21.4	15.2	17.9	25.6	19.2	15.4	17.4	14.6	22.1	14.9	18.9
<b>Black and other</b>												
Both sexes, 16 years and over .....	16.6	19.2	11.5	12.8	17.9	20.4	11.2	12.6	14.3	17.2	13.6	13.9
Males, 20 years and over .....	13.4	16.7	10.1	11.7	14.8	18.7	9.7	11.8	11.1	13.5	12.2	11.6
Females, 20 years and over .....	15.6	17.0	9.7	10.4	16.2	16.6	9.5	10.2	14.6	17.5	11.1	12.0
Both sexes, 16-19 years .....	41.4	46.2	33.8	38.3	46.6	50.3	33.4	38.3	32.3	38.9	35.7	38.5

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**A-72. Unemployment in families by type of family, race, Hispanic origin, and presence of employed family members**

(Numbers in thousands)

Type of family, race, and Hispanic origin	IV 1980					IV 1981				
	Total families	With unemployment:			Total families	With unemployment:				
		Total	Percent of families:			Total	Percent of families:			
			With no employed person in family	With at least one employed person in family			With at least one person in family employed full time	With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
<b>TOTAL</b>										
Total families . . . . .	59,535	5,786	29.4	70.6	62.5	60,038	6,467	28.8	71.2	61.9
With children under 18 years of age . . . . .	30,304	3,610	30.4	69.6	61.4	30,459	4,004	30.8	69.2	59.8
Married-couple families . . . . .	48,325	4,218	21.3	78.7	70.9	48,463	4,723	21.5	78.5	69.9
With children under 18 years of age . . . . .	24,114	2,650	20.3	79.7	71.7	24,068	2,975	21.3	78.7	69.8
Families maintained by females . . . . .	8,913	1,298	52.8	47.2	37.5	9,197	1,417	50.7	49.3	37.9
With children under 18 years of age . . . . .	5,395	851	59.0	41.0	31.8	5,589	919	59.8	40.2	29.8
Families maintained by males . . . . .	2,297	271	42.2	57.8	50.7	2,378	328	39.5	60.5	49.5
With children under 18 years of age . . . . .	795	110	52.7	47.3	41.8	802	110	49.1	50.9	41.8
<b>White</b>										
Total families . . . . .	52,123	4,514	26.3	73.7	65.5	52,499	5,029	26.0	74.0	64.7
With children under 18 years of age . . . . .	25,838	2,738	26.3	73.7	65.3	25,900	3,038	27.1	72.9	63.4
Married-couple families . . . . .	44,121	3,608	21.2	78.8	70.9	44,214	3,974	21.4	78.6	69.9
With children under 18 years of age . . . . .	21,710	2,229	19.9	80.1	71.6	21,600	2,464	21.2	78.8	69.7
Families maintained by females . . . . .	6,152	711	48.3	51.7	42.0	6,338	815	44.7	55.3	43.4
With children under 18 years of age . . . . .	3,492	428	54.7	45.3	36.2	3,632	492	53.4	46.6	34.8
Families maintained by males . . . . .	1,850	195	42.1	57.9	50.3	1,947	240	39.2	60.8	50.4
With children under 18 years of age . . . . .	636	81	51.2	48.8	42.0	668	82	45.1	54.9	46.3
<b>Black</b>										
Total families . . . . .	6,449	1,177	40.6	59.4	51.1	6,520	1,314	39.0	61.0	51.7
With children under 18 years of age . . . . .	3,908	806	43.9	56.1	48.4	3,930	878	43.3	56.7	48.2
Married-couple families . . . . .	3,455	545	21.1	78.9	71.7	3,451	661	21.4	78.6	70.9
With children under 18 years of age . . . . .	1,952	371	20.5	79.5	73.3	1,966	449	21.2	78.8	71.0
Families maintained by females . . . . .	2,616	566	59.0	41.0	31.1	2,702	574	59.0	41.0	30.3
With children under 18 years of age . . . . .	1,817	408	64.1	35.9	26.2	1,853	405	67.4	32.6	23.5
Families maintained by males . . . . .	378	66	44.6	55.4	52.3	367	79	41.8	58.2	46.8
With children under 18 years of age . . . . .	138	27	(1)	(1)	(1)	111	24	(1)	(1)	(1)
<b>Hispanic origin</b>										
Total families . . . . .	3,194	431	31.9	68.1	60.0	3,367	482	31.3	68.7	59.5
With children under 18 years of age . . . . .	2,215	319	32.8	67.2	59.4	2,292	344	32.2	67.8	59.1
Married-couple families . . . . .	2,334	326	24.2	76.0	67.2	2,455	350	24.8	75.2	67.2
With children under 18 years of age . . . . .	1,639	244	24.6	75.4	67.2	1,711	272	24.5	75.5	67.0
Families maintained by females . . . . .	683	83	60.2	39.8	34.9	722	100	49.0	51.0	37.0
With children under 18 years of age . . . . .	512	59	(1)	(1)	(1)	526	65	61.5	38.5	26.1
Families maintained by males . . . . .	178	23	(1)	(1)	(1)	190	31	(1)	(1)	(1)
With children under 18 years of age . . . . .	64	16	(1)	(1)	(1)	54	7	(1)	(1)	(1)

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

**HOUSEHOLD DATA  
QUARTERLY AVERAGES**

**A-73. Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members**

(Numbers in thousands)

Family relationship, race, and Hispanic origin	IV 1980				IV 1981			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed persons in family	With at least one employed person in family	With at least one person in family employed full time		With no employed persons in family	With at least one employed person in family	With at least one person in family employed full time
<b>TOTAL</b>								
Total unemployed	7,401	41.4	58.6	51.6	8,434	40.9	59.1	51.3
In families	6,346	31.7	68.3	60.2	7,229	31.0	69.0	59.8
Husbands	1,498	45.4	54.6	41.2	1,780	44.6	55.4	41.9
With children under 18 years of age	970	48.1	51.9	36.8	1,160	48.5	51.5	36.9
Wives	1,371	18.6	81.4	76.2	1,513	18.1	81.9	75.7
With children under 18 years of age	860	14.3	85.7	80.7	973	16.8	83.2	76.8
Relatives in married-couple families	1,718	9.4	90.6	85.6	1,965	10.5	89.5	83.9
Females who maintain families	535	82.6	17.4	10.1	600	81.0	19.0	10.8
With children under 18 years of age	451	87.5	12.5	5.9	491	89.3	10.7	4.1
Relatives in families maintained by females	924	37.1	62.9	52.7	1,000	32.5	67.5	54.2
Males who maintain families	118	71.4	28.6	18.6	144	65.7	34.3	23.8
With children under 18 years of age	59	(2)	(2)	(2)	62	78.6	21.4	13.6
Relatives in families maintained by males	183	26.0	74.0	67.9	227	27.4	72.6	62.8
Not in families <sup>1</sup>	1,055	--	--	--	1,205	--	--	--
<b>White</b>								
Total unemployed	5,711	39.2	60.8	53.8	6,488	38.9	61.1	53.3
In families	4,878	28.8	71.2	63.0	5,539	28.4	71.6	62.4
Husbands	1,281	45.0	55.0	40.8	1,487	44.8	55.2	40.7
With children under 18 years of age	813	48.3	51.7	35.1	942	49.1	50.9	35.2
Wives	1,174	18.5	81.5	76.4	1,273	17.5	82.5	76.7
With children under 18 years of age	718	14.1	85.9	80.9	798	15.6	84.4	77.9
Relatives in married-couple families	1,432	9.0	91.0	86.2	1,630	10.6	89.4	84.2
Females who maintain families	275	79.9	20.1	11.6	327	75.4	24.6	14.3
With children under 18 years of age	221	86.6	13.4	5.7	253	87.4	12.6	4.9
Relatives in families maintained by females	500	34.2	65.8	56.2	546	27.1	72.9	60.0
Males who maintain families	82	70.0	30.0	18.5	106	64.2	35.8	26.5
With children under 18 years of age	41	(2)	(2)	(2)	46	(2)	(2)	(2)
Relatives in families maintained by males	133	26.7	73.3	66.8	170	30.3	69.7	59.9
Not in families <sup>1</sup>	833	--	--	--	949	--	--	--
<b>Black</b>								
Total unemployed	1,538	49.4	50.6	43.6	1,776	47.7	52.3	44.3
In families	1,345	42.2	57.8	49.9	1,543	39.8	60.2	50.9
Husbands	186	45.3	54.7	45.7	256	42.8	57.2	50.2
With children under 18 years of age	134	43.8	56.2	47.9	188	45.3	54.7	45.9
Wives	168	20.2	79.8	73.7	206	21.4	78.6	70.5
With children under 18 years of age	123	15.8	84.2	79.6	148	22.0	78.0	71.7
Relatives in married-couple families	251	11.8	88.2	82.0	300	9.7	90.3	83.0
Females who maintain families	253	86.0	14.0	7.9	257	88.0	12.0	6.1
With children under 18 years of age	224	88.7	11.3	5.4	226	91.3	8.7	3.0
Relatives in families maintained by females	411	40.7	59.3	48.3	437	39.0	61.0	46.9
Males who maintain families	31	(2)	(2)	(2)	33	(2)	(2)	(2)
With children under 18 years of age	16	(2)	(2)	(2)	13	(2)	(2)	(2)
Relatives in families maintained by males	44	(2)	(2)	(2)	53	(2)	(2)	(2)
Not in families <sup>1</sup>	193	--	--	--	233	--	--	--
<b>Hispanic origin</b>								
Total unemployed	548	40.9	59.1	52.2	629	43.2	56.8	48.8
In families	485	33.1	66.9	59.0	543	34.2	65.8	56.6
Husbands	129	52.0	48.0	36.2	154	50.2	49.8	39.2
With children under 18 years of age	103	52.4	47.6	35.4	124	50.9	49.1	38.1
Wives	90	17.1	82.9	74.8	102	13.1	86.9	79.3
With children under 18 years of age	64	14.5	85.5	78.7	74	11.7	88.3	80.8
Relatives in married-couple families	148	8.5	91.5	84.6	133	12.2	87.8	82.0
Females who maintain families	33	(2)	(2)	(2)	45	(2)	(2)	(2)
With children under 18 years of age	28	(2)	(2)	(2)	35	(2)	(2)	(2)
Relatives in families maintained by females	60	47.1	52.9	48.2	64	34.3	65.7	51.2
Males who maintain families	11	(2)	(2)	(2)	19	(2)	(2)	(2)
With children under 18 years of age	9	(2)	(2)	(2)	5	(2)	(2)	(2)
Relatives in families maintained by males	15	(2)	(2)	(2)	25	(2)	(2)	(2)
Not in families <sup>1</sup>	63	--	--	--	86	--	--	--

<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> Percent not shown where base is less than 60,000.

**HOUSEHOLD DATA  
QUARTERLY AVERAGES**

**A-74. Employed persons by family relationship, race, Hispanic origin, and presence of additional employed family members**

(Numbers in thousands)

Family relationship, race, and Hispanic origin	IV 1980				IV 1981			
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed person in family	With another employed person in family	With another person in family employed full time		With no other employed person in family	With another employed person in family	With another person in family employed full time
<b>TOTAL</b>								
Total employed .....	97,759	37.8	62.2	52.6	98,246	37.9	62.1	52.1
In families .....	82,872	26.6	73.4	62.1	82,941	26.4	73.6	61.7
Husbands .....	37,546	37.1	62.9	45.2	37,133	36.1	63.9	45.2
With children under 18 years of age .....	22,103	39.7	60.3	39.3	21,875	38.6	61.4	39.4
Wives .....	23,200	9.6	90.4	85.5	23,520	9.9	90.1	85.0
With children under 18 years of age .....	12,401	5.4	94.6	90.8	12,644	6.1	93.9	89.8
Relatives in married-couple families .....	11,055	5.7	94.3	90.5	10,941	6.2	93.8	89.5
Females who maintain families .....	3,757	66.3	33.7	22.3	4,996	67.1	32.9	21.6
With children under 18 years of age .....	3,163	78.4	21.6	10.7	3,329	79.3	20.7	10.0
Relatives in families maintained by females .....	3,488	27.6	72.4	61.2	3,489	28.2	71.8	60.0
Males who maintain families .....	1,656	56.8	43.2	32.3	1,627	58.0	42.0	31.4
With children under 18 years of age .....	669	70.0	30.0	15.8	660	74.0	26.0	14.9
Relatives in families maintained by males .....	1,171	15.5	84.5	78.2	1,234	19.0	81.0	72.7
Not in families <sup>1</sup> .....	14,887	--	--	--	15,305	--	--	--
<b>White</b>								
Total employed .....	86,770	37.3	62.7	52.8	87,258	37.3	62.7	52.3
In families .....	73,702	26.2	73.8	62.2	73,829	25.9	74.1	61.8
Husbands .....	34,431	37.7	62.3	44.1	34,041	36.5	63.5	44.2
With children under 18 years of age .....	20,073	40.6	59.4	37.6	19,822	39.3	60.7	37.7
Wives .....	20,845	9.1	90.9	86.0	21,165	9.4	90.6	85.5
With children under 18 years of age .....	10,957	4.9	95.1	91.3	11,162	5.4	94.6	90.5
Relatives in married-couple families .....	10,090	5.6	94.4	90.8	9,976	6.1	93.9	89.7
Females who maintain families .....	3,438	64.8	35.2	22.6	3,615	64.7	35.3	22.9
With children under 18 years of age .....	2,239	77.2	22.8	10.0	2,365	78.0	22.0	10.0
Relatives in families maintained by females .....	2,594	27.5	72.5	61.4	2,674	28.3	71.7	60.2
Males who maintain families .....	1,355	56.2	43.8	32.5	1,356	58.0	42.0	30.8
With children under 18 years of age .....	550	68.3	31.7	16.2	565	72.3	27.7	15.6
Relatives in families maintained by males .....	949	14.9	85.1	78.6	1,001	19.9	80.1	71.6
Not in families <sup>1</sup> .....	13,068	--	--	--	13,429	--	--	--
<b>Black</b>								
Total employed .....	9,157	43.1	56.9	49.7	9,146	44.1	55.9	48.4
In families .....	7,630	31.7	68.3	59.6	7,555	32.3	67.7	58.6
Husbands .....	2,530	30.6	69.4	57.4	2,479	30.3	69.7	57.8
With children under 18 years of age .....	1,640	31.1	68.9	56.2	1,622	30.4	69.6	57.9
Wives .....	1,875	14.6	85.4	80.1	1,873	15.5	84.5	78.3
With children under 18 years of age .....	1,151	10.3	89.7	85.4	1,174	12.2	87.8	82.6
Relatives in married-couple families .....	735	7.8	92.2	86.6	717	8.0	92.0	86.3
Females who maintain families .....	1,236	71.2	28.8	21.1	1,299	73.8	26.2	18.1
With children under 18 years of age .....	878	82.2	17.8	11.8	910	82.9	17.1	10.0
Relatives in families maintained by females .....	822	29.2	70.8	59.3	762	28.4	71.6	59.2
Males who maintain families .....	251	61.2	38.8	30.2	230	58.0	42.0	33.9
With children under 18 years of age .....	105	76.7	23.3	14.9	82	85.3	14.7	9.0
Relatives in families maintained by males .....	181	20.9	79.1	75.2	194	16.2	83.8	74.6
Not in families <sup>1</sup> .....	1,527	--	--	--	1,591	--	--	--
<b>Hispanic origin</b>								
Total employed .....	5,046	38.9	61.1	52.9	5,214	38.8	61.2	52.4
In families .....	4,373	29.5	70.5	61.0	4,550	29.9	70.1	60.0
Husbands .....	1,912	42.4	57.6	44.5	2,011	41.8	58.2	45.0
With children under 18 years of age .....	1,430	44.6	55.4	42.0	1,472	44.8	55.2	41.0
Wives .....	1,015	8.0	92.0	86.3	1,061	9.3	90.7	85.3
With children under 18 years of age .....	705	7.0	93.0	87.3	723	8.6	91.4	87.0
Relatives in married-couple families .....	689	6.4	93.6	86.7	679	5.8	94.2	87.6
Females who maintain families .....	294	72.9	27.1	19.4	307	71.3	28.7	20.5
With children under 18 years of age .....	222	80.2	19.8	11.1	220	80.6	19.4	11.0
Relatives in families maintained by females .....	192	26.4	73.6	62.4	237	31.7	68.3	54.3
Males who maintain families .....	145	51.6	48.4	42.6	129	51.8	48.2	36.8
With children under 18 years of age .....	51	(2)	(2)	(2)	44	(2)	(2)	(2)
Relatives in families maintained by males .....	127	9.2	90.8	84.9	125	16.0	84.0	68.3
Not in families <sup>1</sup> .....	673	--	--	--	664	--	--	--

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



**HOUSEHOLD DATA  
QUARTERLY AVERAGES**

**A-76. 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			
	III 1980	III 1981	III 1980	III 1981	Percent change over the year in:	
					Current dollars	Constant dollars
<b>TOTAL</b>						
Total families with earners <sup>1</sup> .....	40,276	40,508	\$412	\$443	7.4	-3.0
Married-couple families .....	33,019	33,227	443	481	8.7	-1.9
One earner .....	14,711	14,274	316	338	6.9	-3.5
Husband .....	12,039	11,657	348	379	8.7	-1.8
Wife .....	2,013	1,973	166	188	12.7	1.7
Other family member .....	659	644	169	183	8.2	-2.3
Two or more earners .....	18,308	18,953	551	597	8.3	-2.2
Husband and wife .....	15,197	15,716	553	601	8.7	-1.9
Husband and other family member(s) .....	2,510	2,599	581	618	6.4	-4.0
Wife and other family member(s) .....	439	475	384	362	-5.7	-14.9
Other family members only .....	163	163	366	333	-9.2	-18.0
Families maintained by females .....	5,558	5,700	235	248	5.8	-4.5
One earner .....	3,872	4,043	193	203	5.3	-4.9
Householder .....	2,901	3,096	196	211	7.8	-2.7
Other family member .....	971	947	181	175	-3.4	-12.8
Two or more earners .....	1,686	1,657	381	410	7.6	-2.9
Families maintained by males .....	1,699	1,581	371	389	4.7	-5.5
One earner .....	1,075	1,001	289	314	8.8	-1.8
Two or more earners .....	624	580	534	540	1.1	-8.7
<b>White</b>						
Total families with earners <sup>1</sup> .....	35,136	35,347	422	457	8.3	-2.3
Married-couple families .....	29,689	29,927	447	489	9.4	-1.3
One earner .....	13,472	12,979	324	349	7.7	-2.8
Husband .....	11,207	10,769	355	389	9.6	-1.0
Wife .....	1,675	1,640	170	188	10.7	0
Two or more earners .....	16,218	16,948	557	603	8.4	-2.1
Husband and wife .....	13,420	14,054	558	607	8.6	-1.9
Families maintained by females .....	4,069	4,132	245	256	4.8	-5.4
Families maintained by males .....	1,378	1,288	391	409	4.8	-5.4
<b>Black</b>						
Total families with earners <sup>1</sup> .....	4,435	4,455	317	324	2.3	-7.6
Married-couple families .....	2,776	2,752	393	397	1.0	-8.8
One earner .....	1,034	1,095	213	246	15.6	4.4
Husband .....	674	731	247	280	13.2	2.2
Wife .....	304	303	145	186	27.9	15.5
Two or more earners .....	1,742	1,656	494	516	4.3	-5.9
Husband and wife .....	1,488	1,365	502	533	6.3	-4.0
Families maintained by females .....	1,386	1,458	200	228	13.9	2.8
Families maintained by males .....	273	246	276	310	12.3	1.3
<b>Hispanic origin</b>						
Total families with earners <sup>1</sup> .....	2,339	2,472	316	346	9.7	-0.9
Married-couple families .....	1,840	1,977	335	372	11.2	0.4
One earner .....	922	942	232	242	4.2	-6.0
Husband .....	800	799	244	263	7.7	-2.7
Wife .....	87	97	(2)	(2)	--	--
Two or more earners .....	918	1,036	472	488	3.4	-6.7
Husband and wife .....	709	812	484	491	1.5	-8.4
Families maintained by females .....	330	356	213	231	8.6	-2.0
Families maintained by males .....	169	139	360	319	-11.3	-19.9

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

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these earnings data. Because the index for the most recent quarter is not available at the time *Employment and Earnings* is published, it is necessary to lag the publication of these tables by 1 quarter.

**HOUSEHOLD DATA  
QUARTERLY AVERAGES**

**A-76. Families with unemployed members and wage and salary workers by type of family and median weekly earnings**

Type of family and relationship of unemployed members to wage and salary earners	Number of families (in thousands)		Median weekly earnings			
	III 1980	III 1981	III 1980	III 1981	Percent change over the year in:	
					Current dollars	Constant dollars
Married-couple families <sup>1</sup> .....	3,396	3,309	\$343	\$361	5.3	-4.9
Husband unemployed .....	879	781	187	201	7.2	-3.2
Wife only earner .....	649	598	176	188	6.8	-3.6
Wife and other earner(s) .....	116	105	371	366	-1.2	-10.8
Other earner(s) only .....	115	79	148	140	-5.1	-14.3
Wife unemployed .....	1,156	1,137	327	337	3.1	-6.9
Husband only earner .....	941	964	311	317	1.9	-8.0
Husband and other earner(s) .....	176	148	477	555	16.3	5.0
Other earner(s) only .....	40	25	(2)	(2)	--	--
Other member(s) unemployed .....	1,361	1,390	489	536	9.5	-1.2
Husband or wife earner .....	658	637	411	447	8.8	-1.8
Both husband and wife earners .....	664	706	587	610	3.8	-6.3
Other combinations of earners .....	39	47	(2)	(2)	--	--
Families maintained by females <sup>1</sup> .....	622	664	219	218	-0.8	-10.5
Householder unemployed .....	96	92	(2)	(2)	--	--
Other member(s) unemployed .....	526	572	\$230	\$229	-0.5	-10.1
Families maintained by males <sup>1</sup> .....	213	199	350	301	-13.8	-22.2

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

**HOUSEHOLD DATA  
QUARTERLY AVERAGES**

**A-77. Median weekly earnings of full-time wage and salary workers by selected characteristics**

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	III 1980	III 1981	III 1980	III 1981	Percent change over the year in :	
					Current dollars	Constant dollars
<b>SEX AND AGE</b>						
Total, 16 years and over .....	71,737	72,783	\$266	\$287	8.0	-2.5
Males, 16 years and over .....	43,755	44,267	321	346	7.6	-2.9
16 to 24 years .....	8,591	8,532	212	220	3.9	-6.2
25 years and over .....	35,165	35,735	350	381	9.0	-1.6
Females, 16 years and over .....	27,982	28,517	205	225	9.6	-1.1
16 to 24 years .....	6,617	6,478	168	182	8.2	-2.3
25 years and over .....	21,365	22,039	221	239	8.3	-2.2
<b>FAMILY RELATIONSHIP</b>						
Husbands .....	29,396	29,553	353	387	9.6	-1.0
Wives .....	14,260	14,502	211	230	8.6	-1.9
Others in married-couple families .....	7,398	7,877	178	190	6.6	-3.8
Females who maintain families .....	3,676	3,764	215	232	7.8	-2.7
Others in such families .....	2,564	2,525	194	198	2.4	-7.6
Males who maintain families .....	1,400	1,268	317	341	7.6	-2.8
Others in such families .....	919	863	196	207	5.6	-4.7
All other males <sup>1</sup> .....	6,576	6,832	299	324	8.3	-2.2
All other females <sup>1</sup> .....	5,548	5,600	222	248	12.1	1.2
<b>RACE AND HISPANIC ORIGIN</b>						
White .....	62,923	63,935	273	294	7.4	-3.0
Males .....	39,036	39,501	328	354	7.9	-2.6
Females .....	23,887	24,434	207	226	9.3	-1.3
Black .....	7,420	7,421	220	241	9.8	-.9
Males .....	3,971	3,998	247	276	11.6	-.8
Females .....	3,449	3,422	192	212	10.7	-.1
Hispanic origin .....	4,155	4,246	214	230	7.6	-2.9
Males .....	2,644	2,794	236	251	6.3	-4.0
Females .....	1,511	1,452	177	193	9.2	-1.4

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

**HOUSEHOLD DATA  
QUARTERLY AVERAGES**

**A-78. Median weekly earnings of part-time wage and salary workers by selected characteristics**

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	III 1980	III 1981	III 1980	III 1981	Percent change over the year in:	
					Current dollars	Constant dollars
<b>SEX AND AGE</b>						
Total, 16 years and over .....	14,491	14,833	\$77	\$84	9.0	-1.6
Males, 16 years and over .....	4,409	4,514	76	82	7.0	-3.4
16 to 24 years .....	2,711	2,728	72	75	3.2	-6.9
25 years and over .....	1,697	1,785	89	102	14.1	3.0
Females, 16 years and over .....	10,083	10,320	77	86	11.4	.5
16 to 24 years .....	3,599	3,565	65	75	15.4	4.2
25 years and over .....	6,484	6,755	87	94	8.2	-2.3
<b>FAMILY RELATIONSHIP</b>						
Husbands .....	1,193	1,255	93	101	8.9	-1.7
Wives .....	5,195	5,377	89	96	7.4	-3.1
Others in married-couple families .....	4,237	4,247	64	72	11.9	1.1
Females who maintain families .....	690	753	83	92	11.0	.2
Others in such families .....	943	1,009	68	72	6.7	-3.7
Males who maintain families .....	90	80	(2)	(2)	--	--
Others in such families .....	211	249	82	79	-4.4	-13.7
All other males <sup>1</sup> .....	626	586	94	103	10.2	-6
All other females <sup>1</sup> .....	1,307	1,278	74	89	20.5	8.8
<b>RACE AND HISPANIC ORIGIN</b>						
White .....	12,797	13,180	77	84	9.2	-1.4
Males .....	3,777	3,917	76	82	8.0	-2.5
Females .....	9,020	9,263	78	86	11.3	.5
Black .....	1,431	1,425	73	82	12.0	1.1
Males .....	528	509	79	81	3.0	-7.0
Females .....	903	916	70	83	17.2	5.8
Hispanic origin .....	579	678	89	92	3.8	-6.3
Males .....	225	237	93	90	-2.9	-12.3
Females .....	354	442	82	94	14.6	3.5

<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.

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

HOUSEHOLD DATA  
QUARTERLY AVERAGES

A-79. Median weekly earnings of full-time wage and salary workers by occupation and sex

Occupation and sex	Number of workers (in thousands)		Median weekly earnings			
	III 1980	III 1981	III 1980	III 1981	Percent change over the year in:	
					Current dollars	Constant dollars
<b>TOTAL</b>						
Professional and technical workers . . . . .	12,120	12,295	\$340	\$377	11.0	0.2
Managers and administrators, except farm . . . . .	7,721	7,782	391	414	5.8	-4.4
Sales workers . . . . .	3,559	3,551	273	295	8.0	-2.5
Clerical workers . . . . .	14,131	14,168	217	234	8.0	-2.5
Craft and kindred workers . . . . .	10,631	10,595	327	359	10.1	-0.6
Operatives, except transport . . . . .	9,105	9,740	226	242	7.1	-3.3
Transport equipment operatives . . . . .	2,915	2,852	293	309	5.5	-4.8
Nonfarm laborers . . . . .	3,323	3,540	216	236	9.3	-1.4
Service workers . . . . .	7,442	7,361	179	190	6.6	-3.8
Farm workers . . . . .	790	901	173	175	1.1	-8.7
<b>Males</b>						
Professional and technical workers . . . . .	6,970	6,998	403	436	8.3	-2.2
Managers and administrators, except farm . . . . .	5,700	5,692	440	476	8.0	-2.5
Sales workers . . . . .	2,353	2,328	333	371	11.3	.4
Clerical workers . . . . .	3,186	3,070	304	326	7.3	-3.2
Craft and kindred workers . . . . .	10,028	10,026	333	367	10.0	-0.7
Operatives, except transport . . . . .	5,515	6,032	274	298	8.6	-2.0
Transport equipment operatives . . . . .	2,789	2,693	295	315	6.7	-3.7
Nonfarm laborers . . . . .	2,974	3,172	223	242	9.0	-1.6
Service workers . . . . .	3,560	3,458	223	233	4.7	-5.5
Farm workers . . . . .	679	797	179	180	.6	-9.2
<b>Females</b>						
Professional and technical workers . . . . .	5,150	5,297	289	323	11.5	.7
Managers and administrators, except farm . . . . .	2,021	2,090	264	285	7.7	-2.8
Sales workers . . . . .	1,206	1,223	174	194	10.9	.1
Clerical workers . . . . .	10,945	11,099	201	221	9.9	-0.8
Craft and kindred workers . . . . .	603	569	209	238	13.8	2.8
Operatives, except transport . . . . .	3,590	3,708	176	187	6.6	-3.8
Transport equipment operatives . . . . .	126	159	244	239	-2.1	-11.6
Nonfarm laborers . . . . .	349	368	168	191	13.3	2.3
Service workers . . . . .	3,882	3,902	148	167	12.7	1.8
Farm workers . . . . .	110	104	139	141	1.3	-8.6



# ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P
		<b>TOTAL</b> .....									
		91,599	91,750	92,424	92,272	92,015	-	-	-	-	-
	<b>PRIVATE SECTOR</b> .....	75,126	75,315	76,403	76,108	75,859	61,124	61,279	62,007	61,693	61,436
	<b>MINING</b> .....	1,051	1,060	1,164	1,173	1,163	779	785	857	865	851
	<b>METAL MINING</b> .....	95.2	101.8	100.1	98.6	-	71.6	76.8	75.4	73.9	-
101	Iron ores .....	18.8	20.4	21.5	20.8	-	14.2	15.6	16.6	15.9	-
102	Copper ores .....	31.5	36.4	35.7	35.6	-	24.5	28.2	27.5	27.4	-
	<b>COAL MINING</b> .....	250.1	249.7	257.3	260.8	-	207.0	206.2	212.6	216.6	-
11, 12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	246.6	246.2	253.8	257.3	-	203.9	203.1	209.5	213.5	-
	<b>OIL AND GAS EXTRACTION</b> .....	583.2	590.5	686.1	695.6	-	405.4	410.9	477.4	484.2	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	232.8	234.9	265.1	267.1	-	104.6	105.4	115.5	115.9	-
138	Oil and gas field services .....	350.4	355.6	421.0	428.5	-	300.8	305.5	361.9	368.3	-
	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	122.1	118.2	120.1	117.9	-	95.1	91.4	92.0	89.9	-
142	Crushed and broken stone .....	38.6	36.6	36.6	35.8	-	32.1	30.2	29.9	29.1	-
144	Sand and gravel .....	36.2	34.1	35.0	33.8	-	-	-	-	-	-
147	Chemical and fertilizer minerals .....	26.9	27.0	27.1	27.1	-	-	-	-	-	-
	<b>CONSTRUCTION</b> .....	4,533	4,343	4,493	4,368	4,156	3,575	3,392	3,529	3,411	3,198
	<b>GENERAL BUILDING CONTRACTORS</b> .....	1,249.3	1,203.6	1,211.1	1,170.0	-	957.7	914.6	923.1	884.1	-
152	Residential building construction .....	621.3	552.7	608.0	584.5	-	461.3	435.2	446.6	425.0	-
153	Operative builders .....	64.0	63.2	57.0	53.3	-	36.7	35.9	32.5	28.8	-
154	Nonresidential building construction .....	564.0	547.7	546.1	532.2	-	459.7	443.5	448.0	430.3	-
	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	944.5	867.3	947.7	912.7	-	757.1	685.0	770.1	738.1	-
161	Highway and street construction .....	270.7	227.5	260.0	240.3	-	230.5	187.9	220.4	201.4	-
162	Heavy construction, except highway .....	673.8	639.8	687.7	672.4	-	526.6	497.1	549.7	536.7	-
	<b>SPECIAL TRADE CONTRACTORS</b> .....	2,339.4	2,272.4	2,334.2	2,285.3	-	1,860.0	1,792.8	1,835.5	1,788.8	-
171	Plumbing, heating, air conditioning .....	553.8	548.5	557.0	551.1	-	417.5	411.3	413.2	407.4	-
172	Painting, paper hanging, decorating .....	144.6	135.8	148.4	142.9	-	122.0	112.9	123.3	118.5	-
173	Electrical work .....	425.6	421.7	425.4	419.7	-	331.1	327.9	329.9	324.6	-
174	Masonry, stonework, and plastering .....	374.2	362.1	366.2	357.3	-	323.1	311.1	311.8	303.0	-
175	Carpentering and flooring .....	127.8	127.1	127.6	123.3	-	96.8	96.1	94.7	90.9	-
176	Roofing and sheet metal work .....	182.7	171.6	181.9	181.6	-	149.9	138.6	148.0	147.4	-
	<b>MANUFACTURING</b> .....	20,293	20,238	20,368	20,115	19,854	14,190	14,126	14,147	13,896	13,662
24, 25, 32-39	<b>DURABLE GOODS</b> .....	12,156	12,147	12,163	11,997	11,828	8,391	8,374	8,313	8,148	7,997
20-23, 28-31	<b>NONDURABLE GOODS</b> .....	8,137	8,091	8,205	8,118	8,026	5,799	5,752	5,834	5,748	5,665
	<b>DURABLE GOODS</b>										
	<b>LUMBER AND WOOD PRODUCTS</b> .....	687.9	685.9	664.5	640.0	625.3	573.7	572.2	550.3	526.5	511.9
241	Logging camps and logging contractors .....	83.0	82.1	86.2	83.2	-	66.0	65.2	68.4	65.3	-
242	Sawmills and planing mills .....	211.6	211.0	199.7	192.4	-	186.9	186.2	175.4	168.9	-
2421	Sawmills and planing mills, general .....	176.0	175.4	165.5	158.9	-	155.8	155.2	145.9	140.0	-
2428	Hardwood dimension and flooring .....	30.2	30.5	29.4	28.7	-	26.1	26.4	25.3	24.6	-
243	Millwork, plywood, and structural members .....	206.2	207.2	195.0	186.3	-	170.1	171.2	159.7	151.2	-
2431	Millwork .....	72.2	72.4	68.3	65.3	-	58.2	58.3	54.4	51.4	-
2434	Wood kitchen cabinets .....	48.3	49.1	47.6	44.8	-	39.0	39.7	37.6	34.9	-
2435	Hardwood veneer and plywood .....	25.7	26.1	26.6	25.8	-	22.5	23.0	23.4	22.6	-
2436	Softwood veneer and plywood .....	43.0	43.2	38.8	37.2	-	37.5	37.9	34.5	33.1	-
244	Wood containers .....	41.2	41.6	41.5	39.9	-	35.6	36.0	35.2	33.6	-
245	Wood buildings and mobile homes .....	66.2	63.8	63.2	61.1	-	48.9	47.0	45.8	43.2	-
2451	Mobile homes .....	46.8	44.9	46.4	45.1	-	35.8	34.4	35.1	33.3	-
249	Miscellaneous wood products .....	79.7	80.2	78.9	77.1	-	66.2	66.6	65.8	64.3	-
	<b>FURNITURE AND FIXTURES</b> .....	468.6	470.5	483.5	476.7	472.8	378.6	380.5	389.2	381.9	378.0
251	Household furniture .....	307.4	310.4	311.0	306.9	-	257.9	260.7	259.8	255.4	-
2511	Wood household furniture .....	140.1	140.7	140.6	138.2	-	121.8	122.4	122.1	119.5	-
2512	Upholstered household furniture .....	95.1	96.4	97.4	96.3	-	78.2	79.4	79.1	77.9	-
2514	Metal household furniture .....	29.3	30.8	30.4	31.0	-	23.6	24.9	24.6	25.0	-
2515	Mattresses and bedsprings .....	29.6	25.3	29.7	28.6	-	22.7	22.5	22.8	21.8	-
252	Office furniture .....	49.1	49.5	53.1	53.0	-	38.7	38.9	41.5	41.3	-
253	Public building and related furniture .....	23.8	23.5	25.6	25.3	-	17.6	17.3	19.4	19.0	-
254	Partitions and fixtures .....	61.4	60.1	64.4	62.3	-	45.7	44.8	48.0	46.1	-
259	Miscellaneous furniture and fixtures .....	26.9	27.0	29.4	29.2	-	18.7	18.8	20.5	20.1	-

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>				
		Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
2885	Cyclic crudes and intermediates .....	34.4	34.3	35.1	34.9	-	20.6	20.5	21.7	21.6	-
2861,9	Gum, wood, and industrial organic chemicals, nec .....	135.2	134.8	135.7	135.8	-	64.5	64.8	63.7	64.5	-
287	Agricultural chemicals .....	71.1	71.0	71.8	72.0	-	44.1	44.1	44.7	44.9	-
289	Miscellaneous chemical products .....	94.6	95.0	95.8	95.9	-	54.0	54.5	54.8	54.6	-
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	209.5	206.8	211.4	210.6	207.3	134.4	131.1	131.3	129.9	129.8
291	Petroleum refining .....	165.9	166.6	169.9	170.3	-	102.4	102.4	101.7	101.5	-
295	Paving and roofing materials .....	31.5	28.1	29.3	28.2	-	24.3	21.0	22.2	21.0	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b> .....	730.6	733.2	748.2	737.2	726.2	563.5	565.6	576.6	565.9	556.5
301	Tires and inner tubes .....	120.9	121.6	121.3	121.6	-	85.4	86.5	84.1	84.4	-
302	Rubber and plastics footwear .....	22.1	21.2	18.6	19.0	-	19.5	18.7	16.2	16.7	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting .....	22.9	23.2	23.4	22.8	-	16.0	15.9	16.6	16.1	-
306	Fabricated rubber products, nec .....	105.8	105.9	106.7	104.4	-	82.6	82.4	83.0	80.6	-
307	Miscellaneous plastics products .....	458.9	461.3	478.2	469.4	-	360.0	362.1	376.7	368.1	-
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	232.5	229.4	235.7	232.3	229.2	196.7	193.1	200.6	197.9	194.8
311	Leather tanning and finishing .....	19.3	19.5	20.7	19.9	-	16.1	16.3	17.4	16.6	-
314	Footwear, except rubber .....	143.1	140.9	143.1	141.2	-	123.1	120.5	124.0	122.7	-
3143	Men's footwear, except athletic .....	56.9	56.7	58.5	58.2	-	49.1	48.4	50.4	50.3	-
3144	Women's footwear, except athletic .....	52.6	51.9	50.6	49.7	-	45.0	44.3	43.8	43.2	-
316	Luggage .....	15.8	15.4	14.7	14.6	-	11.6	11.2	11.4	11.5	-
317	Handbags and personal leather goods .....	29.5	28.7	31.1	30.4	-	25.0	24.2	25.5	24.8	-
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	5,147	5,150	5,204	5,182	5,167	4,291	4,294	4,315	4,290	4,277
40	<b>RAILROAD TRANSPORTATION</b> .....	529.9	520.9	504.2	493.7	-	-	-	-	-	-
4011	Class I railroads <sup>2</sup> .....	477.1	468.6	454.2	445.7	-	-	-	-	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b> .....	275.7	275.9	292.8	290.1	-	255.3	255.5	272.5	270.1	-
411	Local and suburban transportation .....	81.4	81.5	84.6	83.6	-	74.8	74.8	77.1	76.2	-
412	Taxicabs .....	53.3	53.3	49.9	50.1	-	-	-	-	-	-
413	Intercity highway transportation .....	37.7	38.4	39.2	38.4	-	34.2	35.0	35.9	35.2	-
415	School buses .....	88.6	88.5	103.1	102.5	-	-	-	-	-	-
42	<b>TRUCKING AND WAREHOUSING</b> .....	1,279.1	1,281.1	1,252.8	1,252.2	-	1,121.6	1,123.8	1,093.2	1,092.6	-
421,3	Trucking and trucking terminals .....	1,187.6	1,193.3	1,166.5	1,165.0	-	1,043.5	1,049.3	1,019.9	1,018.5	-
422	Public warehousing .....	91.5	87.8	86.3	87.2	-	78.1	74.5	73.3	74.1	-
44	<b>WATER TRANSPORTATION</b> .....	199.6	205.1	208.8	205.8	-	-	-	-	-	-
45	<b>TRANSPORTATION BY AIR</b> .....	447.3	450.4	457.0	452.2	-	-	-	-	-	-
451,2	Air transportation .....	398.3	401.0	405.8	401.9	-	-	-	-	-	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b> .....	21.6	21.5	22.2	22.2	-	15.4	15.2	15.4	15.3	-
47	<b>TRANSPORTATION SERVICES</b> .....	193.7	193.9	215.1	213.6	-	-	-	-	-	-
48	<b>COMMUNICATION</b> .....	1,361.8	1,360.9	1,376.6	1,377.8	-	1,015.8	1,015.1	1,025.2	1,027.2	-
481	Telephone communication .....	1,074.8	1,072.3	1,074.7	1,074.3	-	780.4	778.2	778.4	778.3	-
483	Radio and television broadcasting .....	200.8	202.0	204.6	206.2	-	161.2	162.4	165.9	167.6	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b> ..	837.8	840.0	874.2	874.8	-	683.2	685.1	713.5	714.1	-
491	Electric services .....	401.1	402.7	415.6	415.5	-	324.2	326.3	335.3	336.1	-
492	Gas production and distribution .....	170.3	170.4	175.9	176.2	-	139.1	138.9	142.4	142.3	-
493	Combination utility services .....	194.9	195.7	208.5	208.9	-	158.2	158.8	171.8	172.0	-
495	Sanitary services .....	48.6	48.3	50.9	50.6	-	42.8	42.4	44.8	44.6	-
-	<b>WHOLESALE AND RETAIL TRADE</b> .....	20,761	21,138	20,999	21,131	21,403	18,226	18,592	18,384	18,505	18,763
50,51	<b>WHOLESALE TRADE</b> .....	5,312	5,315	5,381	5,373	5,358	4,332	4,334	4,376	4,366	4,354
50	<b>WHOLESALE TRADE - DURABLE GOODS</b> .....	3,129	3,135	3,197	3,193	-	2,549	2,553	2,589	2,583	-
501	Motor vehicles and automotive equipment .....	412.9	415.4	420.0	417.4	-	332.2	335.0	339.3	336.7	-
502	Furniture and home furnishing .....	118.1	117.9	122.9	124.7	-	96.6	96.5	100.5	102.2	-
503	Lumber and construction materials .....	195.3	194.5	189.8	189.1	-	160.8	160.2	156.2	155.5	-
504	Sporting goods, toys, and hobby goods .....	72.8	72.8	75.9	76.1	-	58.9	58.6	60.6	60.8	-
505	Metals and minerals, except petroleum .....	151.5	152.6	155.0	154.1	-	121.4	122.1	124.4	123.7	-
506	Electrical goods .....	420.0	420.5	424.7	427.0	-	341.1	341.1	341.4	343.7	-
507	Hardware, plumbing, and heating equipment .....	243.2	243.4	244.5	243.6	-	199.9	199.9	198.9	198.0	-

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>				
		Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P
	<b>INSURANCE CARRIERS—Continued</b>										
632	Medical service and health insurance .....	144.4	144.4	143.6	143.6	-	115.5	115.5	113.8	113.9	-
633	Fire, marine, and casualty insurance .....	481.2	483.0	483.9	484.5	-	358.0	358.3	349.6	348.6	-
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b> .....	458.7	459.5	471.4	472.3	-	-	-	-	-	-
65	<b>REAL ESTATE</b> .....	997.1	991.8	1,034.5	1,021.7	-	-	-	-	-	-
651	Real estate operators and lessors .....	462.7	461.2	480.6	475.6	-	-	-	-	-	-
653	Real estate agents and managers .....	379.4	375.6	391.1	389.4	-	-	-	-	-	-
656	Subdividers and developers .....	133.2	129.1	142.2	136.4	-	-	-	-	-	-
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC.</b> .....	21.0	21.1	21.0	21.0	-	-	-	-	-	-
67	<b>HOLDING AND OTHER INVESTMENT OFFICES</b> .....	119.1	115.5	129.4	129.7	-	-	-	-	-	-
-	<b>SERVICES</b> .....	18,118	18,149	18,826	18,794	18,771	16,114	16,134	16,738	16,700	16,658
70	<b>HOTELS AND OTHER LODGING PLACES</b> .....	1,038.3	1,020.6	1,093.5	1,049.8	-	-	-	-	-	-
701	Hotels, motels, and tourist courts .....	1,010.4	991.7	1,061.2	1,020.0	-	927.0	907.7	969.2	930.3	-
72	<b>PERSONAL SERVICES</b> .....	894.8	896.9	895.8	898.0	-	-	-	-	-	-
721	Laundry, cleaning, and garment services .....	357.1	357.5	355.1	356.8	-	318.9	319.7	317.2	318.8	-
723	Beauty shops .....	267.5	282.7	288.8	289.0	-	267.3	266.7	266.8	266.0	-
726	Funeral service and crematories .....	70.1	71.4	72.9	72.7	-	-	-	-	-	-
73	<b>BUSINESS SERVICES</b> .....	3,217.3	3,237.6	3,392.1	3,384.9	-	2,808.0	2,825.7	2,964.8	2,962.7	-
731	Advertising .....	154.5	154.6	156.0	156.6	-	117.4	117.6	120.0	121.0	-
732	Credit reporting and collection .....	73.9	72.9	71.7	71.3	-	-	-	-	-	-
733	Mailing, reproduction, stenographic .....	125.2	125.8	135.1	135.5	-	-	-	-	-	-
734	Services to buildings .....	493.7	496.2	525.1	523.9	-	446.1	448.3	477.8	477.5	-
736	Personnel supply services .....	596.7	608.7	625.1	618.8	-	-	-	-	-	-
737	Computer and data processing services .....	318.9	322.0	355.5	358.8	-	266.7	269.0	290.8	295.1	-
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	571.6	565.7	581.7	585.0	-	488.0	485.7	496.5	498.3	-
753	Automotive repair shops .....	350.6	347.8	357.8	359.0	-	298.2	296.0	302.6	303.0	-
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	292.7	294.8	302.0	300.5	-	242.5	245.5	255.3	253.7	-
78	<b>MOTION PICTURES</b> .....	202.4	209.1	213.2	210.6	-	177.7	182.8	181.9	178.1	-
781	Motion picture production and services .....	74.5	81.4	76.8	79.8	-	62.1	67.5	63.2	64.4	-
783	Motion picture theaters .....	116.9	116.6	125.8	120.1	-	-	-	-	-	-
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	687.6	695.8	761.2	739.8	-	615.5	623.8	686.3	664.9	-
80	<b>HEALTH SERVICES</b> .....	5,376.0	5,393.5	5,614.3	5,634.0	-	4,805.6	4,817.6	5,027.5	5,040.9	-
801	Offices of physicians .....	760.6	765.0	794.1	796.1	-	624.0	626.8	654.0	651.8	-
802	Offices of dentists .....	346.6	350.2	362.2	366.6	-	303.2	305.1	320.4	325.5	-
805	Nursing and personal care facilities .....	1,022.3	1,024.0	1,061.0	1,064.5	-	922.2	924.7	960.2	962.3	-
806	Hospitals .....	2,799.5	2,803.0	2,927.8	2,934.9	-	2,568.0	2,569.5	2,686.0	2,692.3	-
81	<b>LEGAL SERVICES</b> .....	517.2	520.0	545.1	549.0	-	442.3	444.3	463.9	465.8	-
82	<b>EDUCATIONAL SERVICES</b> .....	1,222.3	1,205.5	1,229.3	1,247.5	-	-	-	-	-	-
821	Elementary and secondary schools .....	302.9	304.4	297.2	300.2	-	-	-	-	-	-
822	Colleges and universities .....	798.5	779.9	807.2	821.1	-	-	-	-	-	-
83	<b>SOCIAL SERVICES</b> .....	1,165.8	1,171.3	1,177.1	1,182.1	-	-	-	-	-	-
86	<b>MEMBERSHIP ORGANIZATIONS</b> .....	1,573.6	1,581.3	1,585.0	1,590.1	-	-	-	-	-	-
89	<b>MISCELLANEOUS SERVICES</b> .....	1,005.4	1,010.2	1,043.6	1,043.5	-	836.7	841.6	863.8	863.5	-
891	Engineering and architectural services .....	553.0	554.2	569.1	568.9	-	469.6	470.8	476.0	475.6	-
893	Accounting, auditing, and bookkeeping .....	321.0	324.5	338.8	338.8	-	257.9	261.4	273.9	274.1	-
-	<b>GOVERNMENT</b> .....	16,473	16,435	16,021	16,164	16,156	-	-	-	-	-
-	<b>FEDERAL GOVERNMENT</b> .....	2,776	2,782	2,737	2,736	2,742	-	-	-	-	-
-	Executive, by agency <sup>4</sup> .....	2,722.7	2,728.5	2,683.3	2,682.0	-	-	-	-	-	-
-	Department of Defense .....	892.0	893.6	914.8	921.6	-	-	-	-	-	-
-	Postal Service .....	663.1	672.5	665.0	664.5	-	-	-	-	-	-
-	Other executive agencies .....	1,167.6	1,162.4	1,103.5	1,095.9	-	-	-	-	-	-
-	Legislative .....	38.7	38.9	38.4	38.4	-	-	-	-	-	-
-	Judicial .....	14.9	14.9	15.3	15.2	-	-	-	-	-	-

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>				
		Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981 <sup>p</sup>	Dec. 1981 <sup>p</sup>	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981 <sup>p</sup>	Dec. 1981 <sup>p</sup>
	<b>FEDERAL GOVERNMENT—Continued</b>										
	Federal Government, by industry										
—	Manufacturing activities	106.4	107.0	111.3	112.9	—	—	—	—	—	—
3731	Shipbuilding and repairing	56.8	57.1	58.9	60.1	—	—	—	—	—	—
—	Transportation and public utilities, except										
—	Postal Service	41.2	40.8	41.6	42.0	—	—	—	—	—	—
—	Services	409.9	410.2	404.2	403.2	—	—	—	—	—	—
808	Federal government hospitals	231.6	233.1	230.5	230.9	—	—	—	—	—	—
—	<b>STATE AND LOCAL GOVERNMENT</b>	13,697	13,653	13,284	13,426	13,414	—	—	—	—	—
—	State government	3,683.9	3,657.5	3,635.5	3,651.2	—	—	—	—	—	—
808	State government hospitals	536.1	535.8	531.2	533.4	—	—	—	—	—	—
82	State education	1,490.2	1,462.1	1,457.3	1,481.0	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	1,028.5	1,030.1	1,032.6	1,026.2	—	—	—	—	—	—
—	Local government	10,012.8	9,995.2	9,648.4	9,777.0	—	—	—	—	—	—
—	Transportation and public utilities	627.0	627.6	632.0	638.9	—	—	—	—	—	—
808	Local government hospitals	613.0	615.0	633.6	635.7	—	—	—	—	—	—
82	Local education	5,432.1	5,434.8	5,252.5	5,369.9	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	2,957.0	2,942.0	2,820.4	2,822.9	—	—	—	—	—	—

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

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

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

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

— Data not available.  
p = preliminary.

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

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sept. 1980	Oct. 1980	Aug. 1981	Sept. 1981	Oct. 1981
-	<b>TOTAL</b> .....	38,315	38,751	38,672	39,361	39,733
-	<b>PRIVATE SECTOR</b> .....	30,731	30,855	31,725	31,962	32,016
-	<b>MINING</b> .....	107	107	132	132	133
10	<b>METAL MINING</b> .....	8.0	7.9	9.6	9.2	8.8
11, 12	<b>COAL MINING</b> .....	10.8	10.9	11.6	11.8	11.9
13	<b>OIL AND GAS EXTRACTION</b> .....	78.6	79.1	101.0	100.8	101.8
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	51.0	51.7	64.2	63.7	64.3
138	Oil and gas field services .....	27.6	27.4	36.8	37.1	37.5
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	9.6	9.5	10.0	10.0	10.0
142	Crushed and broken stone .....	2.7	2.6	2.7	2.7	2.7
144	Sand and gravel .....	3.2	3.1	3.2	3.2	3.2
-	<b>CONSTRUCTION</b> .....	386	388	410	406	404
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	135.9	137.1	143.9	140.7	139.1
152	Residential building construction .....	60.7	81.1	87.6	84.9	83.5
153	Operative builders .....	13.9	14.2	14.4	14.5	14.3
154	Nonresidential building construction .....	41.3	41.8	41.9	41.3	41.3
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	64.6	64.3	65.7	64.8	64.3
161	Highway and street construction .....	19.5	18.9	18.2	17.9	17.0
162	Heavy construction, except highway .....	45.1	45.4	47.5	46.9	47.3
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	185.9	186.4	199.9	200.0	200.1
171	Plumbing, heating, air conditioning .....	50.5	50.8	54.8	54.8	54.9
172	Painting, paper hanging, decorating .....	11.6	11.6	12.5	12.8	12.7
173	Electrical work .....	34.9	35.4	37.2	37.0	37.1
174	Masonry, stonework, and plastering .....	21.3	21.4	24.2	24.3	24.1
175	Carpentering and flooring .....	18.8	14.9	15.3	15.3	15.2
176	Roofing and sheet metal work .....	13.5	13.5	13.7	13.8	14.1
-	<b>MANUFACTURING</b> .....	6,335	6,338	6,485	6,535	6,478
24, 25, 32-39	<b>DURABLE GOODS</b> .....	2,964	2,997	3,077	3,109	3,095
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	3,371	3,341	3,408	3,426	3,383
	<b>DURABLE GOODS</b>					
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	103.4	103.4	106.1	104.8	102.1
241	Logging camps and logging contractors .....	5.9	5.8	5.7	5.7	5.5
242	Sawmills and planing mills .....	20.0	20.1	20.3	19.9	19.2
2421	Sawmills and planing mills, general .....	14.6	14.5	14.5	14.1	13.7
243	Millwork, plywood, and structural members .....	41.8	41.3	43.5	42.6	41.5
244	Wood containers .....	7.1	7.1	7.0	7.0	6.9
245	Wood buildings and mobile homes .....	8.1	8.3	8.7	8.6	8.2
249	Miscellaneous wood products .....	20.5	20.8	20.9	21.0	20.8
25	<b>FURNITURE AND FIXTURES</b> .....	136.5	138.4	144.8	146.1	147.0
251	Household furniture .....	57.9	99.9	102.3	103.0	103.7
2511	Wood household furniture .....	43.0	43.8	44.1	44.5	44.3
2512	Upholstered household furniture .....	32.8	33.3	34.9	34.9	34.6
2515	Mattresses and bedsprings .....	8.2	8.2	8.4	8.5	8.1
252	Office furniture .....	12.2	12.1	13.6	13.8	13.7
253	Public building and related furniture .....	5.0	4.9	5.8	5.8	5.9
254	Partitions and fixtures .....	10.8	10.7	11.1	11.3	11.3
259	Miscellaneous furniture and fixtures .....	10.6	10.8	12.0	12.2	12.4
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	125.3	125.8	130.7	130.8	129.4
322	Glass and glassware, pressed or blown .....	41.4	41.3	42.0	41.7	41.5
3221	Glass containers .....	23.7	23.4	23.7	23.2	23.0
3229	Pressed and blown glass, nec .....	17.7	17.9	18.3	18.5	18.5
323	Products of purchased glass .....	13.6	13.4	13.5	13.8	13.4
324	Cement, hydraulic .....	1.6	1.6	1.8	1.8	1.7
325	Structural clay products .....	6.4	6.4	6.8	6.8	6.7
326	Pottery and related products .....	14.9	15.0	14.9	15.3	14.9
327	Concrete, gypsum, and plaster products .....	15.4	15.5	15.1	14.9	14.8
329	Misc. nonmetallic mineral products .....	29.4	29.8	33.1	33.1	32.9
33	<b>PRIMARY METAL INDUSTRIES</b> .....	119.8	121.7	125.4	125.1	121.9
331	Blast furnace and basic steel products .....	36.8	37.9	42.4	41.5	39.8
3312	Blast furnaces and steel mills .....	27.3	28.5	32.0	31.1	29.4
332	Iron and steel foundries .....	18.4	18.4	17.7	18.3	17.7



**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sept. 1980	Oct. 1980	Aug. 1981	Sept. 1981	Oct. 1981
<b>PRIMARY METAL INDUSTRIES—Continued</b>						
3321	Gray iron foundries .....	8.3	8.5	9.1	9.0	8.6
3322	Malleable iron foundries .....	1.0	1.0	1.1	1.1	1.0
3325	Steel foundries, nec .....	5.1	5.0	4.7	4.7	4.6
333	Primary nonferrous metals .....	4.9	4.7	5.1	5.0	5.0
3334	Primary aluminum .....	2.3	2.2	2.4	2.2	2.2
335	Nonferrous rolling and drawing .....	40.4	41.1	38.5	38.7	38.0
3351	Copper rolling and drawing .....	3.2	3.3	3.5	3.6	3.4
3353	Aluminum sheet, plate, and foil .....	4.0	3.9	4.0	3.8	3.7
3357	Nonferrous wire drawing and insulating .....	24.8	25.7	22.7	23.5	23.3
336	Nonferrous foundries .....	13.9	14.1	15.6	15.7	15.5
3361	Aluminum foundries .....	6.9	6.9	8.0	8.0	8.0
34	<b>FABRICATED METAL PRODUCTS</b> .....	<b>328.1</b>	<b>332.8</b>	<b>337.7</b>	<b>342.3</b>	<b>336.9</b>
341	Metal cans and shipping containers .....	13.0	12.5	12.9	12.8	11.9
3411	Metal cans .....	11.3	10.8	11.1	11.0	10.1
342	Cutlery, hand tools, and hardware .....	54.2	55.9	56.5	57.9	56.7
3423, 5	Hand and edge tools, and hand saws and blades .....	15.8	15.9	16.5	16.6	16.5
3429	Hardware, nec .....	31.6	32.8	33.6	34.8	33.8
343	Plumbing and heating, except electric .....	15.1	15.8	16.8	17.2	16.9
344	Fabricated structural metal products .....	71.6	72.1	72.5	72.2	71.6
3441	Fabricated structural metal .....	7.2	7.2	7.4	7.5	7.4
3442	Metal doors, sash, and trim .....	21.0	21.3	20.9	20.7	20.2
3443	Fabricated plate work (boiler shops) .....	18.4	18.4	18.6	18.6	18.7
3444	Sheet metal work .....	15.5	15.7	15.9	15.9	15.8
345	Screw machine products, bolts, etc. ....	23.2	23.4	23.3	23.5	23.5
3451	Screw machine products .....	12.0	12.1	11.8	12.0	12.1
3452	Bolts, nuts, rivets, and washers .....	11.2	11.3	11.5	11.5	11.4
346	Metal forgings and stampings .....	51.9	53.2	51.7	53.7	51.8
3462	Iron and steel forgings .....	4.2	4.2	4.3	4.2	4.1
3465	Automotive stampings .....	12.7	13.9	12.4	13.2	12.7
3469	Metal stampings, nec .....	32.5	32.6	32.5	33.6	32.4
347	Metal services, nec .....	24.0	24.4	24.6	25.0	25.1
3471	Plating and polishing .....	16.8	17.1	17.8	18.0	18.1
3479	Metal coating and allied services .....	7.2	7.3	6.8	7.0	7.0
348	Ordnance and accessories, nec .....	16.8	16.8	17.0	17.1	17.0
349	Misc. fabricated metal products .....	58.3	58.7	62.4	62.9	62.4
3494	Valves and pipe fittings .....	21.8	21.7	23.6	23.4	23.3
3496	Misc. fabricated wire products .....	14.2	14.3	15.1	15.3	15.2
35	<b>MACHINERY, EXCEPT ELECTRICAL</b> .....	<b>486.1</b>	<b>491.8</b>	<b>510.2</b>	<b>516.0</b>	<b>517.3</b>
351	Engines and turbines .....	24.4	24.4	24.0	24.9	25.2
3511	Turbines and turbine generator sets .....	6.2	6.1	5.8	5.8	5.9
3519	Internal combustion engines, nec .....	18.2	18.3	18.2	19.1	19.3
352	Farm and garden machinery .....	25.8	27.3	26.4	26.5	26.9
3523	Farm machinery and equipment .....	20.6	21.1	20.0	19.7	19.6
353	Construction and related machinery .....	48.2	48.6	53.4	53.9	53.6
3531	Construction machinery .....	13.8	13.9	15.6	16.0	15.9
3533	Oil field machinery .....	13.8	14.0	16.4	16.7	16.9
354	Metalworking machinery .....	56.1	56.8	57.9	57.6	57.4
3541	Machine tools, metal cutting types .....	10.2	10.3	10.6	10.5	10.4
3544	Special dies, tools, jigs, and fixtures .....	15.4	15.7	16.4	16.3	15.8
3545	Machine tool accessories .....	13.3	13.4	13.7	13.6	13.5
355	Special industry machinery .....	30.7	30.8	30.6	30.2	30.1
3551	Food products machinery .....	6.1	6.1	5.7	5.5	5.5
3552	Textile machinery .....	5.0	4.9	4.8	4.8	4.8
3555	Printing trades machinery .....	7.2	7.3	7.4	7.3	7.3
356	General industrial machinery .....	61.7	61.1	61.9	62.2	61.6
3561	Pumps and pumping equipment .....	11.4	11.4	11.7	11.7	11.7
3562	Ball and roller bearings .....	13.9	13.9	13.4	13.5	13.3
357	Office and computing machines .....	155.3	156.8	166.4	168.5	170.6
3573	Electronic computing equipment .....	127.1	128.6	138.3	139.8	142.1
358	Refrigeration and service machinery .....	36.4	37.6	38.0	39.3	39.3
3585	Refrigeration and heating equipment .....	23.9	24.9	25.6	26.6	26.4
359	Misc. machinery, except electrical .....	47.5	48.4	51.6	52.9	52.6
3599	Machinery, except electrical, nec .....	38.0	38.8	40.7	41.7	41.9
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b> .....	<b>879.1</b>	<b>888.0</b>	<b>912.5</b>	<b>925.2</b>	<b>923.5</b>
361	Electric distributing equipment .....	43.2	43.8	45.5	46.9	46.8
3612	Transformers .....	17.4	17.5	18.7	19.7	19.7
3613	Switchgear and switchboard apparatus .....	25.8	26.3	26.8	27.2	27.1
362	Electrical industrial apparatus .....	65.2	65.8	90.6	91.1	89.5
3621	Motors and generators .....	45.0	45.9	49.2	49.7	48.7
3622	Industrial controls .....	28.3	28.1	28.5	28.5	28.1
363	Household appliances .....	57.7	60.0	60.2	63.7	62.8
3632	Household refrigerators and freezers .....	7.7	8.7	8.8	10.6	9.8
3633	Household laundry equipment .....	4.0	4.4	4.6	4.2	4.2
3634	Electric housewares and fans .....	29.8	30.2	29.8	31.0	30.5
364	Electric lighting and wiring equipment .....	93.2	93.9	95.3	95.5	95.7
3641	Electric lamps .....	22.3	22.0	20.6	20.7	21.3

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]		Sept. 1980	Oct. 1980	Aug. 1981	Sept. 1981	Oct. 1981
1972 SIC Code	Industry					
<b>ELECTRIC AND ELECTRONIC EQUIPMENT—Continued</b>						
3643	Current-carrying wiring devices .....	41.5	41.6	44.1	43.9	43.5
365	Radio and TV receiving equipment .....	58.7	59.2	57.9	59.8	59.0
3651	Radio and TV receiving sets .....	43.7	44.2	45.0	46.3	45.8
366	Communication equipment .....	203.9	204.5	209.1	209.8	210.8
3661	Telephone and telegraph apparatus .....	76.6	76.2	73.1	73.5	73.1
3662	Radio and TV communication equipment .....	127.3	128.3	136.0	136.3	137.7
367	Electronic components and accessories .....	283.3	284.8	292.4	294.8	296.0
3671-3	Electronic tubes .....	16.1	16.0	16.2	16.3	16.3
3674	Semiconductors and related devices .....	107.2	108.6	108.1	107.8	108.2
3679	Electronic components, nec .....	112.7	113.4	118.5	120.3	122.0
369	Misc. electrical equipment and supplies .....	53.9	56.0	61.5	63.6	62.9
3694	Engine electrical equipment .....	24.9	26.9	31.1	32.6	31.9
<b>TRANSPORTATION EQUIPMENT</b> .....		<b>288.7</b>	<b>295.0</b>	<b>304.0</b>	<b>310.1</b>	<b>308.1</b>
37	Motor vehicles and equipment .....	102.0	106.3	102.0	107.1	107.2
371	Motor vehicles and car bodies .....	39.1	41.3	33.7	36.4	37.8
3711	Truck and bus bodies .....	4.0	3.8	3.7	3.9	3.8
3714	Motor vehicle parts and accessories .....	55.7	58.1	61.3	62.6	61.4
372	Aircraft and parts .....	119.7	120.4	126.6	127.6	126.8
3721	Aircraft .....	63.6	64.5	72.9	72.7	72.4
3724	Aircraft engines and engine parts .....	29.0	28.9	27.0	27.7	27.4
3728	Aircraft equipment, nec .....	27.1	27.0	26.7	27.2	27.0
373	Ship and boat building and repairing .....	20.9	21.8	25.8	25.7	24.8
3731	Ship building and repairing .....	15.2	15.9	18.8	18.6	17.8
374	Railroad equipment .....	6.5	6.4	5.2	5.3	5.0
376	Guided missiles, space vehicles, parts .....	24.8	24.9	27.7	27.8	27.9
3761	Guided missiles and space vehicles .....	20.6	20.7	23.1	23.2	23.3
379	Miscellaneous transportation equipment .....	8.5	8.9	7.9	8.0	8.0
<b>INSTRUMENTS AND RELATED PRODUCTS</b> .....		<b>259.3</b>	<b>301.3</b>	<b>308.5</b>	<b>307.4</b>	<b>306.5</b>
381	Engineering and scientific instruments .....	24.1	24.1	24.6	24.5	24.7
382	Measuring and controlling devices .....	103.6	104.6	107.4	107.7	106.8
3822	Environmental controls .....	23.4	23.9	23.7	23.8	23.0
3823	Process control instruments .....	17.5	17.9	19.9	20.0	19.8
3825	Instruments to measure electricity .....	47.0	47.0	48.7	48.3	48.5
383	Optical instruments and lenses .....	11.2	11.3	11.6	11.8	11.8
384	Medical instruments and supplies .....	84.0	84.4	86.8	86.6	86.9
3841	Surgical and medical instruments .....	41.2	41.2	42.4	42.0	42.4
3842	Surgical appliances and supplies .....	34.6	34.9	36.4	36.5	36.5
385	Ophthalmic goods .....	25.0	25.3	25.0	24.6	24.1
386	Photographic equipment and supplies .....	38.8	39.0	41.7	40.6	40.7
387	Watches, clocks, and watchcases .....	12.6	12.6	11.4	11.6	11.5
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> .....		<b>197.4</b>	<b>198.3</b>	<b>197.4</b>	<b>201.1</b>	<b>202.5</b>
391	Jewelry, silverware, and plated ware .....	26.4	27.5	24.5	26.4	27.3
393	Musical instruments .....	9.4	9.5	10.2	9.9	10.4
394	Toys and sporting goods .....	63.4	62.6	62.8	64.3	63.7
3942, 4	Dolls, games, toys, and children's vehicles .....	35.8	35.7	36.2	36.9	36.5
3949	Sporting and athletic goods, nec .....	27.6	26.9	26.6	27.4	27.2
395	Pens, pencils, office and art supplies .....	19.9	20.0	21.4	21.5	21.6
396	Costume jewelry and notions .....	29.2	30.0	27.5	27.7	28.0
399	Miscellaneous manufactures .....	49.1	48.7	51.0	51.3	51.5
<b>NONDURABLE GOODS</b>						
<b>FOOD AND KINDRED PRODUCTS</b> .....		<b>572.3</b>	<b>539.3</b>	<b>549.5</b>	<b>550.9</b>	<b>530.7</b>
20	Meat products .....	116.6	116.5	114.7	114.8	114.7
201	Meat packing plants .....	29.0	29.5	29.8	29.6	29.4
2013	Sausages and other prepared meats .....	21.1	20.5	20.7	20.8	20.5
2016	Poultry dressing plants .....	59.7	58.8	58.5	58.6	58.5
202	Dairy products .....	36.7	38.4	38.0	37.5	37.0
2026	Fluid milk .....	17.5	17.3	17.3	16.9	16.8
203	Preserved fruits and vegetables .....	163.1	124.8	142.4	142.4	117.0
2032	Canned specialties .....	9.9	9.5	10.1	10.8	9.8
2033	Canned fruits and vegetables .....	92.7	54.1	74.3	68.9	45.0
2037	Frozen fruits and vegetables .....	21.5	22.9	21.5	24.6	24.0
204	Grain mill products .....	30.6	30.4	30.3	30.8	30.7
205	Bakery products .....	59.1	59.2	57.9	58.9	59.0
2051	Bread, cake, and related products .....	38.8	38.6	39.1	39.3	39.2
2052	Cookies and crackers .....	20.3	20.6	18.8	19.6	19.8
206	Sugar and confectionery products .....	44.2	49.1	44.2	46.4	52.5
207	Fats and oils .....	5.9	6.1	6.0	6.0	6.1
208	Beverages .....	41.1	42.4	43.3	43.2	43.6
2082	Malt beverages .....	7.7	7.6	8.3	8.0	8.2
2086	Bottled and canned soft drinks .....	16.7	18.6	19.8	19.7	19.6
209	Misc. foods and kindred products .....	73.0	72.4	72.7	70.9	70.1
<b>TOBACCO MANUFACTURES</b> .....		<b>27.9</b>	<b>28.5</b>	<b>28.3</b>	<b>29.4</b>	<b>29.4</b>
211	Cigarettes .....	14.0	14.2	15.1	14.6	14.6

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sept. 1980	Oct. 1980	Aug. 1981	Sept. 1981	Oct. 1981
22	<b>TEXTILE MILL PRODUCTS</b>	399.1	399.4	401.9	404.1	397.2
221	Weaving mills, cotton	64.9	64.4	61.4	61.6	60.8
222	Weaving mills, synthetics	48.7	48.7	49.2	49.7	47.6
223	Weaving and finishing mills, wool	7.0	7.0	7.2	7.1	7.1
224	Narrow fabric mills	13.5	13.7	14.8	15.0	14.7
225	Knitting mills	141.4	141.3	142.0	142.3	140.7
2251	Women's hosiery, except socks	23.3	22.9	22.7	22.7	22.7
2252	Hosiery, nec	23.8	24.0	25.0	25.0	24.9
2253	Knit outerwear mills	48.9	49.4	51.9	52.4	51.8
2254	Knit underwear mills	23.5	23.5	22.6	22.3	22.1
2257	Circular knit fabric mills	12.7	12.5	11.8	11.6	11.1
226	Textile finishing, except wool	21.6	21.6	21.9	22.2	22.2
2261	Finishing plants, cotton	9.2	9.2	9.5	9.6	10.0
2262	Finishing plants, synthetic	6.1	6.1	6.4	6.4	6.2
227	Floor covering mills	22.5	22.0	22.8	23.0	23.0
228	Yarn and thread mills	60.4	61.3	62.9	63.4	61.6
2281	Yarn mills, except wool	38.0	38.6	39.9	39.9	38.5
2282	Throwing and winding mills	11.8	12.0	12.0	12.1	11.9
229	Miscellaneous textile goods	19.1	19.4	19.7	19.8	19.5
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	1,025.6	1,022.4	1,027.5	1,037.1	1,026.7
231	Men's and boys' suits and coats	60.5	60.7	61.7	62.0	61.5
232	Men's and boys' furnishings	304.6	301.3	300.6	300.4	297.7
2321	Men's and boys' shirts and nightwear	66.6	65.7	85.5	86.2	86.1
2327	Men's and boys' separate trousers	63.3	63.6	62.8	61.4	61.6
2328	Men's and boys' work clothing	86.0	84.1	85.5	85.5	83.2
233	Women's and misses' outerwear	354.0	351.6	356.7	359.7	353.0
2331	Women's and misses' blouses and waists	53.9	54.5	55.3	55.5	55.5
2335	Women's and misses' dresses	125.0	122.0	122.4	123.8	120.2
2337	Women's and misses' suits and coats	57.4	55.2	56.4	56.8	52.7
2339	Women's and misses' outerwear, nec	117.7	119.9	122.6	123.6	124.6
234	Women's and children's undergarments	77.1	77.2	77.6	79.3	79.3
2341	Women's and children's underwear	63.2	63.2	62.9	64.5	64.6
2342	Brassieres and allied garments	13.9	14.0	14.7	14.8	14.7
236	Children's outerwear	55.2	56.1	54.9	56.0	55.9
2361	Children's dresses and blouses	24.1	24.7	24.3	25.0	25.3
238	Misc. apparel and accessories	43.6	43.4	43.4	43.3	43.1
239	Misc. fabricated textile products	114.9	116.4	117.4	121.0	121.7
2391	Curtains and draperies	21.2	21.8	23.3	23.6	24.0
2392	House furnishings, nec	31.9	32.2	32.6	33.7	34.1
2396	Automotive and apparel trimmings	17.8	18.3	16.6	18.1	18.5
26	<b>PAPER AND ALLIED PRODUCTS</b>	158.0	159.3	165.1	165.0	161.8
261, 2,6	Paper and pulp mills	27.5	27.7	28.9	28.6	28.2
262	Paper mills, except building paper	24.5	24.8	26.1	25.8	25.5
263	Paperboard mills	6.0	6.0	6.2	6.0	6.0
264	Misc. converted paper products	75.8	76.6	79.8	79.9	78.1
265	Paperboard containers and boxes	48.7	49.0	50.2	50.5	49.5
27	<b>PRINTING AND PUBLISHING</b>	497.2	499.1	514.6	516.6	521.5
271	Newspapers	158.1	159.7	165.8	165.9	167.8
272	Periodicals	53.4	53.9	55.0	55.5	55.8
273	Books	51.9	51.8	53.9	53.1	53.3
274	Miscellaneous publishing	26.3	25.7	26.8	26.5	26.9
275	Commercial printing	132.7	133.3	136.9	139.0	140.7
2751	Commercial printing, letterpress	56.2	56.5	57.2	58.4	59.4
2752	Commercial printing, lithographic	71.0	71.4	73.1	74.1	74.8
276	Manifold business forms	15.7	15.8	15.8	15.8	15.8
278	Blankbooks and bookbinding	32.6	31.9	33.4	33.4	33.5
279	Printing trade services	10.7	11.0	11.5	11.7	12.0
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	277.5	277.7	284.1	284.3	283.6
281	Industrial inorganic chemicals	23.9	24.0	24.7	24.5	24.4
2819	Industrial inorganic chemicals, nec	16.2	16.3	16.6	16.5	16.4
282	Plastics materials and synthetics	43.0	43.1	43.7	43.8	43.6
2821	Plastics materials and resins	11.3	11.3	11.9	11.8	11.7
2824	Organic fibers, noncellulosic	25.0	25.2	25.0	25.4	25.3
283	Drugs	82.5	83.0	86.4	86.7	86.8
2834	Pharmaceutical preparations	69.4	69.7	72.4	72.6	72.7
284	Soap, cleaners, and toilet goods	58.4	58.0	56.9	57.3	56.7
2841	Soap and other detergents	9.7	9.6	9.3	9.2	9.0
2844	Toilet preparations	34.8	34.6	34.0	34.5	34.2
285	Paints and allied products	12.5	12.4	12.7	12.5	12.6
286	Industrial organic chemicals	25.9	25.8	26.9	27.1	27.2
2861,9	Gum, wood, and industrial organic chemicals, nec	21.5	21.4	22.4	22.7	22.8
287	Agricultural chemicals	10.7	10.5	11.0	10.8	10.8
289	Miscellaneous chemical products	20.6	20.9	21.8	21.6	21.5

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sept. 1980	Oct. 1980	Aug. 1981	Sept. 1981	Oct. 1981
29	<b>PETROLEUM AND COAL PRODUCTS</b>	28.1	28.0	31.4	31.0	31.0
291	Petroleum refining	23.0	22.9	26.2	25.8	25.7
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	245.6	248.9	262.9	265.1	260.1
301	Tires and inner tubes	11.0	11.1	11.8	11.5	11.5
302	Rubber and plastics footwear	14.0	13.4	12.5	12.5	11.3
303,4	Reclaimed rubber, and rubber and plastics hose and belting	5.5	5.7	7.0	7.0	6.7
306	Fabricated rubber products, nec	35.4	35.9	37.4	37.8	37.3
307	Miscellaneous plastics products	179.7	182.8	194.2	196.3	193.3
31	<b>LEATHER AND LEATHER PRODUCTS</b>	139.8	138.6	143.1	142.1	141.4
311	Leather tanning and finishing	2.6	2.8	3.0	3.0	3.0
314	Footwear, except rubber	94.0	93.7	97.6	95.8	94.9
3143	Men's footwear, except athletic	34.9	35.2	37.1	36.9	36.7
3144	Women's footwear, except athletic	36.1	35.4	36.9	35.2	35.0
316	Luggage	8.8	8.5	8.1	8.2	8.0
317	Handbags and personal leather goods	21.1	20.5	20.5	21.0	21.2
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	1,298	1,319	1,330	1,360	1,363
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSPORT</b>	69.7	72.2	42.0	78.8	81.1
411	Local and suburban transportation	14.7	14.7	15.2	16.4	16.7
412	Taxicabs	6.8	7.1	6.6	7.2	7.1
413	Intercity highway transportation	5.4	5.2	5.1	5.2	4.9
415	School buses	40.1	42.5	12.7	47.2	49.5
42	<b>TRUCKING AND WAREHOUSING</b>	149.3	152.9	153.0	153.1	154.7
421,3	Trucking and trucking terminals	132.8	134.4	136.7	135.9	135.9
422	Public warehousing	16.5	18.5	16.3	17.2	18.8
44	<b>WATER TRANSPORTATION</b>	21.3	20.9	24.5	23.9	23.3
45	<b>TRANSPORTATION BY AIR</b>	149.0	147.4	154.7	151.8	150.1
451,2	Air transportation	140.5	139.0	145.6	142.7	140.9
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b>	2.8	2.8	3.3	3.3	3.3
47	<b>TRANSPORTATION SERVICES</b>	91.0	91.2	108.2	107.8	108.7
48	<b>COMMUNICATION</b>	635.5	639.7	646.8	646.1	647.3
481	Telephone communication	549.8	552.5	555.2	553.5	553.6
483	Radio and television broadcasting	64.1	65.1	66.0	66.5	67.4
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	155.5	156.3	171.1	168.6	168.9
491	Electric services	73.0	73.8	79.2	78.9	79.1
492	Gas production and distribution	36.9	36.9	40.7	39.6	39.5
493	Combination utility services	35.0	35.0	39.7	38.7	38.8
495	Sanitary services	5.8	5.7	6.3	6.4	6.5
-	<b>WHOLESALE AND RETAIL TRADE</b>	8,957	8,986	9,159	9,276	9,315
50,51	<b>WHOLESALE TRADE</b>	1,372	1,389	1,396	1,406	1,418
50	<b>WHOLESALE TRADE-DURABLE GOODS</b>	752	757	778	778	783
501	Motor vehicles and automotive equipment	88.3	88.9	89.9	90.6	91.1
502	Furniture and home furnishings	43.7	43.8	46.0	47.0	47.6
503	Lumber and construction materials	34.6	34.9	37.1	37.0	37.0
504	Sporting goods, toys, and hobby goods	23.6	24.1	25.3	25.7	25.8
505	Metals and minerals, except petroleum	28.8	29.0	30.1	30.1	30.0
506	Electrical goods	120.4	120.9	123.4	123.0	125.2
507	Hardware, plumbing, and heating equipment	65.1	65.3	66.8	66.3	66.6
508	Machinery, equipment, and supplies	300.5	302.4	312.2	310.7	312.7
509	Miscellaneous durable goods	47.2	48.0	47.3	47.5	47.2
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b>	620	632	618	628	635
511	Paper and paper products	46.4	47.2	48.8	48.8	49.2
512	Drugs, proprietaries, and sundries	63.9	65.1	65.5	65.7	66.4
513	Apparel, piece goods, and notions	82.2	83.7	83.6	83.8	83.7
514	Groceries and related products	169.3	169.5	164.5	163.7	163.2
516	Chemicals and allied products	34.0	34.1	35.0	35.2	35.2
517	Petroleum and petroleum products	51.4	52.1	53.1	53.0	52.9
518	Bear, wine, and distilled beverages	21.2	21.4	22.2	22.1	21.9
519	Miscellaneous nondurable goods	115.3	115.3	113.8	117.7	119.1

# ESTABLISHMENT DATA WOMEN EMPLOYEES

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

(In thousands)

1972 SIC Code	Industry	Sept. 1980	Oct. 1980	Aug. 1981	Sept. 1981	Oct. 1981
52-59	<b>RETAIL TRADE</b> .....	7,585	7,597	7,763	7,870	7,897
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	160.2	160.6	161.9	162.6	163.8
521	Lumber and other building materials .....	65.2	65.2	66.2	66.2	66.3
525	Hardware stores .....	54.7	54.7	55.9	56.1	56.2
53	<b>GENERAL MERCHANDISE STORES</b> .....	1,482.0	1,517.4	1,548.4	1,557.2	1,557.4
531	Department stores .....	1,205.6	1,241.2	1,271.7	1,279.7	1,278.3
533	Variety stores .....	196.6	196.3	193.0	193.6	193.6
539	Misc. general merchandise stores .....	79.8	79.9	83.7	83.9	85.5
54	<b>FOOD STORES</b> .....	1,030.5	1,034.5	1,058.4	1,066.8	1,074.2
541	Grocery stores .....	866.4	869.5	887.8	895.6	898.8
542	Meat markets and freezer provisioners .....	17.5	17.8	17.5	16.8	16.7
546	Retail bakeries .....	80.3	79.2	78.7	80.7	81.6
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	304.5	303.2	315.7	313.9	314.9
551,2	New and used car dealers .....	111.6	111.9	113.8	114.0	114.0
553	Auto and home supply stores .....	49.2	48.3	49.4	49.5	50.3
554	Gasoline service stations .....	128.5	128.2	136.7	135.4	135.9
56	<b>APPAREL AND ACCESSORY STORES</b> .....	662.7	673.2	669.5	678.6	686.5
561	Men's and boys' clothing and furnishings .....	57.7	57.9	58.3	58.8	59.7
562	Women's ready-to-wear stores .....	308.6	317.2	307.0	312.9	318.3
565	Family clothing stores .....	135.2	137.0	141.9	142.9	142.8
566	Shoe stores .....	84.0	83.2	84.5	85.3	84.6
57	<b>FURNITURE AND HOME FURNISHING STORES</b> .....	203.4	205.6	206.5	207.6	212.2
571	Furniture and home furnishings stores .....	135.4	135.8	138.9	139.3	141.2
572	Household appliance stores .....	22.7	22.9	22.7	22.6	23.8
573	Radio, television, and music stores .....	45.3	46.9	44.9	45.7	47.2
58	<b>EATING AND DRINKING PLACES</b> .....	2,729.5	2,666.1	2,751.8	2,804.6	2,784.0
59	<b>MISCELLANEOUS RETAIL</b> .....	1,012.3	1,036.5	1,051.2	1,078.9	1,104.1
591	Drug stores and proprietary stores .....	304.5	306.5	306.8	308.3	312.1
592	Liquor stores .....	30.7	31.2	35.0	35.6	36.0
594	Miscellaneous shopping goods stores .....	354.2	363.2	376.1	391.3	397.0
596	Nonstore retailers .....	156.3	166.0	159.6	170.2	181.8
598	Fuel and ice dealers .....	22.7	23.5	22.9	23.1	23.9
599	Retail stores, nec .....	121.4	125.8	130.4	130.4	133.3
	<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,054	3,070	3,204	3,185	3,189
60	<b>BANKING</b> .....	1,113.5	1,118.2	1,166.8	1,158.0	1,160.4
602	Commercial and stock savings banks .....	1,025.1	1,029.2	1,073.3	1,065.2	1,067.1
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	375.7	379.9	397.9	396.3	398.0
612	Savings and loan associations .....	183.7	187.1	198.2	198.0	200.0
614	Personal credit institutions .....	120.6	121.3	128.0	127.0	126.6
62	<b>SECURITY, COMMODITY BRDKERS, AND SERVICES</b> .....	93.5	95.2	106.5	107.0	107.8
621	Security brokers and dealers .....	75.3	76.4	87.3	88.0	88.7
63	<b>INSURANCE CARRIERS</b> .....	747.2	748.2	759.6	755.7	756.0
631	Life insurance .....	293.4	293.6	302.2	300.6	301.4
632	Medical service and health insurance .....	104.6	104.3	104.7	104.1	104.1
633	Fire, marine, and casualty insurance .....	300.9	301.2	303.4	301.9	301.9
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b> .....	283.2	284.9	296.8	295.8	298.3
65	<b>REAL ESTATE</b> .....	365.3	368.0	394.9	391.1	387.1
651	Real estate operators and lessors .....	140.8	142.9	154.2	153.5	152.4
653	Real estate agents and managers .....	174.0	174.7	185.1	183.8	181.3
655	Subdividers and developers .....	35.7	35.7	40.1	38.8	38.8
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC</b> .....	13.4	13.3	12.7	12.6	12.5
67	<b>HOLDING AND OTHER INVESTMENT OFFICES</b> .....	62.3	62.5	68.4	68.8	69.0
-	<b>SERVICES</b> .....	10,594	10,647	11,005	11,068	11,134
70	<b>HOTELS AND OTHER LODGING PLACES</b> .....	631.8	592.9	678.7	638.3	599.6
701	Hotels, motels, and tourist courts .....	610.4	575.7	637.6	615.7	581.7

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sept. 1980	Oct. 1980	Aug. 1981	Sept. 1981	Oct. 1981
72	<b>PERSONAL SERVICES</b> .....	604.6	610.5	607.0	614.4	622.5
721	Laundry, cleaning, and garment services .....	223.6	225.7	222.9	223.9	226.5
723	Beauty shops .....	253.9	253.5	254.1	258.5	258.2
726	Funeral service and crematories .....	18.8	19.0	20.2	19.9	20.0
73	<b>BUSINESS SERVICES</b> .....	1,364.8	1,376.7	1,456.3	1,462.6	1,485.0
731	Advertising .....	71.8	72.3	74.7	74.1	74.7
732	Credit reporting and collection .....	52.7	53.1	51.2	50.9	50.7
733	Mailing, reproduction, stenographic .....	61.0	62.5	63.4	64.6	67.0
734	Services to buildings .....	185.7	187.0	199.9	204.3	204.3
736	Personnel supply services .....	356.3	353.8	387.9	381.2	384.6
737	Computer and data processing services .....	142.6	145.8	164.2	166.5	168.8
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	95.1	96.1	96.8	95.9	96.9
753	Automotive repair shops .....	41.4	42.1	44.8	44.0	45.0
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	58.1	59.8	58.9	58.5	59.6
78	<b>MOTION PICTURES</b> .....	79.0	75.6	93.9	92.2	85.7
781	Motion picture production and services .....	18.9	20.5	21.8	22.8	24.0
783	Motion picture theaters .....	54.2	49.3	66.1	63.3	55.6
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	321.9	278.2	365.8	348.5	297.0
80	<b>HEALTH SERVICES</b> .....	4,336.6	4,355.3	4,546.7	4,550.7	4,576.6
801	Offices of physicians .....	590.8	590.4	617.3	617.1	619.4
802	Offices of dentists .....	293.9	291.2	304.9	304.6	310.0
806	Nursing and personal care facilities .....	903.4	907.4	940.0	941.1	942.1
808	Hospitals .....	2,242.2	2,255.0	2,354.4	2,356.2	2,372.4
81	<b>LEGAL SERVICES</b> .....	354.5	361.0	385.5	382.0	385.8
82	<b>EDUCATIONAL SERVICES</b> .....	582.9	644.8	494.3	574.2	649.0
821	Elementary and secondary schools .....	191.1	199.2	153.9	175.2	184.5
822	Colleges and universities .....	326.7	378.8	274.7	331.9	394.1
83	<b>SOCIAL SERVICES</b> .....	850.4	861.5	856.8	879.1	889.6
89	<b>MISCELLANEOUS SERVICES</b> .....	319.5	324.1	349.8	347.0	348.9
891	Engineering and architectural services .....	115.6	116.4	127.0	124.3	124.6
893	Accounting, auditing, and bookkeeping .....	146.0	149.5	162.0	162.5	164.3
-	<b>GOVERNMENT</b> .....	7,584	7,896	6,947	7,399	7,717
-	<b>FEDERAL GOVERNMENT</b> .....	867	875	889	866	865
-	<b>STATE AND LOCAL GOVERNMENT</b> .....	6,717	7,021	6,058	6,533	6,852
-	State government .....	1,589.7	1,663.2	1,517.6	1,586.0	1,661.1
-	Hospitals .....	334.1	336.3	336.3	334.8	336.2
-	State education .....	621.7	657.9	524.3	605.8	682.2
-	General administration including executive, legislative, and judicial functions .....	423.1	419.8	439.2	431.3	433.2
-	Local government .....	5,127.2	5,358.1	4,540.0	4,946.5	5,190.4
-	Transportation and public utilities .....	98.0	99.4	105.3	104.8	102.9
-	Hospitals .....	496.0	495.4	513.0	513.8	516.1
-	Local education .....	3,260.9	3,545.7	2,618.0	3,149.0	3,420.6
-	General administration including executive, legislative, and judicial functions .....	1,027.9	982.1	1,064.3	977.7	958.8

# ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

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

(In thousands)

Industry division and group	1980	1981											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. p	Dec. p
<b>TOTAL</b> .....	90,949	91,091	91,258	91,347	91,458	91,564	91,615	91,880	91,901	92,033	91,832	91,499	91,206
<b>GOODS-PRODUCING</b> .....	25,631	25,647	25,657	25,705	25,700	25,705	25,818	25,939	25,931	25,930	25,662	25,411	25,151
<b>MINING</b> .....	1,069	1,083	1,091	1,098	950	957	1,110	1,132	1,151	1,162	1,162	1,175	1,172
<b>CONSTRUCTION</b> .....	4,387	4,390	4,389	4,416	4,418	4,334	4,284	4,272	4,275	4,272	4,259	4,228	4,194
<b>MANUFACTURING</b> .....	20,175	20,174	20,177	20,191	20,332	20,414	20,424	20,535	20,505	20,496	20,241	20,008	19,785
<b>DURABLE GOODS</b> .....	12,077	12,084	12,074	12,099	12,207	12,254	12,278	12,333	12,332	12,311	12,115	11,928	11,754
Lumber and wood products .....	687	689	691	692	702	710	699	702	686	677	652	635	625
Furniture and fixtures .....	464	464	466	467	478	484	486	488	487	485	480	471	466
Stone, clay, and glass products .....	655	654	654	651	656	658	658	658	660	655	644	634	627
Primary metal industries .....	1,137	1,137	1,140	1,141	1,145	1,142	1,144	1,140	1,148	1,139	1,114	1,089	1,063
Fabricated metal products .....	1,581	1,579	1,577	1,581	1,595	1,604	1,604	1,614	1,610	1,606	1,575	1,546	1,520
Machinery, except electrical .....	2,490	2,487	2,481	2,480	2,491	2,511	2,521	2,533	2,542	2,551	2,549	2,523	2,490
Electric and electronic equipment .....	2,103	2,110	2,110	2,117	2,134	2,143	2,148	2,163	2,166	2,163	2,150	2,118	2,089
Transportation equipment .....	1,839	1,840	1,833	1,849	1,878	1,872	1,886	1,886	1,889	1,889	1,811	1,778	1,746
Instruments and related products .....	712	713	711	712	714	716	717	723	727	727	723	719	712
Miscellaneous manufacturing ind. ....	409	411	411	409	414	414	415	426	417	419	417	415	416
<b>NONDURABLE GOODS</b> .....	8,098	8,090	8,103	8,092	8,125	8,160	8,146	8,202	8,173	8,185	8,126	8,080	8,031
Food and kindred products .....	1,701	1,696	1,705	1,691	1,697	1,703	1,673	1,691	1,668	1,669	1,675	1,671	1,666
Tobacco manufactures .....	71	71	72	72	72	71	71	71	73	71	70	71	69
Textile mill products .....	842	841	839	838	842	843	846	856	849	849	833	823	816
Apparel and other textile products .....	1,250	1,244	1,243	1,243	1,250	1,258	1,264	1,278	1,272	1,273	1,259	1,251	1,231
Paper and allied products .....	692	691	691	689	691	694	695	696	698	703	691	686	683
Printing and publishing .....	1,269	1,269	1,272	1,276	1,280	1,283	1,284	1,290	1,295	1,301	1,302	1,303	1,303
Chemicals and allied products .....	1,105	1,106	1,109	1,108	1,107	1,109	1,111	1,110	1,106	1,112	1,108	1,103	1,102
Petroleum and coal products .....	209	211	210	210	211	213	212	212	212	211	210	210	209
Rubber and misc. plastic products .....	729	730	731	734	744	753	757	760	764	760	744	732	722
Leather and leather products .....	230	231	231	231	231	233	233	238	236	236	234	230	230
<b>SERVICE-PRODUCING</b> .....	65,318	65,444	65,601	65,642	65,758	65,859	65,797	65,941	65,970	66,103	66,170	66,088	66,055
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	5,118	5,124	5,135	5,139	5,161	5,148	5,149	5,167	5,170	5,186	5,168	5,146	5,136
<b>WHOLESALE AND RETAIL TRADE</b> .....	20,470	20,529	20,600	20,635	20,636	20,714	20,717	20,796	20,862	20,872	20,916	20,821	20,726
<b>WHOLESALE TRADE</b> .....	5,300	5,305	5,313	5,316	5,333	5,346	5,349	5,360	5,375	5,370	5,360	5,357	5,342
<b>RETAIL TRADE</b> .....	15,170	15,224	15,287	15,319	15,303	15,368	15,368	15,436	15,487	15,502	15,556	15,464	15,384
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	5,254	5,268	5,283	5,293	5,316	5,326	5,331	5,344	5,354	5,366	5,360	5,356	5,361
<b>SERVICES</b> .....	18,240	18,300	18,343	18,371	18,475	18,540	18,560	18,642	18,667	18,774	18,788	18,832	18,865
<b>GOVERNMENT</b> .....	16,236	16,223	16,240	16,204	16,170	16,131	16,040	15,992	15,917	15,905	15,938	15,933	15,967
<b>FEDERAL</b> .....	2,800	2,799	2,795	2,781	2,767	2,779	2,781	2,777	2,770	2,765	2,759	2,755	2,764
<b>STATE AND LOCAL</b> .....	13,436	13,424	13,445	13,423	13,403	13,352	13,259	13,215	13,147	13,140	13,179	13,178	13,203

p=preliminary.

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

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

[In thousands]

Industry division and group	1980			1981									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>TOTAL</b> .....	38,473	38,570	38,657	38,780	38,877	38,931	38,987	39,088	39,264	39,469	39,482	39,467	39,459
<b>GOODS-PRODUCING</b> .....	6,754	6,778	6,795	6,806	6,814	6,823	6,878	6,915	6,936	7,016	6,999	6,986	6,939
<b>MINING</b> .....	108	111	113	115	117	119	114	116	124	127	129	132	134
<b>CONSTRUCTION</b> .....	384	388	390	391	392	394	397	397	398	402	401	401	400
<b>MANUFACTURING</b> .....	6,262	6,279	6,292	6,300	6,305	6,310	6,367	6,402	6,414	6,487	6,469	6,453	6,405
<b>DURABLE GOODS</b> .....	2,973	2,990	3,000	3,008	3,013	3,020	3,054	3,073	3,087	3,116	3,118	3,104	3,073
Lumber and wood products .....	102	102	103	104	104	104	106	108	107	108	105	103	100
Furnitures and fixtures .....	137	138	139	139	141	141	145	146	148	149	148	146	146
Stone, clay, and glass products .....	125	126	125	126	127	126	127	128	129	131	131	130	129
Primary metal industries .....	122	124	124	124	124	124	127	128	127	125	128	126	122
Fabricated metal products .....	330	330	331	330	331	333	337	341	342	345	345	343	334
Machinery, except electrical .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Electric and electronic equipment .....	882	888	892	897	898	902	912	915	916	926	925	925	918
Transportation equipment .....	292	296	291	292	294	295	302	303	308	311	314	309	304
Instruments and related products .....	302	302	304	303	302	302	303	305	304	308	310	309	307
Miscellaneous manufacturing ind. ....	189	188	191	192	191	191	192	194	193	200	195	194	193
<b>NONDURABLE GOODS</b> .....	3,289	3,289	3,292	3,292	3,292	3,290	3,313	3,329	3,327	3,371	3,351	3,349	3,332
Food and kindred products .....	508	506	505	505	505	500	506	507	495	504	496	490	500
Tobacco manufactures .....	25	26	25	26	26	26	26	26	26	26	27	26	26
Textile mill products .....	398	398	398	397	396	395	398	399	400	405	402	403	396
Apparel and other textile products .....	1,012	1,008	1,006	1,004	1,001	1,001	1,006	1,012	1,019	1,033	1,025	1,028	1,016
Paper and allied products .....	158	159	159	159	160	160	161	162	160	163	164	165	161
Printing and publishing .....	500	502	504	504	505	507	510	511	512	515	517	519	522
Chemicals and allied products .....	277	278	280	281	282	283	282	282	283	283	282	283	283
Petroleum and coal products .....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Rubber and misc. plastics products .....	246	247	249	250	250	252	257	261	263	268	267	264	257
Leather and leather products .....	137	137	137	137	138	137	137	139	139	144	141	141	140
<b>SERVICE-PRODUCING</b> .....	31,719	31,792	31,862	31,974	32,063	32,108	32,109	32,173	32,328	32,453	32,483	32,481	32,520
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	1,312	1,307	1,311	1,310	1,314	1,318	1,327	1,329	1,335	1,340	1,345	1,356	1,355
<b>WHOLESALE AND RETAIL TRADE</b> ..	8,935	8,941	8,946	8,998	9,031	9,051	8,990	9,024	9,166	9,207	9,237	9,251	9,261
<b>WHOLESALE TRADE</b> .....	1,374	1,370	1,378	1,375	1,378	1,377	1,388	1,389	1,388	1,393	1,403	1,405	1,403
<b>RETAIL TRADE</b> .....	7,561	7,571	7,568	7,623	7,653	7,674	7,602	7,635	7,778	7,814	7,834	7,846	7,858
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,078	3,089	3,103	3,120	3,130	3,138	3,153	3,169	3,172	3,184	3,185	3,198	3,199
<b>SERVICES</b> .....	10,613	10,671	10,720	10,765	10,803	10,830	10,882	10,906	10,924	10,979	10,994	11,057	11,101
<b>GOVERNMENT</b> .....	7,781	7,784	7,782	7,781	7,785	7,771	7,757	7,745	7,731	7,743	7,722	7,619	7,604
<b>FEDERAL</b> .....	883	886	887	887	885	878	877	877	876	878	877	877	873
<b>STATE AND LOCAL</b> .....	6,898	6,898	6,895	6,894	6,900	6,893	6,880	6,868	6,855	6,865	6,845	6,742	6,731

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



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

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

(In thousands)

Industry division and group	1980	1981											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. p	Dec. p
<b>TOTAL PRIVATE</b> .....	60,667	60,807	60,870	60,961	61,114	61,179	61,292	61,585	61,622	61,770	61,527	61,176	60,806
<b>GOODS-PRODUCING</b> .....	18,278	18,305	18,298	18,346	18,338	18,317	18,387	18,476	18,459	18,454	18,185	17,927	17,680
<b>MINING</b> .....	791	800	806	813	689	694	819	834	850	857	854	865	858
<b>CONSTRUCTION</b> .....	3,428	3,452	3,439	3,459	3,462	3,376	3,323	3,315	3,315	3,316	3,301	3,274	3,230
<b>MANUFACTURING</b> .....	14,059	14,053	14,053	14,074	14,187	14,247	14,245	14,327	14,294	14,281	14,030	13,788	13,592
<b>DURABLE GOODS</b> .....	8,301	8,306	8,297	8,325	8,412	8,442	8,455	8,491	8,485	8,465	8,267	8,079	7,923
Lumber and wood products .....	573	575	576	577	586	593	585	585	571	563	540	522	512
Furniture and fixtures .....	374	374	376	376	386	392	393	396	395	391	385	376	371
Stone, clay, and glass products .....	505	504	503	501	506	507	506	508	510	505	495	486	480
Primary metal industries .....	874	876	879	879	884	880	882	879	883	877	851	827	805
Fabricated metal products .....	1,168	1,166	1,164	1,169	1,178	1,164	1,187	1,197	1,193	1,187	1,157	1,131	1,106
Machinery, except electrical .....	1,577	1,577	1,573	1,575	1,580	1,594	1,602	1,605	1,618	1,624	1,615	1,588	1,560
Electric and electronic equipment .....	1,322	1,324	1,326	1,334	1,345	1,353	1,354	1,365	1,364	1,362	1,347	1,306	1,278
Transportation equipment .....	1,182	1,183	1,176	1,190	1,218	1,210	1,218	1,213	1,217	1,221	1,147	1,117	1,092
Instruments and related products .....	423	422	419	420	422	423	422	427	426	426	423	418	412
Miscellaneous manufacturing ind. ....	303	305	305	304	307	306	306	316	308	309	307	308	307
<b>NONDURABLE GOODS</b> .....	5,758	5,747	5,756	5,749	5,775	5,805	5,790	5,836	5,809	5,816	5,763	5,709	5,669
Food and kindred products .....	1,166	1,162	1,168	1,158	1,164	1,170	1,144	1,160	1,140	1,140	1,149	1,144	1,138
Tobacco manufactures .....	55	55	55	56	56	55	56	55	57	56	55	55	54
Textile mill products .....	731	729	727	727	729	731	733	742	736	737	722	710	703
Apparel and other textile products .....	1,068	1,062	1,061	1,061	1,065	1,071	1,077	1,092	1,082	1,084	1,071	1,062	1,046
Paper and allied products .....	521	521	520	519	521	523	524	525	526	531	520	515	512
Printing and publishing .....	707	705	707	708	709	710	709	711	714	718	718	717	717
Chemicals and allied products .....	622	623	625	626	627	629	632	630	630	631	626	621	620
Petroleum and coal products .....	133	134	134	134	134	135	133	133	132	131	130	129	131
Rubber and misc. plastics products .....	561	562	564	566	575	584	585	586	592	588	573	560	552
Leather and leather products .....	194	194	195	194	195	197	197	202	200	200	199	196	196
<b>SERVICE-PRODUCING</b> .....	42,389	42,502	42,572	42,615	42,776	42,862	42,905	43,109	43,163	43,316	43,342	43,249	43,126
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,265	4,264	4,270	4,268	4,291	4,272	4,269	4,284	4,284	4,305	4,277	4,260	4,247
<b>WHOLESALE AND RETAIL TRADE</b> .....	17,932	17,982	18,013	18,031	18,027	18,084	18,093	18,200	18,230	18,271	18,311	18,201	18,094
<b>WHOLESALE TRADE</b> .....	4,324	4,324	4,329	4,330	4,342	4,352	4,350	4,367	4,370	4,367	4,359	4,353	4,345
<b>RETAIL TRADE</b> .....	13,608	13,658	13,684	13,701	13,685	13,732	13,743	13,833	13,860	13,904	13,952	13,848	13,749
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,972	3,986	3,992	3,996	4,017	4,024	4,030	4,037	4,047	4,055	4,049	4,038	4,043
<b>SERVICES</b> .....	16,220	16,270	16,297	16,320	16,441	16,482	16,513	16,588	16,602	16,685	16,705	16,750	16,742

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

p=preliminary.

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

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

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1978				
January.....	66.3	77.0	80.8	79.9
February.....	66.3	76.5	82.8	82.8
March.....	72.1	80.2	83.7	82.3
April.....	73.3	78.2	77.9	85.2
May.....	65.4	78.2	80.2	83.7
June.....	70.6	73.0	78.2	83.4
July.....	62.5	71.2	74.1	81.7
August.....	66.9	69.5	77.3	80.8
September.....	67.2	72.1	77.0	79.4
October.....	66.3	76.2	79.4	75.0
November.....	72.4	76.7	73.3	77.6
December.....	70.9	77.6	74.7	75.0
1979				
January.....	65.1	72.1	72.1	74.7
February.....	66.0	68.6	71.8	70.6
March.....	64.2	65.7	70.1	69.5
April.....	54.1	65.7	64.8	67.2
May.....	60.5	62.8	59.6	59.6
June.....	62.5	63.7	54.4	58.1
July.....	57.0	55.5	56.7	55.8
August.....	53.2	50.0	51.5	55.2
September.....	49.1	53.5	52.0	50.0
October.....	61.6	52.0	50.6	46.2
November.....	49.4	53.5	51.2	38.1
December.....	49.7	49.4	47.7	35.8
1980				
January.....	52.6	50.6	40.4	32.0
February.....	53.2	46.8	33.4	32.6
March.....	49.4	38.7	30.8	31.7
April.....	34.6	30.8	24.7	32.3
May.....	32.8	27.0	26.2	31.4
June.....	31.4	25.9	28.2	31.4
July.....	36.9	35.5	35.2	31.4
August.....	64.8	54.9	45.1	32.6
September.....	64.0	71.2	61.0	34.9
October.....	61.3	69.8	73.5	43.6
November.....	63.4	64.8	72.7	55.8
December.....	56.7	64.0	65.4	70.3
1981				
January.....	59.6	61.0	68.6	78.8
February.....	55.8	61.3	68.6	75.6
March.....	52.3	64.2	67.2	73.3
April.....	69.8	68.9	70.3	64.2
May.....	62.5	66.9	67.7	54.7p
June.....	51.5	68.6	71.8	46.5p
July.....	67.2	60.2	52.9	
August.....	49.7	66.6	37.5p	
September.....	59.3	39.2p	35.8p	
October.....	30.2	32.3p		
November.....	27.3p	25.9p		
December.....	33.4p			

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



















**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P
1 PUERTO RICO .....	(*)	(*)	(*)	.9	.8	.8	37.5	29.3	28.6	(*)	(*)	(*)
2 Caguas .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
3 Mayaguez .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
4 Ponce .....	(*)	(*)	(*)	(*)	(*)	(*)	3.4	1.9	1.8	(*)	(*)	(*)
5 San Juan .....	(*)	(*)	(*)	(*)	(*)	(*)	25.5	21.2	20.9	(*)	(*)	(*)
8 VIRGIN ISLANDS .....	36.3	34.8	35.4	(2)	(2)	(2)	3.3	2.8	2.8	3.3	3.0	2.9

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

<sup>2</sup> Combined with construction.

<sup>3</sup> Employment data adjusted to March 1981 benchmark.

<sup>4</sup> Area included in Chicago-Gary Standard Consolidated 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> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

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

<sup>14</sup> Total includes data for industry divisions not shown separately.

<sup>15</sup> Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

p = preliminary.

\* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P	
17.3	17.9	17.9	115.4	106.4	109.3	27.7	28.0	28.4	84.1	83.0	83.0	263.6	225.3	227.1	1
(*)	(*)	(*)	5.7	5.0	5.0	(*)	(*)	(*)	(*)	(*)	(*)	12.4	10.8	10.8	2
(*)	(*)	(*)	5.9	5.5	5.7	(*)	(*)	(*)	(*)	(*)	(*)	15.8	15.6	15.6	3
(*)	(*)	(*)	8.2	6.9	6.9	(*)	(*)	(*)	7.2	6.6	6.5	18.8	17.2	17.2	4
13.4	13.8	13.9	72.0	68.8	69.1	20.7	21.1	21.5	58.6	58.9	58.4	125.1	117.5	118.0	5
2.0	2.0	2.0	7.2	6.9	7.1	1.5	1.5	1.5	5.7	5.4	5.7	13.3	12.2	13.4	6



# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P
-	<b>TOTAL PRIVATE</b> .....	\$244.28	\$247.06	\$260.44	\$261.10	\$262.24	\$6.92	\$6.94	\$7.42	\$7.46	\$7.45
-	<b>MINING</b> .....	413.76	422.04	457.46	458.32	466.82	9.49	9.57	10.28	10.44	10.42
10	<b>METAL MINING</b> .....	439.93	454.20	475.14	479.07	-	10.73	10.84	12.09	12.19	-
101	Iron ores .....	429.77	459.65	470.87	482.67	-	11.43	11.52	12.59	13.01	-
102	Copper ores .....	481.50	496.32	503.89	501.43	-	11.25	11.28	12.26	12.26	-
11, 12	<b>COAL MINING</b> .....	451.85	456.96	520.88	516.67	-	11.24	11.20	12.17	12.42	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	453.05	458.18	522.16	518.34	-	11.27	11.23	12.20	12.46	-
13	<b>OIL AND GAS EXTRACTION</b> .....	404.93	415.77	442.13	447.53	-	8.88	8.98	9.57	9.75	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	410.02	418.51	453.60	458.58	-	9.88	10.07	10.93	11.05	-
138	Oil and gas field services .....	402.79	414.34	438.36	444.15	-	8.57	8.65	9.19	9.39	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	347.16	347.25	369.77	365.08	-	7.89	7.91	8.52	8.51	-
142	Crushed and broken stone .....	331.52	334.80	355.88	358.48	-	7.40	7.44	8.20	8.26	-
-	<b>CONSTRUCTION</b> .....	376.83	384.28	416.25	407.74	410.69	10.24	10.33	11.10	11.11	11.16
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	339.19	343.40	362.91	359.92	-	9.37	9.46	9.97	9.97	-
152	Residential building construction .....	314.18	319.15	330.48	326.56	-	8.85	8.99	9.18	9.21	-
153	Operative builders .....	298.29	301.39	302.38	293.34	-	8.15	8.19	8.47	8.31	-
154	Nonresidential building construction .....	367.52	370.63	400.73	397.44	-	9.96	9.99	10.86	10.80	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	385.20	386.16	439.27	436.97	-	9.63	9.63	10.74	10.87	-
161	Highway and street construction .....	363.78	344.20	407.22	389.03	-	8.96	8.67	10.03	9.75	-
162	Heavy construction, except highway .....	394.22	402.60	452.92	456.12	-	9.93	9.99	11.02	11.29	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	393.82	404.42	432.16	419.72	-	10.97	11.08	11.84	11.79	-
171	Plumbing, heating, air conditioning .....	412.92	427.43	443.87	430.98	-	11.10	11.16	11.90	11.84	-
172	Painting, paper hanging, decorating .....	344.09	352.25	381.22	362.89	-	10.15	10.21	10.83	10.58	-
173	Electrical work .....	455.10	479.80	506.34	490.03	-	12.30	12.43	13.36	13.28	-
174	Masonry, stonework, and plastering .....	367.05	366.58	394.19	385.32	-	10.67	10.75	11.36	11.40	-
175	Carpentering and flooring .....	340.60	342.66	370.28	361.20	-	9.93	9.99	10.46	10.50	-
176	Roofing and sheet metal work .....	321.60	316.77	353.28	356.02	-	9.60	9.57	10.36	10.41	-
-	<b>MANUFACTURING</b> .....	305.52	314.16	323.56	324.32	330.40	7.60	7.70	8.15	8.19	8.26
24, 25, 32-39	<b>DURABLE GOODS</b> .....	330.08	341.55	349.27	350.00	357.62	8.11	8.23	8.71	8.75	8.83
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	268.71	274.91	286.99	288.95	292.39	6.82	6.89	7.34	7.39	7.44
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	264.99	267.58	270.84	267.34	271.98	6.76	6.74	7.09	7.11	7.12
241	Logging camps and logging contractors .....	333.90	323.67	363.48	356.52	-	8.81	8.54	9.32	9.41	-
242	Sawmills and planing mills .....	275.41	283.50	280.24	271.88	-	6.99	7.00	7.26	7.25	-
2421	Sawmills and planing mills, general .....	289.93	298.82	294.14	285.36	-	7.34	7.36	7.64	7.63	-
2426	Hardwood dimension and flooring .....	191.66	197.56	200.46	200.33	-	4.84	4.90	5.14	5.19	-
243	Millwork, plywood, and structural members .....	264.80	266.00	258.75	258.49	-	6.67	6.65	6.90	6.93	-
2431	Millwork .....	264.54	266.79	271.74	271.03	-	6.63	6.62	7.17	7.17	-
2434	Wood kitchen cabinets .....	227.71	238.39	226.32	232.13	-	6.04	6.16	6.15	6.24	-
2435	Hardwood veneer and plywood .....	210.71	219.03	215.17	211.75	-	5.19	5.24	5.42	5.50	-
2436	Softwood veneer and plywood .....	336.15	321.05	303.36	301.32	-	8.30	8.19	8.45	8.37	-
244	Wood containers .....	191.86	198.60	209.44	210.27	-	5.13	5.24	5.44	5.49	-
245	Wood buildings and mobile homes .....	236.25	232.13	229.39	228.55	-	6.25	6.24	6.48	6.53	-
2451	Mobile homes .....	230.89	228.17	226.40	226.98	-	6.19	6.15	6.45	6.43	-
249	Miscellaneous wood products .....	225.28	231.49	238.79	239.95	-	5.59	5.66	6.03	6.09	-
25	<b>FURNITURE AND FIXTURES</b> .....	216.19	225.72	233.53	231.11	238.46	5.63	5.70	6.05	6.05	6.13
251	Household furniture .....	200.17	209.61	214.12	210.56	-	5.24	5.32	5.62	5.60	-
2511	Wood household furniture .....	188.37	194.13	201.76	200.33	-	4.83	4.89	5.20	5.19	-
2512	Upholstered household furniture .....	208.87	226.37	224.03	215.88	-	5.63	5.76	5.99	5.98	-
2514	Metal household furniture .....	209.50	213.79	231.21	231.07	-	5.47	5.51	5.99	5.94	-
2515	Mattresses and bedsprings .....	213.96	222.05	219.75	215.14	-	5.83	5.89	6.19	6.20	-
252	Office furniture .....	242.53	254.61	263.56	264.11	-	6.14	6.21	6.54	6.57	-
253	Public building and related furniture .....	238.73	247.23	271.26	274.11	-	6.09	6.15	6.85	6.87	-
254	Partitions and fixtures .....	266.34	271.44	279.69	277.92	-	6.90	6.96	7.19	7.20	-
259	Miscellaneous furniture and fixtures .....	244.05	258.08	274.11	276.01	-	6.29	6.42	6.87	6.97	-

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				
		Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P
-	<b>TOTAL PRIVATE</b> .....	35.3	35.6	35.1	35.0	35.2	-	-	-	-	-
-	<b>MINING</b> .....	43.6	44.1	44.5	43.9	44.8	-	-	-	-	-
10	<b>METAL MINING</b> .....	41.0	41.9	39.3	39.3	-	-	-	-	-	-
101	Iron ores .....	37.6	39.9	37.4	37.1	-	-	-	-	-	-
102	Copper ores .....	42.8	44.0	41.1	40.9	-	-	-	-	-	-
11, 12	<b>COAL MINING</b> .....	40.2	40.8	42.8	41.6	-	-	-	-	-	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	40.2	40.8	42.8	41.6	-	-	-	-	-	-
13	<b>OIL AND GAS EXTRACTION</b> .....	45.6	46.3	46.2	45.9	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	41.5	41.6	41.5	41.5	-	-	-	-	-	-
138	Oil and gas field services .....	47.0	47.9	47.7	47.3	-	-	-	-	-	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	44.0	43.9	43.4	42.9	-	-	-	-	-	-
142	Crushed and broken stone .....	44.8	45.0	43.4	43.4	-	-	-	-	-	-
-	<b>CONSTRUCTION</b> .....	36.8	37.2	37.5	36.7	36.8	-	-	-	-	-
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	36.2	36.3	36.4	36.1	-	-	-	-	-	-
152	Residential building construction .....	35.5	35.5	36.0	35.5	-	-	-	-	-	-
153	Operative builders .....	36.6	36.8	35.7	35.3	-	-	-	-	-	-
154	Nonresidential building construction .....	36.9	37.1	36.9	36.8	-	-	-	-	-	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	40.0	40.1	40.9	40.2	-	-	-	-	-	-
161	Highway and street construction .....	40.6	39.7	40.6	39.9	-	-	-	-	-	-
162	Heavy construction, except highway .....	39.7	40.3	41.1	40.4	-	-	-	-	-	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	35.9	36.5	36.5	35.6	-	-	-	-	-	-
171	Plumbing, heating, air conditioning .....	37.2	38.3	37.3	36.4	-	-	-	-	-	-
172	Painting, paper hanging, decorating .....	33.9	34.5	35.2	34.3	-	-	-	-	-	-
173	Electrical work .....	37.0	38.6	37.9	36.9	-	-	-	-	-	-
174	Masonry, stonework, and plastering .....	34.4	34.1	34.7	33.8	-	-	-	-	-	-
175	Carpentering and flooring .....	34.3	34.3	35.4	34.4	-	-	-	-	-	-
176	Roofing and sheet metal work .....	33.5	33.1	34.1	34.2	-	-	-	-	-	-
-	<b>MANUFACTURING</b> .....	40.2	40.8	39.7	39.6	40.0	3.1	3.3	2.8	2.6	2.6
24, 25, 32-39	<b>DURABLE GOODS</b> .....	40.7	41.5	40.1	40.0	40.5	3.1	3.4	2.7	2.5	2.6
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	39.4	39.9	39.1	39.1	39.3	3.0	3.1	2.9	2.8	2.6
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	39.2	39.7	38.2	37.6	38.2	3.0	3.1	2.3	2.1	-
241	Logging camps and logging contractors .....	37.9	37.9	39.0	38.1	-	3.4	3.6	3.9	3.5	-
242	Sawmills and planing mills .....	39.4	40.5	38.6	37.5	-	3.5	3.7	2.7	2.5	-
2421	Sawmills and planing mills, general .....	39.5	40.6	38.5	37.4	-	3.7	3.9	2.8	2.6	-
2426	Hardwood dimension and flooring .....	39.6	40.4	39.0	38.6	-	2.6	3.1	2.2	2.1	-
243	Millwork, plywood, and structural members .....	39.7	40.0	37.5	37.3	-	2.9	2.9	1.6	1.5	-
2431	Millwork .....	39.9	40.3	37.9	37.8	-	2.5	2.6	1.2	1.0	-
2434	Wood kitchen cabinets .....	37.7	38.7	36.8	37.2	-	1.5	1.8	1.1	1.3	-
2436	Hardwood veneer and plywood .....	40.6	41.8	39.7	38.5	-	3.5	3.9	2.6	2.1	-
2436	Softwood veneer and plywood .....	40.5	35.2	35.9	36.0	-	4.2	3.7	2.0	1.9	-
244	Wood containers .....	37.4	37.9	38.5	38.3	-	1.7	2.0	2.2	2.2	-
245	Wood buildings and mobile homes .....	37.8	37.2	35.4	35.0	-	2.1	1.8	1.0	.8	-
2451	Mobile homes .....	37.3	37.1	35.1	35.3	-	1.8	1.6	.8	.7	-
249	Miscellaneous wood products .....	40.3	40.9	39.6	39.4	-	3.0	3.2	2.5	2.3	-
25	<b>FURNITURE AND FIXTURES</b> .....	38.4	39.6	38.6	38.2	38.9	1.7	2.2	2.0	1.5	-
251	Household furniture .....	38.2	39.4	38.1	37.6	-	1.6	2.1	1.7	1.4	-
2511	Wood household furniture .....	39.0	39.7	38.8	38.6	-	1.8	2.1	2.0	1.6	-
2512	Upholstered household furniture .....	37.1	39.3	37.4	36.1	-	1.2	1.9	1.2	.9	-
2514	Metal household furniture .....	38.3	38.8	38.6	38.9	-	1.9	2.5	1.8	1.8	-
2515	Mattresses and bedsprings .....	36.7	37.7	35.5	34.7	-	1.5	1.9	1.3	.9	-
252	Office furniture .....	39.5	41.0	40.3	40.2	-	2.4	3.1	2.9	2.5	-
253	Public building and related furniture .....	39.2	40.2	39.6	39.9	-	2.0	3.2	2.4	1.7	-
254	Partitions and fixtures .....	38.6	39.0	38.9	38.6	-	2.0	2.3	2.7	1.9	-
259	Miscellaneous furniture and fixtures .....	38.8	40.2	39.9	39.6	-	1.2	1.8	1.7	1.1	-

See footnotes at end of table.





# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P
		<p><b>32 STONE, CLAY, AND GLASS PRODUCTS</b></p> <p>321 Flat glass ..... 41.4 41.6 40.5 40.7 40.5 4.1 3.9 3.8 3.6 -</p> <p>322 Glass and glassware, pressed or blown ..... 43.3 46.4 42.0 42.4 - 4.5 4.5 3.4 3.2 -</p> <p>3221 Glass containers ..... 40.5 41.1 40.9 40.9 - 3.8 4.0 4.3 4.2 -</p> <p>3229 Pressed and blown glass, nec ..... 41.1 41.8 41.3 41.0 - 4.3 4.6 5.1 5.0 -</p> <p>323 Products of purchased glass ..... 39.6 40.2 40.4 40.7 - 3.2 3.2 3.3 3.2 -</p> <p>324 Cement, hydraulic ..... 42.0 41.3 40.7 40.1 - 4.0 3.7 3.1 2.6 -</p> <p>325 Structural clay products ..... 42.1 42.6 41.8 42.6 - 3.2 3.6 3.1 3.1 -</p> <p>326 Pottery and related products ..... 40.4 40.6 40.2 39.7 - 3.2 3.1 3.0 2.9 -</p> <p>327 Concrete, gypsum, and plaster products ..... 40.1 39.7 38.8 39.4 - 2.9 2.6 2.2 2.1 -</p> <p>3271 Concrete block and brick ..... 42.2 41.6 40.8 41.0 - 5.3 4.8 4.8 4.6 -</p> <p>3272 Concrete products, nec ..... 43.5 43.6 43.4 42.4 - 5.5 5.1 4.6 4.4 -</p> <p>3273 Ready-mixed concrete ..... 42.0 42.7 41.8 41.5 - 4.6 4.5 4.7 4.5 -</p> <p>329 Misc. nonmetallic mineral products ..... 41.5 35.5 39.6 40.0 - 5.5 4.5 4.9 4.8 -</p> <p>3291 Abrasive products ..... 41.6 42.2 40.0 40.4 - 3.5 3.5 3.0 2.9 -</p> <p>3292 Asbestos products ..... 40.3 42.4 40.0 39.9 - 2.8 3.4 2.6 2.3 -</p> <p>33 PRIMARY METAL INDUSTRIES</p> <p>331 Blast furnace and basic steel products ..... 41.1 41.8 40.6 39.8 - 3.1 3.2 2.6 2.4 -</p> <p>3312 Blast furnaces and steel mills ..... 40.8 41.6 39.6 39.6 39.4 3.1 3.4 2.6 2.4 -</p> <p>3317 Steel pipes and tubes ..... 40.2 40.7 38.9 38.8 - 2.4 2.6 2.2 1.9 -</p> <p>332 Iron and steel foundries ..... 40.0 40.5 38.6 38.4 - 2.3 2.4 2.1 1.8 -</p> <p>3321 Gray iron foundries ..... 41.2 41.7 40.9 41.3 - 3.4 3.8 2.8 2.6 -</p> <p>3322 Malleable iron foundries ..... 40.6 42.1 38.6 38.7 - 3.1 3.7 2.5 2.3 -</p> <p>3325 Steel foundries, nec ..... 40.8 42.5 38.3 38.4 - 3.1 3.7 2.4 2.3 -</p> <p>333 Primary nonferrous metals</p> <p>3334 Primary aluminum ..... 40.7 41.5 39.4 39.4 - 2.5 2.9 2.0 1.8 -</p> <p>335 Nonferrous rolling and drawing</p> <p>3351 Copper rolling and drawing ..... 42.4 42.2 41.1 41.3 - 4.0 3.7 3.1 2.9 -</p> <p>3353 Aluminum sheet, plate and foil ..... 41.8 42.1 41.5 40.6 - 3.8 3.8 3.3 3.0 -</p> <p>3357 Nonferrous wire drawing and insulating ..... 42.4 43.2 41.4 41.3 - 4.7 5.2 3.8 3.5 -</p> <p>336 Nonferrous foundries</p> <p>3361 Aluminum foundries ..... 42.6 43.9 41.3 40.9 - 4.8 5.3 4.1 3.4 -</p> <p>3353 Aluminum sheet, plate and foil ..... 43.3 44.7 41.6 42.4 - 5.9 6.6 4.2 4.0 -</p> <p>3357 Nonferrous wire drawing and insulating ..... 42.3 42.7 41.5 41.4 - 4.7 5.3 4.1 3.8 -</p> <p>336 Nonferrous foundries</p> <p>3361 Aluminum foundries ..... 40.3 41.4 40.2 40.2 - 2.5 3.1 2.5 2.3 -</p> <p>34 FABRICATED METAL PRODUCTS</p> <p>341 Metal cans and shipping containers ..... 40.7 41.9 40.3 40.2 - 2.7 3.3 2.6 2.5 -</p> <p>3411 Metal cans ..... 40.9 41.6 40.1 40.0 40.5 3.0 3.3 2.7 2.4 -</p> <p>342 Cutlery, hand tools, and hardware ..... 43.3 44.8 43.2 43.7 - 3.9 4.1 4.1 4.0 -</p> <p>3423 Hand and edge tools, and hand saws and blades ..... 43.5 45.5 43.4 44.1 - 3.7 4.1 4.1 4.0 -</p> <p>3429 Hardware, nec ..... 40.3 40.5 39.4 39.3 - 2.8 2.8 2.1 1.7 -</p> <p>343 Plumbing and heating, except electric ..... 39.9 40.0 39.4 39.5 - 2.2 2.3 1.9 1.8 -</p> <p>3432 Plumbing fittings and brass goods ..... 40.4 40.7 39.4 39.1 - 3.0 3.2 2.1 1.5 -</p> <p>3433 Heating equipment, except electric ..... 39.5 40.8 39.4 38.7 - 2.3 2.9 1.7 1.3 -</p> <p>344 Fabricated structural metal products</p> <p>3441 Fabricated structural metal ..... 39.5 41.2 39.4 38.2 - 1.7 2.7 1.4 1.0 -</p> <p>3442 Metal doors, sash, and trim ..... 39.5 40.2 39.4 39.2 - 2.8 3.1 1.8 1.6 -</p> <p>3443 Fabricated plate work (boiler shops) ..... 40.8 41.3 40.6 40.7 - 3.0 3.3 2.9 2.7 -</p> <p>3444 Sheet metal work ..... 41.7 42.3 41.7 41.1 - 3.5 3.6 3.2 2.9 -</p> <p>3446 Architectural metal work ..... 40.8 40.7 39.0 39.4 - 3.1 3.1 2.2 2.3 -</p> <p>345 Screw machine products, bolts, etc.</p> <p>3451 Screw machine products ..... 41.9 41.8 41.1 41.3 - 3.4 3.5 3.3 3.3 -</p> <p>3452 Bolts, nuts, rivets, and washers ..... 39.3 40.0 39.9 39.9 - 2.3 2.8 2.7 2.5 -</p> <p>346 Metal forgings and stampings</p> <p>3462 Iron and steel forgings ..... 40.3 40.0 39.9 39.9 - 2.3 2.8 2.7 2.5 -</p> <p>3465 Automotive stampings ..... 40.3 41.7 40.7 42.1 - 2.8 3.1 2.1 2.3 -</p> <p>3469 Metal stampings, nec ..... 41.0 41.5 40.1 40.1 - 3.3 3.5 2.8 2.4 -</p> <p>347 Metal services, nec</p> <p>3471 Plating and polishing ..... 39.5 35.9 39.9 40.0 - 2.8 3.0 2.8 2.5 -</p> <p>3479 Metal coating and allied services ..... 42.5 43.0 40.3 40.1 - 3.9 4.1 2.8 2.3 -</p> <p>348 Ordnance and accessories, nec</p> <p>3483 Ammunition, exc. for small arms, nec ..... 41.1 42.3 39.7 39.5 - 3.5 3.8 2.6 2.1 -</p> <p>349 Misc. fabricated metal products ..... 39.4 40.9 39.5 40.2 - 2.9 3.5 2.5 2.7 -</p> <p>3494 Valves and pipe fittings ..... 41.9 43.8 40.0 39.3 - 4.4 4.4 3.0 1.9 -</p> <p>3496 Misc. fabricated wire products ..... 41.1 41.7 39.6 39.4 - 2.9 3.2 2.3 2.1 -</p> <p>35 MACHINERY, EXCEPT ELECTRICAL</p> <p>351 Engines and turbines ..... 41.2 41.7 39.7 39.2 - 2.3 2.9 2.6 2.3 -</p> <p>3511 Turbines and turbine generator sets ..... 40.1 40.5 39.7 39.2 - 3.0 3.5 2.9 2.4 -</p> <p>3519 Internal combustion engines, nec ..... 43.5 44.4 39.8 39.3 - .9 1.5 2.0 2.1 -</p> <p>352 Farm and garden machinery ..... 41.2 41.5 40.0 40.0 - 3.1 3.1 2.7 2.7 -</p> <p>3523 Farm machinery and equipment ..... 40.5 40.8 39.1 39.6 - 2.3 2.4 2.5 2.3 -</p> <p>353 Construction and related machinery ..... 40.5 41.4 39.8 39.6 - 2.7 3.1 2.7 2.5 -</p> <p>3531 Engines and turbines ..... 41.1 41.8 40.2 40.2 - 3.2 3.6 3.0 2.7 -</p> <p>3532 Farm and garden machinery ..... 40.7 41.7 39.1 39.1 - 2.6 2.8 2.3 1.8 -</p> <p>3533 Construction and related machinery ..... 41.3 42.2 40.6 40.9 41.5 3.3 3.8 3.1 3.0 -</p> <p>3511 Turbines and turbine generator sets ..... 39.8 41.3 39.6 39.6 - 2.6 3.7 2.4 1.9 -</p> <p>3519 Internal combustion engines, nec ..... 41.7 42.6 40.6 41.5 - 4.5 4.8 3.8 3.7 -</p> <p>352 Farm and garden machinery ..... 39.1 40.9 39.3 39.0 - 1.9 3.3 2.0 1.3 -</p> <p>3523 Farm machinery and equipment ..... 39.8 41.0 39.7 39.3 - 2.9 3.8 2.7 1.9 -</p> <p>353 Construction and related machinery ..... 40.2 41.6 39.9 39.3 - 3.2 4.3 2.9 2.1 -</p> <p>3531 Engines and turbines ..... 41.2 42.5 41.1 41.4 - 2.8 3.6 3.3 3.3 -</p>									

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				
		Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P
<b>TRANSPORTATION EQUIPMENT—Continued</b>											
376	Guided missiles, space vehicles, parts .....	41.5	42.5	40.4	41.3	-	3.8	4.0	3.0	3.2	-
3761	Guided missiles and space vehicles .....	41.5	42.8	40.2	41.2	-	3.5	3.7	2.8	2.9	
379	Miscellaneous transportation equipment .....	40.7	40.9	40.2	39.7	-	3.2	3.2	2.2	2.5	
3792	Travel trailers and campers .....	38.2	39.0	38.7	36.2	-	1.3	1.9	2.0	.9	
<b>INSTRUMENTS AND RELATED PRODUCTS</b>											
38	Engineering and scientific instruments .....	40.9	41.2	40.4	40.8	41.1	2.6	2.7	2.2	2.3	
381	Measuring and controlling devices .....	41.4	42.8	40.9	41.1	-	3.0	3.5	2.7	2.7	
382	Environmental controls .....	41.3	41.7	40.5	40.9	-	2.3	2.5	2.1	2.1	
3822	Process control instruments .....	40.0	41.3	38.6	39.4	-	2.1	3.0	1.4	1.4	
3823	Instruments to measure electricity .....	44.2	44.2	42.4	43.0	-	3.8	3.4	3.1	3.1	
3825	Optical instruments and lenses .....	41.0	41.2	40.3	40.5	-	1.8	2.0	1.9	1.8	
383	Medical instruments and supplies .....	40.9	42.0	39.4	40.8	-	3.0	3.7	2.0	2.6	
384	Surgical and medical instruments .....	40.0	40.0	39.7	40.2	-	2.5	2.5	2.2	2.4	
3841	Surgical appliances and supplies .....	40.5	39.8	40.1	41.0	-	2.4	2.1	2.3	2.4	
3842	Ophthalmic goods .....	39.6	40.1	39.3	39.7	-	2.8	3.0	2.4	2.6	
385	Photographic equipment and supplies .....	39.4	39.7	39.7	39.1	-	1.6	1.6	1.3	1.4	
386	Watches, clocks, and watchcases .....	42.3	42.0	42.0	42.1	-	3.6	3.6	2.8	2.7	
387	Signs and advertising displays .....	38.9	39.3	39.5	39.4	-	1.2	1.3	2.0	1.7	
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>											
39	Jewelry, silverware, and plated ware .....	39.1	39.5	39.3	39.5	39.2	2.2	2.3	2.2	2.3	
391	Jewelry, precious metal .....	39.0	39.0	39.7	40.7	-	2.8	2.8	3.0	3.4	
3911	Musical instruments .....	38.5	38.8	39.5	40.4	-	3.1	3.4	3.2	3.7	
393	Toys and sporting goods .....	40.1	39.5	38.6	38.8	-	1.8	1.5	1.6	1.4	
394	Dolls, games, toys, and children's vehicles .....	38.7	38.8	39.4	39.4	-	1.6	1.7	2.1	2.0	
3942, 4	Sporting and athletic goods, nec .....	37.5	37.3	38.8	38.5	-	1.1	1.2	1.8	1.7	
3949	Pens, pencils, office and art supplies .....	39.9	40.0	40.1	40.4	-	2.0	2.1	2.6	2.3	
395	Costume jewelry and notions .....	40.9	41.1	39.9	40.9	-	2.8	3.0	1.8	2.3	
396	Costume jewelry .....	38.5	39.4	39.3	39.8	-	2.6	2.7	2.3	3.2	
3961	Miscellaneous manufactures .....	37.8	38.6	38.7	40.0	-	2.9	2.8	2.0	4.3	
399	Signs and advertising displays .....	39.2	39.7	39.0	38.8	-	2.2	2.4	2.0	1.9	
3993	Signs and advertising displays .....	39.3	40.1	39.3	38.9	-	2.5	3.2	2.5	2.3	
<b>NONDURABLE GOODS</b>											
<b>FOOD AND KINDRED PRODUCTS</b>											
20	Meat products .....	40.1	40.3	39.6	39.8	40.3	4.0	3.8	3.7	3.7	
201	Meat packing plants .....	40.1	39.7	39.3	40.1	-	4.3	4.0	3.5	4.2	
2011	Sausages and other prepared meats .....	42.6	41.6	41.3	42.5	-	5.7	5.1	4.5	5.4	
2013	Poultry dressing plants .....	40.1	40.2	39.3	39.5	-	3.3	3.5	3.5	3.7	
2016	Dairy products .....	37.4	37.0	36.8	37.5	-	3.2	2.9	2.3	3.0	
202	Cheese, natural and processed .....	41.5	41.1	40.7	41.4	-	4.0	3.7	3.4	3.8	
2022	Fluid milk .....	40.2	39.8	39.3	40.4	-	3.7	3.3	2.9	3.5	
2026	Preserved fruits and vegetables .....	42.0	41.8	41.2	41.9	-	4.3	4.0	3.9	4.2	
203	Canned specialties .....	38.8	39.3	38.3	38.1	-	3.5	3.2	3.3	2.7	
2032	Canned fruits and vegetables .....	40.6	40.4	40.3	40.2	-	6.2	5.5	4.6	4.9	
2033	Frozen fruits and vegetables .....	38.1	39.3	37.4	37.5	-	3.2	2.7	3.4	2.7	
2037	Grain mill products .....	38.9	38.3	37.4	36.8	-	3.2	3.5	3.4	2.1	
204	Flour and other grain mill products .....	43.4	43.9	42.9	42.5	-	5.9	5.9	5.7	5.2	
2041	Prepared feeds, nec .....	47.4	47.2	45.0	44.7	-	7.1	6.8	5.5	5.2	
2048	Bakery products .....	42.8	43.1	42.9	42.9	-	5.8	6.0	5.7	5.6	
205	Bread, cake, and related products .....	38.7	39.0	38.2	38.1	-	3.6	3.4	3.0	3.0	
2051	Cookies and crackers .....	37.9	37.9	37.8	38.0	-	3.7	3.4	3.2	3.4	
2052	Sugar and confectionery products .....	41.3	42.1	39.3	38.5	-	3.2	3.3	2.6	2.1	
206	Cane and beet sugar .....	40.2	40.7	41.6	40.5	-	3.3	3.1	4.2	3.3	
2061-3	Confectionery products .....	43.3	44.5	44.6	42.8	-	4.4	4.0	6.7	4.9	
2065	Fats and oils .....	38.4	38.6	39.9	38.9	-	2.8	2.7	3.2	2.7	
207	Beverages .....	43.4	43.1	42.4	44.4	-	5.7	5.5	5.7	6.4	
208	Malt beverages .....	40.6	41.2	39.6	40.4	-	4.0	3.6	3.8	3.8	
2082	Bottled and canned soft drinks .....	43.2	42.5	41.3	43.4	-	6.4	5.1	6.2	6.7	
2086	Misc. foods and kindred products .....	38.9	39.8	38.7	38.8	-	2.8	3.2	2.9	2.9	
209	Cigarettes .....	38.1	39.3	38.1	37.7	-	3.5	3.4	3.2	3.2	
<b>TOBACCO MANUFACTURES</b>											
21	Cigarettes .....	40.1	38.1	39.4	38.8	38.7	2.6	2.4	1.9	2.3	
211	Cigarettes .....	40.5	38.7	40.2	39.6	-	3.2	2.6	2.5	2.7	
<b>TEXTILE MILL PRODUCTS</b>											
22	Weaving mills, cotton .....	40.3	40.9	39.4	39.3	39.1	3.2	3.5	2.9	2.7	
221	Weaving mills, synthetics .....	41.6	41.6	40.5	40.4	-	4.0	3.9	3.1	3.3	
222	Weaving and finishing mills, wool .....	41.2	41.1	41.4	41.1	-	3.5	3.7	3.8	3.5	
223	Narrow fabric mills .....	40.0	41.5	40.4	40.9	-	3.0	3.2	4.0	4.2	
224	Knitting mills .....	40.0	41.1	38.8	39.4	-	2.7	2.7	2.4	2.8	
225	Knitting mills .....	38.3	38.7	37.6	37.6	-	2.3	2.5	2.2	1.9	

See footnotes at end of table.





# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P
<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>											
284	Soap, cleaners, and toilet goods .....	\$324.75	\$330.66	\$344.61	\$350.33	-	\$7.94	\$8.05	\$8.53	\$8.65	-
2841	Soap and other detergents .....	438.18	441.58	461.42	472.76	-	10.31	10.39	10.96	11.15	-
2844	Toilet preparations .....	252.72	259.61	261.80	262.96	-	6.24	6.41	6.73	6.76	-
2842, 3	Polishing, sanitation, and finishing preparations .....	303.73	308.77	346.80	354.65	-	7.67	7.70	8.50	8.65	-
285	Paints and allied products .....	314.47	319.30	328.84	322.34	-	7.67	7.75	8.18	8.14	-
286	Industrial organic chemicals .....	429.57	431.57	480.82	478.59	-	9.99	9.99	11.13	11.13	-
2865	Cyclic crudes and intermediates .....	400.44	396.77	453.88	444.51	-	9.40	9.38	10.58	10.41	-
2861, 9	Gum, wood, and industrial organic chemicals, nec .....	438.76	442.83	490.16	490.05	-	10.18	10.18	11.32	11.37	-
287	Agricultural chemicals .....	369.75	382.33	391.00	392.54	-	8.50	8.65	9.20	9.15	-
288	Miscellaneous chemical products .....	335.69	340.13	360.04	366.96	-	8.05	8.06	8.76	8.80	-
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	458.67	449.45	493.93	496.22	\$501.40	10.52	10.38	11.46	11.54	\$11.50
291	Petroleum refining .....	493.63	478.03	529.05	532.88	-	11.27	11.04	12.19	12.25	-
295	Paving and roofing materials .....	356.59	356.91	388.25	375.99	-	8.16	8.13	9.05	9.06	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b> .....	282.77	289.95	297.08	296.00	299.55	6.88	6.97	7.39	7.40	7.47
301	Tires and inner tubes .....	439.26	446.40	476.01	460.40	-	10.36	10.43	11.47	11.34	-
302	Rubber and plastics footwear .....	201.15	191.76	182.09	184.13	-	4.50	4.47	4.83	4.91	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting .....	302.94	308.48	326.82	305.28	-	7.23	7.31	8.03	7.91	-
306	Fabricated rubber products, nec .....	261.23	269.86	277.78	278.70	-	6.45	6.55	6.91	6.95	-
307	Miscellaneous plastics products .....	253.97	262.06	265.20	266.13	-	6.24	6.33	6.63	6.67	-
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	170.25	174.91	186.80	187.17	188.78	4.69	4.74	5.09	5.10	5.13
311	Leather tanning and finishing .....	260.12	260.65	260.24	259.68	-	6.36	6.42	6.69	6.71	-
314	Footwear, except rubber .....	161.62	167.26	177.25	178.96	-	4.54	4.57	4.91	4.93	-
3143	Men's footwear, except athletic .....	173.88	181.44	191.21	189.59	-	4.79	4.80	5.14	5.18	-
3144	Women's footwear, except athletic .....	148.68	157.08	166.47	170.41	-	4.36	4.40	4.77	4.76	-
316	Luggage .....	176.05	187.86	206.22	202.17	-	4.81	5.05	5.47	5.42	-
317	Handbags and personal leather goods .....	162.34	161.01	180.38	179.89	-	4.46	4.46	4.81	4.81	-
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	368.02	372.00	389.44	355.36	397.15	9.27	9.30	9.96	10.06	10.08
4011	<b>RAILROAD TRANSPORTATION:</b> Class I railroads <sup>2</sup> .....	433.24	456.12	453.05	-	-	10.49	10.39	10.61	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b> .....	215.90	213.86	231.19	229.48	-	6.35	6.29	6.76	6.85	-
411	Local and suburban transportation .....	272.61	271.52	297.14	300.00	-	6.99	6.98	7.41	7.50	-
413	Intercity highway transportation .....	368.81	336.24	386.60	395.28	-	10.16	9.69	10.65	10.80	-
42	<b>TRUCKING AND WAREHOUSING</b> .....	373.41	386.40	391.64	393.33	-	9.55	9.66	10.12	10.19	-
421, 3	Trucking and trucking terminals .....	382.01	394.40	400.16	401.17	-	9.77	9.86	10.34	10.42	-
422	Public warehousing .....	259.90	263.70	262.71	279.96	-	6.63	6.71	6.95	7.16	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b> .....	448.78	449.01	498.74	508.58	-	10.84	10.64	11.68	11.80	-
48	<b>COMMUNICATION</b> .....	363.01	361.45	398.59	403.20	-	9.03	9.06	10.04	10.08	-
481	Telephone communication .....	378.39	375.87	418.40	422.75	-	9.32	9.35	10.46	10.49	-
4817	Switchboard operating employees <sup>3</sup> .....	270.62	248.62	289.85	302.40	-	7.71	7.58	8.55	8.64	-
4818	Line construction employees <sup>4</sup> .....	496.15	487.08	524.29	525.60	-	11.05	11.07	11.97	12.00	-
483	Radio and television broadcasting .....	294.51	299.11	318.65	324.32	-	7.73	7.83	8.43	8.49	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b> .....	388.32	386.46	423.94	429.11	-	9.29	9.29	10.24	10.34	-
491	Electric services .....	403.85	401.63	430.34	435.77	-	9.48	9.54	10.32	10.45	-
492	Gas production and distribution .....	359.72	359.72	388.96	389.76	-	8.71	8.71	9.51	9.60	-
493	Combination utility services .....	414.73	407.77	477.67	465.10	-	10.14	9.97	11.51	11.55	-
495	Sanitary services .....	305.45	299.94	329.96	330.81	-	7.29	7.28	7.97	8.01	-
-	<b>WHOLESALE AND RETAIL TRADE</b> .....	181.04	182.65	191.40	192.36	193.20	5.64	5.62	6.00	6.03	6.00
50, 51	<b>WHOLESALE TRADE</b> .....	276.82	281.25	299.54	301.08	303.02	7.19	7.23	7.74	7.80	7.83
50	<b>WHOLESALE TRADE-DURABLE GOODS</b> .....	280.80	285.59	302.25	303.81	-	7.20	7.23	7.75	7.81	-
501	Motor vehicles and automotive equipment .....	254.58	267.24	270.61	272.46	-	6.64	6.80	7.14	7.17	-
502	Furniture and home furnishings .....	243.47	247.27	267.71	268.16	-	6.51	6.49	7.12	7.17	-
503	Lumber and construction materials .....	288.86	290.33	314.03	310.85	-	7.35	7.35	7.95	7.95	-
504	Sporting goods, toys, and hobby goods .....	284.61	291.45	307.31	304.62	-	7.47	7.57	8.13	8.08	-

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				
		Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
284	Soap, cleaners, and toilet goods .....	40.9	41.1	40.4	40.5	-	2.9	2.9	2.9	2.6	-
2841	Soap and other detergents .....	42.5	42.5	42.1	42.4	-	4.1	4.0	3.8	3.4	-
2844	Toilet preparations .....	40.5	40.5	38.9	38.9	-	2.4	2.7	2.4	2.1	-
2842, 3	Polishing, sanitation, and finishing preparations .....	39.6	40.1	40.8	41.0	-	2.2	2.0	2.6	2.6	-
285	Paints and allied products .....	41.0	41.2	40.2	35.6	-	2.5	2.5	2.2	1.4	-
286	Industrial organic chemicals .....	43.0	43.2	43.2	43.0	-	3.5	3.7	4.2	3.8	-
2865	Cyclic crudes and intermediates .....	42.6	42.3	42.9	42.7	-	3.8	3.8	3.8	3.1	-
2861, 9	Gum, wood, and industrial organic chemicals, nec .....	43.1	43.5	43.3	43.1	-	3.4	3.7	4.3	4.1	-
287	Agricultural chemicals .....	43.5	44.2	42.5	42.9	-	5.0	5.8	4.1	4.2	-
289	Miscellaneous chemical products .....	41.7	42.2	41.1	41.7	-	3.5	3.6	3.1	3.1	-
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	43.6	43.3	43.1	43.0	43.6	4.0	3.7	4.0	4.0	-
291	Petroleum refining .....	43.8	43.3	43.4	43.5	-	3.8	3.4	3.8	4.0	-
295	Paving and roofing materials .....	43.7	43.9	42.9	41.5	-	5.8	5.9	5.9	5.0	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b> .....	41.1	41.6	40.2	40.0	40.1	3.3	3.5	3.0	2.7	-
301	Tires and inner tubes .....	42.4	42.8	41.5	40.6	-	3.9	3.9	3.4	2.3	-
302	Rubber and plastics footwear .....	44.7	42.9	37.7	37.5	-	3.6	2.9	1.8	2.0	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting .....	41.9	42.2	40.7	39.1	-	2.9	3.2	2.9	1.7	-
306	Fabricated rubber products, nec .....	40.5	41.2	40.2	40.1	-	2.8	3.3	2.6	2.4	-
307	Miscellaneous plastics products .....	40.7	41.4	40.0	39.9	-	3.3	3.5	3.1	2.9	-
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	36.3	36.9	36.7	36.7	36.8	1.5	1.5	1.3	1.3	-
311	Leather tanning and finishing .....	40.9	40.6	38.9	38.7	-	3.1	3.3	2.3	2.3	-
314	Footwear, except rubber .....	35.6	36.6	36.1	36.3	-	1.2	1.3	1.0	1.0	-
3143	Men's footwear, except athletic .....	36.3	37.8	37.2	36.6	-	1.3	1.4	1.1	1.0	-
3144	Women's footwear, except athletic .....	34.1	35.7	34.9	35.8	-	1.0	1.3	.8	.9	-
316	Luggage .....	36.6	37.2	37.7	37.3	-	2.1	2.1	1.2	1.6	-
317	Handbags and personal leather goods .....	36.4	36.1	37.5	37.4	-	1.9	1.7	2.2	1.8	-
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	39.7	40.0	39.1	39.3	39.4	-	-	-	-	-
	<b>RAILROAD TRANSPORTATION:</b>										
4011	Class I railroads <sup>2</sup> .....	41.3	43.9	42.7	-	-	-	-	-	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b> .....	34.0	34.0	34.2	33.5	-	-	-	-	-	-
411	Local and suburban transportation .....	39.0	38.9	40.1	40.0	-	-	-	-	-	-
413	Intercity highway transportation .....	36.3	34.7	36.3	36.6	-	-	-	-	-	-
42	<b>TRUCKING AND WAREHOUSING</b> .....	39.1	40.0	38.7	38.6	-	-	-	-	-	-
421, 3	Trucking and trucking terminals .....	39.1	40.0	38.7	38.5	-	-	-	-	-	-
422	Public warehousing .....	39.2	39.3	37.8	39.1	-	-	-	-	-	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b> .....	41.4	42.2	42.7	43.1	-	-	-	-	-	-
48	<b>COMMUNICATION</b> .....	40.2	39.9	39.7	40.0	-	-	-	-	-	-
481	Telephone communication .....	40.6	40.2	40.0	40.3	-	-	-	-	-	-
4817	Switchboard operating employees <sup>3</sup> .....	35.1	32.8	33.9	35.0	-	-	-	-	-	-
4818	Line construction employees <sup>4</sup> .....	44.9	44.0	43.8	43.8	-	-	-	-	-	-
483	Radio and television broadcasting .....	38.1	38.2	37.8	38.2	-	-	-	-	-	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b> .....	41.8	41.6	41.4	41.5	-	-	-	-	-	-
491	Electric services .....	42.6	42.1	41.7	41.7	-	-	-	-	-	-
492	Gas production and distribution .....	41.3	41.3	40.9	40.6	-	-	-	-	-	-
493	Combination utility services .....	40.9	40.9	41.5	42.0	-	-	-	-	-	-
496	Sanitary services .....	41.9	41.2	41.4	41.3	-	-	-	-	-	-
-	<b>WHOLESALE AND RETAIL TRADE</b> .....	32.1	32.5	31.9	31.9	32.2	-	-	-	-	-
50, 51	<b>WHOLESALE TRADE</b> .....	38.5	38.9	38.7	38.6	38.7	-	-	-	-	-
50	<b>WHOLESALE TRADE-DURABLE GOODS</b> .....	39.0	39.5	39.0	38.9	-	-	-	-	-	-
501	Motor vehicles and automotive equipment .....	38.4	39.3	37.9	38.0	-	-	-	-	-	-
502	Furniture and home furnishings .....	37.4	38.1	37.6	37.4	-	-	-	-	-	-
503	Lumber and construction materials .....	39.3	39.5	39.5	39.1	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods .....	38.1	38.5	37.8	37.7	-	-	-	-	-	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981F	Dec. 1981P	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P
<b>WHOLESALE TRADE-DURABLE GOODS—Continued</b>											
506	Metals and minerals, except petroleum	\$338.75	\$343.13	\$351.35	\$352.14	-	\$8.49	\$8.41	\$8.85	\$8.87	-
506	Electrical goods	293.25	299.30	326.14	328.05	-	7.50	7.52	8.32	8.39	-
507	Hardware, plumbing, and heating equipment	262.77	262.58	278.64	279.08	-	6.79	6.75	7.20	7.23	-
508	Machinery, equipment, and supplies	291.21	293.49	313.23	315.58	-	7.41	7.43	7.95	8.03	-
509	Miscellaneous durable goods	234.30	239.73	246.77	248.45	-	6.07	6.10	6.36	6.42	-
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b>	272.12	274.74	295.29	257.58	-	7.18	7.23	7.73	7.79	-
511	Paper and paper products	300.81	301.62	319.55	317.95	-	8.13	8.13	8.66	8.57	-
512	Drugs, proprietaries, and sundries	281.60	281.62	306.27	311.27	-	7.57	7.55	8.30	8.39	-
513	Apparel, piece goods, and notions	236.59	237.23	256.13	254.88	-	6.36	6.36	6.83	6.87	-
514	Groceries and related products	274.05	275.08	297.61	301.47	-	7.25	7.22	7.71	7.81	-
516	Chemicals and allied products	331.63	344.12	353.72	359.68	-	8.46	8.69	9.14	9.27	-
517	Petroleum and petroleum products	343.14	385.32	363.40	361.30	-	8.60	8.59	9.20	9.17	-
518	Beer, wine, and distilled beverages	312.65	327.12	335.62	338.19	-	8.45	8.70	9.12	9.19	-
519	Miscellaneous nondurable goods	226.77	229.08	246.61	248.10	-	5.89	5.95	6.37	6.39	-
52-59	<b>RETAIL TRADE</b>	150.60	152.20	157.64	156.54	\$159.76	5.02	4.99	5.29	5.32	\$5.29
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b>	202.58	202.95	214.18	214.11	-	5.49	5.50	5.82	5.85	-
521	Lumber and other building materials	222.53	223.10	233.47	231.87	-	5.75	5.75	6.08	6.07	-
525	Hardware stores	159.32	162.24	173.23	176.28	-	4.77	4.80	5.11	5.20	-
53	<b>GENERAL MERCHANDISE STORES</b>	139.87	143.82	149.99	148.38	-	4.79	4.70	5.19	5.17	-
531	Department stores	144.34	148.23	155.19	153.30	-	4.96	4.86	5.37	5.36	-
533	Variety stores	112.13	118.18	122.84	122.51	-	3.84	3.80	4.28	4.21	-
539	Misc. general merchandise stores	117.61	120.74	123.83	125.24	-	3.96	3.92	4.27	4.26	-
54	<b>FOOD STORES</b>	206.46	204.25	211.06	212.89	-	6.66	6.61	6.92	6.98	-
541	Grocery stores	215.59	213.66	219.81	221.96	-	6.91	6.87	7.16	7.23	-
546	Retail bakeries	136.07	136.83	138.71	139.00	-	4.66	4.67	4.85	4.86	-
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b>	218.46	216.00	228.51	230.25	-	5.81	5.76	6.11	6.14	-
551, 2	New and used car dealers	259.67	253.93	268.55	271.10	-	6.78	6.63	7.03	7.06	-
553	Auto and home supply stores	214.12	215.33	229.43	230.17	-	5.30	5.33	5.75	5.74	-
554	Gasoline service stations	163.40	163.79	172.40	172.62	-	4.59	4.64	4.87	4.89	-
56	<b>APPAREL AND ACCESSORY STORES</b>	124.93	129.80	134.33	134.71	-	4.43	4.40	4.73	4.76	-
561	Men's and boys' clothing and furnishings	159.32	165.14	165.36	164.16	-	5.09	5.05	5.30	5.33	-
562	Women's ready-to-wear stores	108.94	114.77	119.68	118.90	-	4.08	4.07	4.40	4.42	-
565	Family clothing stores	117.00	122.09	130.29	132.25	-	4.27	4.21	4.67	4.74	-
566	Shoe stores	135.94	140.06	141.50	142.22	-	4.72	4.70	5.00	4.99	-
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b>	197.34	203.70	209.33	210.71	-	5.72	5.82	6.05	6.09	-
571	Furniture and home furnishings stores	200.20	203.90	207.95	209.42	-	5.72	5.76	6.01	6.07	-
572	Household appliance stores	208.80	214.88	217.62	220.19	-	6.00	6.07	6.20	6.22	-
573	Radio, television, and music stores	183.48	197.64	207.78	208.46	-	5.56	5.83	6.04	6.06	-
58	<b>EATING AND DRINKING PLACES</b>	97.50	98.28	103.48	103.60	-	3.75	3.78	3.98	4.00	-
59	<b>MISCELLANEOUS RETAIL</b>	154.94	159.58	162.24	162.76	-	4.95	4.91	5.20	5.20	-
591	Drug stores and proprietary stores	133.32	133.95	142.85	144.13	-	4.55	4.51	4.96	4.97	-
594	Miscellaneous shopping goods stores	135.27	142.46	146.96	146.65	-	4.57	4.48	4.85	4.84	-
596	Nonstore retailers	194.25	204.84	191.18	190.86	-	5.73	5.77	5.69	5.63	-
598	Fuel and ice dealers	264.67	267.58	274.17	279.17	-	6.65	6.74	7.03	7.14	-
599	Retail stores, nec	166.33	166.32	170.30	172.33	-	5.01	4.95	5.24	5.27	-
-	<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	218.53	217.80	232.40	236.02	234.58	6.02	6.00	6.42	6.52	6.48
60	<b>BANKING</b>	187.61	184.91	200.39	202.38	-	5.14	5.08	5.49	5.56	-
602	Commercial and stock savings banks	184.69	182.14	197.47	199.47	-	5.06	4.99	5.41	5.48	-
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b>	194.55	192.72	208.82	211.18	-	5.33	5.28	5.69	5.77	-
612	Savings and loan associations	183.82	181.00	192.77	195.12	-	5.05	5.00	5.34	5.39	-
614	Personal credit institutions	190.25	190.94	210.73	214.23	-	5.27	5.26	5.68	5.79	-
63	<b>INSURANCE CARRIERS</b>	244.40	244.50	268.93	273.02	-	6.50	6.52	7.21	7.30	-
631	Life insurance	251.92	253.05	284.24	266.48	-	6.70	6.73	7.60	7.66	-
632	Medical service and health insurance	234.08	235.16	254.60	258.91	-	6.16	6.14	6.70	6.76	-
633	Fire, marine, and casualty insurance	239.30	239.11	259.04	263.81	-	6.45	6.48	7.02	7.13	-

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				
		Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P
	<b>WHOLESALE TRADE-DURABLE GOODS—Continued</b>										
505	Metals and minerals, except petroleum .....	39.9	40.8	39.7	39.7	-	-	-	-	-	
506	Electrical goods .....	39.1	39.8	39.2	39.1	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment .....	38.7	38.9	38.7	38.6	-	-	-	-	-	
508	Machinery, equipment, and supplies .....	39.3	39.5	39.4	39.3	-	-	-	-	-	
509	Miscellaneous durable goods .....	38.6	39.3	38.8	38.7	-	-	-	-	-	
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> ..	37.9	38.0	38.2	38.2	-	-	-	-	-	
511	Paper and paper products .....	37.0	37.1	36.9	37.1	-	-	-	-	-	
512	Drugs, proprietaries, and sundries .....	37.2	37.3	36.9	37.1	-	-	-	-	-	
513	Apparel, piece goods, and notions .....	37.2	37.3	37.5	37.1	-	-	-	-	-	
514	Groceries and related products .....	37.8	38.1	38.6	38.6	-	-	-	-	-	
516	Chemicals and allied products .....	39.2	39.6	38.7	38.8	-	-	-	-	-	
517	Petroleum and petroleum products .....	39.9	40.2	39.5	39.4	-	-	-	-	-	
518	Beer, wine, and distilled beverages .....	37.0	37.6	36.8	36.8	-	-	-	-	-	
519	Miscellaneous nondurable goods .....	38.5	38.5	38.4	38.2	-	-	-	-	-	
52-59	<b>RETAIL TRADE</b> .....	30.0	30.5	29.8	29.8	30.2	-	-	-	-	
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	36.9	36.9	36.8	36.6	-	-	-	-	-	
521	Lumber and other building materials .....	38.7	38.8	38.4	38.2	-	-	-	-	-	
525	Hardware stores .....	33.4	33.8	33.9	33.9	-	-	-	-	-	
53	<b>GENERAL MERCHANDISE STORES</b> .....	29.2	30.6	28.9	28.7	-	-	-	-	-	
531	Department stores .....	29.1	30.5	28.9	28.6	-	-	-	-	-	
533	Variety stores .....	29.2	31.1	28.7	29.1	-	-	-	-	-	
539	Misc. general merchandise stores .....	29.7	30.8	29.0	29.4	-	-	-	-	-	
54	<b>FOOD STORES</b> .....	31.0	30.9	30.5	30.5	-	-	-	-	-	
541	Grocery stores .....	31.2	31.1	30.7	30.7	-	-	-	-	-	
546	Retail bakeries .....	29.2	29.3	28.6	28.6	-	-	-	-	-	
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	37.6	37.5	37.4	37.5	-	-	-	-	-	
551, 2	New and used car dealers .....	38.3	38.3	38.2	38.4	-	-	-	-	-	
553	Auto and home supply stores .....	40.4	40.4	39.9	40.1	-	-	-	-	-	
554	Gasoline service stations .....	35.6	35.3	35.4	35.3	-	-	-	-	-	
56	<b>APPAREL AND ACCESSORY STORES</b> .....	28.2	29.5	28.4	28.3	-	-	-	-	-	
561	Men's and boys' clothing and furnishings .....	31.3	32.7	31.2	30.8	-	-	-	-	-	
562	Women's ready-to-wear stores .....	26.7	28.2	27.2	26.9	-	-	-	-	-	
565	Family clothing stores .....	27.4	29.0	27.9	27.9	-	-	-	-	-	
566	Shoe stores .....	28.8	29.8	28.3	28.5	-	-	-	-	-	
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b> .....	34.5	35.0	34.6	34.6	-	-	-	-	-	
571	Furniture and home furnishings stores .....	35.0	35.4	34.6	34.5	-	-	-	-	-	
572	Household appliance stores .....	34.8	35.4	35.1	35.4	-	-	-	-	-	
573	Radio, television, and music stores .....	33.0	33.9	34.4	34.4	-	-	-	-	-	
58	<b>EATING AND DRINKING PLACES</b> .....	26.0	26.0	26.0	25.9	-	-	-	-	-	
59	<b>MISCELLANEOUS RETAIL</b> .....	31.3	32.5	31.2	31.3	-	-	-	-	-	
591	Drug stores and proprietary stores .....	29.3	29.7	28.8	29.0	-	-	-	-	-	
594	Miscellaneous shopping goods stores .....	29.6	31.8	30.3	30.3	-	-	-	-	-	
596	Nonstore retailers .....	33.9	35.5	33.6	33.9	-	-	-	-	-	
598	Fuel and ice dealers .....	35.8	39.7	39.0	39.1	-	-	-	-	-	
599	Retail stores, nec. .....	33.2	33.6	32.5	32.7	-	-	-	-	-	
-	<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	36.3	36.3	36.2	36.2	36.2	-	-	-	-	
60	<b>BANKING</b> .....	36.5	36.4	36.5	36.4	-	-	-	-	-	
602	Commercial and stock savings banks .....	36.5	36.5	36.5	36.4	-	-	-	-	-	
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	36.5	36.5	36.7	36.6	-	-	-	-	-	
612	Savings and loan associations .....	36.4	36.2	36.1	36.2	-	-	-	-	-	
614	Personal credit institutions .....	36.1	36.3	37.1	37.0	-	-	-	-	-	
63	<b>INSURANCE CARRIERS</b> .....	37.6	37.5	37.3	37.4	-	-	-	-	-	
631	Life insurance .....	37.6	37.6	37.4	37.4	-	-	-	-	-	
632	Medical service and health insurance .....	38.0	38.3	38.0	38.3	-	-	-	-	-	
633	Fire, marine, and casualty insurance .....	37.1	36.9	36.9	37.0	-	-	-	-	-	

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				
		Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P
-	<b>SERVICES</b> .....	\$198.53	\$199.51	\$213.53	\$216.45	\$216.45	\$6.09	\$6.12	\$6.57	\$6.66	\$6.66
	<b>HOTELS AND OTHER LODGING PLACES:</b>										
701	Hotels, motels, and tourist courts .....	140.59	139.83	151.10	151.78	-	4.64	4.74	4.89	4.96	-
	<b>PERSONAL SERVICES:</b>										
721	Laundry, cleaning, and garment services .....	155.04	156.56	165.43	164.64	-	4.56	4.63	4.88	4.90	-
723	Beauty shops .....	130.23	135.75	140.70	143.10	-	4.37	4.51	4.69	4.77	-
73	<b>BUSINESS SERVICES</b> .....	202.70	202.99	216.14	220.40	-	6.18	6.17	6.63	6.74	-
731	Advertising .....	302.74	299.88	315.23	326.45	-	8.48	8.40	8.93	9.17	-
734	Services to buildings .....	144.10	144.35	147.68	151.99	-	5.24	5.23	5.49	5.65	-
737	Computer and data processing services .....	271.58	274.91	307.05	307.56	-	7.34	7.41	8.21	8.29	-
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	235.60	235.98	249.00	248.44	-	6.20	6.21	6.57	6.59	-
753	Automotive repair shops .....	260.13	260.24	276.36	276.83	-	6.67	6.69	7.05	7.08	-
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	283.29	286.44	301.86	301.48	-	7.19	7.27	7.76	7.77	-
78	<b>MOTION PICTURES</b> .....	232.10	251.35	242.86	251.51	-	8.44	9.14	9.13	9.42	-
781	Motion picture production and services .....	483.95	512.71	512.31	516.65	-	11.92	12.98	13.17	13.35	-
79	<b>AMUSEMENT AND RECREATION SERVICES</b> ..	175.53	177.61	187.24	193.58	-	5.93	5.98	6.20	6.41	-
80	<b>HEALTH SERVICES</b> .....	193.85	195.16	212.55	214.19	-	5.91	5.95	6.52	6.55	-
801	Offices of physicians .....	200.85	203.36	212.80	214.08	-	6.18	6.20	6.65	6.69	-
802	Offices of dentists .....	170.21	169.29	182.90	183.18	-	5.91	5.94	6.44	6.45	-
805	Nursing and personal care facilities .....	130.71	132.25	141.83	143.83	-	4.23	4.28	4.59	4.61	-
806	Hospitals .....	214.25	216.28	239.33	240.69	-	6.32	6.38	7.06	7.10	-
81	<b>LEGAL SERVICES</b> .....	265.48	263.50	281.47	288.65	-	7.74	7.66	8.23	8.44	-
89	<b>MISCELLANEOUS SERVICES</b> .....	343.14	340.74	366.72	374.90	-	9.03	8.92	9.60	9.84	-
891	Engineering and architectural services .....	375.77	372.09	409.15	413.68	-	9.66	9.59	10.31	10.58	-
893	Accounting, auditing, and bookkeeping .....	284.93	285.75	303.06	308.47	-	7.68	7.50	8.06	8.27	-

<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.

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

\* Corrected hours and earnings data for Railroad equipment (SIC 374) are shown below:

Month/year	Average weekly earnings	Average hourly earnings	Average weekly hours	Average overtime hours
January 1981	\$398.24	\$10.48	38.0	1.1
February 1981	399.24	10.59	37.7	1.8
March 1981	409.73	10.87	38.4	2.2
April 1981	411.09	10.85	38.6	2.2
May 1981	423.44	10.72	39.5	2.1
June 1981	419.82	10.82	38.8	2.4
July 1981	426.73	10.97	38.9	2.2
August 1981	431.04	10.94	39.4	2.3
September 1981	427.69	11.08	38.6	2.3

**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				
		Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P
-	<b>SERVICES</b> .....	32.6	32.6	32.5	32.5	32.5	-	-	-	-	-
701	<b>HOTELS AND OTHER LODGING PLACES:</b> Hotels, motels, and tourist courts .....	30.3	25.5	30.9	30.6	-	-	-	-	-	-
721	<b>PERSONAL SERVICES:</b> Laundry, cleaning, and garment services .....	34.0	33.9	33.9	33.6	-	-	-	-	-	-
723	Beauty shops .....	29.8	30.1	30.0	30.0	-	-	-	-	-	-
73	<b>BUSINESS SERVICES</b> .....	32.8	32.9	32.6	32.7	-	-	-	-	-	-
731	Advertising .....	35.7	35.7	35.3	35.6	-	-	-	-	-	-
734	Services to buildings .....	27.5	27.6	26.9	26.9	-	-	-	-	-	-
737	Computer and data processing services .....	37.0	37.1	37.4	37.1	-	-	-	-	-	-
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	38.0	38.0	37.9	37.7	-	-	-	-	-	-
753	Automotive repair shops .....	39.0	38.9	39.2	39.1	-	-	-	-	-	-
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	39.4	35.4	38.9	38.8	-	-	-	-	-	-
78	<b>MOTION PICTURES</b> .....	27.5	27.5	26.6	26.7	-	-	-	-	-	-
781	Motion picture production and services .....	40.6	39.5	38.9	38.7	-	-	-	-	-	-
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	29.6	29.7	30.2	30.2	-	-	-	-	-	-
80	<b>HEALTH SERVICES</b> .....	32.8	32.8	32.6	32.7	-	-	-	-	-	-
801	Offices of physicians .....	32.5	32.8	32.0	32.0	-	-	-	-	-	-
802	Offices of dentists .....	28.8	28.5	28.4	28.4	-	-	-	-	-	-
805	Nursing and personal care facilities .....	30.9	30.9	30.9	31.2	-	-	-	-	-	-
806	Hospitals .....	33.9	33.9	33.9	33.9	-	-	-	-	-	-
81	<b>LEGAL SERVICES</b> .....	34.3	34.4	34.2	34.2	-	-	-	-	-	-
89	<b>MISCELLANEOUS SERVICES</b> .....	38.0	38.2	38.2	38.1	-	-	-	-	-	-
891	Engineering and architectural services .....	38.9	38.8	39.2	39.1	-	-	-	-	-	-
893	Accounting, auditing, and bookkeeping .....	37.1	38.1	37.6	37.3	-	-	-	-	-	-

# 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>				
	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P
<b>MANUFACTURING</b>	<b>\$7.32</b>	<b>\$7.40</b>	<b>\$7.88</b>	<b>\$7.93</b>	<b>\$8.00</b>
<b>DURABLE GOODS</b>	<b>7.82</b>	<b>7.90</b>	<b>8.42</b>	<b>8.48</b>	<b>8.55</b>
Lumber and wood products	6.51	6.48	6.88	6.92	-
Furniture and fixtures	5.51	5.54	5.90	5.93	-
Stone, clay, and glass products	7.45	7.48	8.12	8.17	-
Primary metal industries	9.91	9.95	10.62	10.77	-
Fabricated metal products	7.49	7.58	8.11	8.17	-
Machinery, except electrical	8.06	8.13	8.72	8.78	-
Electric and electronic equipment	7.05	7.13	7.62	7.65	-
Transportation equipment	9.42	9.60	10.28	10.31	-
Instruments and related products	6.80	6.90	7.41	7.49	-
Miscellaneous manufacturing industries	5.46	5.57	5.90	5.95	-
<b>NONDURABLE GOODS</b>	<b>6.57</b>	<b>6.63</b>	<b>7.08</b>	<b>7.14</b>	<b>7.20</b>
Food and kindred products	6.75	6.81	7.19	7.30	-
Tobacco manufactures	7.60	7.85	8.38	8.66	-
Textile mill products	5.10	5.12	5.52	5.54	-
Apparel and other textile products	4.67	4.73	4.98	4.98	-
Paper and allied products	7.75	7.83	8.39	8.48	-
Printing and publishing	7.53	7.59	8.14	8.15	-
Chemicals and allied products	8.27	8.35	9.01	9.09	-
Petroleum and coal products	10.05	9.95	10.94	11.03	-
Rubber and misc. plastics products	6.61	6.69	7.13	7.16	-
Leather and leather products	4.60	4.65	5.00	5.01	-

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

p = preliminary.

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

NOTE: The spendable earnings series shown below will be discontinued after the March issue. See Editors' Note in this issue.

## C-4. Gross and spendable 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	Gross average weekly earnings			Spendable average weekly earnings <sup>2</sup>					
	Nov. 1980	Oct. 1981	Nov. 1981P	Worker with no dependents			Married worker with 3 dependents		
				Nov. 1980	Oct. 1981	Nov. 1981P	Nov. 1980	Oct. 1981	Nov. 1981P
<b>TOTAL PRIVATE:</b>									
Current dollars	\$244.28	\$260.44	\$261.10	\$195.24	\$207.07	\$207.54	\$213.37	\$225.23	\$225.73
Constant (1977) dollars	172.88	169.01	169.00	138.17	134.37	134.33	151.00	146.16	146.10
<b>MINING:</b>									
Current dollars	413.76	457.46	458.32	304.70	333.41	333.93	337.84	369.05	369.65
Constant (1977) dollars	292.82	296.86	296.65	215.64	216.36	216.14	239.09	239.49	239.26
<b>CONSTRUCTION:</b>									
Current dollars	376.83	416.25	407.74	282.59	308.25	303.06	311.81	339.97	333.97
Constant (1977) dollars	266.69	270.12	263.91	199.99	200.03	196.16	220.67	220.62	216.16
<b>MANUFACTURING:</b>									
Current dollars	305.52	323.56	324.32	237.26	249.93	250.42	259.83	272.84	273.40
Constant (1977) dollars	216.22	209.97	209.92	167.91	162.19	162.08	183.89	177.05	176.96
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>									
Current dollars	368.02	389.44	395.36	277.26	291.88	295.50	305.39	321.06	325.24
Constant (1977) dollars	260.45	252.72	255.90	196.22	189.41	191.26	216.13	208.35	210.51
<b>WHOLESALE AND RETAIL TRADE:</b>									
Current dollars	181.04	191.40	192.36	149.63	157.36	158.06	165.93	172.09	172.73
Constant (1977) dollars	128.12	124.21	124.50	105.90	102.12	102.30	117.43	111.67	111.80
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>									
Current dollars	218.53	232.40	236.02	176.99	187.29	189.84	193.75	203.85	206.61
Constant (1977) dollars	154.66	150.81	152.76	125.26	121.54	122.87	137.12	132.28	133.73
<b>SERVICES:</b>									
Current dollars	198.53	213.53	216.45	162.42	173.60	175.74	178.18	189.27	191.56
Constant (1977) dollars	140.50	138.57	140.10	114.95	112.65	113.75	126.10	122.82	123.99

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

<sup>2</sup> Spendable earnings are calculated by taking the average weekly pay for all production or nonsupervisory jobs, both full-time and part-time, and then deducting social security and Federal income taxes applicable to a single worker or to a married worker with three dependents who earned

this amount (see Explanatory Notes for the establishment data in the back of this publication). A technical note on the calculation and uses of the spendable earnings series is available on request.

p=preliminary.

# 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	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P
	Hours				
TOTAL PRIVATE.....	108.7	109.9	109.6	108.8	108.8
GOODS-PRODUCING.....	104.0	104.3	103.4	101.0	99.2
MINING.....	126.5	129.2	142.1	141.7	142.3
CONSTRUCTION.....	119.3	114.3	119.8	113.6	106.7
MANUFACTURING.....	100.0	101.2	98.4	96.6	95.8
DURABLE GOODS.....	100.4	102.1	97.8	95.8	95.0
Lumber and wood products.....	91.5	92.4	85.5	80.7	79.7
Furniture and fixtures.....	97.7	101.0	100.7	97.9	98.7
Stone, clay, and glass products.....	97.1	95.0	92.8	91.1	87.9
Primary metal industries.....	92.6	95.7	88.3	85.9	83.4
Fabricated metal products.....	98.6	100.2	95.3	93.5	92.4
Machinery, except electrical.....	110.2	113.3	110.1	109.7	110.4
Electric and electronic equipment.....	107.7	110.0	108.2	105.3	104.6
Transportation equipment.....	94.0	95.3	87.0	84.6	85.1
Instruments and related products.....	113.4	114.7	111.3	111.7	111.3
Miscellaneous manufacturing industries.....	94.0	91.0	96.6	96.5	91.5
NONDURABLE GOODS.....	99.5	99.9	99.3	97.8	96.9
Food and kindred products.....	102.2	100.2	102.2	99.3	97.8
Tobacco manufactures.....	110.8	102.5	112.0	107.4	102.4
Textile mill products.....	92.9	93.9	89.0	87.7	86.5
Apparel and other textile products.....	95.2	94.7	96.8	95.4	91.4
Paper and allied products.....	100.2	102.6	99.2	98.1	98.1
Printing and publishing.....	107.6	111.8	109.1	110.0	112.8
Chemicals and allied products.....	100.9	101.5	100.5	100.3	101.2
Petroleum and coal products.....	104.4	101.2	100.9	99.5	100.9
Rubber and misc. plastics products.....	101.1	102.8	101.3	98.8	97.5
Leather and leather products.....	88.6	88.4	91.4	90.1	88.8
SERVICE-PRODUCING.....	111.2	112.9	113.1	113.2	114.1
TRANSPORTATION AND PUBLIC UTILITIES.....	106.4	107.4	105.5	105.3	105.2
WHOLESALE AND RETAIL TRADE.....	107.6	111.1	108.1	108.6	111.1
WHOLESALE TRADE.....	111.0	112.0	112.5	112.1	112.0
RETAIL TRADE.....	106.3	110.7	106.4	107.2	110.8
FINANCE, INSURANCE, AND REAL ESTATE.....	115.9	116.1	118.1	117.8	117.7
SERVICES.....	116.1	116.3	120.4	120.2	119.9

<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	Nov. 1980	Dec. 1980	Oct. 1981	Nov. 1981P	Dec. 1981P
	Payrolls				
TOTAL PRIVATE .....	143.3	145.2	155.0	154.7	154.4
GOODS-PRODUCING .....	139.0	140.7	148.9	146.0	144.1
MINING .....	173.0	177.9	210.3	213.1	213.6
CONSTRUCTION .....	150.8	145.7	164.1	155.7	147.0
MANUFACTURING .....	133.8	137.1	141.2	139.4	139.4
DURABLE GOODS .....	134.4	138.5	140.5	138.2	138.3
Lumber and wood products .....	121.4	122.2	119.0	112.6	111.2
Furniture and fixtures .....	126.7	132.7	140.4	136.4	139.3
Stone, clay, and glass products .....	130.5	128.0	135.8	133.8	129.7
Primary metal industries .....	128.6	133.8	130.9	128.7	125.2
Fabricated metal products .....	129.7	133.7	135.4	133.3	133.4
Machinery, except electrical .....	147.7	154.0	159.3	159.5	162.3
Electric and electronic equipment .....	145.3	150.6	157.4	153.5	154.7
Transportation equipment .....	127.2	131.9	127.2	123.9	125.0
Instruments and related products .....	150.2	154.5	160.2	162.6	164.4
Miscellaneous manufacturing industries .....	121.1	119.7	134.3	135.4	130.5
NONDURABLE GOODS .....	132.8	134.7	142.6	141.5	141.2
Food and kindred products .....	134.7	133.1	143.3	141.2	140.9
Tobacco manufactures .....	157.1	149.9	173.3	172.7	163.0
Textile mill products .....	123.7	125.7	127.7	126.2	124.4
Apparel and other textile products .....	124.7	125.7	135.4	133.2	127.2
Paper and allied products .....	137.5	142.3	146.8	146.4	146.9
Printing and publishing .....	137.0	143.9	150.2	151.3	155.5
Chemicals and allied products .....	134.8	137.1	146.3	147.0	148.9
Petroleum and coal products .....	140.2	134.1	147.6	146.7	148.1
Rubber and misc. plastics products .....	134.5	138.6	144.8	141.3	140.9
Leather and leather products .....	115.3	116.3	128.9	127.4	126.3
SERVICE-PRODUCING .....	146.3	148.4	159.2	160.8	161.6
TRANSPORTATION AND PUBLIC UTILITIES .....	141.0	142.8	150.3	151.6	151.7
WHOLESALE AND RETAIL TRADE .....	141.9	145.8	151.6	153.0	155.9
WHOLESALE TRADE .....	148.1	150.1	161.5	162.2	162.5
RETAIL TRADE .....	138.6	143.5	146.3	148.1	152.3
FINANCE, INSURANCE, AND REAL ESTATE .....	153.6	153.3	167.0	169.0	167.8
SERVICES .....	152.1	153.0	170.3	172.1	171.7



**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED HOURS**

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

Industry	1980	1981											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. p	Dec. p
<b>TOTAL PRIVATE</b> .....	35.3	35.3	35.2	35.3	35.4	35.3	35.2	35.3	35.2	34.9	35.0	35.0	34.9
<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> .....	39.9	40.1	39.8	39.9	40.2	40.3	40.1	40.0	40.0	39.3	39.5	39.3	39.1
<i>Overtime hours</i> .....	3.0	3.0	2.8	2.8	2.9	3.2	3.0	3.0	3.0	2.7	2.7	2.5	2.4
<b>DURABLE GOODS</b> .....	40.4	40.6	40.1	40.4	40.8	40.8	40.5	40.5	40.5	39.7	39.9	39.7	39.4
<i>Overtime hours</i> .....	3.1	3.0	2.8	2.8	3.0	3.2	3.0	3.0	3.0	2.6	2.6	2.4	2.4
Lumber and wood products .....	39.3	39.8	39.1	39.1	39.6	35.8	39.0	38.8	38.6	37.3	37.6	37.5	37.7
Furniture and fixtures .....	38.4	38.5	38.6	38.6	38.8	39.0	38.9	38.5	38.6	37.5	38.1	37.8	37.7
Stone, clay, and glass products .....	41.0	41.3	40.6	40.7	41.2	41.0	40.8	40.9	40.8	40.3	40.0	40.2	39.9
Primary metal industries .....	41.2	41.1	40.7	41.0	41.2	41.0	40.8	40.5	40.7	40.6	39.8	39.6	39.0
Fabricated metal products .....	40.4	40.5	40.2	40.4	40.9	40.9	40.7	40.5	40.5	39.5	40.0	39.6	39.3
Machinery, except electrical .....	40.9	41.1	40.8	40.9	41.3	41.4	41.1	41.1	41.2	40.3	40.7	40.6	40.3
Electric and electronic equipment .....	40.0	40.1	39.6	40.0	40.2	40.4	40.2	40.5	40.4	39.6	39.9	39.3	39.2
Transportation equipment .....	41.0	41.3	40.5	40.9	42.0	41.8	41.4	41.2	41.3	39.9	40.5	40.3	39.5
Instruments and related products .....	40.4	40.6	40.5	40.5	40.1	40.4	40.4	40.5	40.8	40.5	40.4	40.3	40.3
Miscellaneous manufacturing and .....	38.9	38.8	38.6	38.7	38.9	39.2	39.1	39.2	39.1	38.4	39.0	39.0	38.5
<b>NONDURABLE GOODS</b> .....	39.2	39.5	39.2	39.2	39.3	39.6	39.4	39.3	39.3	38.9	39.0	38.8	38.7
<i>Overtime hours</i> .....	2.9	3.0	2.9	2.8	2.9	3.1	3.0	2.9	2.9	2.8	2.8	2.7	2.4
Food and kindred products .....	39.7	40.3	39.9	39.7	40.1	40.0	39.8	39.4	39.4	39.2	39.5	39.5	39.7
Tobacco manufactures .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products .....	40.1	40.0	40.0	39.9	39.8	40.5	40.2	40.4	40.3	38.9	39.3	38.9	38.3
Apparel and other textile products .....	35.5	36.1	35.6	35.7	35.5	36.0	36.1	35.9	36.1	35.2	35.7	35.6	35.1
Paper and allied products .....	42.8	42.6	42.4	42.4	42.6	42.8	42.7	42.7	42.7	43.1	42.4	41.9	41.6
Printing and publishing .....	37.4	37.5	37.3	37.1	37.3	37.6	37.4	37.3	37.3	37.1	37.1	36.9	37.2
Chemicals and allied products .....	41.6	41.6	41.6	41.5	41.5	41.7	41.7	41.8	41.7	42.3	41.5	41.3	41.6
Petroleum and coal products .....	43.2	43.8	43.8	43.5	44.1	43.8	43.4	43.1	42.8	43.3	42.1	42.3	43.6
Rubber and misc. plastics products .....	40.8	40.9	40.3	40.5	40.7	41.3	41.0	40.5	40.6	39.6	40.0	39.7	39.4
Leather and leather products .....	36.6	36.8	37.0	37.1	36.6	37.1	37.4	36.5	36.9	36.1	36.8	36.8	36.5
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>WHOLESALE AND RETAIL TRADE</b> .....	32.1	32.2	32.2	32.2	32.3	32.1	32.1	32.2	32.1	32.1	31.9	32.0	31.9
<b>WHOLESALE TRADE</b> .....	38.6	38.8	38.6	38.6	38.6	38.5	38.5	38.7	38.6	38.5	38.5	38.6	38.4
<b>RETAIL TRADE</b> .....	30.0	30.1	30.2	30.2	30.3	30.1	30.1	30.1	30.1	30.1	29.9	29.9	29.8
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>SERVICES</b> .....	32.7	32.7	32.8	32.8	32.8	32.7	32.5	32.5	32.4	32.4	32.5	32.6	32.6

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

p preliminary.

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

# ESTABLISHMENT DATA SEASONALLY ADJUSTED

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

(1977=100)

Industry division and group	1980	1981											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. p	Dec. p
<b>TOTAL PRIVATE</b> .....	107.9	108.2	107.9	108.4	108.9	108.9	108.7	109.4	109.2	108.6	108.4	107.9	106.9
<b>GOODS-PRODUCING</b> .....	102.3	102.4	100.9	102.4	102.8	103.1	102.6	103.5	103.4	101.1	100.8	99.1	97.3
<b>MINING</b> .....	130.1	130.1	128.6	128.2	112.0	113.3	128.0	136.5	139.8	139.0	140.1	140.3	142.4
<b>CONSTRUCTION</b> .....	115.6	113.9	109.1	116.6	115.8	112.9	109.3	110.9	110.0	105.2	109.8	110.1	107.7
<b>MANUFACTURING</b> .....	98.5	98.9	98.0	98.4	99.9	100.7	100.2	100.5	100.4	98.5	97.2	95.0	93.1
<b>DURABLE GOODS</b> .....	98.5	99.0	97.8	98.6	100.7	101.1	100.6	100.9	100.9	98.6	96.9	94.1	91.6
Lumber and wood products .....	91.7	93.2	91.7	91.9	94.5	96.1	92.9	92.5	89.8	85.5	82.7	79.7	78.6
Furniture and fixtures .....	96.4	96.6	97.4	97.4	100.5	102.6	102.6	102.3	98.4	98.4	98.4	95.4	93.8
Stone, clay, and glass products .....	94.1	94.6	92.8	92.7	94.8	94.5	93.9	94.5	94.6	92.5	90.0	88.8	87.1
Primary metal industries .....	94.6	94.6	94.0	94.7	95.7	94.8	94.6	93.5	94.4	93.6	89.0	86.1	82.5
Fabricated metal products .....	96.1	96.2	95.3	96.2	98.2	98.7	98.4	98.8	98.4	95.5	94.3	91.2	88.5
Machinery, except electrical .....	109.3	109.8	108.7	109.1	110.5	111.8	111.5	111.7	112.9	110.9	111.3	109.2	106.5
Electric and electronic equipment .....	106.1	106.5	105.3	107.0	108.4	109.6	109.2	110.9	110.5	108.2	107.8	102.9	100.5
Transportation equipment .....	88.3	89.1	86.8	88.7	93.3	92.2	91.9	91.1	91.6	88.8	84.7	82.1	78.6
Instruments and related products .....	112.0	112.3	111.2	111.5	110.9	112.0	111.7	113.3	113.9	113.0	112.0	110.4	108.8
Miscellaneous manufacturing ind .....	90.8	91.2	90.7	90.6	92.0	92.4	92.2	95.4	92.8	91.4	92.2	92.5	91.0
<b>NONDURABLE GOODS</b> .....	98.4	98.9	98.3	98.1	98.7	100.1	99.5	99.8	99.5	98.5	97.8	96.4	95.5
Food and kindred products .....	99.7	100.9	100.4	99.0	100.5	100.8	98.1	98.4	96.8	96.3	97.8	97.3	97.3
Tobacco manufactures .....	97.1	98.4	98.1	96.5	96.5	98.4	98.3	103.2	110.1	103.3	98.1	95.8	94.9
Textile mill products .....	91.6	91.2	90.9	90.7	90.7	92.6	92.1	93.7	92.7	89.6	88.7	86.4	84.2
Apparel and other textile products .....	94.4	95.4	94.0	94.3	94.1	96.0	96.8	97.6	97.2	95.0	95.2	94.1	91.4
Paper and allied products .....	100.4	99.9	99.2	95.1	95.9	100.8	100.7	100.9	101.1	103.0	99.2	97.1	95.9
Printing and publishing .....	108.5	108.5	108.2	107.8	108.5	109.5	108.8	108.8	109.3	109.3	109.3	108.5	109.4
Chemicals and allied products .....	100.6	100.8	101.1	101.0	101.2	102.0	102.5	102.4	102.2	103.8	101.0	99.8	100.3
Petroleum and coal products .....	102.4	104.6	104.6	103.9	105.3	105.4	102.9	102.2	100.7	101.1	97.6	97.3	101.8
Rubber and misc. plastics products .....	100.0	100.4	99.3	100.1	102.2	105.3	104.7	103.6	105.0	101.7	100.1	97.1	95.0
Leather and leather products .....	88.1	88.5	89.5	89.3	88.5	90.6	91.4	91.4	91.5	89.5	90.8	89.5	88.7
<b>SERVICE-PRODUCING</b> .....	111.0	111.3	111.7	111.8	112.3	112.0	112.1	112.6	112.5	112.8	112.7	112.7	112.2
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	106.6	105.0	105.4	105.1	105.4	104.9	106.2	106.0	105.2	105.5	104.0	104.6	103.8
<b>WHOLESALE AND RETAIL TRADE</b> .....	105.9	106.6	106.8	106.9	107.2	106.9	107.0	107.8	107.9	108.0	107.7	107.2	106.1
<b>WHOLESALE TRADE</b> .....	110.9	111.5	111.1	111.1	111.4	111.4	111.3	112.3	112.1	111.8	111.6	111.7	110.9
<b>RETAIL TRADE</b> .....	103.9	104.7	105.2	105.4	105.6	105.2	105.3	106.0	106.2	106.6	106.2	105.4	104.3
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	116.5	117.3	117.4	117.5	117.8	117.4	117.6	118.1	118.7	118.3	118.5	118.1	118.3
<b>SERVICES</b> .....	117.3	117.7	118.2	118.4	119.3	119.2	118.7	119.3	119.0	119.6	120.1	120.8	120.7

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

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	1980		1981										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. P	Dec. P
Hourly Earnings Index <sup>2</sup> (1977=100)													
TOTAL PRIVATE (In current dollars) . . . . .	132.6	133.8	135.0	135.8	136.7	137.7	138.4	139.0	140.7	141.5	141.9	143.2	143.3
MINING . . . . .	139.8	142.1	143.2	144.0	145.7	145.6	147.2	148.9	149.4	151.5	151.3	153.6	153.1
CONSTRUCTION . . . . .	126.2	127.6	128.0	128.6	129.0	129.4	130.4	131.8	132.5	132.9	134.3	135.3	135.8
MANUFACTURING . . . . .	135.4	136.5	137.5	138.5	139.9	140.7	141.6	142.5	143.6	144.8	145.5	146.4	146.9
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	132.8	133.7	135.4	136.1	137.3	138.8	139.8	139.3	141.8	141.7	142.0	143.9	144.2
WHOLESALE AND RETAIL TRADE . . . . .	152.4	133.7	135.0	135.8	136.4	137.4	137.8	138.4	140.0	141.2	140.5	141.5	141.4
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	131.9	133.2	135.0	136.0	135.4	136.8	137.1	137.4	140.4	140.3	140.9	143.3	142.3
SERVICES . . . . .	131.1	132.0	133.2	134.0	134.8	136.0	136.6	136.9	139.4	139.8	140.7	142.5	142.5
TOTAL PRIVATE (In 1977 dollars) <sup>4</sup> . . . . .	92.7	92.8	92.7	92.8	93.0	93.1	92.9	92.2	92.7	92.1	92.0	92.4	-
Average hourly earnings													
TOTAL PRIVATE . . . . .	\$6.94	\$6.99	\$7.04	\$7.09	\$7.14	\$7.18	\$7.23	\$7.26	\$7.34	\$7.37	\$7.39	\$7.44	\$7.45
MINING . . . . .	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
CONSTRUCTION . . . . .	10.30	10.39	10.44	10.49	10.52	10.57	10.69	10.77	10.85	10.88	11.01	11.08	11.13
MANUFACTURING . . . . .	7.63	7.69	7.74	7.80	7.90	7.95	7.99	8.02	8.08	8.14	8.15	8.17	8.19
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	9.26	9.33	9.44	9.48	9.57	9.67	9.74	9.71	9.88	9.88	9.89	9.98	10.03
WHOLESALE AND RETAIL TRADE . . . . .	5.69	5.72	5.78	5.81	5.84	5.89	5.91	5.93	5.99	6.05	6.02	6.05	6.07
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
SERVICES . . . . .	6.11	6.15	6.20	6.24	6.27	6.32	6.38	6.42	6.51	6.52	6.58	6.63	6.65
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars . . . . .	244.98	246.75	247.81	250.28	252.76	253.45	254.50	256.28	258.37	257.21	258.65	260.40	260.01
1977 dollars <sup>4</sup> . . . . .	171.19	171.12	170.20	170.96	172.06	171.37	170.92	170.06	170.20	167.45	167.74	168.00	-
Real spendable earnings (married worker with 3 dependents, 1977 dollars) <sup>4, 6</sup> . . . . .	149.48	148.38	147.49	147.96	148.73	148.07	147.62	146.74	146.71	144.43	145.18	145.29	-

<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-8.

<sup>6</sup> See footnote 2, table C-4.

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		
	OCTOBER r1981	NOVEMBER r1981	DECEMBER p1981	Dec. 1980 to Dec. 1981	Oct. 1981 to Nov. 1981	Nov. 1981 to Dec. 1981
TOTAL . . . . .	170,653	169,956	170,038	-0.6	-0.4	0.0
PRIVATE SECTOR . . . . .	139,980	139,720	138,762	-0.3	-0.2	-0.7
MINING . . . . .	2,644	2,688	2,781	11.2	1.7	3.4
CONSTRUCTION . . . . .	8,103	8,167	8,099	-5.3	0.8	-0.8
MANUFACTURING . . . . .	41,632	41,128	40,686	-3.4	-1.2	-1.1
DURABLE GOODS . . . . .	25,208	24,827	24,459	-4.5	-1.5	-1.5
NONDURABLE GOODS . . . . .	16,425	16,300	16,227	-1.9	-0.8	-0.4
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	10,543	10,556	10,509	-1.1	0.1	-0.4
WHOLESALE AND RETAIL TRADE . . . . .	35,063	34,992	34,521	-0.4	-0.2	-1.3
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	10,094	10,113	10,111	1.7	0.2	0.0
SERVICES . . . . .	31,901	32,076	32,056	3.2	0.5	-0.1
GOVERNMENT . . . . .	30,655	30,235	31,275	-2.0	-1.4	3.4

<sup>1</sup> Data refer to hours of all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods for Surveys and Studies*, BLS Bulletin 1910—Chapter 30, Productivity Measures: Private Economy and Major Sectors.

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

**PRODUCTIVITY  
SEASONALLY ADJUSTED**

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

(1977 = 100)

Item	Annual average		Quarterly indexes										
			1979				1980				1981		
	1979	1980	I	II	III	IV	I	II	III	IV	I	II	III
<b>PRIVATE BUSINESS SECTOR:</b>													
Output per hour of all persons . . . . .	99.5	99.3	99.7	99.7	99.4	99.1	99.5	99.1	99.4	99.1	100.3	101.1	r100.9
Output . . . . .	107.7	106.8	107.7	107.1	107.8	108.2	108.7	105.4	105.7	107.5	109.5	109.5	r109.4
Hours . . . . .	108.2	107.5	108.1	107.4	108.4	109.1	109.2	106.4	106.3	108.4	109.2	108.3	r108.5
Compensation per hour . . . . .	119.3	131.5	115.0	118.1	120.7	123.2	126.4	130.1	133.1	135.9	139.7	143.2	146.4
Real compensation per hour . . . . .	99.6	96.7	100.6	100.3	99.2	98.0	96.7	96.5	96.9	96.0	96.1	96.8	r 96.2
Unit labor costs . . . . .	119.9	132.4	115.4	118.5	121.4	124.3	127.0	131.3	133.9	137.0	139.4	141.6	r145.1
Unit nonlabor payments . . . . .	110.9	118.3	109.6	110.4	111.5	112.2	115.2	116.0	119.7	122.7	127.6	129.3	r132.2
Implicit price deflator . . . . .	116.9	127.6	113.4	115.8	118.1	120.2	123.0	126.1	129.1	132.2	135.4	137.5	r140.8
<b>NONFARM BUSINESS SECTOR:</b>													
Output per hour of all persons . . . . .	99.1	98.8	99.5	99.1	98.9	98.8	98.9	98.2	99.0	99.0	100.0	100.4	r 99.9
Output . . . . .	107.7	106.8	107.9	107.1	107.8	108.2	108.5	105.1	105.8	107.7	109.7	109.4	r109.1
Hours . . . . .	108.7	108.1	108.4	108.0	109.0	109.4	109.8	107.1	106.9	108.8	109.7	109.0	109.1
Compensation per hour . . . . .	119.0	130.8	114.9	117.7	120.2	123.0	126.0	129.4	132.3	135.4	139.1	142.4	145.6
Real compensation per hour . . . . .	99.3	96.2	100.4	100.0	98.8	97.8	96.4	96.0	96.3	95.6	95.7	96.3	95.7
Unit labor costs . . . . .	120.0	132.4	115.4	118.7	121.5	124.4	127.4	131.8	133.6	136.8	139.1	141.9	r145.7
Unit nonlabor payments . . . . .	108.5	117.6	107.1	107.7	109.2	110.1	113.9	115.1	119.2	122.0	127.8	128.7	r131.9
Implicit price deflator . . . . .	116.2	127.4	112.6	115.1	117.4	119.7	122.9	126.3	128.8	131.9	135.3	137.5	141.1
<b>MANUFACTURING:</b>													
Output per hour of all persons . . . . .	102.0	101.7	101.5	102.3	102.0	102.1	102.0	100.7	100.7	103.2	104.1	105.1	105.5
Output . . . . .	108.6	103.6	109.3	108.5	108.5	108.2	108.0	101.6	99.9	105.1	107.0	107.9	107.9
Hours . . . . .	106.5	101.9	107.7	106.1	106.4	106.0	105.9	100.9	99.2	101.8	102.8	102.6	102.3
Compensation per hour . . . . .	118.8	131.6	114.5	118.6	119.8	122.3	125.4	130.0	133.9	137.3	140.9	144.6	r147.7
Real compensation per hour . . . . .	99.2	96.7	100.2	100.7	98.5	97.2	95.9	96.4	97.5	97.0	96.9	97.8	r 97.1
Unit labor costs . . . . .	116.5	129.4	112.9	115.9	117.5	119.8	122.9	129.1	133.0	133.0	135.4	137.5	r140.1
<b>DURABLE GOODS</b>													
Output per hour of all persons . . . . .	100.7	99.6	100.7	101.6	100.1	100.3	99.9	98.9	98.3	101.1	102.2	103.7	r103.8
Output . . . . .	110.2	102.9	111.7	110.4	109.5	109.1	108.4	100.7	98.1	104.3	106.4	107.8	r107.4
Hours . . . . .	109.3	103.3	110.8	108.6	109.4	108.7	108.5	101.9	99.8	103.1	104.1	104.0	103.5
Compensation per hour . . . . .	118.4	131.6	114.1	118.4	119.3	121.5	125.1	129.9	134.1	137.7	141.4	145.0	r148.2
Real compensation per hour . . . . .	98.8	96.8	99.8	100.6	98.1	96.6	95.7	96.4	97.6	97.3	97.2	98.1	r 97.5
Unit labor costs . . . . .	117.5	132.1	113.2	116.6	119.2	121.1	125.3	131.4	136.4	136.2	138.3	139.9	r142.8
<b>NONDURABLE GOODS</b>													
Output per hour of all persons . . . . .	104.0	104.9	102.7	103.5	105.0	104.9	105.3	103.5	104.3	106.4	106.9	107.4	r108.0
Output . . . . .	106.4	104.8	105.7	105.9	107.0	107.0	107.4	102.9	102.6	106.3	107.8	108.1	r108.6
Hours . . . . .	102.3	99.9	103.0	102.2	101.9	102.0	101.9	99.4	98.4	99.9	100.9	100.6	100.5
Compensation per hour . . . . .	118.8	131.0	114.5	118.2	119.9	122.9	125.0	129.6	133.3	136.0	139.6	143.2	r146.3
Real compensation per hour . . . . .	99.2	96.3	100.1	100.4	98.6	97.7	95.7	96.2	97.1	96.1	96.0	96.9	r 96.2
Unit labor costs . . . . .	114.3	124.8	111.5	114.1	114.2	117.2	118.7	125.3	127.8	127.8	130.7	133.4	r135.4
<b>NONFINANCIAL CORPORATIONS:</b>													
Output per all-employee hour . . . . .	100.4	101.0	100.6	100.7	100.5	99.9	100.2	100.1	101.8	101.8	103.3	103.9	p103.7
Output . . . . .	109.3	108.5	109.5	109.0	109.4	109.3	109.9	106.8	107.7	109.7	112.8	112.8	p112.7
Hours . . . . .	108.8	107.5	108.9	108.3	108.9	109.4	109.6	106.7	105.8	107.8	109.1	108.6	p108.7
Compensation per hour . . . . .	118.7	130.7	114.5	117.6	120.1	122.7	125.7	129.3	132.5	135.5	139.2	142.3	p145.4
Real compensation per hour . . . . .	99.1	96.2	100.1	99.9	98.7	97.5	96.2	95.9	96.5	95.7	95.7	96.2	p 95.6
Total unit costs . . . . .	116.8	129.7	112.2	115.3	118.2	121.3	124.2	129.2	131.1	134.1	136.0	138.7	p142.2
Unit labor costs . . . . .	118.2	129.4	113.8	116.8	119.5	122.8	125.4	129.1	130.2	133.1	134.7	137.0	p140.2
Unit nonlabor costs . . . . .	112.7	130.2	107.8	111.2	114.6	117.2	120.9	129.3	133.8	136.9	139.5	143.6	p147.9
Unit profits . . . . .	99.0	90.2	105.6	100.7	97.5	92.2	95.5	83.4	89.1	92.4	106.8	102.8	p105.1
Implicit price deflator . . . . .	114.8	125.2	111.5	113.7	115.9	118.1	121.0	124.1	126.4	129.5	132.7	134.7	p138.0

p=preliminary.  
r=revised.

**PRODUCTIVITY  
SEASONALLY ADJUSTED**

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

Item	Quarterly percent change						Annual percent change					
	I 1980	II 1980	III 1980	IV 1980	I 1981	II 1981	III 1979	IV 1979	I 1980	II 1980	III 1980	
	to II 1980	to III 1980	to IV 1980	to I 1981	to II 1981	to III 1981	to II 1980	to III 1980	to IV 1980	to I 1981	to II 1981	to III 1981
<b>PRIVATE BUSINESS SECTOR:</b>												
Output per hour of all persons	-1.8	1.3	-1.1	4.6	3.5	r-1.0	-0.6	0.0	0.0	0.7	2.1	r1.5
Output	-11.5	1.1	6.9	7.9	-0.1	r-0.3	-1.6	-1.9	-0.7	0.8	3.9	r3.5
Hours	-9.9	-0.2	8.1	3.1	-3.5	r0.8	-1.0	-1.9	-0.7	0.0	1.8	2.0
Compensation per hour	12.3	9.5	8.6	11.8	10.4	r9.2	10.1	10.3	10.3	10.5	10.1	10.0
Real compensation per hour	-0.7	1.6	-3.8	0.4	3.2	-2.4	-3.8	-2.3	-2.0	-0.7	0.3	-0.7
Unit labor costs	14.4	8.1	9.8	6.9	6.6	r10.3	10.8	10.3	10.3	9.7	7.8	r8.4
Unit nonlabor payments	2.6	13.7	10.2	17.2	5.3	r9.3	5.1	7.4	9.3	10.8	11.5	r10.4
Implicit price deflator	10.5	9.8	9.9	10.0	6.2	r10.0	9.0	9.4	10.0	10.1	9.0	9.0
<b>NONFARM BUSINESS SECTOR:</b>												
Output per hour of all persons	-2.9	3.6	-0.2	4.3	1.4	r-1.6	-1.0	0.1	0.1	1.1	2.2	r0.9
Output	-12.1	2.9	7.1	7.9	-1.1	r-1.3	-1.9	-1.8	-0.5	1.1	4.1	r3.1
Hours	-9.5	-0.7	7.3	3.5	-2.5	0.3	-0.9	-1.9	-0.6	0.0	1.9	2.1
Compensation per hour	11.3	9.0	9.8	11.6	9.6	r9.3	9.9	10.1	10.1	10.4	10.0	10.1
Real compensation per hour	-1.6	1.2	-2.7	0.2	2.4	r-2.3	-4.0	-2.5	-2.2	-0.8	0.2	-0.6
Unit labor costs	14.6	5.3	10.1	7.0	8.1	r11.1	11.0	9.9	9.9	9.2	7.6	r9.1
Unit nonlabor payments	4.2	15.0	9.9	20.3	3.0	r10.3	6.9	9.1	10.8	12.2	11.8	r10.7
Implicit price deflator	11.3	8.2	10.0	11.0	6.5	r10.9	9.7	9.6	10.2	10.1	8.9	9.6
<b>MANUFACTURING:</b>												
Output per hour of all persons	-4.9	0.0	10.4	3.3	4.1	r1.3	-1.6	-1.3	1.1	2.1	4.4	r4.7
Output	-21.6	-6.6	22.5	7.5	3.3	r0.0	-6.4	-7.9	-2.9	-0.9	6.2	r8.0
Hours	-17.6	-6.5	11.0	4.0	-0.7	-1.3	-4.9	-6.7	-4.0	-2.9	1.7	3.1
Compensation per hour	15.5	12.7	10.5	11.1	10.8	r9.0	9.6	11.7	12.2	12.4	11.3	r10.3
Real compensation per hour	2.1	4.5	-2.2	-0.3	3.5	r-2.7	-4.3	-1.0	-0.3	1.0	1.4	r-0.4
Unit labor costs	21.4	12.7	0.1	7.5	6.4	r7.6	11.3	13.2	11.0	10.2	6.6	r5.3
<b>DURABLE GOODS</b>												
Output per hour of all persons	-3.8	-2.4	12.0	4.5	5.6	r0.5	-2.6	-1.8	0.8	2.4	4.8	r5.6
Output	-25.3	-10.2	27.8	8.7	5.1	r-1.3	-8.7	-10.5	-4.4	-1.8	7.0	r9.5
Hours	-22.4	-8.0	14.0	4.0	-0.5	-1.8	-6.2	-8.8	-5.2	-4.1	2.1	r3.8
Compensation per hour	16.5	13.4	11.3	11.1	10.7	r9.1	9.7	12.4	13.3	13.0	11.6	r10.6
Real compensation per hour	2.9	5.2	-1.4	-0.3	3.5	r-2.5	-4.1	-0.5	0.7	1.6	1.7	r-0.2
Unit labor costs	21.1	16.2	-0.7	6.3	4.8	r8.6	12.7	14.5	12.4	10.4	6.5	r4.7
<b>NONDURABLE GOODS</b>												
Output per hour of all persons	-6.9	3.4	8.3	1.7	2.0	r2.4	-0.1	-0.6	1.5	1.5	3.8	r3.6
Output	-15.7	-1.0	15.3	5.8	0.8	r2.0	-2.8	-4.1	-0.6	0.4	5.0	r5.8
Hours	-9.4	-4.3	6.4	4.1	-1.1	-0.4	-2.7	-3.5	-2.1	-1.0	1.2	2.2
Compensation per hour	15.6	11.9	8.2	11.2	10.7	r8.7	9.7	11.2	10.6	11.7	10.5	r9.7
Real compensation per hour	2.2	3.8	-4.2	-0.2	3.5	r-2.8	-4.1	-1.5	-1.7	0.4	0.7	r-1.0
Unit labor costs	24.2	8.2	-0.1	9.3	8.6	r6.2	9.8	11.9	9.0	10.1	6.4	r5.9
<b>NONFINANCIAL CORPORATIONS:</b>												
Output per all-employee hour	-0.5	6.7	0.0	6.3	2.2	p-0.6	-0.5	1.3	1.9	3.1	3.8	p1.9
Output	-10.9	3.4	7.9	11.5	0.1	p-0.2	-2.0	-1.6	0.4	2.6	5.6	p4.7
Hours	-10.5	-3.1	7.9	4.8	-2.0	p0.4	-1.5	-2.8	-1.5	-0.5	1.8	p2.7
Compensation per hour	12.0	10.2	9.4	11.4	9.3	p9.0	9.9	10.3	10.4	10.8	10.1	p9.8
Real compensation per hour	-1.0	2.2	-3.1	0.0	2.1	p-2.6	-3.9	-2.2	1.9	-0.5	0.3	p-0.9
Total unit costs	17.0	6.2	9.4	5.6	8.4	p10.4	12.0	11.0	10.5	9.5	7.4	p8.4
Unit labor costs	12.6	3.2	9.4	4.8	7.0	p9.6	10.5	8.9	8.4	7.4	6.1	p7.7
Unit nonlabor costs	30.6	14.7	9.5	7.9	12.3	p12.3	16.3	16.8	16.8	15.4	11.1	p10.5
Unit profits	-41.9	30.3	15.7	77.9	-13.9	p8.9	-17.2	-8.6	0.3	11.8	23.3	p17.9
Implicit price deflator	10.5	7.9	9.9	10.4	6.2	p10.2	9.1	9.1	9.6	9.7	8.6	p9.2

p=preliminary.  
r=revised.

SPO 878-878

**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		
	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	CCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P
<b>ALABAMA</b> .....	\$271.35	\$286.63	\$284.65	40.5	40.2	39.7	\$6.70	\$7.13	\$7.17
Birmingham .....	302.40	321.98	320.23	40.0	39.8	39.1	7.56	8.09	8.19
Mobile .....	344.79	366.80	370.60	40.9	41.4	41.5	8.43	8.86	8.93
<b>ALASKA</b> .....	364.99	481.96	(*)	33.0	38.1	(*)	11.06	12.65	(*)
<b>ARIZONA</b> .....	310.84	325.12	328.28	40.9	39.6	39.6	7.60	8.21	8.29
Phoenix .....	305.78	319.57	323.53	41.1	39.6	39.6	7.44	8.07	8.17
Tucson .....	296.43	316.80	324.40	38.2	38.4	38.3	7.76	8.25	8.47
<b>ARKANSAS</b> .....	232.62	254.00	246.79	38.9	40.0	38.5	5.98	6.35	6.41
Fayetteville—Springdale .....	224.08	212.54	219.19	42.6	36.9	36.9	5.26	5.76	5.94
Fort Smith .....	229.74	256.21	240.68	38.1	39.6	37.2	6.03	6.47	6.47
Little Rock—North Little Rock .....	259.35	288.95	282.48	39.0	39.8	38.0	6.65	7.26	7.46
Pine Bluff .....	337.22	318.42	328.44	42.1	41.3	40.8	8.01	7.71	8.05
<b>CALIFORNIA</b> .....	320.00	347.90	354.12	40.0	39.4	39.7	8.00	8.83	8.92
Anaheim—Santa Ana—Garden Grove .....	308.66	333.52	341.85	41.1	39.8	40.6	7.51	8.38	8.42
Bakersfield .....	341.42	365.12	383.16	39.7	40.3	41.2	8.60	9.06	9.30
Fresno .....	282.59	297.83	296.58	38.5	37.7	37.4	7.34	7.90	7.93
Los Angeles—Long Beach .....	306.23	326.30	335.60	40.4	39.6	40.0	7.58	8.24	8.39
Modesto .....	314.72	323.76	344.46	40.4	38.0	40.1	7.79	8.52	8.59
Oxnard—Simi Valley—Ventura .....	275.92	289.85	313.98	39.7	37.4	40.1	6.95	7.75	7.83
Riverside—San Bernardino—Ontario .....	304.94	333.06	325.48	38.6	35.0	35.1	7.90	8.54	8.58
Sacramento .....	328.32	356.66	353.35	38.4	38.6	38.2	8.55	9.24	9.25
Salinas—Seaside—Monterey .....	289.17	299.39	300.57	38.3	36.6	36.7	7.55	8.18	8.19
San Diego .....	302.23	328.99	331.27	39.2	39.4	38.7	7.71	8.35	8.56
San Francisco—Oakland .....	383.94	418.70	419.10	39.5	39.5	39.5	9.72	10.60	10.61
San Jose .....	329.55	365.36	372.30	39.0	39.8	40.6	8.45	9.18	9.17
Santa Barbara—Santa Maria—Lompoc .....	274.32	295.91	303.74	38.8	37.6	38.4	7.07	7.87	7.91
Santa Rosa .....	274.50	302.64	303.41	37.5	38.8	38.7	7.32	7.80	7.84
Stockton .....	338.84	352.69	346.71	39.4	38.8	38.1	8.60	9.09	9.10
Vallejo—Fairfield—Napa .....	336.30	400.03	385.64	38.0	38.8	37.3	8.85	10.31	10.43
<b>COLORADO</b> .....	310.07	325.44	327.49	39.6	39.4	39.6	7.82	8.26	8.27
Denver—Boulder .....	309.68	324.92	329.78	39.5	39.1	39.4	7.84	8.31	8.37
<b>CONNECTICUT</b> .....	309.12	321.21	325.40	42.0	41.3	41.4	7.36	7.78	7.86
Bridgeport .....	323.57	339.20	344.16	42.8	42.4	42.7	7.56	8.00	8.06
Hartford .....	330.72	336.61	342.37	42.4	40.9	41.2	7.80	8.23	8.31
New Britain .....	323.79	332.06	331.06	43.0	42.3	41.8	7.53	7.85	7.92
New Haven—West Haven .....	282.91	300.60	304.50	40.3	39.5	39.7	7.02	7.61	7.67
Stamford .....	285.64	300.12	299.88	41.1	41.0	40.8	6.95	7.32	7.35
Waterbury .....	259.36	273.19	268.21	41.9	41.9	41.2	6.19	6.52	6.51
<b>DELAWARE</b> .....	342.61	324.37	321.01	43.7	38.8	39.1	7.84	8.36	8.21
Wilmington .....	396.49	370.60	373.97	44.4	39.3	39.2	8.93	9.43	9.54
<b>DISTRICT OF COLUMBIA:</b>									
Washington SMSA .....	330.79	358.02	351.66	39.1	39.3	38.9	8.46	9.11	9.04
<b>FLORIDA</b> .....	256.67	271.08	276.08	41.6	40.4	40.6	6.17	6.71	6.80
Fort Lauderdale—Hollywood .....	237.56	263.34	274.09	41.1	42.0	43.3	5.78	6.27	6.33
Jacksonville .....	297.97	323.94	325.55	41.5	42.4	42.5	7.18	7.64	7.66
Lakeland—Winter Haven .....	297.66	307.82	307.59	45.1	42.4	42.9	6.60	7.26	7.17
Miami .....	214.93	222.39	227.53	40.4	39.5	40.2	5.32	5.63	5.66
Orlando .....	271.05	299.11	296.44	41.7	43.1	42.0	6.50	6.94	6.91
Pensacola .....	326.56	329.33	351.12	42.8	41.9	44.0	7.63	7.86	7.98
Tampa—St. Petersburg .....	260.57	267.46	268.93	41.1	39.8	39.9	6.34	6.72	6.74
West Palm Beach—Boca Raton .....	297.84	289.88	287.43	43.8	40.6	40.2	6.80	7.14	7.15
<b>GEORGIA</b> .....	244.61	262.54	262.14	40.7	39.9	39.9	6.01	6.58	6.57
Atlanta .....	279.42	318.76	315.14	39.3	40.4	40.5	7.11	7.89	7.88
Savannah .....	340.55	339.90	346.48	44.4	41.1	42.1	7.67	8.27	8.23
<b>HAWAII</b> .....	276.64	306.54	299.15	38.8	39.3	38.7	7.13	7.80	7.73
Honolulu .....	277.29	301.06	300.27	38.3	38.4	38.3	7.24	7.84	7.84
<b>IDAHO</b> .....	291.07	307.97	(*)	37.9	38.4	(*)	7.68	8.02	(*)
Boise City .....	258.62	297.40	(*)	37.7	39.6	(*)	6.86	7.51	(*)

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		
	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P
<b>ILLINOIS</b> .....	\$338.04	\$366.00	\$367.60	40.1	40.0	40.0	\$8.43	\$9.15	\$9.19
Bloomington—Normal.....	285.84	325.78	323.52	39.7	38.6	39.1	7.20	8.44	8.53
Champaign—Urbana—Rantoul.....	257.71	319.20	319.37	35.4	38.9	38.9	7.28	8.18	8.21
Chicago SMSA.....	311.26	333.36	333.66	39.5	39.5	39.3	7.88	8.44	8.49
Davenport—Rock Island—Moline.....	395.00	446.13	434.30	39.5	39.1	38.4	10.00	11.41	11.31
Decatur.....	369.22	443.20	434.50	38.5	40.0	38.9	9.59	11.08	11.18
Kankakee.....	289.20	290.40	292.56	40.0	36.9	36.8	7.23	7.87	7.95
Peoria.....	407.15	482.21	476.08	39.3	35.3	38.9	10.36	12.27	12.27
Rockford.....	319.46	375.36	371.55	40.8	40.8	40.7	7.83	9.20	9.13
Springfield.....	337.60	406.65	411.88	40.0	40.5	40.7	8.44	10.09	10.12
<b>INDIANA</b> .....	361.08	377.94	376.10	40.8	39.7	39.3	8.85	9.52	9.57
Gary—Hammond—East Chicago.....	476.69	490.59	(*)	40.5	39.5	(*)	11.77	12.42	(*)
Indianapolis.....	362.97	385.16	(*)	41.2	40.5	(*)	8.81	9.51	(*)
<b>IOWA</b> .....	360.99	391.44	391.44	39.8	39.7	39.7	9.07	9.86	9.96
Cedar Rapids.....	372.19	397.13	396.73	40.9	40.4	40.4	9.10	9.83	9.82
Des Moines.....	362.00	405.30	377.35	38.8	38.6	36.6	9.33	10.50	10.31
Dubuque.....	390.78	440.90	423.84	39.5	39.9	39.1	10.15	11.05	10.94
Sioux City.....	331.69	288.02	294.91	41.0	37.6	38.4	8.09	7.66	7.68
Waterloo—Cedar Falls.....	460.37	502.19	492.03	38.3	38.6	38.5	12.02	13.01	12.78
<b>KANSAS</b> .....	314.06	336.56	336.91	41.0	40.5	40.3	7.66	8.31	8.36
Topeka.....	329.54	374.07	343.93	39.8	39.5	38.3	8.28	9.47	8.58
Wichita.....	353.17	369.24	378.21	41.5	40.8	41.3	8.51	9.05	9.16
<b>KENTUCKY</b> .....	310.31	314.70	303.16	40.3	38.9	37.8	7.70	8.09	8.02
Lexington—Fayette.....	298.22	306.54	315.19	39.5	39.2	39.7	7.55	7.82	8.04
Louisville.....	365.38	389.21	358.24	41.1	40.5	37.2	8.89	9.61	9.63
<b>LOUISIANA</b> .....	334.82	357.66	359.45	41.8	41.3	41.7	8.01	9.66	8.62
Baton Rouge.....	421.57	462.21	444.15	44.7	42.6	42.3	9.44	10.85	10.57
New Orleans.....	347.11	351.02	363.72	42.8	41.2	42.0	8.11	8.52	8.66
Shreveport.....	291.93	320.79	320.40	40.1	40.3	40.1	7.28	7.96	7.99
<b>MAINE</b> .....	250.19	276.89	276.40	39.4	40.6	40.0	6.35	6.82	6.96
Lewiston—Auburn.....	201.60	208.62	215.62	38.4	38.6	37.8	5.25	5.70	5.81
Portland.....	237.31	264.40	258.23	38.4	40.0	38.6	6.18	6.61	6.69
<b>MARYLAND</b> .....	318.77	336.76	339.20	40.3	39.9	40.0	7.91	8.44	8.48
Baltimore.....	335.78	355.12	362.30	40.8	40.4	40.8	8.23	8.79	8.88
<b>MASSACHUSETTS</b> .....	266.45	280.45	(*)	39.2	39.5	(*)	6.78	7.10	(*)
Boston.....	292.40	305.71	(*)	40.0	39.6	(*)	7.31	7.72	(*)
Brockton.....	221.50	232.46	(*)	40.2	39.4	(*)	5.51	5.90	(*)
Fall River.....	190.81	215.18	(*)	35.8	37.1	(*)	5.33	5.80	(*)
Lawrence—Haverhill.....	280.89	297.65	(*)	40.3	39.9	(*)	6.97	7.46	(*)
Lowell.....	240.86	256.71	(*)	39.1	39.8	(*)	6.16	6.45	(*)
New Bedford.....	209.55	228.12	(*)	35.1	35.7	(*)	5.97	6.39	(*)
Springfield—Chicopee—Holyoke.....	268.11	290.58	(*)	40.5	41.1	(*)	6.62	7.07	(*)
Worcester.....	265.67	292.35	(*)	39.3	39.4	(*)	6.76	7.42	(*)
<b>MICHIGAN</b> .....	407.46	437.66	425.12	40.8	40.3	39.6	9.99	10.86	10.83
Ann Arbor.....	435.43	477.96	475.40	41.3	41.4	41.8	10.54	11.55	11.36
Battle Creek.....	387.69	445.25	416.81	40.2	40.5	39.9	9.64	11.00	10.44
Bay City.....	380.51	373.71	379.28	41.8	41.0	40.8	9.10	9.12	9.29
Detroit.....	454.20	464.47	464.23	42.6	40.5	40.5	10.66	11.46	11.47
Flint.....	464.59	529.03	483.01	41.4	42.1	38.8	11.22	12.57	12.44
Grand Rapids.....	331.78	361.94	352.87	40.2	40.1	39.5	8.23	9.03	8.92
Jackson.....	378.92	399.62	382.12	42.7	42.4	40.7	8.67	9.42	9.39
Kalamazoo—Portage.....	364.99	387.32	389.76	40.6	39.1	39.2	8.99	9.91	9.61
Lansing—East Lansing.....	395.55	506.53	465.85	37.7	40.5	36.9	10.49	12.51	12.61
Muskegon—Norton Shores—Muskegon Heights.....	343.02	376.49	370.25	40.1	40.5	39.9	8.55	9.30	9.28
Saginaw.....	447.20	486.55	478.21	39.6	38.8	38.5	11.29	12.54	12.41
<b>MINNESOTA</b> .....	310.45	338.45	339.16	39.1	39.4	39.3	7.94	8.59	8.63
Duluth—Superior.....	274.88	334.37	342.41	37.5	38.7	39.7	7.33	9.64	9.65
Minneapolis—St. Paul.....	327.66	358.93	359.33	39.1	39.4	39.4	8.39	9.11	9.12
St. Cloud.....	218.05	258.11	255.94	32.4	36.2	35.4	6.73	7.13	7.23

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		
	NCV. 1980	CCT. 1981	NCV. 1981P	NCV. 1980	CCT. 1981	NGV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P
<b>MISSISSIPPI</b> .....	\$223.51	\$240.73	\$240.47	39.7	39.4	39.1	\$5.63	\$6.11	\$6.15
Jackson .....	253.75	261.09	258.69	40.6	39.8	38.9	6.25	6.56	6.65
<b>MISSOURI</b> .....	300.13	311.63	318.72	39.7	39.1	39.3	7.56	7.97	8.11
Kansas City .....	346.12	359.99	372.27	40.2	39.3	39.9	8.61	9.16	9.33
St. Joseph .....	293.64	288.25	287.25	41.3	38.9	38.3	7.11	7.41	7.57
St. Louis .....	337.55	357.90	364.72	39.9	39.2	39.6	8.46	9.13	9.21
Springfield .....	268.19	290.31	281.99	38.7	38.3	37.3	6.93	7.58	7.56
<b>MONTANA</b> .....	372.20	372.65	370.27	42.2	40.2	39.9	8.82	9.27	9.28
<b>NEBRASKA</b> .....	314.57	321.40	324.77	40.8	41.1	40.8	7.71	7.82	7.96
Lincoln .....	300.05	299.75	307.51	39.9	37.8	38.2	7.52	7.93	8.05
Omaha .....	310.37	336.15	346.23	40.1	39.5	40.4	7.74	8.51	8.57
<b>NEVADA</b> .....	309.60	344.42	350.98	38.7	38.1	38.4	8.00	9.04	9.14
Las Vegas .....	373.05	473.61	(*)	38.9	39.9	(*)	9.59	11.87	(*)
<b>NEW HAMPSHIRE</b> .....	244.80	259.38	262.15	40.0	39.6	39.6	6.12	6.55	6.62
Manchester .....	231.87	241.86	243.51	39.5	39.2	38.9	5.87	6.17	6.26
Nashua .....	273.23	291.06	292.52	40.3	39.6	39.4	6.78	7.35	7.46
<b>NEW JERSEY</b> .....	311.88	328.44	330.46	41.2	40.8	41.0	7.57	8.05	8.06
Atlantic City .....	229.91	250.24	253.68	35.7	36.8	36.5	6.44	6.80	6.95
Camden <sup>1</sup> .....	324.79	327.20	343.21	41.6	40.0	41.5	7.77	8.18	8.27
Hackensack <sup>2</sup> .....	281.31	298.39	299.43	41.8	41.5	41.3	6.73	7.19	7.25
Jersey City <sup>2</sup> .....	307.44	309.14	322.22	42.0	40.2	41.1	7.32	7.69	7.84
New Brunswick—Perth Amboy—Sayreville <sup>2</sup> .....	378.01	397.61	390.92	42.4	42.8	43.1	8.71	9.29	9.07
Newark <sup>2</sup> .....	320.38	346.09	349.00	41.5	41.3	41.4	7.72	8.38	8.43
Paterson—Clifton—Passaic <sup>2</sup> .....	298.07	317.69	323.88	42.4	42.7	43.3	7.03	7.44	7.48
Trenton .....	326.41	325.14	325.92	40.1	38.8	38.8	8.14	8.38	8.40
<b>NEW MEXICO</b> .....	243.60	257.04	267.85	40.6	37.8	39.8	6.00	6.80	6.73
Albuquerque .....	255.01	271.74	280.19	41.6	38.6	40.2	6.13	7.04	6.97
<b>NEW YORK</b> .....	296.96	310.83	315.20	39.7	39.0	39.4	7.48	7.97	8.00
Albany—Schenectady—Troy .....	319.09	332.33	330.85	40.7	39.8	40.2	7.84	8.35	8.23
Binghamton .....	278.94	298.49	303.68	40.9	41.4	41.6	6.82	7.21	7.30
Buffalo .....	396.32	404.24	412.83	40.9	39.4	40.1	9.69	10.26	10.29
Elmira .....	294.74	309.50	320.80	40.1	40.3	40.1	7.35	7.68	8.00
Monroe County <sup>3</sup> .....	409.70	416.98	430.14	42.5	40.8	41.6	9.64	10.22	10.34
Nassau—Suffolk <sup>4</sup> .....	286.22	305.20	307.53	40.2	40.0	40.2	7.12	7.63	7.65
New York—Northwestern New Jersey .....	284.57	(*)	(*)	39.8	(*)	(*)	7.15	(*)	(*)
New York and Nassau—Suffolk <sup>2</sup> .....	257.56	272.95	274.74	38.1	37.7	38.0	6.76	7.24	7.23
New York SMSA <sup>4</sup> .....	250.42	264.15	265.54	37.6	37.1	37.4	6.66	7.12	7.10
New York City <sup>5</sup> .....	245.23	259.78	263.75	37.1	36.9	37.2	6.61	7.04	7.09
Poughkeepsie .....	314.79	326.56	335.62	43.6	42.8	43.7	7.22	7.63	7.68
Rochester .....	381.49	387.73	398.40	42.2	40.6	41.2	9.04	9.55	9.67
Rockland County <sup>6</sup> .....	285.82	312.78	317.98	40.6	40.1	40.2	7.04	7.80	7.91
Syracuse .....	327.92	344.69	349.21	41.3	40.6	40.7	7.94	8.49	8.58
Utica—Rome .....	274.51	300.00	302.35	39.9	40.0	40.1	6.88	7.50	7.54
Westchester County <sup>8</sup> .....	286.71	288.04	284.11	40.9	37.8	38.5	7.01	7.62	6.86
<b>NORTH CAROLINA</b> .....	222.16	240.07	238.39	39.6	39.1	38.7	5.61	6.14	6.16
Asheville .....	225.89	233.82	236.40	40.7	39.7	39.9	5.55	5.89	6.00
Charlotte—Gastonia .....	227.96	241.38	243.36	41.0	39.7	39.7	5.56	6.08	6.13
Greensboro—Winston-Salem—High Point .....	246.36	265.59	264.71	39.8	39.0	38.7	6.19	6.81	6.84
Raleigh—Durham .....	258.65	273.62	282.71	40.1	39.2	40.1	6.45	6.98	7.05
<b>NORTH DAKOTA</b> .....	258.78	278.32	270.07	38.0	39.2	38.2	6.81	7.10	7.07
Fargo—Moorhead .....	274.90	286.21	284.40	36.8	39.1	38.8	7.47	7.32	7.33
<b>OHIO</b> .....	374.67	393.50	398.45	41.4	40.4	40.7	9.05	9.74	9.79
Akron .....	386.62	397.99	397.85	42.3	41.2	41.1	9.14	9.66	9.68
Canton .....	357.50	395.41	409.85	39.2	39.7	40.7	9.12	9.96	10.07
Cincinnati .....	353.22	365.08	368.92	41.9	40.7	40.9	8.43	8.97	9.02
Cleveland .....	378.07	400.66	400.25	41.5	40.8	40.8	9.11	9.92	9.81
Columbus .....	326.73	353.03	361.00	39.7	39.8	40.2	8.23	8.87	8.98
Dayton .....	390.50	412.17	412.76	42.4	41.5	41.4	9.21	9.98	9.97
Toledo .....	389.87	416.34	415.93	41.3	41.1	41.1	9.44	10.13	10.12
Youngstown—Warren .....	458.02	460.45	471.02	41.6	39.9	40.5	11.01	11.54	11.63

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		
	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P
<b>OKLAHOMA</b> .....	\$218.89	\$332.26	\$337.24	41.2	39.3	40.1	\$7.74	\$9.48	\$8.41
Oklahoma City .....	334.91	356.43	347.06	41.5	38.7	39.8	8.07	9.21	8.72
Tulsa .....	537.43	355.12	365.72	41.2	40.4	41.0	8.19	8.79	8.92
<b>OREGON</b> .....	344.70	360.47	357.93	38.3	37.2	36.9	9.00	9.69	9.70
Eugene—Springfield .....	375.01	372.37	376.64	39.6	37.2	37.2	9.47	10.01	10.13
Jackson County .....	353.13	336.17	(*)	39.5	36.5	(*)	8.94	9.21	(*)
Portland .....	341.51	375.12	366.90	38.2	36.2	37.9	8.94	9.82	9.76
Salem .....	258.68	290.23	256.49	35.6	34.8	33.5	8.39	8.34	8.91
<b>PENNSYLVANIA</b> .....	312.44	329.22	322.26	39.4	35.1	39.3	7.93	8.42	8.48
Allentown—Bethlehem—Easton .....	313.73	342.03	340.56	38.4	35.0	38.7	8.17	8.77	8.80
Altoona .....	254.69	284.70	282.90	37.9	39.0	36.7	6.72	7.30	7.31
Delaware Valley .....	323.60	337.79	344.00	40.4	39.6	40.0	8.01	8.53	8.60
Erie .....	326.40	361.47	366.54	40.8	41.5	41.7	8.00	8.71	8.79
Harrisburg .....	291.05	300.30	304.97	40.2	39.0	38.8	7.24	7.70	7.86
Johnstown .....	318.54	323.14	321.53	37.2	37.6	37.0	8.54	8.86	8.69
Lancaster .....	274.04	289.98	291.65	40.3	39.4	39.2	6.80	7.36	7.44
Northeast Pennsylvania .....	222.04	237.54	236.90	36.4	37.0	36.9	6.10	6.42	6.42
Philadelphia SMSA .....	323.16	336.26	344.16	40.7	39.7	40.3	7.94	8.47	8.54
Pittsburgh .....	384.87	409.46	413.82	35.8	35.6	35.6	9.67	10.34	10.45
Reading .....	292.90	310.46	314.03	40.0	39.2	39.6	7.32	7.92	7.93
Scranton .....	222.23	246.24	244.05	37.1	38.9	38.8	5.99	6.33	6.29
Wilkes-Barre—Hazleton .....	222.48	232.05	232.76	36.0	35.7	35.7	6.18	6.50	6.52
Williamsport .....	296.34	321.96	326.02	40.1	40.6	40.3	7.39	7.93	8.09
York .....	283.68	312.57	312.48	40.7	41.4	40.9	6.97	7.55	7.64
<b>RHODE ISLAND</b> .....	226.58	244.14	251.60	39.2	39.0	40.0	5.78	6.26	6.29
Providence—Warwick—Pawtucket .....	225.19	243.20	250.63	39.3	39.1	40.1	5.73	6.22	6.25
<b>SOUTH CAROLINA</b> .....	238.21	257.35	256.88	41.0	40.4	40.2	5.81	6.37	6.39
Charleston—North Charleston .....	274.90	272.13	278.25	41.4	38.6	38.7	6.64	7.05	7.19
Columbia .....	228.80	242.35	243.89	40.0	39.6	39.4	5.72	6.12	6.19
Greenville—Spartanburg .....	233.16	252.94	254.34	40.2	40.6	40.5	5.80	6.23	6.28
<b>SOUTH DAKOTA</b> .....	293.47	287.00	298.91	43.7	41.0	41.4	6.83	7.00	7.22
Rapid City .....	227.24	255.25	257.71	34.8	35.6	35.4	6.53	7.17	7.28
Sioux Falls .....	442.64	444.71	472.71	50.3	43.9	47.7	8.80	10.13	9.91
<b>TENNESSEE</b> .....	254.70	269.96	269.64	40.2	39.7	39.8	6.32	6.80	6.78
Chattanooga .....	263.63	268.37	267.65	41.0	40.6	40.8	6.43	6.61	6.56
Knoxville .....	286.34	298.70	300.27	40.5	39.2	39.2	7.07	7.62	7.66
Memphis .....	290.16	310.54	315.12	40.3	40.7	40.4	7.20	7.63	7.80
Nashville—Davidson .....	269.45	305.45	314.50	39.8	41.0	41.6	6.77	7.45	7.56
<b>TEXAS</b> .....	310.67	340.72	347.36	41.7	41.4	41.8	7.45	8.23	8.31
Abilene .....	210.08	218.82	219.98	42.7	40.9	41.9	4.92	5.35	5.25
Amarillo .....	298.78	313.56	316.81	42.2	39.0	39.8	7.08	8.04	7.96
Austin .....	240.78	267.21	266.74	41.3	41.3	41.1	5.82	6.47	6.49
Beaumont—Port Arthur—Orange .....	423.49	458.02	449.49	41.6	41.6	40.9	10.18	11.01	10.99
Corpus Christi .....	333.31	360.83	366.21	42.1	42.5	41.9	7.91	8.49	8.74
Dallas—Fort Worth .....	293.15	311.95	317.46	41.7	40.2	40.7	7.03	7.76	7.80
El Paso .....	208.37	240.62	233.36	43.5	45.4	43.7	4.79	5.30	5.34
Galveston—Texas City .....	443.36	502.36	492.57	41.1	42.9	42.1	10.78	11.71	11.70
Houston .....	384.09	426.52	427.72	43.4	43.7	43.6	8.85	9.76	9.81
Longview—Marshall .....	306.41	328.45	325.61	40.8	40.6	40.1	7.51	8.09	8.12
Lubbock .....	244.55	268.18	274.56	41.1	42.1	42.9	5.95	6.37	6.40
San Angelo .....	216.65	235.56	242.78	42.9	39.0	39.8	5.05	6.04	6.10
San Antonio .....	222.48	241.19	244.61	41.2	40.4	40.7	5.40	5.97	6.01
Sherman—Denison .....	271.35	282.30	285.57	40.2	38.2	38.8	6.75	7.39	7.36
Waco .....	261.25	270.40	287.47	41.6	40.0	42.4	6.28	6.76	6.78
Wichita Falls .....	277.32	311.33	315.51	40.5	41.4	41.9	6.84	7.52	7.53
<b>UTAH</b> .....	291.00	319.20	317.60	39.7	39.9	40.0	7.33	8.00	7.94
Salt Lake City—Ogden .....	281.20	311.18	307.57	40.0	40.1	40.1	7.03	7.76	7.67
<b>VERMONT</b> .....	255.60	279.30	273.78	40.0	39.9	39.0	6.39	7.00	7.02
Burlington .....	285.55	305.44	309.67	42.3	41.5	41.4	6.76	7.36	7.48
Springfield .....	290.87	305.63	302.48	41.2	39.9	39.8	7.06	7.66	7.63

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		
	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P
<b>VIRGINIA</b> .....	\$258.55	\$278.20	\$276.59	39.9	39.8	39.4	\$6.48	\$6.99	\$7.02
Bristol .....	213.33	224.48	223.74	38.3	36.8	36.5	5.57	6.10	6.13
Lynchburg .....	262.84	271.72	265.42	40.5	39.9	40.6	6.49	6.81	7.03
Norfolk—Virginia Beach—Portsmouth .....	289.57	295.89	302.81	40.9	40.7	40.7	7.08	7.27	7.44
Northern Virginia <sup>1</sup> .....	285.42	302.51	306.51	40.2	39.7	40.7	7.10	7.62	7.58
Petersburgh—Colonial Heights—Hopewell .....	322.32	341.88	343.57	40.8	39.8	39.4	7.90	8.59	8.72
Richmond .....	342.63	362.03	358.57	40.5	41.0	40.7	8.46	8.83	8.81
Roanoke .....	248.47	270.91	266.93	40.8	40.8	39.9	6.09	6.64	6.69
<b>WASHINGTON</b> .....	385.50	423.65	416.35	38.9	39.3	38.7	9.91	10.78	10.81
Seattle—Everett .....	401.94	444.05	444.21	39.6	39.3	39.6	10.15	11.30	11.22
Spokane .....	350.35	376.10	376.94	38.5	36.8	37.1	9.10	10.22	10.16
Tacoma .....	363.21	421.29	416.42	37.1	38.9	38.1	9.79	10.83	10.93
<b>WEST VIRGINIA</b> .....	342.34	346.72	360.11	39.9	39.4	39.1	8.58	8.80	9.21
Charleston .....	389.38	431.57	426.69	41.6	42.9	41.9	9.36	10.06	10.47
Huntington—Ashland .....	393.01	395.26	413.56	40.6	38.3	39.2	9.68	10.32	10.55
Parkersburg—Marletta .....	362.02	387.03	406.29	41.9	40.4	41.5	8.64	9.58	9.79
Wheeling .....	378.46	392.78	411.13	39.3	39.2	39.8	9.63	10.02	10.33
<b>WISCONSIN</b> .....	343.75	358.22	366.24	40.7	39.9	40.3	8.44	8.98	9.09
Appleton—Oshkosh .....	336.26	355.11	357.36	41.8	41.3	41.4	8.04	8.60	8.63
Eau Claire .....	347.86	351.09	358.27	42.8	40.9	41.1	8.13	8.58	8.72
Green Bay .....	348.30	369.85	378.90	41.4	40.9	41.3	8.41	9.04	9.18
Janeville—Beloit .....	401.18	370.80	368.18	41.7	40.3	40.4	9.62	9.21	9.12
Kenosha .....	395.79	362.87	410.26	40.1	37.8	38.8	9.87	9.59	10.57
La Crosse .....	295.80	316.03	326.46	40.3	39.6	40.1	7.35	7.97	8.14
Madison .....	335.00	341.97	325.98	39.0	39.6	37.9	8.59	8.64	8.86
Milwaukee .....	377.77	355.88	404.91	40.8	39.6	40.3	9.25	9.99	10.05
Racine .....	356.16	390.09	393.44	40.2	40.1	40.2	8.90	9.73	9.83
<b>WYOMING</b> .....	292.04	318.00	316.76	39.2	40.0	39.3	7.45	7.95	8.06
<b>VIRGIN ISLAND</b> .....	314.57	362.47	392.77	41.5	40.5	42.6	7.58	8.95	9.22

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

Lackawanna County.  
<sup>8</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.  
<sup>9</sup> Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.  
 p = preliminary.  
 \* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

# ESTABLISHMENT DATA LABOR TURNOVER

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

[Per 100 employees]

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total accessions</b>													
1971.....		3.8	3.7	3.7	3.8	3.8	3.8	3.8	4.0	4.0	3.9	4.0	4.2
1972.....		4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.5	4.5	4.6	4.7	4.9
1973.....		5.0	5.2	5.1	4.9	4.8	4.7	4.6	4.6	4.8	4.8	5.0	4.7
1974.....		4.7	4.6	4.5	4.6	4.5	4.3	4.3	4.1	4.0	3.8	3.3	3.1
1975.....		3.0	3.2	3.2	3.6	3.7	3.8	4.0	4.0	3.9	3.8	3.8	3.8
1976.....		4.2	4.1	4.2	4.1	4.0	3.8	3.9	3.8	3.7	3.6	3.8	3.8
1977.....		3.9	4.5	4.1	4.0	4.0	4.0	4.0	4.0	3.9	4.0	4.0	4.3
1978.....		4.0	3.9	3.9	4.2	4.0	4.1	4.1	4.1	4.2	4.2	4.2	4.3
1979.....		4.1	4.1	4.0	4.0	4.0	4.1	3.9	3.9	3.9	3.9	3.9	3.8
1980.....		3.9	3.8	3.7	3.2	3.1	3.4	3.5	3.6	3.7	3.7	3.6	3.5
1981.....		3.5	3.5	3.4	3.4	3.1	3.4	3.4	3.2	2.9	2.9	P3.1	
<b>New hires</b>													
1971.....		2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.5	2.7	2.9
1972.....		3.0	3.1	3.2	3.2	3.3	3.2	3.2	3.3	3.4	3.6	3.7	4.0
1973.....		4.0	4.2	4.1	4.0	4.0	3.8	3.7	3.7	3.8	3.9	4.1	3.8
1974.....		3.8	3.7	3.6	3.5	3.5	3.3	3.3	3.1	3.0	2.7	2.3	1.9
1975.....		1.6	1.6	1.5	1.7	1.8	1.9	2.3	2.3	2.4	2.3	2.4	2.5
1976.....		2.6	2.7	2.9	2.8	2.7	2.7	2.7	2.6	2.5	2.4	2.5	2.5
1977.....		2.6	2.8	2.8	2.9	3.0	2.8	2.8	2.9	2.8	2.9	2.8	3.1
1978.....		2.9	2.8	2.9	3.1	3.0	3.1	3.1	3.1	3.2	3.3	3.3	3.3
1979.....		3.1	3.1	3.0	3.0	3.0	3.1	2.9	2.8	2.8	2.8	2.8	2.8
1980.....		2.7	2.6	2.5	2.1	1.8	1.9	2.0	2.0	2.1	2.1	2.1	2.1
1981.....		2.1	2.2	2.1	2.1	2.0	2.2	2.3	2.1	1.8	1.7	P1.6	
<b>Recalls</b>													
1976.....		1.1	1.0	1.1	1.0	1.0	0.9	1.0	0.9	0.8	0.9	0.9	1.0
1977.....		.9	1.3	1.0	.9	.8	.8	.8	.8	.8	.7	.8	.8
1978.....		.8	.7	.8	.8	.8	.7	.7	.7	.7	.7	.7	.7
1979.....		.7	.7	.7	.7	.8	.7	.8	.7	.8	.8	.8	.7
1980.....		.9	.9	.9	.8	1.0	1.2	1.3	1.4	1.4	1.3	1.2	1.1
1981.....		1.0	1.0	1.1	1.1	1.0	1.0	.9	.8	.9	.9	P1.2	
<b>Total separations</b>													
1971.....		4.3	4.1	4.0	4.1	4.2	4.1	4.2	4.6	4.3	4.1	4.1	4.1
1972.....		4.2	4.1	4.2	4.2	4.2	4.5	4.5	4.2	4.3	4.1	4.3	4.4
1973.....		4.6	4.7	4.8	4.6	4.6	4.7	4.9	4.6	4.5	4.7	4.8	4.8
1974.....		5.1	5.0	4.9	4.7	4.6	4.5	4.5	4.8	4.4	4.8	5.2	4.9
1975.....		5.2	5.1	4.6	4.6	4.6	4.3	4.0	3.9	3.8	3.8	3.8	3.5
1976.....		3.6	3.5	3.8	3.9	3.7	3.9	3.9	3.9	3.9	3.9	3.9	3.6
1977.....		3.9	4.1	3.8	3.7	3.8	3.7	3.9	4.0	3.9	3.8	3.8	4.0
1978.....		3.8	3.8	3.8	4.0	3.9	3.9	3.9	3.8	4.0	3.9	3.9	4.1
1979.....		4.0	3.9	3.9	4.0	4.0	4.0	4.0	4.3	3.9	4.0	4.1	4.0
1980.....		4.2	4.0	4.0	5.2	5.5	4.8	3.8	4.0	3.5	3.6	3.3	3.5
1981.....		3.6	3.6	3.4	3.2	3.4	3.4	3.2	3.6	3.7	4.0	P4.1	
<b>Quits</b>													
1971.....		1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9
1972.....		2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.5	2.6
1973.....		2.8	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.9	2.9	2.7
1974.....		2.7	2.8	2.7	2.6	2.6	2.5	2.5	2.4	2.2	2.0	1.8	1.7
1975.....		1.4	1.3	1.2	1.2	1.3	1.4	1.4	1.5	1.4	1.5	1.6	1.5
1976.....		1.6	1.6	1.8	1.8	1.7	1.7	1.8	1.7	1.7	1.6	1.5	1.6
1977.....		1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.9	1.9	1.9	1.9	2.0
1978.....		1.9	1.9	2.0	2.1	2.0	2.1	2.1	2.1	2.2	2.2	2.1	2.2
1979.....		2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9	2.0	2.0	1.8
1980.....		1.9	1.9	1.8	1.6	1.5	1.4	1.4	1.4	1.3	1.3	1.4	1.5
1981.....		1.4	1.4	1.3	1.3	1.3	1.4	1.5	1.3	1.3	1.2	P1.1	
<b>Layoffs</b>													
1971.....		1.7	1.5	1.5	1.5	1.6	1.5	1.5	2.0	1.7	1.5	1.4	1.3
1972.....		1.2	1.2	1.1	1.2	1.2	1.4	1.4	1.1	1.0	1.0	.9	.9
1973.....		.9	.8	.9	.8	.9	.9	1.2	1.0	.9	.8	1.0	1.1
1974.....		1.4	1.3	1.2	1.1	1.1	1.1	1.1	1.4	1.3	1.8	2.5	2.5
1975.....		2.9	3.0	2.7	2.6	2.5	2.2	1.7	1.6	1.7	1.5	1.5	1.3
1976.....		1.2	1.0	1.2	1.3	1.2	1.3	1.3	1.3	1.4	1.5	1.3	1.2
1977.....		1.3	1.5	1.2	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.0	1.1
1978.....		1.0	1.0	1.0	1.0	1.0	.9	.9	.9	.9	.9	.9	1.0
1979.....		.9	.9	.9	1.0	1.0	1.1	1.1	1.4	1.2	1.2	1.3	1.3
1980.....		1.4	1.3	1.4	2.7	3.2	2.6	1.6	1.8	1.5	1.5	1.3	1.2
1981.....		1.4	1.3	1.3	1.1	1.3	1.3	1.0	1.4	1.7	2.2	P2.3	

p = preliminary.

NOTE: This table will be discontinued after the March issue. See Editors' Note in this issue.

# ESTABLISHMENT DATA LABOR TURNOVER

## D-2. Labor turnover rates, by industry

(Per 100 employees)

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P
	<b>MANUFACTURING</b>	2.8	2.4	1.8	1.3	0.8	0.9	4.2	4.1	1.3	0.9	2.2	2.6
24, 25, 32-39	<b>DURABLE GOODS</b>	2.4	2.1	1.4	1.0	.7	.9	3.9	4.2	1.0	.7	2.1	2.9
20-23, 26-31	<b>NONDURABLE GOODS</b>	3.4	2.7	2.4	1.6	.9	.9	4.6	4.1	1.7	1.2	2.2	2.3
	<b>DURABLE GOODS</b>												
24	<b>LUMBER AND WOOD PRODUCTS</b>	3.1	2.9	2.0	1.3	1.0	1.4	8.0	7.7	1.7	1.3	5.4	5.6
242	Sawmills and planing mills	3.1	-	1.7	-	1.2	-	8.7	-	1.7	-	6.2	-
2421	Sawmills and planing mills, general	2.9	-	1.4	-	1.3	-	8.9	-	1.5	-	6.6	-
243	Millwork, plywood, and structural members	2.3	-	1.5	-	.7	-	8.0	-	1.3	-	5.8	-
2431	Millwork	2.2	-	1.7	-	.5	-	9.2	-	1.2	-	7.4	-
244	Wood containers	6.6	-	4.0	-	2.2	-	7.2	-	3.4	-	3.0	-
245	Wood buildings and mobile homes	5.1	-	4.2	-	.8	-	9.6	-	3.4	-	4.9	-
2451	Mobile homes	6.2	-	5.2	-	.9	-	10.3	-	3.9	-	4.8	-
249	Miscellaneous wood products	3.1	-	2.0	-	.8	-	5.7	-	1.7	-	3.1	-
25	<b>FURNITURE AND FIXTURES</b>	3.1	2.4	2.4	1.5	.5	.7	4.7	4.4	1.8	1.1	2.0	2.6
251	Household furniture	3.2	-	2.4	-	.6	-	5.0	-	2.0	-	2.1	-
2511	Wood household furniture	3.1	-	2.6	-	.3	-	5.2	-	2.2	-	2.2	-
2512	Upholstered household furniture	2.6	-	2.2	-	.3	-	3.6	-	2.0	-	.9	-
2515	Mattresses and bedsprings	2.6	-	1.9	-	.6	-	5.8	-	1.5	-	3.2	-
252	Office furniture	1.7	-	1.4	-	.2	-	1.8	-	.9	-	.4	-
254	Partitions and fixtures	2.9	-	2.3	-	.5	-	6.4	-	1.6	-	3.9	-
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	2.5	2.0	1.4	.9	.9	1.0	4.5	4.7	1.0	.7	2.6	3.4
322	Glass and glassware, pressed or blown	1.8	-	.9	-	.6	-	3.4	-	.7	-	2.0	-
3221	Glass containers	1.4	-	.9	-	.3	-	3.4	-	.7	-	1.9	-
3229	Pressed and blown glass, nec	2.2	-	.8	-	1.0	-	3.4	-	.6	-	2.1	-
323	Products of purchased glass	2.4	-	1.2	-	.9	-	4.0	-	.9	-	2.3	-
324	Cement, hydraulic	2.0	-	.3	-	1.7	-	2.6	-	.3	-	1.4	-
325	Structural clay products	2.8	-	1.6	-	1.0	-	7.0	-	1.8	-	4.4	-
326	Pottery and related products	2.5	-	1.5	-	.8	-	4.6	-	1.3	-	2.5	-
327	Concrete, gypsum, and plaster products	3.5	-	2.3	-	1.0	-	5.3	-	1.5	-	2.9	-
329	Misc. nonmetallic mineral products	1.9	-	.9	-	.9	-	4.5	-	.8	-	3.0	-
33	<b>PRIMARY METAL INDUSTRIES</b>	2.0	2.8	.7	.4	1.1	2.1	5.0	5.6	.5	.3	3.7	4.6
331	Blast furnace and basic steel products	2.1	-	.3	-	1.6	-	6.1	-	.2	-	5.0	-
3312	Blast furnaces and steel mills	2.1	-	.1	-	1.7	-	6.3	-	.2	-	5.3	-
332	Iron and steel foundries	2.2	-	1.0	-	1.0	-	4.9	-	.9	-	3.2	-
3321	Gray iron foundries	2.0	-	.9	-	.8	-	4.3	-	.9	-	2.6	-
3325	Steel foundries, nec	2.7	-	1.2	-	1.2	-	5.8	-	.8	-	3.6	-
333	Primary nonferrous metals	.7	-	.3	-	.2	-	3.8	-	.2	-	3.2	-
335	Nonferrous rolling and drawing	1.5	-	.9	-	.5	-	3.5	-	.5	-	2.2	-
3351	Copper rolling and drawing	1.1	-	.6	-	.4	-	3.7	-	.6	-	2.5	-
3353	Aluminum sheet, plate, and foil	1.4	-	.2	-	1.2	-	3.4	-	.2	-	2.9	-
3357	Nonferrous wire drawing and insulating	1.6	-	1.2	-	.2	-	3.4	-	.6	-	2.1	-
336	Nonferrous foundries	3.5	-	1.6	-	1.4	-	4.5	-	.9	-	2.8	-
3361	Aluminum foundries	4.0	-	1.5	-	1.6	-	5.0	-	.8	-	3.4	-
34	<b>FABRICATED METAL PRODUCTS</b>	2.8	2.1	1.7	1.1	.8	.8	4.4	4.8	1.1	.7	2.6	3.4
341	Metal cans and shipping containers	3.2	-	.5	-	2.2	-	8.4	-	.4	-	6.8	-
3411	Metal cans	3.5	-	.4	-	2.5	-	9.5	-	.3	-	8.0	-
342	Cutlery, hand tools, and hardware	3.3	-	1.1	-	1.4	-	4.9	-	.9	-	3.3	-
3423, 5	Hand and edge tools, and hand saws and blades	3.1	-	1.1	-	1.9	-	3.6	-	.9	-	2.1	-
3429	Hardware, nec	3.7	-	1.2	-	1.1	-	6.2	-	.9	-	4.4	-
343	Plumbing and heating, except electric	2.4	-	1.5	-	.8	-	3.5	-	1.1	-	1.7	-
344	Fabricated structural metal products	3.0	-	2.2	-	.7	-	4.6	-	1.4	-	2.4	-
3441	Fabricated structural metal	4.5	-	3.0	-	1.4	-	5.3	-	1.6	-	2.4	-
3442	Metal doors, sash, and trim	3.9	-	3.2	-	.5	-	4.9	-	2.0	-	2.2	-
3443	Fabricated plate work (boiler shops)	1.7	-	1.2	-	.3	-	3.0	-	.9	-	1.5	-
3444	Sheet metal work	3.0	-	2.2	-	.8	-	5.4	-	1.3	-	3.3	-
345	Screw machine products, bolts, etc.	2.0	-	1.5	-	.4	-	3.9	-	1.1	-	2.1	-
3451	Screw machine products	2.3	-	1.8	-	.4	-	4.2	-	1.4	-	2.2	-
3452	Bolts, nuts, rivets, and washers	1.7	-	1.2	-	.4	-	3.7	-	.8	-	2.0	-
346	Metal forgings and stampings	2.5	-	1.2	-	.7	-	4.4	-	.8	-	2.9	-
3462	Iron and steel forgings	1.5	-	.8	-	.6	-	3.7	-	.4	-	2.7	-
3465	Automotive stampings	3.4	-	.9	-	1.2	-	4.7	-	.7	-	3.6	-
3469	Metal stampings, nec	2.3	-	1.7	-	.5	-	4.6	-	1.2	-	2.6	-
347	Metal services, nec	4.3	-	2.8	-	1.4	-	5.1	-	1.8	-	2.3	-
348	Ordnance and accessories, nec	1.8	-	1.1	-	.6	-	2.0	-	.6	-	1.0	-
349	Misc. fabricated metal products	2.1	-	1.4	-	.5	-	3.5	-	1.0	-	1.8	-
3494	Valves and pipe fittings	1.6	-	1.1	-	.3	-	2.4	-	.7	-	1.0	-
3496	Misc. fabricated wire products	2.7	-	1.8	-	.8	-	5.1	-	1.5	-	2.9	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
LABOR TURNOVER**

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

(Per 100 employees)

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	2.1	1.6	1.4	1.0	0.5	0.4	2.9	2.8	0.8	0.6	1.3	1.6
351	Engines and turbines	1.9	-	.5	-	.8	-	3.0	-	.4	-	1.6	-
3511	Turbines and turbine generator sets	1.2	-	.3	-	.1	-	1.7	-	.3	-	.4	-
3519	Internal combustion engines, nec	2.2	-	.6	-	1.1	-	3.5	-	.4	-	2.1	-
352	Farm and garden machinery	2.6	-	.7	-	1.6	-	4.5	-	.6	-	2.9	-
3523	Farm machinery and equipment	1.6	-	.6	-	.8	-	4.9	-	.6	-	3.4	-
353	Construction and related machinery	1.9	-	1.4	-	.4	-	2.4	-	.7	-	1.1	-
3531	Construction machinery	1.2	-	.6	-	.5	-	2.3	-	.4	-	1.6	-
3533	Oil field machinery	3.1	-	2.9	-	(1)	-	2.1	-	1.3	-	.2	-
354	Metalworking machinery	1.7	-	1.2	-	.3	-	2.7	-	.9	-	1.2	-
3541	Machine tools, metal cutting types	.7	-	.6	-	.1	-	1.7	-	.5	-	.7	-
3544	Special dies, tools, jigs, and fixtures	2.5	-	1.7	-	.4	-	3.5	-	1.3	-	1.4	-
3545	Machine tool accessories	1.8	-	1.4	-	.2	-	2.6	-	.8	-	1.1	-
355	Special industry machinery	1.5	-	1.0	-	.3	-	2.4	-	.8	-	1.1	-
3561	Food products machinery	1.4	-	.9	-	.4	-	1.8	-	.7	-	.7	-
3562	Textile machinery	2.1	-	1.4	-	.5	-	2.7	-	1.1	-	1.0	-
356	General industrial machinery	1.6	-	1.1	-	.4	-	2.7	-	.8	-	1.4	-
3561	Pumps and pumping equipment	1.5	-	1.1	-	.3	-	2.3	-	.8	-	1.0	-
3562	Ball and roller bearings	1.3	-	.6	-	.3	-	2.5	-	.6	-	1.5	-
3564	Blowers and fans	2.3	-	1.6	-	.5	-	2.9	-	1.1	-	1.2	-
357	Office and computing machines	2.5	-	1.9	-	.1	-	1.9	-	.9	-	.3	-
3573	Electronic computing equipment	2.6	-	2.1	-	.1	-	1.7	-	.9	-	.1	-
358	Refrigeration and service machinery	2.5	-	1.0	-	1.2	-	5.3	-	.7	-	3.7	-
3585	Refrigeration and heating equipment	1.9	-	.8	-	.8	-	6.5	-	.7	-	4.7	-
359	Misc. machinery, except electrical	2.9	-	2.1	-	.6	-	3.3	-	1.3	-	1.3	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>	2.3	2.0	1.4	1.2	.4	.4	3.2	3.3	1.0	.7	1.4	1.9
361	Electric distributing equipment	2.1	-	1.3	-	.2	-	3.5	-	1.1	-	1.4	-
3612	Transformers	2.5	-	1.5	-	.3	-	3.4	-	1.3	-	.9	-
3613	Switchgear and switchboard apparatus	1.7	-	1.1	-	.2	-	3.7	-	1.0	-	1.9	-
362	Electrical industrial apparatus	1.8	-	1.2	-	.3	-	3.7	-	.7	-	2.2	-
3621	Motors and generators	2.1	-	1.3	-	.4	-	4.2	-	.7	-	2.5	-
3622	Industrial controls	1.7	-	1.1	-	.2	-	3.6	-	.7	-	2.2	-
363	Household appliances	2.9	-	.8	-	1.4	-	5.7	-	.9	-	3.4	-
3632	Household refrigerators and freezers	3.9	-	.1	-	2.4	-	8.2	-	.2	-	6.5	-
3633	Household laundry equipment	1.4	-	.5	-	.2	-	2.2	-	.2	-	1.0	-
3634	Electric housewares and fans	3.2	-	1.6	-	1.4	-	6.6	-	1.7	-	3.6	-
364	Electric lighting and wiring equipment	2.6	-	1.4	-	.9	-	3.1	-	.9	-	1.5	-
3641	Electric lamps	3.5	-	.8	-	2.2	-	2.7	-	.5	-	1.3	-
3643	Current-carrying wiring devices	2.1	-	1.5	-	.3	-	2.5	-	1.0	-	.9	-
365	Radio and TV receiving equipment	3.1	-	1.3	-	.3	-	4.4	-	.8	-	2.5	-
3651	Radio and TV receiving sets	3.1	-	1.1	-	.3	-	3.5	-	.6	-	1.6	-
366	Communication equipment	1.8	-	1.2	-	.1	-	1.6	-	.7	-	.3	-
3661	Telephone and telegraph apparatus	.8	-	.5	-	.2	-	1.1	-	.3	-	.4	-
3662	Radio and TV communication equipment	2.1	-	1.5	-	.1	-	1.8	-	.9	-	.2	-
367	Electronic components and accessories	2.4	-	1.9	-	.3	-	3.3	-	1.4	-	1.0	-
3671-3	Electronic tubes	1.8	-	1.0	-	.3	-	4.9	-	.7	-	3.4	-
3674	Semiconductors and related devices	1.4	-	1.1	-	.2	-	2.4	-	1.0	-	.5	-
3679	Electronic components, nec	3.4	-	2.8	-	.3	-	3.5	-	1.8	-	.8	-
369	Misc. electrical equipment and supplies	2.5	-	1.4	-	.8	-	3.5	-	.8	-	1.9	-
3694	Engine electrical equipment	2.6	-	1.0	-	1.4	-	4.2	-	.7	-	2.6	-
37	<b>TRANSPORTATION EQUIPMENT</b>	2.4	-	1.0	-	1.0	-	3.6	-	.7	-	2.0	-
371	Motor vehicles and equipment	2.8	-	.5	-	1.6	-	4.3	-	.6	-	2.6	-
3711	Motor vehicles and car bodies	2.1	-	.3	-	.9	-	4.6	-	.6	-	2.5	-
3713	Truck and bus bodies	2.7	-	.8	-	.7	-	3.9	-	1.3	-	2.0	-
3714	Motor vehicle parts and accessories	3.5	-	.5	-	2.4	-	3.9	-	.4	-	2.7	-
3715	Truck trailers	2.7	-	1.9	-	.7	-	6.6	-	1.3	-	4.3	-
372	Aircraft and parts	1.2	-	.9	-	.1	-	2.3	-	.6	-	1.2	-
3721	Aircraft	.8	-	.6	-	.1	-	1.9	-	.5	-	1.1	-
3724	Aircraft engines and engine parts	.9	-	.7	-	.1	-	2.7	-	.5	-	1.6	-
3728	Aircraft equipment, nec	2.5	-	2.1	-	.3	-	2.7	-	1.0	-	.9	-
373	Ship and boat building and repairing	5.0	-	2.9	-	1.9	-	5.6	-	1.4	-	3.1	-
3731	Ship building and repairing	5.2	-	2.7	-	2.3	-	5.6	-	1.2	-	3.4	-
3732	Boat building and repairing	4.2	-	3.6	-	.6	-	5.6	-	2.3	-	2.1	-
374	Railroad equipment	3.2	-	.5	-	2.0	-	4.6	-	.2	-	3.3	-
376	Guided missiles, space vehicles, parts	1.4	-	1.1	-	.1	-	1.1	-	.5	-	.2	-
3761	Guided missiles and space vehicles	1.4	-	1.1	-	.1	-	.9	-	.5	-	.1	-
379	Miscellaneous transportation equipment	3.1	-	2.6	-	.4	-	4.7	-	1.4	-	2.2	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	1.7	1.6	1.4	1.2	.1	.2	2.3	2.0	1.1	.7	.7	.8
381	Engineering and scientific instruments	2.0	-	1.7	-	.2	-	2.1	-	.9	-	.7	-
382	Measuring and controlling devices	1.5	-	1.2	-	.1	-	2.2	-	.9	-	.7	-
3822	Environmental controls	1.1	-	.9	-	.1	-	3.1	-	.9	-	1.7	-
3823	Process control instruments	1.4	-	1.1	-	.1	-	1.7	-	.8	-	.4	-
3825	Instruments to measure electricity	1.7	-	1.2	-	.1	-	1.8	-	1.1	-	.2	-

See footnotes at end of table.

# ESTABLISHMENT DATA LABOR TURNOVER

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

(Per 100 employees)

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P
	<b>INSTRUMENTS AND RELATED PRODUCTS—Con'd</b>												
383	Optical instruments and lenses .....	1.9	-	1.7	-	0.2	-	2.7	-	1.3	-	0.8	-
384	Medical instruments and supplies .....	1.9	-	1.7	-	.1	-	2.4	-	1.2	-	.7	-
3841	Surgical and medical instruments .....	2.2	-	2.0	-	(1)	-	2.7	-	1.4	-	.7	-
3842	Surgical appliances and supplies .....	1.7	-	1.4	-	.2	-	2.2	-	.9	-	.8	-
385	Ophthalmic goods .....	2.2	-	1.6	-	.3	-	4.0	-	1.8	-	1.1	-
386	Photographic equipment and supplies .....	1.4	-	1.3	-	(1)	-	1.7	-	1.3	-	.1	-
387	Watches, clocks, and watchcases .....	1.6	-	1.2	-	.3	-	6.0	-	1.2	-	4.1	-
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>	4.3	3.0	3.0	2.1	1.1	0.8	5.4	5.4	1.8	1.3	2.5	3.4
391	Jewelry, silverware, and plated ware .....	5.3	-	4.4	-	.8	-	3.6	-	1.7	-	1.2	-
393	Musical instruments .....	6.1	-	1.6	-	4.4	-	7.9	-	1.0	-	6.2	-
394	Toys and sporting goods .....	4.2	-	2.8	-	.9	-	6.6	-	2.1	-	3.1	-
3942,4	Dolls, games, toys, and children's vehicles .....	3.6	-	3.0	-	.3	-	9.4	-	2.4	-	5.2	-
3949	Sporting and athletic goods, nec .....	4.9	-	2.5	-	1.8	-	3.3	-	1.8	-	.5	-
395	Pens, pencils, office and art supplies .....	2.3	-	1.8	-	.3	-	2.9	-	1.5	-	.7	-
396	Costume jewelry and notions .....	5.1	-	4.0	-	1.0	-	6.7	-	2.2	-	3.5	-
399	Miscellaneous manufactures .....	4.0	-	2.9	-	1.0	-	4.8	-	1.7	-	2.2	-
	<b>NONDURABLE GOODS</b>												
20	<b>FOOD AND KINDRED PRODUCTS</b>	5.1	3.8	3.1	2.0	1.8	1.6	7.9	5.9	2.1	1.4	4.8	3.8
201	Meat products .....	5.5	-	3.8	-	1.3	-	6.2	-	3.2	-	1.9	-
2011	Meat packing plants .....	4.5	-	2.5	-	1.5	-	5.7	-	1.9	-	2.7	-
2013	Sausages and other prepared meats .....	4.3	-	1.8	-	2.1	-	5.2	-	1.5	-	2.7	-
2016	Poultry dressing plants .....	7.0	-	6.1	-	.5	-	7.7	-	6.1	-	.3	-
202	Dairy products .....	2.1	-	1.6	-	.4	-	3.9	-	1.4	-	1.9	-
203	Preserved fruits and vegetables .....	9.9	-	4.8	-	5.0	-	24.1	-	3.4	-	19.3	-
204	Grain mill products .....	2.7	-	2.1	-	.4	-	4.1	-	1.4	-	1.9	-
205	Bakery products .....	2.1	-	1.8	-	.3	-	2.9	-	1.2	-	1.0	-
2051	Bread, cake, and related products .....	2.1	-	1.8	-	.2	-	2.6	-	1.4	-	.7	-
2052	Cookies and crackers .....	2.2	-	1.4	-	.7	-	4.1	-	.7	-	2.7	-
206	Sugar and confectionery products .....	9.8	-	5.1	-	4.5	-	5.5	-	1.3	-	3.4	-
207	Fats and oils .....	7.2	-	5.5	-	1.6	-	2.6	-	1.3	-	.6	-
208	Beverages .....	3.0	-	1.5	-	1.3	-	5.3	-	1.2	-	3.0	-
2082	Malt beverages .....	3.5	-	.5	-	2.8	-	6.5	-	.4	-	5.6	-
2086	Bottled and canned soft drinks .....	2.6	-	2.0	-	.5	-	3.7	-	1.6	-	1.2	-
209	Misc. foods and kindred products .....	4.4	-	2.9	-	1.2	-	6.8	-	2.7	-	3.3	-
21	<b>TOBACCO MANUFACTURES</b>	2.0	-	.9	-	1.0	-	3.4	-	.5	-	2.2	-
211	Cigarettes .....	.6	-	.3	-	.3	-	.8	-	.1	-	(1)	-
22	<b>TEXTILE MILL PRODUCTS</b>	3.1	2.7	2.1	1.4	.8	1.1	4.5	3.8	1.7	1.2	1.9	2.0
221	Weaving mills, cotton .....	3.1	-	1.9	-	.9	-	3.4	-	1.4	-	1.0	-
222	Weaving mills, synthetics .....	3.3	-	1.8	-	1.3	-	4.7	-	1.3	-	2.3	-
223	Weaving and finishing mills, wool .....	3.3	-	2.3	-	1.0	-	5.4	-	1.7	-	2.9	-
224	Narrow fabric mills .....	3.2	-	2.6	-	.5	-	4.1	-	1.7	-	1.7	-
225	Knitting mills .....	3.0	-	2.4	-	.5	-	4.8	-	1.9	-	2.0	-
2251	Women's hosiery, except socks .....	3.5	-	3.0	-	.3	-	3.5	-	2.2	-	.6	-
2252	Hosiery, nec .....	3.5	-	3.2	-	.2	-	4.0	-	2.6	-	.7	-
2253	Knit outerwear mills .....	3.1	-	2.5	-	.5	-	3.3	-	1.8	-	.8	-
2254	Knit underwear mills .....	2.1	-	1.7	-	.2	-	3.1	-	2.0	-	.5	-
2257	Circular knit fabric mills .....	2.5	-	1.7	-	.7	-	11.3	-	1.8	-	7.4	-
226	Textile finishing, except wool .....	2.8	-	2.2	-	.4	-	3.9	-	1.6	-	1.3	-
227	Floor covering mills .....	2.0	-	1.5	-	.3	-	4.3	-	1.1	-	2.3	-
228	Yarn and thread mills .....	3.0	-	2.3	-	.5	-	5.1	-	2.3	-	2.0	-
229	Miscellaneous textile goods .....	4.4	-	1.7	-	2.3	-	5.6	-	1.6	-	3.0	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	5.0	3.7	3.4	2.2	1.3	1.3	5.6	5.8	2.6	1.7	2.1	3.3
231	Men's and boys' suits and coats .....	4.2	-	3.0	-	.8	-	4.2	-	1.9	-	1.4	-
232	Men's and boys' furnishings .....	4.6	-	3.5	-	.9	-	5.0	-	3.0	-	1.3	-
2321	Men's and boys' shirts and nightwear .....	4.3	-	3.2	-	.9	-	4.3	-	2.6	-	1.0	-
2327	Men's and boys' separate trousers .....	4.3	-	3.9	-	.2	-	4.2	-	3.4	-	.3	-
2328	Men's and boys' work clothing .....	4.8	-	3.4	-	1.3	-	5.7	-	3.4	-	1.6	-
233	Women's and misses' outerwear .....	5.7	-	3.3	-	2.2	-	6.2	-	2.3	-	2.9	-
234	Women's and children's undergarments .....	4.8	-	4.1	-	.5	-	5.2	-	3.6	-	.9	-
2341	Women's and children's underwear .....	4.7	-	4.1	-	.5	-	5.1	-	3.7	-	.8	-
2342	Brassieres and allied garments .....	5.3	-	4.0	-	.9	-	5.8	-	3.4	-	1.8	-
236	Children's outerwear .....	4.4	-	3.2	-	.9	-	6.4	-	2.4	-	3.2	-
238	Misc. apparel and accessories .....	4.3	-	3.0	-	1.1	-	5.7	-	2.7	-	2.1	-
239	Misc. fabricated textile products .....	4.9	-	3.6	-	1.1	-	5.8	-	2.5	-	2.0	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	1.8	1.6	1.2	.8	.4	.6	3.0	2.6	.8	.5	1.5	1.7
261,2,6	Paper and pulp mills .....	1.2	-	.6	-	.4	-	1.7	-	.4	-	.8	-
262	Paper mills, except building paper .....	1.1	-	.6	-	.3	-	1.6	-	.4	-	.8	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
LABOR TURNOVER**

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

(Per 100 employees)

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P	OCT. 1981	NOV. 1981P
	<b>PAPER AND ALLIED PRODUCTS—Continued</b>												
263	Paperboard mills	1.0	-	0.5	-	0.1	-	2.1	-	0.5	-	1.2	-
264	Misc. converted paper products	2.4	-	1.7	-	.5	-	3.9	-	1.1	-	2.0	-
265	Paperboard containers and boxes	2.1	-	1.5	-	.5	-	3.6	-	1.0	-	1.8	-
2651	Folding paperboard boxes	2.1	-	1.5	-	.6	-	3.1	-	.8	-	1.7	-
2653	Corrugated and solid fiber boxes	1.8	-	1.3	-	.3	-	2.6	-	.8	-	1.1	-
27	<b>PRINTING AND PUBLISHING</b>	3.3	2.6	2.7	2.1	0.4	0.4	3.1	2.9	1.8	1.5	0.7	0.9
271	Newspapers	3.8	-	3.5	-	.1	-	3.3	-	2.7	-	.1	-
272	Periodicals	3.3	-	3.1	-	.2	-	2.4	-	1.8	-	.2	-
273	Books	2.8	-	1.9	-	.7	-	2.8	-	1.2	-	1.0	-
274	Miscellaneous publishing	3.2	-	2.8	-	.2	-	2.3	-	1.4	-	.2	-
275	Commercial printing	3.2	-	2.3	-	.7	-	3.3	-	1.3	-	1.3	-
2751	Commercial printing, letterpress	3.9	-	2.7	-	.9	-	4.0	-	1.5	-	1.7	-
2752	Commercial printing, lithographic	2.8	-	2.2	-	.5	-	2.8	-	1.1	-	1.0	-
278	Blankbooks and bookbinding	2.9	-	2.2	-	.6	-	3.7	-	1.8	-	1.3	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	1.2	.9	.9	.7	.2	.2	1.7	1.5	.5	.4	.7	.7
281	Industrial inorganic chemicals	.9	-	.8	-	.1	-	1.1	-	.4	-	.3	-
2819	Industrial inorganic chemicals, nec	.9	-	.8	-	.1	-	1.1	-	.5	-	.3	-
282	Plastics materials and synthetics	.8	-	.6	-	.2	-	1.5	-	.3	-	.8	-
2821	Plastics materials and resins	1.0	-	.8	-	.1	-	1.7	-	.5	-	.6	-
2824	Organic fibers, noncellulosic	.4	-	.3	-	(1)	-	.7	-	.1	-	.2	-
283	Drugs	1.3	-	1.0	-	.1	-	1.5	-	.5	-	.5	-
2834	Pharmaceutical preparations	1.3	-	1.1	-	.1	-	1.6	-	.6	-	.6	-
284	Soap, cleaners, and toilet goods	1.8	-	1.4	-	.3	-	3.2	-	1.0	-	1.2	-
2841	Soap and other detergents	1.1	-	.9	-	.1	-	3.0	-	.6	-	.6	-
2844	Toilet preparations	2.1	-	1.4	-	.4	-	3.5	-	1.1	-	1.7	-
285	Paints and allied products	1.3	-	1.1	-	.1	-	2.3	-	.7	-	1.1	-
286	Industrial organic chemicals	.7	-	.6	-	.1	-	1.2	-	.4	-	.2	-
287	Agricultural chemicals	1.6	-	.9	-	.6	-	2.4	-	.8	-	1.3	-
289	Miscellaneous chemical products	1.5	-	1.1	-	.3	-	1.7	-	.6	-	.6	-
29	<b>PETROLEUM AND COAL PRODUCTS</b>	1.6	1.0	1.4	.8	.1	.1	2.7	1.6	.5	.4	1.1	.8
291	Petroleum refining	1.4	-	1.3	-	(1)	-	2.2	-	.4	-	.7	-
295	Paving and roofing materials	2.7	-	1.9	-	.6	-	5.8	-	1.4	-	3.5	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	2.8	2.3	1.9	1.3	.6	.8	4.4	4.9	1.4	.9	2.1	3.1
301	Tires and inner tubes	1.0	-	.4	-	.2	-	1.4	-	.3	-	.6	-
302	Rubber and plastics footwear	5.2	-	3.2	-	1.6	-	6.2	-	2.1	-	2.8	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting	1.5	-	1.1	-	.2	-	4.2	-	.9	-	2.6	-
306	Fabricated rubber products, nec	2.5	-	1.6	-	.6	-	4.5	-	1.0	-	2.8	-
307	Miscellaneous plastics products	3.3	-	2.4	-	.7	-	5.0	-	1.8	-	2.3	-
31	<b>LEATHER AND LEATHER PRODUCTS</b>	4.7	3.4	3.3	2.1	1.1	1.1	6.0	5.4	2.7	1.8	2.4	2.8
311	Leather tanning and finishing	3.3	-	1.7	-	1.6	-	6.4	-	1.2	-	4.0	-
314	Footwear, except rubber	4.6	-	3.1	-	1.2	-	6.1	-	2.8	-	2.4	-
3143	Men's footwear, except athletic	3.6	-	2.9	-	.3	-	4.1	-	2.5	-	.6	-
3144	Women's footwear, except athletic	5.4	-	2.8	-	2.4	-	7.9	-	2.6	-	4.3	-
	<b>NONMANUFACTURING:</b>												
-	<b>MINING</b>	4.7	4.4	3.8	3.3	.6	.7	4.6	4.5	2.9	2.6	.7	1.0
10	<b>METAL MINING</b>	1.4	1.5	.5	.7	.6	.7	5.1	4.4	.7	.6	3.9	3.3
101	Iron ores	2.8	-	.1	-	1.9	-	16.9	-	.1	-	16.1	-
102	Copper ores	.8	-	.5	-	.1	-	1.2	-	.4	-	.4	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b>	1.4	1.3	1.1	.9	.2	.3	1.3	1.5	.6	.5	.4	.8
13	<b>OIL AND GAS EXTRACTION</b>	6.9	6.4	5.7	5.0	.8	.8	6.0	5.4	4.3	4.0	.2	.2
131, 2	Crude petroleum, natural gas, and natural gas liquids	2.1	-	1.6	-	.3	-	2.0	-	1.1	-	.2	-
138	Oil and gas field services	10.0	-	8.3	-	1.1	-	8.6	-	6.3	-	.2	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b>	2.2	2.1	1.3	1.1	.7	.8	3.6	6.1	1.3	.8	1.6	4.4
142	Crushed and broken stone	2.8	-	1.3	-	1.5	-	4.4	-	1.2	-	2.2	-
144	Sand and gravel	2.2	-	1.2	-	.7	-	4.5	-	1.7	-	2.1	-
-	<b>COMMUNICATION:</b>												
481	Telephone communication	.6	-	.5	-	(1)	-	.8	-	.3	-	.1	-

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

p = preliminary.

NOTE: This table will be discontinued after the March issue. See Editors' Note in this issue.

# ESTABLISHMENT DATA SEASONALLY ADJUSTED LABOR TURNOVER

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

[Per 100 employees]

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

p=preliminary.

NOTE: This table will be discontinued after the March issue. See Editors' Note in this issue.



**ESTABLISHMENT DATA  
STATE AND AREA LABOR TURNOVER**

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

[ Per 100 employees ]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Sept. 1981	Oct. 1981 <sup>P</sup>	Sept. 1981	Oct. 1981 <sup>P</sup>	Sept. 1981	Oct. 1981 <sup>P</sup>	Sept. 1981	Oct. 1981 <sup>P</sup>	Sept. 1981	Oct. 1981 <sup>P</sup>	Sept. 1981	Oct. 1981 <sup>P</sup>
<b>ALABAMA:</b>												
Birmingham .....	1.9	1.8	1.4	1.3	0.3	0.4	2.9	2.6	0.8	0.7	1.3	1.3
Mobile .....	6.0	2.6	.9	.6	5.0	2.0	9.3	7.2	2.5	.8	6.3	6.0
<b>ALASKA</b> .....	22.0	2.7	13.4	1.2	8.2	1.5	34.0	29.3	6.4	3.3	27.0	25.5
<b>ARIZONA</b> .....	3.0	2.8	2.5	2.2	.5	.4	3.6	3.0	1.8	1.4	1.0	.7
Phoenix .....	3.2	2.9	2.6	2.3	.5	.4	3.6	3.2	1.9	1.5	.7	.6
<b>ARKANSAS</b> .....	4.8	4.0	3.8	3.0	.6	.7	5.3	5.4	3.0	2.6	1.4	1.9
Fort Smith .....	4.1	3.0	3.0	1.1	.4	.7	7.1	8.0	2.6	2.5	3.4	4.7
Little Rock—North Little Rock .....	3.5	2.4	2.7	2.0	.7	.3	3.4	4.2	1.7	1.4	1.0	2.2
Pine Bluff .....	3.4	2.7	2.5	2.2	.8	.4	2.6	2.1	1.3	1.1	.6	.1
<b>CALIFORNIA</b> .....	4.0	3.4	2.7	2.4	1.1	.8	4.6	5.0	1.8	1.4	1.9	2.7
<b>COLORADO</b> .....	3.1	2.3	2.7	2.1	.3	.1	3.7	2.7	2.4	1.6	.7	.5
Denver—Boulder .....	3.0	2.3	2.7	2.1	.2	.1	3.1	2.6	2.2	1.6	.4	.4
<b>CONNECTICUT</b> .....	2.2	1.8	1.8	1.3	.3	.4	2.6	2.5	1.3	.9	.5	.9
Hartford .....	1.4	1.3	1.1	.9	.2	.2	2.0	3.3	1.2	.9	.3	1.9
<b>DELAWARE</b> .....	2.8	1.9	1.9	1.1	.5	.4	3.3	2.7	1.1	.8	.9	1.1
Wilmington .....	2.0	1.4	1.1	.7	.5	.3	2.9	1.9	.8	.4	1.1	.7
<b>FLORIDA</b> .....	4.5	4.1	3.8	3.2	.6	.8	4.6	4.4	2.8	2.5	.9	.9
Fort Lauderdale—Hollywood .....	4.1	4.4	4.0	3.9	.1	.4	3.9	4.2	2.6	2.5	.5	.9
Jacksonville .....	4.4	2.4	2.3	2.0	2.0	.3	3.6	4.0	2.0	1.2	.7	.8
Miami .....	3.9	3.3	3.3	2.7	.5	.5	4.5	3.8	2.5	2.1	1.3	.9
Orlando .....	3.7	3.4	3.2	2.7	.5	.6	3.7	3.4	2.4	1.6	.5	.6
Pensacola .....	1.9	1.0	1.8	.9	.1	.1	1.8	1.0	1.2	.6	.1	.1
Tampa—St. Petersburg .....	5.4	4.5	4.9	3.9	.4	.5	5.1	4.9	3.5	3.4	.7	.6
West Palm Beach—Boca Raton .....	3.8	2.7	3.5	2.1	.2	.6	3.7	2.5	2.4	2.0	.5	(1)
<b>GEORGIA</b> .....	3.5	2.6	2.8	2.0	.5	.4	4.0	3.4	2.5	1.7	.6	.9
Atlanta <sup>2</sup> .....	2.7	2.6	2.1	1.9	.4	.6	2.9	2.7	1.6	1.2	.6	.8
<b>HAWAII</b> <sup>3</sup> .....	2.0	1.8	1.6	1.3	.3	.2	1.7	1.7	1.1	.7	.2	.5
<b>IDAHO</b> <sup>4</sup> .....	4.4	2.1	1.7	.9	1.8	.6	7.4	8.5	1.9	.9	4.9	6.8
<b>ILLINOIS:</b>												
Chicago SMSA .....	3.3	2.3	2.5	1.7	.6	.4	3.0	3.0	1.2	.9	.8	1.2
Davenport—Rock Island—Moline .....	1.9	1.6	1.1	.5	.4	.8	2.5	3.8	.4	.3	1.2	2.7
Decatur .....	1.1	2.0	.3	.2	.5	1.4	2.7	4.0	.2	.1	2.0	3.4
Peoria .....	1.7	6.4	.5	.3	.9	6.1	1.7	12.3	.2	.1	.9	9.5
Rockford .....	1.7	1.5	1.0	.7	.6	.7	2.9	3.3	.7	.7	1.5	1.9
<b>INDIANA</b> <sup>5</sup> .....	2.1	1.7	1.0	.7	.7	.6	3.7	4.5	.8	.6	2.1	3.2
Indianapolis <sup>6</sup> .....	2.2	2.0	1.1	.9	.7	.6	3.7	4.1	.8	.6	2.1	2.6
<b>IOWA</b> .....	2.2	2.2	1.2	.8	.7	1.2	3.9	5.0	1.0	.7	2.3	3.8
Cedar Rapids .....	2.1	1.3	.6	.5	1.0	.8	3.0	2.0	.9	.4	1.5	1.3
Des Moines .....	1.6	2.0	.5	.9	.2	.1	3.4	2.5	.9	.5	1.2	.7
<b>KANSAS</b> .....	3.3	3.2	2.7	2.2	.4	.9	4.0	4.0	2.2	1.7	1.1	1.2
Topeka .....	1.7	6.9	1.2	1.1	.5	5.7	3.6	6.6	1.1	.8	1.7	5.2
Wichita .....	2.4	2.3	1.9	1.6	.4	.5	3.0	2.5	1.6	1.2	.6	.6
<b>KENTUCKY</b> .....	4.7	2.4	1.5	.9	2.7	1.1	3.4	4.0	1.1	.7	1.3	2.5
Lexington—Fayette .....	2.4	1.9	1.7	1.1	.5	.7	2.7	3.4	.9	.5	.9	2.4
Louisville .....	8.0	2.3	.5	.4	6.8	1.0	2.8	2.3	.6	.4	.8	.8
<b>LOUISIANA:</b>												
New Orleans .....	4.0	3.9	3.2	3.3	.7	.5	4.8	4.2	1.6	1.7	1.6	1.3
<b>MAINE</b> .....	3.9	3.4	2.7	2.5	.9	.7	6.7	4.7	2.7	1.7	3.1	2.2
Portland .....	2.6	2.6	2.3	2.0	.1	.3	3.7	2.6	2.5	1.4	.3	.5
<b>MARYLAND</b> .....	3.6	2.2	1.8	1.3	1.6	.7	4.1	4.1	1.2	.9	2.0	2.1
Baltimore .....	3.2	2.2	1.5	1.2	1.5	.8	3.6	3.8	1.0	.7	1.7	2.0
<b>MASSACHUSETTS</b> .....	3.0	2.6	2.4	1.7	.4	.8	4.0	3.0	2.1	1.4	1.1	.9
Boston .....	2.7	3.6	2.3	1.6	.3	1.4	3.4	2.9	1.9	1.1	.9	1.2

See footnotes at end of table.

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

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

[ Per 100 employees ]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Sept. 1981	Oct. 1981 <sup>P</sup>	Sept. 1981	Oct. 1981 <sup>P</sup>	Sept. 1981	Oct. 1981 <sup>P</sup>	Sept. 1981	Oct. 1981 <sup>P</sup>	Sept. 1981	Oct. 1981 <sup>P</sup>	Sept. 1981	Oct. 1981 <sup>P</sup>
<b>MICHIGAN</b> .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Detroit .....	2.0	1.2	.5	.2	1.1	.7	2.8	3.7	.6	.5	1.6	2.6
Flint .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Grand Rapids .....	2.2	1.8	1.0	.6	.7	.8	3.2	3.5	1.4	.7	1.2	2.2
Lansing—East Lansing .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
<b>MINNESOTA</b> .....	3.2	(*)	2.4	(*)	.7	(*)	4.2	(*)	2/2	(*)	1.4	(*)
Minneapolis—St. Paul .....	2.6	(*)	2.0	(*)	.5	(*)	3.0	(*)	1.7	(*)	.9	(*)
<b>MISSISSIPPI:</b>												
Jackson .....	5.1	3.0	3.2	2.4	1.8	.6	4.6	5.7	2.3	1.7	1.5	3.6
<b>MISSOURI</b> .....	2.6	2.1	1.9	1.5	.5	.5	3.3	3.2	1.3	1.1	1.4	1.5
Kansas City .....	2.3	2.1	1.8	1.6	.5	.4	2.9	3.1	1.3	1.1	1.0	1.0
St. Louis .....	1.9	1.4	1.3	.9	.5	.4	3.0	2.6	.8	.6	1.6	1.4
<b>MONTANA</b> .....	1.8	5.5	1.4	4.1	.3	1.1	5.5	4.8	3.5	1.3	1.7	2.9
<b>NEBRASKA</b> .....	3.3	2.5	2.6	1.9	.5	.4	3.2	3.7	1.8	1.5	.8	1.5
<b>NEVADA</b> .....	4.3	3.1	4.0	2.6	.3	.5	5.0	2.7	3.4	1.9	.5	.1
<b>NEW HAMPSHIRE</b> .....	3.7	3.3	3.2	2.6	.3	.5	4.4	3.7	2.7	2.1	1.0	.9
<b>NEW JERSEY:</b>												
Camden <sup>7</sup> .....	3.1	2.5	1.8	1.6	.9	.6	2.6	4.1	1.1	.7	.8	2.8
Hackensack .....	3.9	3.0	2.6	2.3	.9	.6	4.0	4.3	2.0	1.4	1.0	2.0
Jersey City .....	3.0	2.9	1.8	1.7	1.2	1.1	3.3	5.9	1.5	.9	.9	3.3
New Brunswick—Perth Amboy—Sayreville .....	3.3	3.0	2.4	2.2	.5	.5	3.2	4.3	1.5	1.1	.9	2.4
Newark .....	4.4	2.2	1.9	1.8	2.2	.2	2.8	2.8	1.3	1.0	.8	1.1
Paterson—Clifton—Passaic .....	3.7	2.6	2.1	1.7	1.5	.7	3.3	5.1	1.2	1.1	1.2	2.1
Trenton .....	4.5	2.7	2.7	1.4	1.7	1.3	4.6	3.7	1.3	.9	2.7	2.2
<b>NEW MEXICO</b> .....	3.9	3.6	3.4	3.0	.3	.6	3.8	4.9	2.5	1.9	.4	2.0
<b>NEW YORK</b> .....	4.0	3.2	2.4	1.9	1.4	1.1	4.1	3.8	1.7	1.2	1.5	1.9
Albany—Schenectady—Troy .....	2.6	2.1	1.3	1.2	.7	.4	3.0	3.3	1.0	.7	.9	1.5
Binghamton .....	2.5	2.2	2.0	1.8	.3	.2	4.6	1.5	1.5	.8	.3	.2
Buffalo .....	4.1	3.3	1.1	.7	2.8	2.4	3.7	3.5	.8	.5	2.2	2.3
Elmira .....	2.0	2.1	1.1	.8	.6	1.0	2.6	2.8	.6	.7	.9	1.1
Monroe County <sup>8</sup> .....	2.4	1.7	1.6	1.3	.6	.3	3.2	2.4	2.4	1.1	.4	.9
Nassau—Suffolk <sup>9</sup> .....	4.5	4.0	3.4	3.1	.8	.7	4.1	3.9	2.6	2.1	.6	.9
New York and Nassau—Suffolk .....	4.7	3.8	3.0	2.6	1.5	1.1	4.4	4.1	1.8	1.4	1.7	1.8
New York SMSA <sup>9</sup> .....	4.7	3.8	2.9	2.4	1.6	1.2	4.5	4.1	1.6	1.2	1.9	2.0
New York City <sup>10</sup> .....	5.0	4.1	3.0	2.6	1.8	1.4	4.7	4.4	1.6	1.3	2.1	2.2
Rochester .....	3.2	2.3	2.0	1.7	1.0	.5	3.7	3.1	2.5	1.2	.7	1.4
Syracuse .....	2.4	2.2	1.6	1.3	.5	.7	4.5	4.1	1.5	1.3	2.3	2.2
Utica—Rome .....	2.8	2.3	1.6	1.4	1.0	.7	2.8	3.1	1.2	.8	1.0	1.6
Westchester County <sup>10</sup> .....	3.1	2.1	2.4	1.7	.5	.3	3.3	2.6	1.7	.9	1.0	1.1
<b>NORTH CAROLINA</b> .....	3.4	2.7	2.9	2.2	.3	.3	3.9	3.3	2.3	1.7	.7	.8
Charlotte—Gastonia .....	3.6	3.2	3.2	2.7	.3	.3	4.5	4.1	2.8	2.3	.7	1.0
Greensboro—Winston-Salem—High Point .....	3.5	2.6	3.0	2.1	.2	.3	3.3	2.7	2.2	1.7	.3	.3
<b>NORTH DAKOTA</b> .....	8.3	8.9	5.4	6.2	2.7	1.4	5.4	4.6	3.3	2.3	1.5	1.5
Fargo—Moorhead .....	6.2	11.0	5.0	3.9	.3	6.9	5.3	3.4	2.9	1.3	1.6	1.1
<b>OHIO</b> .....	2.3	1.9	.9	.7	(*)	(*)	3.2	3.3	.8	.5	1.7	2.2
Akron .....	1.2	1.3	.7	.5	(*)	(*)	2.0	2.6	.6	.6	.9	1.6
Canton .....	2.3	2.7	.9	.8	(*)	(*)	3.6	3.9	.8	.5	1.5	2.4
Cincinnati .....	1.9	2.1	1.1	1.0	(*)	(*)	2.3	2.8	.9	.7	.7	1.6
Cleveland .....	2.4	1.8	1.1	.9	(*)	(*)	2.9	2.9	.9	.6	1.3	1.6
Columbus .....	2.4	2.0	1.4	1.3	(*)	(*)	2.7	3.3	1.1	1.0	1.1	1.9
Dayton .....	1.7	1.5	1.0	.9	(*)	(*)	2.5	2.4	.9	.6	.9	1.1
Toledo .....	2.0	1.9	.7	.5	(*)	(*)	3.0	2.8	1.0	.4	1.3	1.9
Youngstown—Warren .....	5.1	1.5	.5	.4	(*)	(*)	2.5	3.0	.7	.4	.8	1.7
<b>OKLAHOMA</b> .....	5.7	5.5	5.1	4.8	.4	.4	5.5	5.9	4.0	3.9	.6	.9
Oklahoma City .....	4.7	4.5	4.3	4.1	.3	.3	4.8	5.0	3.6	3.5	.4	.6
Tulsa <sup>11</sup> .....	6.0	5.8	5.5	5.4	.3	.3	5.1	4.9	3.3	3.0	.4	.7
<b>OREGON</b> <sup>5</sup> .....	3.8	3.5	2.1	1.8	1.6	1.5	5.8	6.1	1.7	1.2	3.5	4.3
Eugene—Springfield <sup>5</sup> .....	1.6	2.2	1.0	1.1	.3	1.1	6.4	9.4	1.1	.8	4.5	8.1
Portland <sup>5</sup> .....	4.0	2.8	2.5	2.0	1.4	.7	4.7	4.3	1.6	1.2	2.3	2.4

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA LABOR TURNOVER**

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

[ Per 100 employees ]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Sept. 1981	Oct. 1981 <sup>P</sup>	Sept. 1981	Oct. 1981 <sup>P</sup>	Sept. 1981	Oct. 1981 <sup>P</sup>	Sept. 1981	Oct. 1981 <sup>P</sup>	Sept. 1981	Oct. 1981 <sup>P</sup>	Sept. 1981	Oct. 1981 <sup>P</sup>
<b>PENNSYLVANIA</b> .....	2.9	2.5	1.5	1.2	1.2	1.0	3.7	4.5	1.1	0.8	1.8	2.9
Allentown—Bethlehem—Easton .....	2.4	2.5	1.6	1.3	.5	.4	3.0	5.2	1.2	.8	1.2	3.1
Allentown .....	2.3	1.0	.8	.6	1.4	.3	2.2	2.8	.7	.4	1.1	2.2
Erie .....	2.8	2.7	1.8	1.8	.7	.8	3.4	3.6	1.1	1.0	1.5	1.9
Harrisburg .....	1.6	1.6	1.1	.9	.3	.6	3.0	3.2	1.4	.7	1.0	1.6
Johnstown .....	4.3	3.2	1.1	.7	2.7	2.4	8.5	5.6	.8	1.5	6.0	2.3
Lancaster .....	2.5	1.7	2.1	1.4	.2	.1	3.0	2.1	1.7	.9	.4	.8
Northeast Pennsylvania .....	3.3	3.3	1.9	1.6	1.2	1.6	3.6	4.0	1.4	1.0	1.7	2.6
Philadelphia SMSA .....	2.9	2.3	1.7	1.5	.9	.7	3.0	4.0	1.2	.8	1.1	2.4
Pittsburgh .....	2.7	2.1	.7	.5	1.6	1.2	4.2	5.4	.6	.3	2.7	4.3
Reading .....	3.4	2.6	2.0	1.4	1.2	1.1	3.7	2.8	1.3	1.0	1.8	.9
Scranton <sup>12</sup> .....	3.0	4.3	2.4	1.9	.4	2.4	3.7	4.6	1.8	1.3	1.6	2.9
Wilkes-Barre—Hazleton <sup>2</sup> .....	3.7	2.5	1.5	1.3	1.9	1.0	4.0	4.0	1.4	.8	2.0	2.6
Williamsport .....	2.0	5.1	.9	.7	.9	4.3	3.2	3.3	.6	.5	2.1	2.4
York .....	4.4	2.2	2.6	1.6	1.7	.5	3.2	3.7	1.5	1.1	1.2	2.0
<b>RHODE ISLAND</b> .....	4.6	3.2	3.6	2.5	.8	.5	2.4	4.2	2.4	1.6	1.3	1.8
Providence—Warwick—Pawtucket .....	4.8	3.3	3.8	2.5	.8	.6	4.7	4.1	2.4	1.6	1.3	1.8
<b>SOUTH CAROLINA</b> .....	3.4	3.4	2.4	1.9	.6	1.3	3.7	4.7	1.8	1.4	1.0	2.6
Charleston—North Charleston .....	2.7	1.5	1.8	1.1	.8	.2	3.7	5.0	2.0	.9	.7	2.9
Columbia .....	2.4	2.3	2.0	1.8	.2	.2	2.8	4.1	1.2	1.5	.6	1.9
Greenville—Spartanburg .....	3.3	3.3	2.9	2.4	.2	.7	3.8	3.6	2.0	1.7	.9	1.1
<b>SOUTH DAKOTA</b> .....	2.4	2.9	1.3	1.8	.9	.8	2.7	2.4	1.5	1.0	.7	.9
Sioux Falls .....	1.4	2.2	.7	1.0	.7	1.2	1.9	1.6	.8	.4	.8	.6
<b>TENNESSEE:</b>												
Memphis .....	2.2	1.7	1.7	1.1	.3	.5	3.2	2.2	1.4	.5	1.0	1.2
<b>TEXAS:</b>												
Dallas—Fort Worth .....	4.2	3.9	3.9	3.5	.2	.2	4.6	4.1	3.3	2.5	.5	.7
Houston .....	4.2	3.8	4.0	3.6	.1	.2	3.6	3.8	2.5	2.6	.2	.2
San Antonio .....	5.0	4.2	4.5	3.8	.4	.2	5.1	5.1	3.8	3.3	.2	.4
<b>UTAH</b> <sup>4</sup> .....	3.9	3.9	3.6	3.1	.2	.7	5.3	5.9	3.1	2.3	1.5	2.8
Salt Lake City—Ogden <sup>4</sup> .....	3.7	3.3	3.3	3.0	.2	.2	4.3	4.0	2.7	2.2	.8	.8
<b>VERMONT</b> .....	3.0	2.3	2.5	1.4	.3	.5	3.7	3.2	1.7	1.3	1.5	1.4
Burlington .....	2.0	2.0	1.9	1.7	.1	.2	3.4	2.1	.7	.7	2.3	1.0
Springfield .....	1.3	1.1	1.1	.6	.1	.5	2.2	2.4	1.1	.9	.5	.8
<b>VIRGINIA</b> .....	2.6	1.9	1.6	1.3	.7	.5	2.6	2.5	1.2	.9	.6	.9
Richmond .....	1.9	.7	1.2	.6	.1	.1	2.6	1.4	.8	.5	.2	.5
<b>WASHINGTON:</b> <sup>13</sup>												
Seattle—Everett .....	2.5	1.8	1.4	1.2	1.0	.5	2.8	3.0	1.1	.8	.9	1.6
<b>WEST VIRGINIA</b> .....	5.3	2.0	1.6	.9	3.6	1.0	3.3	4.0	1.1	.8	1.7	2.7
<b>WISCONSIN</b> .....	2.6	2.0	1.4	.9	.9	.7	3.4	5.1	1.1	.6	1.5	3.7
Milwaukee .....	2.5	1.9	.9	.8	1.0	.7	2.8	3.7	.7	.5	1.3	2.4
<b>WYOMING</b> .....	9.7	9.4	7.8	7.0	1.9	2.4	7.0	7.9	4.8	5.1	.6	1.7

<sup>1</sup> Less than 0.05.  
<sup>2</sup> Excludes agricultural chemicals, and miscellaneous manufacturing.  
<sup>3</sup> Excludes canned fruits, vegetables, preserves, jams, and jellies.  
<sup>4</sup> Excludes canning and preserving, and sugar.  
<sup>5</sup> Excludes canning and preserving.  
<sup>6</sup> Excludes canning and preserving, and newspapers.  
<sup>7</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.  
<sup>8</sup> Subarea of Rochester Standard Metropolitan Statistical Area.  
<sup>9</sup> Area included in New York and Nassau-Suffolk combined SMSA's.

<sup>10</sup> Subarea of New York Standard Metropolitan Statistical Area.  
<sup>11</sup> Excludes new-hire rate for transportation equipment.  
<sup>12</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.  
<sup>13</sup> Excludes canning and preserving, printing and publishing.  
 p = preliminary.  
 \* Not available.

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

NOTE: This table will be discontinued after the February issue. See Editors' Note in this issue.

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P
<b>ALABAMA</b>	1,648.6	1,642.9	1,637.5	144.2	178.2	186.4	8.7	10.8	11.4
Birmingham	381.3	374.4	374.2	37.9	40.0	40.2	9.9	10.7	10.7
Huntsville	137.8	138.8	138.7	11.7	13.6	14.2	8.5	9.8	10.3
Mobile	184.0	182.9	182.7	13.2	18.8	19.5	7.2	10.3	10.7
Montgomery	119.5	118.7	117.5	8.9	11.5	11.2	7.5	9.7	9.6
Tuscaloosa	52.6	51.8	52.3	3.8	4.9	5.5	7.3	9.4	10.6
<b>ALASKA</b>	185.1	198.2	196.9	17.0	17.7	18.4	9.2	8.9	9.4
<b>ARIZONA</b>	1,145.1	1,187.5	1,198.0	74.7	73.6	77.1	6.5	6.2	6.4
Phoenix	696.4	724.8	732.8	39.7	37.0	38.9	5.7	5.1	5.3
Tucson	209.9	218.4	220.4	12.0	11.7	12.8	5.7	5.4	5.8
<b>ARKANSAS</b>	973.5	1,037.7	1,016.3	74.1	86.6	94.6	7.6	8.3	9.3
Fayetteville-Springdale	77.1	81.1	80.6	3.9	3.9	4.3	5.0	4.8	5.4
Fort Smith	82.3	86.8	86.3	7.1	8.2	9.5	8.6	9.5	11.0
Little Rock—North Little Rock	187.2	196.3	194.2	11.0	14.3	15.3	5.9	7.3	7.9
Pine Bluff	39.7	41.6	40.8	2.8	3.9	3.9	7.0	9.4	9.6
<b>CALIFORNIA</b> <sup>2</sup>	11,325.0	11,484.8	11,506.0	785.0	877.9	897.9	6.9	7.6	7.8
Anaheim—Santa Ana—Garden Grove	1,123.6	1,125.8	1,161.8	44.5	58.2	59.9	4.0	5.1	5.2
Bakersfield	183.0	192.1	191.7	15.1	18.7	19.6	8.3	9.7	10.2
Fresno	252.4	268.9	265.9	23.6	29.8	32.6	9.4	11.1	12.2
Los Angeles—Long Beach	3,609.0	3,540.0	3,546.0	291.0	266.0	241.0	8.1	7.5	6.8
Modesto	125.8	133.0	130.9	15.3	16.8	19.5	12.2	12.6	14.9
Oxnard—Simi Valley—Ventura	234.9	244.4	243.9	16.6	21.8	22.0	7.1	8.9	9.0
Riverside—San Bernardino—Ontario	585.6	600.8	607.4	42.1	54.9	56.6	7.2	9.1	9.3
Sacramento	476.0	488.2	491.0	34.8	42.9	46.1	7.3	8.8	9.4
Salinas—Seaside—Monterey	130.3	134.9	135.3	11.9	10.8	14.1	9.2	8.0	10.5
San Diego	772.8	785.7	789.0	46.5	59.1	58.9	6.0	7.5	7.5
San Francisco—Oakland	1,641.8	1,676.6	1,685.2	82.9	98.3	102.8	5.0	5.9	6.1
San Jose	762.4	780.6	785.4	36.4	48.2	51.4	4.8	6.2	6.5
Santa Barbara—Santa Maria—Lompoc	148.3	151.4	151.7	7.4	9.3	9.3	5.0	6.1	6.2
Santa Rosa	133.3	138.4	138.4	8.7	10.7	12.4	6.5	7.7	9.0
Stockton	158.6	169.7	163.9	16.9	20.3	23.1	10.7	11.9	14.1
Vallejo—Fairfield—Napa	128.7	136.3	135.9	8.8	11.1	12.3	6.9	8.1	9.1
<b>COLORADO</b>	1,486.5	1,528.4	1,523.6	85.6	78.4	80.1	5.8	5.1	5.3
Denver—Boulder	884.3	904.4	908.5	47.4	42.3	43.1	5.4	4.7	4.7
<b>CONNECTICUT</b>	1,614.8	1,597.8	1,607.0	88.2	97.9	101.9	5.5	6.1	6.3
Bridgeport	200.7	196.2	196.8	11.3	12.3	12.2	5.6	6.3	6.2
Hartford	391.4	386.6	389.2	18.9	22.4	23.4	4.8	5.8	6.0
New Britain	77.7	78.2	78.7	4.0	5.3	5.7	5.1	6.8	7.2
New Haven—West Haven	208.3	202.7	203.4	13.1	13.1	13.4	6.3	6.5	6.6
Stamford	118.7	120.9	121.6	4.3	4.7	4.7	3.6	3.9	3.9
Waterbury	108.9	107.0	108.2	7.5	7.4	8.2	6.9	6.9	7.6
<b>DELAWARE</b>	280.3	280.9	282.5	19.3	20.1	25.7	6.9	7.1	9.1
Wilmington	250.8	249.7	252.2	16.6	17.4	23.4	6.6	7.0	9.3
<b>DISTRICT OF COLUMBIA</b>	316.5	292.4	293.0	22.4	25.0	24.6	7.1	8.6	8.4
Washington SMSA	1,637.7	1,637.5	1,641.2	69.0	83.3	85.1	4.2	5.1	5.2
<b>FLORIDA</b> <sup>2</sup>	3,989.0	4,192.1	4,164.5	223.0	327.6	314.3	5.6	7.8	7.5
Bradenton	57.6	59.9	60.9	2.7	4.1	4.0	4.6	6.8	6.6
Daytona Beach	94.2	99.9	99.7	5.2	7.3	7.4	5.6	7.3	7.5
Fort Lauderdale—Hollywood	428.7	441.5	436.5	17.5	27.6	26.1	4.1	6.3	6.0
Fort Myers—Cape Coral	78.7	83.3	84.0	4.0	5.6	5.5	5.1	6.8	6.6
Gainesville	68.4	75.9	75.0	2.8	4.2	3.7	4.1	5.6	4.9
Jacksonville	303.6	326.1	322.6	16.0	25.7	24.2	5.3	7.9	7.5
Lakeland—Winter Haven	129.5	134.2	133.2	11.9	20.6	18.8	9.2	15.3	14.1
Melbourne—Titusville—Cocoa	107.6	114.0	112.8	6.5	10.1	9.6	6.1	8.9	8.5
Miami	737.3	758.6	747.1	42.8	57.1	52.3	5.8	7.5	7.0
Orlando	321.0	341.8	337.5	17.8	27.0	25.6	5.5	7.9	7.6
Panama City	37.0	40.0	39.4	3.4	4.7	4.9	9.1	11.7	12.4
Pensacola	109.2	116.7	115.3	5.6	8.3	8.5	5.1	7.1	7.4
Sarasota	69.2	74.0	74.4	2.8	4.5	4.9	4.1	6.1	6.5
Tallahassee	77.9	81.6	80.9	2.7	3.9	4.2	3.5	4.8	5.1
Tampa—St. Petersburg	612.8	652.1	650.9	31.4	45.4	46.1	5.1	7.0	7.1
West Palm Beach—Boca Raton	241.3	247.8	251.9	13.4	19.9	17.8	5.5	8.0	7.1

See footnotes at end of table.

## STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P
<b>GEORGIA</b>	2,396.0	2,481.6	2,461.3	148.0	160.3	164.7	6.2	6.5	6.7
Albany	49.4	51.6	51.6	4.0	3.9	4.0	8.0	7.6	7.7
Atlanta	975.8	1,006.8	1,007.1	52.2	55.3	55.8	5.4	5.5	5.5
Augusta	124.2	128.2	126.7	8.7	9.7	8.6	7.0	7.6	6.8
Columbus <sup>1</sup>	82.3	83.9	84.2	6.2	7.5	7.8	7.5	9.0	9.3
Macon	98.4	100.8	101.0	6.0	6.5	6.7	6.1	6.5	6.6
Savannah	88.2	93.2	93.1	6.0	5.5	5.9	6.7	5.9	6.3
<b>HAWAII</b>	400.1	409.2	414.0	20.3	22.7	21.9	5.1	5.6	5.3
Honolulu	313.3	319.4	323.3	15.1	16.6	15.9	4.8	5.2	4.9
<b>IDAHO</b>	416.3	429.3	416.5	28.7	29.8	33.9	6.9	6.9	8.1
Boise City	89.3	86.1	86.8	5.2	5.0	5.8	5.8	5.9	6.7
<b>ILLINOIS<sup>2</sup></b>	5,522.0	5,560.4	5,525.6	460.0	450.5	461.0	8.3	8.1	8.3
Bloomington—Normal	61.5	63.8	62.5	3.9	3.2	3.3	6.3	5.0	5.3
Champaign—Urbana—Rantoul	85.8	89.0	86.3	4.6	4.9	4.8	5.4	5.5	5.5
Chicago	3,466.7	3,484.9	3,434.0	271.2	275.4	274.5	7.8	7.9	8.0
Davenport—Rock Island—Moline <sup>1</sup>	187.9	189.8	191.4	13.8	16.7	19.3	7.4	8.8	10.1
Decatur	61.3	62.1	61.5	6.9	6.9	7.1	11.2	11.1	11.5
Kankakee	41.4	42.1	40.9	4.6	5.7	5.5	11.2	13.5	13.4
Peoria	174.1	174.7	172.1	15.3	12.8	13.9	8.8	7.3	8.1
Rockford	134.3	136.2	138.5	17.9	12.2	16.9	13.3	8.9	12.2
Springfield	97.6	99.1	97.7	6.5	6.0	6.3	6.6	6.1	6.5
<b>INDIANA</b>	2,600.0	2,635.7	2,648.8	227.5	258.5	287.2	8.8	9.8	10.8
Anderson	56.2	56.8	56.5	6.4	7.4	7.7	11.4	13.0	13.5
Eikhart	67.0	67.1	67.6	6.4	6.2	7.6	9.6	9.2	11.2
Evansville <sup>1</sup>	145.0	149.4	149.4	9.6	13.8	14.2	6.6	9.3	9.5
Fort Wayne	194.7	193.8	194.7	19.8	19.0	21.6	10.2	9.8	11.1
Gary—Hammond—East Chicago	293.9	296.1	296.1	31.6	36.8	38.1	10.8	12.4	12.9
Indianapolis	603.6	615.0	623.5	41.9	50.7	58.4	6.9	8.2	9.4
Lafayette—West Lafayette	63.6	65.2	65.7	3.5	4.7	4.9	5.5	7.1	7.5
Muncie	57.1	59.0	59.2	5.2	7.4	8.2	9.2	12.6	13.8
South Bend	136.5	135.8	137.2	12.2	11.3	12.6	9.0	8.3	9.2
Terre Haute	82.6	80.5	80.5	7.0	7.7	8.5	8.5	9.6	10.6
<b>IOWA</b>	1,428.6	1,442.2	1,438.4	74.9	88.8	102.0	5.2	6.2	7.1
Cedar Rapids	89.7	87.0	88.2	6.0	6.3	7.4	6.7	7.3	8.4
Des Moines	183.8	183.9	185.7	9.5	12.1	12.9	5.2	6.6	6.9
Dubuque	45.6	45.8	45.9	4.0	5.4	5.3	8.8	11.8	11.5
Sioux City <sup>1</sup>	54.1	54.5	54.4	3.1	4.1	3.9	5.8	7.6	7.2
Waterloo—Cedar Falls	69.5	68.2	69.1	4.2	5.2	5.8	6.0	7.7	8.4
<b>KANSAS</b>	1,193.2	1,219.5	1,215.4	52.3	51.7	53.5	4.4	4.2	4.4
Lawrence	36.2	36.7	36.5	1.7	1.7	1.7	4.8	4.6	4.6
Topeka	95.6	97.0	97.6	5.4	5.7	5.3	5.7	5.9	5.4
Wichita	228.6	232.8	235.3	9.6	9.8	10.7	4.2	4.2	4.5
<b>KENTUCKY</b>	1,626.4	1,664.9	1,646.6	119.1	119.5	152.0	7.3	7.2	9.2
Lexington—Fayette	175.3	181.6	178.8	7.1	8.3	8.8	4.1	4.6	4.9
Louisville <sup>1</sup>	428.7	435.5	N.A.	31.2	34.3	N.A.	7.3	7.9	N.A.
Owensboro	42.3	43.5	42.9	2.6	3.0	3.3	6.2	7.0	7.7
<b>LOUISIANA</b>	1,755.2	1,801.2	1,778.8	119.9	144.8	146.5	6.8	8.0	8.2
Alexandria	69.1	70.7	69.3	6.3	6.6	6.5	9.1	9.4	9.4
Baton Rouge	223.8	229.7	228.9	15.6	21.7	21.7	7.0	9.4	9.5
Lafayette	81.8	89.0	88.6	3.0	3.8	3.6	3.7	4.3	4.1
Lake Charles	74.2	75.9	75.6	5.0	6.4	6.6	6.8	8.4	8.7
Monroe	54.6	52.4	52.9	4.8	5.1	5.2	8.8	9.7	9.9
New Orleans	479.9	480.0	478.2	30.3	36.5	38.2	6.3	7.6	8.0
Shreveport	155.7	156.8	154.6	11.1	11.8	11.5	7.1	7.5	7.4
<b>MAINE</b>	496.8	496.5	491.5	35.4	28.5	31.7	7.1	5.7	6.4
Lewiston—Auburn	38.6	36.9	36.8	2.7	2.1	2.2	7.0	5.7	5.9
Portland	91.5	91.1	92.3	5.3	4.0	4.5	5.7	4.4	4.8
<b>MARYLAND</b>	2,133.0	2,152.1	2,156.0	130.5	159.4	169.3	6.1	7.4	7.9
Baltimore	1,060.6	1,060.2	1,062.9	74.2	91.8	96.7	7.0	8.7	9.1

See footnotes at end of table

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P
<b>MASSACHUSETTS<sup>1</sup></b>	2,947.0	3,043.2	3,061.7	135.0	211.9	194.7	4.6	7.0	6.4
Boston	1,441.0	1,503.8	1,516.2	58.3	95.7	84.1	4.0	6.4	5.5
Brockton	83.8	83.6	84.9	4.6	7.0	6.4	5.4	8.3	7.5
Fall River <sup>1</sup>	73.4	76.7	76.7	4.6	7.0	7.1	6.3	9.2	9.3
Lawrence—Haverhill <sup>1</sup>	143.3	148.1	147.2	7.3	10.7	10.2	5.1	7.2	6.9
Lowell	122.6	127.1	128.9	5.8	9.6	8.8	4.7	7.5	6.8
New Bedford	81.8	84.5	85.7	5.4	8.2	8.0	6.6	9.7	9.3
Springfield—Chicopee—Holyoke	278.0	286.1	286.8	12.8	19.9	18.3	4.6	7.0	6.4
Worcester	202.2	204.0	204.8	8.4	13.1	12.3	4.1	6.4	6.0
<b>MICHIGAN<sup>2</sup></b>	4,305.0	4,438.0	4,403.8	549.0	511.8	521.0	12.8	11.5	11.8
Ann Arbor	146.8	N.A.	N.A.	11.9	N.A.	N.A.	8.1	N.A.	N.A.
Battle Creek	80.7	N.A.	N.A.	10.7	N.A.	N.A.	13.2	N.A.	N.A.
Bay City	53.3	N.A.	N.A.	7.6	N.A.	N.A.	14.2	N.A.	N.A.
Detroit	2,034.4	N.A.	N.A.	270.4	N.A.	N.A.	13.3	N.A.	N.A.
Flint	231.1	N.A.	N.A.	35.5	N.A.	N.A.	15.3	N.A.	N.A.
Grand Rapids	316.0	N.A.	N.A.	28.9	N.A.	N.A.	9.1	N.A.	N.A.
Jackson	65.6	N.A.	N.A.	8.5	N.A.	N.A.	13.0	N.A.	N.A.
Kalamazoo—Portage	135.1	N.A.	N.A.	12.7	N.A.	N.A.	9.4	N.A.	N.A.
Lansing—East Lansing	239.8	N.A.	N.A.	26.2	N.A.	N.A.	10.9	N.A.	N.A.
Muskegon—Norton Shores—Muskegon Heights	78.8	N.A.	N.A.	12.1	N.A.	N.A.	15.4	N.A.	N.A.
Saginaw	100.0	N.A.	N.A.	12.4	N.A.	N.A.	12.4	N.A.	N.A.
<b>MINNESOTA</b>	2,097.5	2,198.3	2,173.4	112.8	109.7	125.3	5.4	5.0	5.8
Duluth—Superior <sup>1</sup>	116.0	114.7	113.4	10.6	10.2	10.8	9.1	8.9	9.5
Minneapolis—St. Paul	1,120.7	1,197.7	1,194.9	49.4	52.0	58.1	4.4	4.3	4.9
Rochester	55.0	58.8	58.0	2.6	2.6	3.0	4.8	4.4	5.1
St. Cloud	74.1	76.1	75.3	4.9	5.4	6.1	6.7	7.1	8.1
<b>MISSISSIPPI</b>	1,024.2	1,024.8	1,020.0	74.4	84.1	92.1	7.3	8.2	9.0
Jackson	153.6	151.3	152.5	8.0	9.7	10.1	5.2	6.4	6.6
<b>MISSOURI</b>	2,279.1	2,323.6	2,285.2	153.5	155.7	158.6	6.7	6.7	6.9
Kansas City <sup>1</sup>	679.4	689.7	683.4	41.0	48.5	44.3	6.0	7.0	6.5
St. Joseph	45.1	44.4	43.4	3.1	3.5	3.7	6.8	7.8	8.4
St. Louis <sup>1</sup>	1,086.1	1,102.6	1,089.3	85.6	84.2	85.6	7.9	7.6	7.9
Springfield	104.1	107.1	106.3	5.8	5.5	5.8	5.6	5.1	5.4
<b>MONTANA</b>	368.5	386.6	384.7	20.1	21.8	25.7	5.5	5.6	6.7
Billings	57.0	59.7	59.7	2.2	2.2	2.5	3.8	3.7	4.1
Great Falls	34.1	35.7	36.2	2.4	2.0	2.2	7.0	5.7	6.1
<b>NEBRASKA</b>	770.8	789.8	789.0	30.5	30.0	33.7	4.0	3.8	4.3
Lincoln	111.2	112.8	114.2	3.7	4.3	4.8	3.3	3.8	4.2
Omaha <sup>1</sup>	278.5	286.5	289.2	14.6	15.8	17.2	5.3	5.5	6.0
<b>NEVADA</b>	381.6	403.6	407.1	23.1	27.3	30.4	6.1	6.8	7.5
Las Vegas	210.1	223.6	226.0	14.5	17.0	18.3	6.9	7.6	8.1
Reno	108.4	111.6	113.1	4.9	5.8	6.8	4.5	5.2	6.0
<b>NEW HAMPSHIRE</b>	464.3	468.8	468.2	21.7	21.1	23.4	4.7	4.5	5.0
Manchester	81.7	80.7	81.6	3.9	3.5	4.0	4.8	4.4	5.0
Nashua	78.6	79.5	80.2	3.6	3.9	3.9	4.6	5.0	4.9
<b>NEW JERSEY<sup>2</sup></b>	3,581.0	3,566.3	3,559.3	252.0	228.8	249.4	7.0	6.4	7.0
Atlantic City	106.8	116.3	116.1	7.5	10.1	10.6	7.0	8.7	9.1
Jersey City	242.5	238.5	240.0	23.8	22.2	24.7	9.8	9.3	10.3
Long Branch—Asbury Park	231.4	240.3	239.1	16.0	16.1	16.8	6.9	6.7	7.0
New Brunswick—Perth Amboy—Sayreville	329.5	326.9	324.5	19.7	17.8	20.4	6.0	5.5	6.3
Newark	977.3	973.9	972.6	66.5	60.2	62.9	6.8	6.2	6.5
Paterson—Clifton—Passaic	210.7	208.5	209.4	18.1	14.9	16.0	8.6	7.1	7.6
Trenton	160.5	160.9	160.5	7.9	8.1	9.0	4.9	5.0	5.4
Vineland—Millville—Bridgeton	58.8	58.1	58.6	6.9	6.2	7.6	11.7	10.7	12.9
<b>NEW MEXICO</b>	542.9	567.5	564.7	41.2	39.2	38.9	7.6	6.9	6.9
Albuquerque	201.8	208.4	208.5	16.2	14.7	14.7	8.0	7.1	7.0

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P
<b>NEW YORK</b> <sup>2</sup>	7,939.0	7,886.8	7,852.1	581.0	529.8	574.0	7.3	6.7	7.3
Albany—Schenectady—Troy	381.7	372.4	371.6	22.0	17.3	22.9	5.8	4.6	6.2
Binghamton <sup>1</sup>	142.6	142.5	143.3	10.0	7.0	9.5	7.0	4.9	6.6
Buffalo	581.5	561.3	564.8	53.1	42.9	54.3	9.1	7.6	9.6
Elmira	40.6	40.0	40.0	3.2	2.5	3.0	7.9	6.1	7.4
Nassau-Suffolk	1,329.5	1,306.5	1,305.8	78.3	60.4	73.1	5.9	4.6	5.6
New York	3,515.3	3,549.1	3,516.3	268.0	296.5	272.0	7.6	8.4	7.7
New York City <sup>3</sup>	2,893.0	2,934.0	2,904.0	239.0	274.0	241.0	8.3	9.3	8.3
Poughkeepsie	109.1	109.9	110.1	6.0	4.7	6.0	5.5	4.3	5.4
Rochester	479.1	474.1	475.2	27.5	22.0	29.1	5.7	4.6	6.1
Syracuse	308.2	300.7	301.7	22.5	15.8	20.7	7.3	5.3	6.9
Utica—Rome	137.6	135.7	135.4	10.8	7.2	9.8	7.9	5.3	7.2
<b>NORTH CAROLINA</b>	2,740.5	2,794.7	2,792.1	177.0	156.0	173.0	6.5	5.6	6.2
Asheville	81.9	83.8	83.6	4.9	4.6	5.2	6.0	5.5	6.2
Charlotte—Gastonia	347.9	355.7	356.6	16.4	15.6	16.9	4.7	4.4	4.7
Greensboro—Winston-Salem—High Point	417.3	428.3	430.6	23.9	21.9	24.1	5.7	5.1	5.6
Raleigh—Durham	291.6	296.7	297.7	12.8	11.8	12.7	4.4	4.0	4.3
<b>NORTH DAKOTA</b>	296.0	312.2	301.7	12.9	11.3	13.2	4.4	3.6	4.4
Fargo—Moorhead <sup>1</sup>	70.3	73.7	72.8	3.2	2.9	3.2	4.5	4.0	4.5
<b>OHIO</b> <sup>2</sup>	5,112.0	5,112.0	5,151.4	463.0	504.7	562.0	9.1	9.9	10.9
Akron	304.6	300.2	303.3	28.6	28.5	32.4	9.4	9.5	10.7
Canton	185.9	185.0	187.6	18.3	17.4	19.8	9.8	9.4	10.6
Cincinnati <sup>1</sup>	679.9	693.9	697.2	51.9	63.4	67.8	7.6	9.1	9.7
Cleveland	943.6	936.7	946.7	77.8	80.3	87.8	8.2	8.6	9.3
Columbus	571.2	575.6	581.3	38.8	46.1	50.3	6.8	8.0	8.6
Dayton	390.8	392.3	395.7	30.0	33.4	36.7	7.7	8.5	9.3
Toledo <sup>1</sup>	370.8	N.A.	N.A.	39.0	N.A.	N.A.	10.5	N.A.	N.A.
Youngstown—Warren	236.5	230.2	235.5	29.2	25.4	29.4	12.4	11.0	12.5
<b>OKLAHOMA</b>	1,331.8	1,414.4	1,406.1	61.8	48.4	53.8	4.6	3.4	3.8
Oklahoma City	409.5	440.9	441.3	17.3	13.0	17.9	4.2	2.9	4.1
Tulsa	327.6	350.1	348.6	13.9	12.5	12.7	4.2	3.6	3.6
<b>OREGON</b>	1,255.0	1,323.5	1,316.7	101.2	126.1	141.7	8.1	9.5	10.8
Eugene—Springfield	132.0	139.2	139.2	12.4	16.4	17.6	9.4	11.7	12.6
Portland <sup>1</sup>	618.2	641.5	644.7	39.1	50.5	56.1	6.3	7.9	8.7
Salem	118.5	126.3	123.2	8.5	9.8	10.8	7.2	7.8	8.8
<b>PENNSYLVANIA</b> <sup>2</sup>	5,440.0	5,472.4	5,463.4	412.0	467.1	472.8	7.6	8.5	8.7
Allentown—Bethlehem—Easton <sup>1</sup>	306.2	310.9	311.4	20.6	24.3	27.0	6.7	7.8	8.7
Altoona	60.6	57.7	57.8	6.3	6.6	6.9	10.5	11.5	11.9
Erie	127.6	124.7	124.8	12.0	11.2	12.3	9.4	8.9	9.9
Harrisburg	222.3	232.4	231.2	12.6	14.6	13.5	5.7	6.3	5.8
Johnstown	109.7	106.7	106.6	13.2	13.2	14.3	12.1	12.4	13.4
Lancaster	179.9	185.9	185.7	9.9	9.8	11.3	5.5	5.3	6.1
Northeast Pennsylvania	293.2	288.3	288.7	29.2	27.6	29.4	10.0	9.6	10.2
Philadelphia <sup>1</sup>	2,177.5	2,160.3	2,154.9	141.8	179.4	167.8	6.5	8.3	7.8
Pittsburgh	1,028.6	1,043.9	1,044.5	71.7	76.3	81.2	7.0	7.3	7.8
Reading	158.1	164.4	164.2	10.3	12.2	12.8	6.5	7.4	7.8
Williamsport	53.2	53.4	53.4	5.5	6.5	5.8	10.3	12.1	10.9
York	176.5	181.8	181.6	10.8	13.3	14.0	6.1	7.3	7.7
<b>RHODE ISLAND</b>	462.6	469.0	469.9	27.8	29.4	30.8	6.0	6.3	6.6
Providence—Warwick—Pawtucket <sup>1</sup>	459.6	466.3	467.5	27.1	30.1	30.7	5.9	6.5	6.6
<b>SOUTH CAROLINA</b>	1,304.3	1,344.7	1,337.0	93.1	108.8	121.7	7.1	8.1	9.1
Charleston—North Charleston	156.2	163.7	164.7	10.8	12.3	14.2	6.9	7.5	8.6
Columbia	175.3	177.6	177.4	8.5	10.4	11.9	4.8	5.8	6.7
Greenville—Spartanburg	261.1	268.6	268.2	15.5	19.8	22.0	5.9	7.4	8.2
<b>SOUTH DAKOTA</b>	328.4	342.3	333.0	16.0	14.4	16.0	4.9	4.2	4.8
Rapid City	40.7	41.8	41.1	2.3	1.9	2.1	5.6	4.6	5.2
Sioux Falls	62.7	64.6	64.4	2.8	2.9	3.3	4.5	4.4	5.1
<b>TENNESSEE</b>	2,017.9	2,099.0	2,084.9	139.1	179.2	200.0	6.9	8.5	9.6
Chattanooga <sup>1</sup>	188.6	192.9	191.5	13.0	16.9	17.1	6.9	8.8	8.9
Knoxville	213.9	221.7	221.9	11.4	15.7	18.2	5.4	7.1	8.2
Memphis <sup>1</sup>	390.7	407.6	405.0	23.9	35.3	37.0	6.1	8.7	9.1
Nashville—Davidson	411.1	422.0	420.5	22.4	26.6	28.4	5.4	6.3	6.7

See footnotes at end of table

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P	NOV. 1980	OCT. 1981	NOV. 1981P
<b>TEXAS<sup>2</sup></b> .....	6,510.0	6,726.2	6,766.6	363.0	310.7	373.0	5.6	4.6	5.5
Amarillo.....	86.8	89.4	90.8	3.9	3.5	4.0	4.4	3.9	4.5
Austin.....	257.0	268.3	268.1	9.8	9.4	10.9	3.8	3.5	4.1
Beaumont—Port Arthur—Orange.....	170.1	170.0	169.3	12.5	9.3	11.4	7.3	5.4	6.7
Corpus Christi.....	141.3	147.2	148.4	8.7	7.6	9.2	6.1	5.2	6.2
Dallas—Fort Worth.....	1,559.0	1,619.8	1,628.4	74.6	68.2	79.5	4.8	4.2	4.9
El Paso.....	176.6	176.6	179.8	17.7	12.7	15.7	10.0	7.2	8.8
Galveston—Texas City.....	84.0	86.1	88.0	5.9	4.8	6.3	7.0	5.6	7.1
Houston.....	1,500.6	1,581.0	1,585.1	66.4	62.4	72.4	4.4	3.9	4.6
Lubbock.....	100.4	102.3	102.8	4.4	4.2	5.2	4.3	4.1	5.1
San Antonio.....	431.8	439.2	442.1	29.5	25.0	30.2	6.8	5.7	6.8
Waco.....	80.7	82.5	83.1	4.0	3.7	4.0	5.0	4.5	4.9
Wichita Falls.....	61.1	63.5	65.6	2.5	2.4	4.6	4.0	3.8	7.0
<b>UTAH</b> .....	614.0	628.2	630.5	38.2	39.8	43.1	6.2	6.3	6.8
Salt Lake City—Ogden.....	403.6	412.0	412.0	24.6	25.2	27.3	6.1	6.1	6.6
<b>VERMONT</b> .....	247.9	260.5	256.7	15.7	11.7	14.0	6.3	4.5	5.4
<b>VIRGINIA</b> .....	2,543.8	2,559.5	2,575.0	127.3	137.9	156.2	5.0	5.4	6.1
Lynchburg.....	77.6	76.9	77.8	3.9	3.8	4.6	5.1	5.0	5.9
Newport News—Hampton.....	170.0	172.7	173.6	9.2	9.5	10.7	5.4	5.5	6.2
Norfolk—Virginia Beach—Portsmouth <sup>1</sup> .....	327.9	335.8	339.7	18.6	19.4	22.4	5.7	5.8	6.6
Petersburg—Colonial Heights—Hopewell.....	60.2	59.4	59.7	4.0	4.0	4.3	6.6	6.7	7.1
Richmond.....	332.7	334.2	337.8	11.9	13.2	15.9	3.6	4.0	4.7
Roanoke.....	112.2	110.4	110.8	5.0	7.0	6.9	4.5	6.3	6.2
<b>WASHINGTON</b> .....	1,895.7	1,924.1	1,914.3	143.0	175.7	192.4	7.5	9.1	10.1
Seattle—Everett.....	846.0	836.8	843.3	51.9	67.3	71.2	6.1	8.0	8.4
Spokane.....	145.9	145.3	146.1	11.2	13.4	14.7	7.7	9.2	10.1
Tacoma.....	171.6	171.6	172.9	13.0	16.4	17.1	7.6	9.5	9.9
<b>WEST VIRGINIA</b> .....	769.0	770.1	774.1	69.0	65.0	75.0	9.0	8.4	9.7
Charleston.....	128.7	126.4	126.1	9.6	8.6	9.4	7.5	6.8	7.5
Huntington—Ashland <sup>1</sup> .....	125.8	126.7	127.0	12.2	11.4	12.8	9.7	9.0	10.1
Parkersburg—Marietta <sup>1</sup> .....	73.1	71.5	72.0	7.9	6.7	7.5	10.7	9.4	10.4
Wheeling <sup>1</sup> .....	82.9	82.4	82.4	7.8	8.4	8.6	9.4	10.2	10.4
<b>WISCONSIN</b> .....	2,394.1	2,448.3	2,434.8	155.0	185.8	193.4	6.5	7.6	7.9
Appleton—Oshkosh.....	149.3	152.4	152.1	10.0	10.3	11.3	6.7	6.7	7.4
Eau Claire.....	57.6	60.2	59.9	3.2	4.1	4.4	5.6	6.8	7.4
Green Bay.....	89.4	93.2	92.1	5.7	6.9	7.4	6.4	7.4	8.1
Janesville—Beloit.....	70.6	72.5	72.0	5.6	10.4	10.8	8.0	14.3	15.0
Kenosha.....	61.8	57.9	58.3	4.9	9.8	4.6	8.0	17.0	7.8
La Crosse.....	48.9	51.5	51.7	2.7	3.5	3.8	5.5	6.8	7.4
Madison.....	185.2	191.6	190.4	7.8	9.6	10.1	4.2	5.0	5.3
Milwaukee.....	731.3	744.7	743.0	44.8	52.9	55.4	6.1	7.1	7.5
Racine.....	87.4	89.5	87.1	7.4	9.3	7.5	8.4	10.4	8.6
<b>WYOMING</b> .....	242.3	244.8	243.1	10.6	9.1	10.4	4.4	3.7	4.3

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

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

becomes available. Data refer to place of residence.

p = preliminary.

N.A. = not available.

NOTE: Estimates for 1980 have been benchmarked to 1980 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1981 are provisional and will be revised when new benchmark information

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



# HOUSEHOLD DATA HISTORICAL

## 1. Employment status of the noninstitutional population, 1929 to date

(Numbers in thousands)

Year	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force	
<b>Persons 14 years of age and over</b>										
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	(1)
1930.....	(1)	50,080	(1)	49,820	45,480	10,340	35,140	4,340	8.7	(1)
1931.....	(1)	50,680	(1)	50,420	42,400	10,290	32,110	8,020	15.9	(1)
1932.....	(1)	51,250	(1)	51,000	38,940	10,170	28,770	12,060	23.6	(1)
1933.....	(1)	51,840	(1)	51,590	38,760	10,090	28,670	12,830	24.9	(1)
1934.....	(1)	52,490	(1)	52,230	40,890	9,900	30,990	11,340	21.7	(1)
1935.....	(1)	53,140	(1)	52,870	42,260	10,110	32,150	10,610	20.1	(1)
1936.....	(1)	53,740	(1)	53,440	44,410	10,000	34,410	9,030	16.9	(1)
1937.....	(1)	54,320	(1)	54,000	46,300	9,820	36,480	7,700	14.3	(1)
1938.....	(1)	54,950	(1)	54,610	44,220	9,690	34,530	10,390	19.0	(1)
1939.....	(1)	55,600	(1)	55,230	45,750	9,610	36,140	9,480	17.2	(1)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	45,850
<b>Persons 16 years of age and over</b>										
1947.....	103,418	60,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,611	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,708
1950.....	106,645	63,858	59.9	62,208	58,918	7,160	51,758	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093
1953 <sup>2</sup> .....	110,601	66,560	60.2	63,015	61,179	6,260	54,919	1,834	2.9	44,041
1954.....	111,671	66,993	60.0	63,643	60,109	6,205	53,904	3,532	5.5	44,678
1955.....	112,732	68,072	60.4	65,023	62,170	6,450	55,722	2,852	4.4	44,660
1956.....	113,811	69,409	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960
1960 <sup>2</sup> .....	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	48,312
1962 <sup>2</sup> .....	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,667	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,596	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	55,666
1972 <sup>2</sup> .....	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973 <sup>2</sup> .....	148,263	91,040	61.4	88,714	84,409	3,452	80,957	4,304	4.9	57,222
1974.....	150,827	93,240	61.8	91,011	85,935	3,492	82,443	5,076	5.6	57,587
1975.....	153,449	94,793	61.8	92,613	84,783	3,380	81,403	7,830	8.5	58,655
1976.....	156,048	96,917	62.1	94,773	87,485	3,297	84,188	7,288	7.7	59,130
1977.....	158,559	99,534	62.8	97,401	90,545	3,244	87,302	6,855	7.0	59,025
1978 <sup>2</sup> .....	161,058	102,537	63.7	100,420	94,373	3,342	91,031	6,047	6.0	58,521
1979.....	163,620	104,996	64.2	102,908	96,945	3,297	93,648	5,963	5.8	58,623
1980.....	166,246	106,821	64.3	104,719	97,270	3,310	93,960	7,448	7.1	59,425
1981.....	168,578	108,535	64.4	106,393	98,313	3,312	95,001	8,080	7.6	60,043

<sup>1</sup> Not available.

Comparability" under Household Data section of Explanatory Notes.

<sup>2</sup> Not strictly comparable with data for prior years. For an explanation, see "Historic

# HOUSEHOLD DATA HISTORICAL

## 2. Employment status of the noninstitutional population 16 years and over by sex, 1947 to date

[Numbers in thousands]

Year	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force	
<b>Males</b>										
1947	50,968	44,258	86.8	42,686	40,995	6,643	34,352	1,692	4.0	6,710
1948	51,439	44,729	87.0	43,286	41,725	6,358	35,367	1,559	3.6	6,710
1949	51,922	45,097	86.9	43,498	40,925	6,343	34,583	2,572	5.9	6,825
1950	52,352	45,446	86.8	43,819	41,578	6,002	35,576	2,239	5.1	6,906
1951	52,788	46,063	87.3	43,001	41,780	5,534	36,246	1,221	2.8	6,725
1952	53,248	46,416	87.2	42,869	41,682	5,390	36,293	1,185	2.8	6,832
1953 <sup>1</sup>	54,248	47,131	86.9	43,633	42,430	5,253	37,177	1,202	2.8	7,117
1954	54,706	47,275	86.4	43,965	41,619	5,200	36,418	2,344	5.3	7,431
1955	55,122	47,488	86.2	44,475	42,621	5,265	37,356	1,854	4.2	7,634
1956	55,547	47,914	86.3	45,091	43,379	5,040	38,339	1,711	3.8	7,633
1957	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,841	4.1	8,118
1958	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8	8,514
1959	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.2	8,907
1960 <sup>1</sup>	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	9,274
1961	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	9,633
1962 <sup>1</sup>	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	10,231
1963	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	10,792
1964	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	11,169
1965	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	11,527
1966	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	11,792
1967	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	11,919
1968	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	12,315
1969	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	12,677
1970	67,409	54,343	80.6	51,195	48,960	2,861	46,099	2,235	4.4	13,066
1971	68,512	54,797	80.0	52,021	49,245	2,790	46,455	2,776	5.3	13,715
1972 <sup>1</sup>	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973 <sup>1</sup>	71,020	56,479	79.5	54,203	51,963	2,833	49,130	2,240	4.1	14,541
1974	72,253	57,349	79.4	55,186	52,518	2,900	49,618	2,668	4.8	14,904
1975	73,494	57,706	78.5	55,615	51,230	2,801	48,429	4,385	7.9	15,788
1976	74,739	58,397	78.1	56,359	52,391	2,716	49,675	3,968	7.0	16,341
1977	75,981	59,467	78.3	57,449	53,861	2,639	51,222	3,588	6.2	16,514
1978 <sup>1</sup>	77,169	60,535	78.4	58,542	55,491	2,681	52,810	3,051	5.2	16,634
1979	78,397	61,466	78.4	59,517	56,499	2,645	53,854	3,018	5.1	16,931
1980	79,642	62,088	78.0	60,145	55,988	2,664	53,324	4,157	6.9	17,554
1981	80,734	62,597	77.5	60,633	56,168	2,654	53,514	4,465	7.4	18,136
<b>Females</b>										
1947	52,450	16,683	31.8	16,664	16,045	1,248	14,797	619	3.7	35,767
1948	53,088	17,351	32.7	17,335	16,617	1,271	15,346	717	4.1	35,737
1949	53,689	17,806	33.2	17,788	16,723	1,315	15,409	1,065	6.0	35,883
1950	54,293	18,412	33.9	18,389	17,340	1,159	16,181	1,049	5.7	35,881
1951	54,933	19,054	34.7	19,016	18,181	1,193	16,988	834	4.4	35,879
1952	55,575	19,314	34.8	19,269	18,568	1,111	17,458	698	3.6	36,261
1953 <sup>1</sup>	56,353	19,429	34.5	19,382	18,749	1,006	17,743	632	3.3	36,924
1954	56,965	19,718	34.6	19,678	18,490	1,006	17,486	1,188	6.0	37,247
1955	57,610	20,584	35.7	20,548	19,551	1,184	18,366	998	4.9	37,026
1956	58,264	21,495	36.9	21,461	20,419	1,244	19,175	1,039	4.8	36,769
1957	58,983	21,765	36.9	21,732	20,714	1,123	19,591	1,018	4.7	37,218
1958	59,723	22,149	37.1	22,118	20,613	990	19,623	1,504	6.8	37,574
1959	60,569	22,516	37.2	22,483	21,164	1,033	20,131	1,320	5.9	38,053
1960 <sup>1</sup>	61,615	23,272	37.8	23,240	21,874	986	20,887	1,366	5.9	38,343
1961	62,517	23,838	38.1	23,806	22,090	902	21,187	1,717	7.2	38,679
1962 <sup>1</sup>	63,355	24,047	38.0	24,014	22,525	875	21,651	1,488	6.2	39,308
1963	64,527	24,736	38.3	24,704	23,105	876	22,227	1,598	6.5	39,791
1964	65,668	25,443	38.7	25,412	23,831	832	23,000	1,581	6.2	40,225
1965	66,763	26,232	39.3	26,200	24,748	814	23,934	1,452	5.5	40,531
1966	67,829	27,333	40.3	27,299	25,976	736	25,240	1,324	4.8	40,496
1967	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	40,608
1968	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	40,976
1969	71,476	30,551	42.7	30,513	29,084	643	28,441	1,429	4.7	40,924
1970	72,774	31,560	43.4	31,520	29,667	601	29,066	1,853	5.9	41,214
1971	74,084	32,132	43.4	32,091	29,875	598	29,277	2,217	6.9	41,952
1972 <sup>1</sup>	75,911	33,320	43.9	33,277	31,072	633	30,439	2,205	6.6	42,591
1973 <sup>1</sup>	77,242	34,561	44.7	34,510	32,446	619	31,827	2,064	6.0	42,681
1974	78,575	35,892	45.7	35,825	33,417	592	32,825	2,408	6.7	42,683
1975	79,954	37,087	46.4	36,998	33,553	579	32,973	3,445	9.3	42,868
1976	81,309	38,520	47.4	38,414	35,095	582	34,513	3,320	8.6	42,789
1977	82,577	40,067	48.5	39,952	36,685	605	36,080	3,267	8.2	42,510
1978 <sup>1</sup>	83,890	42,002	50.1	41,878	38,882	661	38,221	2,996	7.2	41,887
1979	85,223	43,531	51.1	43,391	40,446	652	39,794	2,945	6.8	41,692
1980	86,604	44,733	51.7	44,574	41,283	646	40,637	3,291	7.4	41,871
1981	87,844	45,937	52.3	45,760	42,145	657	41,487	3,615	7.9	41,907

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

# HOUSEHOLD DATA ANNUAL AVERAGES

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

[Numbers in thousands]

Sex, age, and race	1981										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>MALES</b>											
16 years and over .....	62,597	77.5	60,633	56,168	4,465	7.4	18,136	355	3,758	1,594	12,428
16 to 21 years .....	8,520	68.1	7,871	6,454	1,417	18.0	3,992	22	3,020	31	919
16 to 19 years .....	4,967	60.6	4,688	3,744	944	20.1	3,232	17	2,492	16	708
16 to 17 years .....	1,922	48.1	1,905	1,484	421	22.1	2,075	10	1,643	6	415
18 to 19 years .....	3,045	72.5	2,783	2,260	523	18.8	1,157	7	849	9	292
20 to 64 years .....	55,780	89.2	54,095	50,629	3,466	6.4	6,727	173	1,265	1,135	4,154
20 to 24 years .....	9,066	86.6	8,320	7,220	1,100	13.2	1,397	13	908	45	431
25 to 54 years .....	39,623	94.3	38,686	36,578	2,108	5.4	2,407	96	349	601	1,362
25 to 29 years .....	8,958	94.3	8,589	7,899	689	8.0	539	14	210	56	258
30 to 34 years .....	8,493	95.9	8,231	7,751	480	5.8	359	19	76	71	192
35 to 39 years .....	6,721	96.0	6,538	6,230	307	4.7	279	17	24	79	159
40 to 44 years .....	5,499	94.9	5,412	5,175	238	4.4	298	12	17	93	176
45 to 49 years .....	4,976	93.4	4,947	4,739	208	4.2	353	13	15	113	211
50 to 54 years .....	4,977	89.6	4,969	4,783	186	3.7	579	20	7	187	366
55 to 64 years .....	7,091	70.8	7,090	6,832	258	3.6	2,923	65	8	489	2,361
55 to 59 years .....	4,365	81.3	4,364	4,205	159	3.6	1,003	34	5	243	721
60 to 64 years .....	2,726	58.7	2,725	2,627	98	3.6	1,920	31	3	246	1,640
65 years and over .....	1,850	18.5	1,850	1,795	55	3.0	8,177	165	1	444	7,567
65 to 69 years .....	1,073	27.8	1,073	1,038	34	3.2	2,781	42	1	144	2,594
70 years and over .....	777	12.6	777	757	20	2.6	5,396	122	--	299	4,974
<b>White</b>											
16 years and over .....	55,542	78.4	54,027	50,504	3,523	6.5	15,284	275	2,952	1,261	10,796
16 to 21 years .....	7,455	70.6	6,963	5,857	1,106	15.9	3,106	13	2,385	23	685
16 to 19 years .....	4,390	63.7	4,174	3,426	747	17.9	2,502	11	1,948	12	531
16 to 17 years .....	1,724	51.7	1,710	1,369	341	20.0	1,614	7	1,280	5	322
18 to 19 years .....	2,665	75.0	2,463	2,057	406	16.5	888	4	668	7	210
20 to 64 years .....	49,472	90.1	48,174	45,439	2,735	5.7	5,447	128	1,003	887	3,429
20 to 24 years .....	7,856	87.8	7,304	6,457	847	11.6	1,096	8	751	32	304
25 to 54 years .....	35,152	95.1	34,406	32,738	1,669	4.9	1,793	71	247	448	1,027
25 to 29 years .....	15,370	96.0	14,881	13,963	918	6.2	643	25	207	89	321
30 to 34 years .....	10,885	96.2	10,661	10,228	433	4.1	428	19	26	133	250
35 to 44 years .....	8,896	92.5	8,865	8,546	318	3.6	723	26	15	225	457
55 to 64 years .....	6,465	71.6	6,463	6,244	219	3.4	2,558	49	5	407	2,097
55 to 59 years .....	3,976	82.4	3,975	3,840	135	3.4	852	24	3	203	621
60 to 64 years .....	2,489	59.3	2,489	2,404	84	3.4	1,707	25	2	204	1,475
65 years and over .....	1,680	18.6	1,680	1,639	41	2.4	7,335	136	1	362	6,836
<b>Black and other</b>											
16 years and over .....	7,056	71.2	6,606	5,664	942	14.3	2,852	81	806	333	1,633
16 to 21 years .....	1,065	54.6	908	598	310	34.2	886	9	636	8	234
16 to 19 years .....	577	44.2	515	318	197	38.3	730	6	544	3	176
16 to 17 years .....	197	30.0	195	115	80	40.9	461	3	363	1	94
18 to 19 years .....	380	58.5	320	202	117	36.7	269	3	181	2	83
20 to 64 years .....	6,308	83.1	5,921	5,190	731	12.3	1,280	45	262	248	725
20 to 24 years .....	1,211	80.0	1,016	763	253	24.9	302	5	157	13	127
25 to 54 years .....	4,471	87.9	4,279	3,840	440	10.3	613	25	102	153	334
25 to 34 years .....	2,080	89.1	1,938	1,687	251	13.0	255	8	80	38	129
35 to 44 years .....	1,334	89.9	1,289	1,177	112	8.7	150	10	15	39	85
45 to 54 years .....	1,056	83.5	1,052	976	76	7.2	209	7	7	75	121
55 to 64 years .....	627	63.2	626	588	38	6.1	365	16	3	82	264
55 to 59 years .....	390	72.0	390	365	24	6.2	152	10	2	40	100
60 to 64 years .....	237	52.6	237	223	14	6.0	213	6	1	42	164
65 years and over .....	170	16.8	170	156	14	8.1	842	29	--	82	731

# HOUSEHOLD DATA ANNUAL AVERAGES

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

(Numbers in thousands)

Sex, age, and race	1981										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>FEMALES</b>											
16 years and over .....	45,937	52.3	45,760	42,145	3,615	7.9	41,907	31,217	3,790	1,051	5,849
16 to 21 years .....	7,056	57.6	6,987	5,838	1,149	16.4	5,189	1,280	3,087	15	806
18 to 19 years .....	4,189	52.3	4,160	3,371	789	19.0	3,824	618	2,563	8	635
16 to 17 years .....	1,648	42.6	1,647	1,306	341	20.7	2,221	175	1,666	4	377
18 to 19 years .....	2,541	61.3	2,513	2,066	447	17.8	1,603	443	897	5	258
20 to 64 years .....	40,590	62.0	40,442	37,658	2,784	6.9	24,888	20,898	1,221	478	2,290
20 to 24 years .....	7,309	69.9	7,224	6,419	805	11.1	3,141	1,977	795	19	350
25 to 54 years .....	28,637	65.3	28,574	26,773	1,801	6.3	15,199	13,460	412	238	1,090
25 to 28 years .....	6,556	67.7	6,513	5,961	551	8.5	3,128	2,710	171	25	222
30 to 34 years .....	5,988	65.9	5,974	5,562	412	6.9	3,103	2,770	104	27	202
35 to 39 years .....	4,875	66.4	4,871	4,582	289	5.9	2,471	2,205	69	27	171
40 to 44 years .....	4,149	67.4	4,148	3,922	225	5.4	2,003	1,799	27	31	146
45 to 49 years .....	3,619	64.2	3,619	3,441	178	4.9	2,016	1,808	24	51	133
50 to 54 years .....	3,450	58.2	3,450	3,305	145	4.2	2,479	2,168	16	78	217
55 to 64 years .....	4,644	41.5	4,644	4,465	178	3.8	6,547	5,460	14	221	851
55 to 59 years .....	2,919	49.4	2,919	2,802	117	4.0	2,994	2,549	11	109	324
60 to 64 years .....	1,725	32.7	1,725	1,664	61	3.6	3,553	2,912	3	112	527
65 years and over .....	1,158	8.1	1,158	1,116	42	3.6	13,195	9,701	6	565	2,923
65 to 69 years .....	714	14.9	714	684	30	4.2	4,084	3,188	2	111	784
70 years and over .....	444	4.6	444	431	13	2.8	9,111	6,513	4	455	2,139
<b>White</b>											
16 years and over .....	39,687	52.1	39,559	36,836	2,723	6.9	36,509	27,803	2,916	822	4,967
16 to 21 years .....	6,217	60.7	6,169	5,306	863	14.0	4,034	1,021	2,392	9	611
18 to 19 years .....	3,728	55.7	3,707	3,094	614	16.6	2,964	494	1,978	4	487
16 to 17 years .....	1,486	46.2	1,486	1,212	274	18.4	1,729	139	1,289	2	298
18 to 19 years .....	2,241	64.5	2,222	1,882	340	15.3	1,235	354	689	3	189
20 to 64 years .....	34,928	61.8	34,820	32,746	2,074	6.0	21,592	18,402	933	365	1,893
20 to 24 years .....	6,307	71.7	6,245	5,680	565	9.1	2,492	1,612	611	13	256
25 to 54 years .....	24,508	65.0	24,461	23,107	1,354	5.5	13,205	11,816	310	182	894
25 to 34 years .....	10,631	66.5	10,589	9,892	697	6.6	5,360	4,783	200	42	335
35 to 44 years .....	7,734	66.4	7,730	7,333	397	5.1	3,914	3,529	78	45	263
45 to 54 years .....	6,144	61.0	6,143	5,882	261	4.2	3,931	3,504	33	96	297
55 to 64 years .....	4,114	41.1	4,114	3,959	154	3.8	5,897	4,974	11	169	742
55 to 59 years .....	2,594	49.2	2,594	2,492	102	3.9	2,679	2,306	9	81	285
60 to 64 years .....	1,520	32.1	1,520	1,467	53	3.5	3,217	2,668	3	88	458
65 years and over .....	1,031	7.9	1,031	996	35	3.4	11,953	8,907	5	453	2,587
<b>Black and other</b>											
16 years and over .....	6,250	53.7	6,201	5,309	892	14.4	5,398	3,414	874	229	881
16 to 21 years .....	838	42.1	818	532	286	35.0	1,155	259	695	6	195
18 to 19 years .....	461	34.9	453	278	175	38.6	861	124	585	4	148
16 to 17 years .....	162	24.7	161	94	67	41.8	492	35	377	2	79
18 to 19 years .....	299	44.8	291	184	107	36.9	368	89	208	2	70
20 to 64 years .....	5,662	63.2	5,621	4,911	710	12.6	3,294	2,497	288	112	398
20 to 24 years .....	1,003	60.7	978	739	239	24.5	649	366	184	6	94
25 to 54 years .....	4,129	67.4	4,112	3,667	446	10.8	1,996	1,645	101	55	194
25 to 34 years .....	1,913	68.7	1,898	1,632	266	14.0	871	697	75	9	89
35 to 44 years .....	1,290	69.7	1,289	1,171	118	9.1	561	476	18	13	54
45 to 54 years .....	926	62.1	926	864	62	6.7	564	472	7	33	52
55 to 64 years .....	530	44.9	530	506	24	4.5	651	486	3	52	109
55 to 59 years .....	325	50.8	325	309	15	4.7	314	243	3	29	40
60 to 64 years .....	205	37.9	205	197	9	4.2	336	243	1	23	69
65 years and over .....	127	9.3	127	120	7	5.8	1,243	793	1	113	335

# HOUSEHOLD DATA ANNUAL AVERAGES

## 4. Labor force by sex, age, and race

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	1980	1981	1980	1981	1980	1981	1980	1981
<b>MALES</b>								
16 years and over	62,088	62,597	78.0	77.5	60,145	60,633	77.4	77.0
16 to 19 years	5,191	4,967	62.0	60.6	4,912	4,688	60.7	59.2
16 to 17 years	2,069	1,922	50.4	48.1	2,051	1,905	50.1	47.9
18 to 19 years	3,121	3,045	73.2	72.5	2,861	2,783	71.5	70.6
20 to 24 years	9,022	9,066	87.0	86.6	8,287	8,320	86.0	85.6
25 to 54 years	38,833	39,623	94.4	94.3	37,905	38,686	94.2	94.1
25 to 34 years	16,943	17,451	95.4	95.1	16,327	16,819	95.3	94.9
35 to 44 years	11,901	12,220	95.6	95.5	11,626	11,950	95.5	95.4
45 to 54 years	9,989	9,952	91.2	91.4	9,952	9,916	91.2	91.4
55 to 64 years	7,165	7,091	72.3	70.8	7,164	7,090	72.3	70.8
55 to 59 years	4,398	4,365	81.9	81.3	4,397	4,364	81.9	81.3
60 to 64 years	2,767	2,726	61.0	58.7	2,767	2,725	61.0	58.7
65 years and over	1,877	1,850	19.1	18.5	1,877	1,850	19.1	18.5
<b>White</b>								
16 years and over	55,133	55,542	78.8	78.4	53,627	54,027	78.3	77.9
16 to 19 years	4,586	4,390	64.9	63.7	4,375	4,174	63.8	62.5
16 to 17 years	1,856	1,724	53.8	51.7	1,841	1,710	53.6	51.4
18 to 19 years	2,730	2,665	75.5	75.0	2,534	2,463	74.1	73.5
20 to 24 years	7,815	7,856	87.9	87.8	7,267	7,304	87.1	87.0
25 to 54 years	34,473	35,152	95.1	95.1	33,727	34,406	95.0	95.0
25 to 34 years	14,930	15,370	96.0	96.0	14,445	14,881	95.9	95.9
35 to 44 years	10,606	10,885	96.3	96.2	10,377	10,661	96.2	96.1
45 to 54 years	8,937	8,896	92.2	92.5	8,905	8,865	92.2	92.5
55 to 64 years	6,554	6,465	73.3	71.6	6,553	6,463	73.3	71.6
55 to 59 years	4,018	3,976	83.0	82.4	4,017	3,975	83.0	82.4
60 to 64 years	2,536	2,489	61.8	59.3	2,536	2,489	61.8	59.3
65 years and over	1,704	1,680	19.3	18.6	1,704	1,680	19.3	18.6
<b>Black and other</b>								
16 years and over	6,955	7,056	72.1	71.2	6,518	6,606	70.8	69.8
16 to 19 years	605	577	46.3	44.2	536	515	43.3	41.3
16 to 17 years	213	197	32.2	30.0	210	195	31.9	29.7
18 to 19 years	392	380	60.7	58.5	327	320	56.3	54.3
20 to 24 years	1,207	1,211	81.6	80.0	1,020	1,016	78.9	77.1
25 to 54 years	4,360	4,471	88.9	87.9	4,178	4,279	88.5	87.5
25 to 34 years	2,013	2,080	91.0	89.1	1,881	1,938	90.4	88.4
35 to 44 years	1,295	1,334	90.0	89.9	1,249	1,289	89.7	89.6
45 to 54 years	1,052	1,056	83.9	83.5	1,047	1,052	83.9	83.4
55 to 64 years	611	627	63.5	63.2	611	626	63.5	63.2
55 to 59 years	380	390	71.4	72.0	380	390	71.4	72.0
60 to 64 years	231	237	53.6	52.6	231	237	53.6	52.6
65 years and over	173	170	17.5	16.8	173	170	17.5	16.8

# HOUSEHOLD DATA ANNUAL AVERAGES

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	1980	1981	1980	1981	1980	1981	1980	1981
<b>FEMALES</b>								
16 years and over	44,733	45,937	51.7	52.3	44,574	45,760	51.6	52.2
16 to 19 years	4,358	4,189	53.3	52.3	4,331	4,160	53.1	52.1
16 to 17 years	1,740	1,648	43.8	42.6	1,739	1,647	43.8	42.6
18 to 19 years	2,618	2,541	62.3	61.3	2,592	2,513	62.1	61.1
20 to 24 years	7,170	7,309	69.2	69.9	7,093	7,224	69.0	69.7
25 to 54 years	27,468	28,637	64.0	65.3	27,415	28,574	63.9	65.3
25 to 34 years	11,890	12,544	65.5	66.8	11,842	12,487	65.4	66.7
35 to 44 years	8,605	9,024	65.5	66.9	8,601	9,019	65.5	66.8
45 to 54 years	6,973	7,070	59.9	61.1	6,972	7,069	59.9	61.1
55 to 64 years	4,591	4,644	41.5	41.5	4,591	4,644	41.5	41.5
55 to 59 years	2,871	2,919	48.6	49.4	2,870	2,919	48.6	49.4
60 to 64 years	1,721	1,725	33.3	32.7	1,721	1,725	33.3	32.7
65 years and over	1,144	1,158	8.1	8.1	1,144	1,158	8.1	8.1
<b>White</b>								
16 years and over	38,662	39,687	51.4	52.1	38,544	39,559	51.3	52.0
16 to 19 years	3,878	3,728	56.6	55.7	3,858	3,707	56.4	55.6
16 to 17 years	1,569	1,486	47.3	46.2	1,568	1,486	47.3	46.2
18 to 19 years	2,309	2,241	65.3	64.5	2,290	2,222	65.1	64.3
20 to 24 years	6,191	6,307	70.8	71.7	6,134	6,245	70.6	71.5
25 to 54 years	23,503	24,508	63.5	65.0	23,462	24,461	63.4	64.9
25 to 34 years	10,053	10,631	64.8	66.5	10,017	10,589	64.7	66.4
35 to 44 years	7,385	7,734	65.1	66.4	7,381	7,730	65.0	66.4
45 to 54 years	6,066	6,144	59.6	61.0	6,065	6,143	59.6	61.0
55 to 64 years	4,076	4,114	41.0	41.1	4,076	4,114	41.0	41.1
55 to 59 years	2,543	2,594	48.1	49.2	2,543	2,594	48.1	49.2
60 to 64 years	1,533	1,520	33.0	32.1	1,533	1,520	33.0	32.1
65 years and over	1,014	1,031	8.0	7.9	1,014	1,031	8.0	7.9
<b>Black and other</b>								
16 years and over	6,071	6,250	53.6	53.7	6,029	6,201	53.4	53.5
16 to 19 years	480	461	36.3	34.9	473	453	35.9	34.5
16 to 17 years	171	162	26.1	24.7	171	161	26.0	24.7
18 to 19 years	309	299	46.4	44.8	302	291	45.8	44.1
20 to 24 years	979	1,003	60.5	60.7	959	978	60.0	60.1
25 to 54 years	3,965	4,129	67.1	67.4	3,952	4,112	67.1	67.3
25 to 34 years	1,837	1,913	69.5	68.7	1,825	1,898	69.3	68.6
35 to 44 years	1,220	1,290	68.2	69.7	1,220	1,289	68.1	69.7
45 to 54 years	908	926	61.7	62.1	908	926	61.7	62.1
55 to 64 years	515	530	45.0	44.9	515	530	45.0	44.9
55 to 59 years	328	325	52.5	50.8	328	325	52.5	50.8
60 to 64 years	187	205	36.0	37.9	187	205	36.0	37.9
65 years and over	130	127	9.8	9.3	130	127	9.8	9.3

5. Employment status of black workers by sex and age

[Numbers in thousands]

Sex and age	1981						Not in labor force	
	Civilian labor force					Total		
	Total	Employed			Unemployed			
		Total	Agri-culture	Nonagri-cultural indus-tries	Number			Percent of labor force
<b>TOTAL</b>								
16 years and over .....	10,810	9,134	177	8,957	1,676	15.5	6,998	
16 to 19 years .....	834	487	16	472	346	41.5	1,393	
16 to 17 years .....	303	167	6	161	136	44.9	842	
18 to 19 years .....	530	320	10	310	210	39.6	552	
20 to 24 years .....	1,724	1,266	18	1,248	457	26.5	775	
25 to 54 years .....	6,998	6,198	99	6,099	799	11.4	2,137	
25 to 34 years .....	3,189	2,720	29	2,691	469	14.7	884	
35 to 44 years .....	2,158	1,951	36	1,914	208	9.6	596	
45 to 54 years .....	1,651	1,528	34	1,494	123	7.5	657	
55 to 64 years .....	1,000	945	25	920	55	5.5	887	
55 to 59 years .....	609	574	14	560	35	5.7	402	
60 to 64 years .....	392	371	11	360	20	5.1	485	
65 years and over .....	254	237	19	217	18	7.0	1,805	
<b>Males</b>								
16 years and over .....	5,559	4,697	156	4,541	862	15.5	2,419	
16 to 19 years .....	445	262	13	250	181	40.7	633	
16 to 17 years .....	166	94	5	89	72	43.4	405	
18 to 19 years .....	278	169	8	160	109	39.2	229	
20 to 24 years .....	877	643	16	627	232	26.5	231	
25 to 54 years .....	3,565	3,162	87	3,075	402	11.3	515	
25 to 34 years .....	1,601	1,369	26	1,343	232	14.5	200	
35 to 44 years .....	1,083	982	30	951	102	9.4	130	
45 to 54 years .....	882	812	31	782	69	7.8	186	
55 to 64 years .....	535	501	23	478	33	6.2	325	
55 to 59 years .....	328	307	13	294	21	6.4	136	
60 to 64 years .....	207	194	10	184	12	5.8	189	
65 years and over .....	137	127	17	109	11	8.0	712	
<b>Females</b>								
16 years and over .....	5,251	4,437	21	4,416	814	15.5	4,579	
16 to 19 years .....	389	225	3	222	165	42.3	760	
16 to 17 years .....	137	73	1	72	64	46.6	437	
18 to 19 years .....	252	151	2	150	101	40.0	323	
20 to 24 years .....	847	623	2	621	225	26.5	544	
25 to 54 years .....	3,433	3,036	12	3,024	397	11.6	1,622	
25 to 34 years .....	1,588	1,351	3	1,348	237	14.9	684	
35 to 44 years .....	1,075	969	6	963	106	9.9	466	
45 to 54 years .....	769	716	3	712	54	7.0	471	
55 to 64 years .....	465	444	2	442	22	4.7	562	
55 to 59 years .....	281	267	1	266	14	4.9	266	
60 to 64 years .....	185	177	1	176	8	4.3	296	
65 years and over .....	117	110	2	108	7	6.0	1,093	

# HOUSEHOLD DATA ANNUAL AVERAGES

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

(Numbers in thousands)

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	1980	1981	1980	1981	1980	1981	1980	1981
<b>TOTAL</b>								
Total noninstitutional population	166,246	168,578	71,271	72,534	78,426	79,831	16,549	16,213
Total labor force	106,821	108,535	56,898	57,630	40,374	41,748	9,549	9,156
Percent of population	64.3	64.4	79.8	79.5	51.5	52.3	57.7	56.5
Civilian labor force	104,719	106,393	55,234	55,945	40,243	41,600	9,242	8,848
Employed	97,270	98,313	51,972	52,424	37,696	38,774	7,603	7,115
Agriculture	3,310	3,312	2,355	2,342	575	595	380	375
Nonagricultural industries	93,960	95,001	49,617	50,082	37,120	38,179	7,223	6,740
Unemployed	7,448	8,080	3,261	3,521	2,547	2,826	1,640	1,733
Percent of labor force	7.1	7.6	5.9	6.3	6.3	6.8	17.7	19.6
Not in labor force	59,425	60,043	14,373	14,904	38,052	38,083	7,000	7,057
<b>White</b>								
Total noninstitutional population	145,281	147,022	62,936	63,934	68,425	69,505	13,920	13,583
Total labor force	93,795	95,229	50,547	51,152	34,784	35,959	8,464	8,117
Percent of population	64.6	64.8	80.3	80.0	50.8	51.7	60.8	59.8
Civilian labor force	92,171	93,586	49,252	49,854	34,686	35,851	8,233	7,881
Employed	86,380	87,340	46,671	47,078	32,755	33,742	6,955	6,520
Agriculture	3,052	3,073	2,154	2,156	540	562	358	356
Nonagricultural industries	83,329	84,267	44,517	44,922	32,215	33,180	6,597	6,164
Unemployed	5,790	6,246	2,581	2,776	1,931	2,109	1,278	1,361
Percent of labor force	6.3	6.7	5.2	5.6	5.6	5.9	15.5	17.3
Not in labor force	51,486	51,793	12,389	12,782	33,641	33,545	5,456	5,466
<b>Black and other</b>								
Total noninstitutional population	20,964	21,556	8,335	8,600	10,001	10,326	2,629	2,630
Total labor force	13,026	13,306	6,351	6,478	5,590	5,789	1,085	1,039
Percent of population	62.1	61.7	76.2	75.3	55.9	56.1	41.3	39.5
Civilian labor force	12,548	12,807	5,982	6,091	5,557	5,748	1,009	967
Employed	10,890	10,973	5,301	5,346	4,941	5,031	648	595
Agriculture	258	239	201	187	36	33	22	19
Nonagricultural industries	10,632	10,735	5,101	5,160	4,905	4,998	626	576
Unemployed	1,658	1,833	681	745	616	717	361	372
Percent of labor force	13.2	14.3	11.4	12.2	11.1	12.5	35.8	38.4
Not in labor force	7,939	8,250	1,984	2,122	4,411	4,537	1,544	1,591



# HOUSEHOLD DATA ANNUAL AVERAGES

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

[Numbers in thousands]

Employment status and major activity	1981								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
<b>TOTAL</b>									
Total noninstitutional population .....	24,757	12,513	12,244	20,812	10,561	10,251	3,945	1,952	1,993
Total labor force .....	15,576	8,520	7,056	13,672	7,455	6,217	1,904	1,065	838
Percent of population .....	62.9	68.1	57.6	65.7	70.6	60.7	48.3	54.6	42.1
Civilian labor force .....	14,858	7,871	6,987	13,132	6,963	6,169	1,726	908	818
Employed .....	12,293	6,454	5,838	11,163	5,857	5,306	1,129	598	532
Agriculture .....	551	459	93	523	434	89	29	25	4
Nonagricultural industries .....	11,741	5,996	5,746	10,641	5,423	5,217	1,101	572	528
Unemployed .....	2,566	1,417	1,149	1,969	1,106	863	597	310	286
Looking for full-time work .....	1,696	969	726	1,264	740	525	431	230	202
Looking for part-time work .....	870	447	423	705	366	338	165	81	84
Percent of labor force .....	17.3	18.0	16.4	15.0	15.9	14.0	34.6	34.2	35.0
Not in labor force .....	9,181	3,992	5,189	7,140	3,106	4,034	2,041	886	1,155
Major activity: going to school									
Civilian labor force .....	3,404	1,760	1,644	3,055	1,580	1,475	348	180	168
Employed .....	2,681	1,363	1,318	2,484	1,262	1,222	197	102	96
Agriculture .....	117	97	20	114	95	19	3	3	--
Nonagricultural industries .....	2,564	1,266	1,298	2,370	1,167	1,203	194	99	95
Unemployed .....	722	396	326	571	318	253	151	78	72
Looking for full-time work .....	114	63	51	78	44	33	36	19	18
Looking for part-time work .....	608	333	275	494	274	220	115	60	55
Percent of labor force .....	21.2	22.5	19.8	18.7	20.1	17.2	43.3	43.5	43.1
Not in labor force .....	6,108	3,020	3,087	4,777	2,385	2,392	1,331	636	695
Major activity: other									
Civilian labor force .....	11,455	6,111	5,343	10,077	5,383	4,693	1,378	728	650
Employed .....	9,611	5,091	4,520	8,679	4,595	4,084	932	496	436
Agriculture .....	434	361	73	409	339	70	25	22	3
Nonagricultural industries .....	9,177	4,730	4,447	8,270	4,256	4,014	907	474	433
Unemployed .....	1,843	1,020	823	1,398	788	609	446	232	214
Looking for full-time work .....	1,582	906	676	1,187	695	491	395	211	184
Looking for part-time work .....	261	114	148	211	93	118	50	21	29
Percent of labor force .....	16.1	16.7	15.4	13.9	14.6	13.0	32.4	31.9	32.9
Not in labor force .....	3,073	972	2,102	2,363	721	1,641	711	251	460

# HOUSEHOLD DATA ANNUAL AVERAGES

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

[Numbers in thousands]

Sex, age, and race	1981								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time <sup>1</sup>	Unemployed (looking for part-time work)	
		Full-time schedules <sup>1</sup>	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
<b>TOTAL</b>									
Both sexes, 16 years and over	90,922	79,634	4,658	6,631	7.3	15,470	14,022	1,449	9.4
16 to 21 years	9,572	6,674	1,202	1,696	17.7	5,286	4,416	870	16.5
16 to 19 years	4,665	2,910	765	990	21.2	4,184	3,441	743	17.8
16 to 17 years	1,061	524	266	271	25.5	2,491	1,999	492	19.7
18 to 19 years	3,603	2,385	498	720	20.0	1,693	1,442	251	14.8
20 years and over	86,258	76,724	3,893	5,641	6.5	11,287	10,581	706	6.3
20 to 24 years	13,422	10,795	944	1,682	12.5	2,122	1,899	223	10.5
25 years and over	72,837	65,929	2,948	3,958	5.4	9,165	8,681	484	5.3
25 to 54 years	60,987	55,028	2,408	3,549	5.8	6,274	5,914	360	5.7
55 years and over	11,850	10,901	540	409	3.5	2,891	2,768	124	4.3
<b>Males, 16 years and over</b>	<b>55,764</b>	<b>49,683</b>	<b>2,222</b>	<b>3,859</b>	<b>6.9</b>	<b>4,869</b>	<b>4,263</b>	<b>606</b>	<b>12.4</b>
16 to 21 years	5,360	3,788	602	969	18.1	2,511	2,064	447	17.8
16 to 19 years	2,630	1,691	386	553	21.0	2,059	1,667	392	19.0
20 years and over	53,134	47,991	1,837	3,306	6.2	2,810	2,596	214	7.6
20 to 24 years	7,496	6,013	475	1,008	13.4	824	731	92	11.2
25 years and over	45,639	41,978	1,362	2,299	5.0	1,987	1,865	121	6.1
25 to 54 years	37,893	34,747	1,097	2,049	5.4	793	734	59	7.4
55 years and over	7,746	7,231	266	250	3.2	1,194	1,132	62	5.2
<b>Females, 16 years and over</b>	<b>35,159</b>	<b>29,951</b>	<b>2,435</b>	<b>2,772</b>	<b>7.9</b>	<b>10,601</b>	<b>9,758</b>	<b>843</b>	<b>7.9</b>
16 to 21 years	4,213	2,886	600	726	17.2	2,775	2,352	423	15.2
16 to 19 years	2,035	1,219	379	438	21.5	2,125	1,774	351	16.5
20 years and over	33,123	28,733	2,056	2,334	7.0	8,476	7,984	492	5.8
20 to 24 years	5,926	4,782	469	675	11.4	1,298	1,168	130	10.0
25 years and over	27,197	23,951	1,587	1,659	6.1	7,179	6,817	362	5.0
25 to 54 years	23,094	20,281	1,312	1,500	6.5	5,481	5,180	301	5.5
55 years and over	4,103	3,670	275	159	3.9	1,698	1,637	62	3.7
<b>White</b>									
Males, 16 years and over	49,668	44,753	1,882	3,032	6.1	4,360	3,869	491	11.3
16 to 21 years	4,701	3,445	516	740	15.7	2,263	1,896	366	16.2
16 to 19 years	2,317	1,561	332	424	18.3	1,856	1,533	323	17.4
20 years and over	47,350	43,192	1,550	2,608	5.5	2,503	2,335	168	6.7
20 to 24 years	6,569	5,392	404	773	11.8	735	661	74	10.0
25 years and over	40,782	37,800	1,147	1,835	4.5	1,769	1,674	94	5.3
25 to 54 years	33,724	31,178	921	1,624	4.8	684	639	45	6.6
55 years and over	7,058	6,621	226	211	3.0	1,085	1,036	49	4.5
Females, 16 years and over	29,871	25,841	2,006	2,023	6.8	9,688	8,989	700	7.2
16 to 21 years	3,657	2,607	525	525	14.3	2,512	2,174	338	13.5
16 to 19 years	1,781	1,111	337	332	18.6	1,927	1,645	282	14.6
20 years and over	28,090	24,730	1,669	1,691	6.0	7,761	7,343	418	5.4
20 to 24 years	5,071	4,217	392	462	9.1	1,175	1,071	104	8.8
25 years and over	23,019	20,513	1,277	1,229	5.3	6,586	6,273	313	4.8
25 to 54 years	19,384	17,230	1,060	1,094	5.6	5,078	4,817	261	5.1
55 years and over	3,635	3,283	216	136	3.7	1,508	1,456	52	3.4
<b>Black and other</b>									
Males, 16 years and over	6,096	4,930	340	827	13.6	509	395	115	22.6
16 to 21 years	659	344	86	230	34.8	248	168	81	32.5
16 to 19 years	312	130	54	128	41.0	202	134	69	34.0
20 years and over	5,784	4,799	286	699	12.1	307	261	46	15.0
20 to 24 years	927	621	71	235	25.3	89	70	19	21.0
25 years and over	4,857	4,178	215	464	9.6	218	190	27	12.4
25 to 54 years	4,169	3,568	176	424	10.2	110	95	14	12.7
55 years and over	687	610	39	40	5.8	108	95	13	12.0
Females, 16 years and over	5,288	4,110	429	749	14.2	913	770	143	15.7
16 to 21 years	556	279	75	202	36.3	263	178	84	32.2
16 to 19 years	254	107	41	106	41.6	198	129	69	34.9
20 years and over	5,033	4,003	388	643	12.8	715	641	74	10.4
20 to 24 years	855	565	77	213	24.9	123	97	26	21.4
25 years and over	4,178	3,438	310	430	10.3	591	544	47	8.0
25 to 54 years	3,710	3,051	251	407	11.0	402	363	39	9.7
55 years and over	468	387	59	23	4.9	189	181	8	4.2

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

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## 9. Employment status of the noninstitutional population by family relationship

(Numbers in thousands)

Family relationship	1981									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
<b>Total, 16 years and over</b> .....	106,393	63.9	98,313	8,080	7.6	60,043	31,572	7,549	2,646	18,277
Husbands .....	38,951	80.5	37,317	1,634	4.2	9,454	129	178	967	8,180
With employed wife .....	21,258	91.8	20,442	816	3.8	1,899	43	101	335	1,420
With unemployed wife .....	1,310	92.7	1,137	173	13.2	103	4	6	25	67
With wife not in labor force .....	16,383	68.7	15,738	645	3.9	7,452	82	71	607	6,693
Wives .....	24,570	50.8	23,157	1,413	5.8	23,835	21,266	291	299	1,979
With employed husband .....	21,579	57.8	20,442	1,137	5.3	15,738	14,513	242	110	874
With unemployed husband .....	990	60.5	816	173	17.5	645	590	14	6	35
With husband not in labor force .....	2,002	21.2	1,899	103	5.1	7,452	6,163	35	183	1,070
Relatives in married-couple families .....	13,390	62.9	11,433	1,957	14.6	7,889	878	4,754	281	1,977
16 to 19 years .....	6,060	56.2	5,048	1,012	16.7	4,715	163	3,646	16	890
20 to 24 years .....	4,931	76.5	4,264	667	13.5	1,519	136	1,017	27	339
25 years and over .....	2,399	59.2	2,121	278	11.6	1,655	579	91	238	748
Females who maintain families .....	5,468	60.0	4,902	566	10.4	3,639	2,827	125	132	555
Relatives in families maintained by females .....	4,503	56.5	3,509	995	22.1	3,469	810	1,341	238	1,079
16 to 19 years .....	1,377	47.7	927	450	32.7	1,511	118	1,054	4	335
20 to 24 years .....	1,423	72.4	1,097	325	22.9	542	120	236	20	166
25 years and over .....	1,703	54.6	1,485	220	12.9	1,416	572	51	214	578
Males who maintain families .....	1,788	75.9	1,658	130	7.2	568	29	29	66	445
Relatives in families maintained by males .....	1,423	59.0	1,209	214	15.0	990	412	247	58	273
16 to 19 years .....	333	57.8	256	77	23.2	243	21	173	2	47
20 to 24 years .....	412	77.4	345	67	16.3	120	32	56	2	29
25 years and over .....	678	52.0	608	70	10.3	627	359	18	54	197
Persons living alone .....	10,068	53.8	9,504	564	5.6	8,660	4,769	184	502	3,205
Males .....	5,251	71.7	4,895	356	6.8	2,078	114	114	217	1,633
Females .....	4,817	42.3	4,609	208	4.3	6,582	4,654	71	285	1,573
All others <sup>1</sup> .....	6,232	80.2	5,624	607	9.7	1,539	452	400	103	584

<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.

## 10. Unemployed persons by marital status, race, age, and sex

Marital status, race, and age	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	1980	1981	1980	1981	1980	1981	1980	1981
<b>Total, 16 years and over</b> .....	4,157	4,465	6.9	7.4	3,291	3,615	7.4	7.9
Married, spouse present .....	1,674	1,730	4.2	4.3	1,417	1,481	5.8	5.9
Widowed, divorced, or separated .....	428	486	8.6	9.1	610	728	7.2	8.1
Single (never married) .....	2,055	2,249	13.6	14.6	1,265	1,405	10.9	11.9
<b>White, 16 years and over</b> .....	3,289	3,523	6.1	6.5	2,501	2,723	6.5	6.9
Married, spouse present .....	1,426	1,453	3.9	4.0	1,209	1,252	5.5	5.6
Widowed, divorced, or separated .....	311	361	7.6	8.3	436	521	6.4	7.2
Single (never married) .....	1,552	1,709	11.9	12.9	856	950	8.8	9.5
<b>Black and other, 16 years and over</b> .....	868	942	13.3	14.3	790	892	13.1	14.4
Married, spouse present .....	248	276	7.0	7.8	208	229	8.1	9.0
Widowed, divorced, or separated .....	117	125	13.1	13.0	174	207	10.6	11.8
Single (never married) .....	503	540	23.9	25.4	409	456	22.3	24.0
<b>Total, 20 to 64 years of age</b> .....	3,203	3,466	6.0	6.4	2,511	2,784	6.4	6.9
Married, spouse present .....	1,603	1,669	4.2	4.4	1,326	1,399	5.6	5.8
Widowed, divorced, or separated .....	415	473	8.8	9.3	577	684	7.4	8.3
Single (never married) .....	1,185	1,323	11.4	12.2	610	701	8.0	8.8
<b>White, 20 to 64 years of age</b> .....	2,538	2,735	5.3	5.7	1,901	2,074	5.6	6.0
Married, spouse present .....	1,369	1,403	3.9	4.0	1,127	1,179	5.3	5.4
Widowed, divorced, or separated .....	302	352	7.8	8.5	409	485	6.6	7.4
Single (never married) .....	867	979	9.8	10.6	365	410	5.9	6.3
<b>Black and other, 20 to 64 years of age</b> .....	666	731	11.5	12.3	610	710	11.2	12.6
Married, spouse present .....	235	265	6.9	7.8	198	220	8.0	8.9
Widowed, divorced, or separated .....	113	122	13.2	13.3	167	199	10.7	11.9
Single (never married) .....	317	345	20.2	21.4	244	291	17.6	19.9

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## 11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	1980	1981	1980	1981	1980	1981	1980	1981
Total, 16 years and over	7,448	8,080	7.1	7.6	6.9	7.4	7.4	7.9
White-collar workers	1,951	2,174	3.7	4.0	2.7	2.8	4.6	5.0
Professional and technical	395	458	2.5	2.8	2.0	2.2	3.0	3.4
Managers and administrators, except farm	270	311	2.4	2.7	2.0	2.1	3.5	4.1
Sales workers	283	302	4.4	4.6	3.5	3.4	5.4	5.9
Clerical workers	1,004	1,104	5.3	5.7	4.8	5.1	5.4	5.9
Blue-collar workers	3,414	3,525	10.0	10.3	9.4	9.8	12.6	12.7
Craft and kindred workers	884	1,000	6.6	7.5	6.6	7.5	6.9	6.4
Carpenters and other construction workers	450	511	10.6	12.4	10.6	12.3	(1)	13.0
All other	434	489	4.7	5.3	4.6	5.2	6.4	5.8
Operatives, except transport	1,436	1,430	12.2	12.2	11.0	10.9	13.9	14.0
Transport equipment operatives	335	323	8.8	8.7	8.9	8.8	7.7	7.5
Nonfarm laborers	760	772	14.6	14.7	14.8	14.8	12.6	14.1
Construction laborers	220	233	21.6	23.1	21.4	22.9	(1)	(1)
All other	540	539	12.9	12.7	13.0	12.6	11.6	13.4
Service workers	1,107	1,274	7.9	8.8	8.1	9.2	7.7	8.6
Private household	51	53	4.7	4.9	(1)	(1)	4.6	4.9
All other	1,056	1,221	8.1	9.1	8.1	9.3	8.1	9.1
Farm workers	125	147	4.4	5.1	3.7	4.5	7.4	8.1
No previous work experience	852	960	--	--	--	--	--	--
16 to 19 years	633	717	--	--	--	--	--	--
20 to 24 years	140	158	--	--	--	--	--	--
25 years and over	80	85	--	--	--	--	--	--

<sup>1</sup> Percent not shown where base is less than 35,000.

## 12. Unemployed persons by industry and sex

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	1980	1981	1980	1981	1980	1981	1980	1981
Total, 16 years and over	100.0	100.0	7.1	7.6	6.9	7.4	7.4	7.9
Nonagricultural private wage and salary workers	75.8	74.5	7.4	7.7	7.4	7.7	7.3	7.7
Mining	.8	.8	6.5	6.1	6.8	6.4	4.5	4.2
Construction	9.7	9.8	14.2	15.7	14.7	16.1	8.8	11.1
Manufacturing	26.2	23.2	8.5	8.2	7.4	7.1	10.7	10.6
Durable goods	16.6	13.8	8.9	8.1	8.2	7.4	10.9	10.2
Lumber and wood products	1.2	1.0	13.3	12.5	13.5	11.9	11.8	16.3
Furniture and fixtures	.7	.6	9.0	8.6	8.5	7.2	10.0	11.6
Stone, clay, and glass products	.8	.7	9.2	8.6	8.3	8.0	13.1	10.8
Primary metal industries	1.7	1.3	9.7	8.5	9.4	8.2	12.0	10.3
Fabricated metal products	2.1	1.8	9.9	9.6	8.6	8.9	14.3	11.9
Machinery, except electrical equipment	2.2	2.1	5.6	5.8	5.1	5.3	7.1	7.7
Electrical equipment	2.2	2.1	6.8	6.7	4.8	4.5	9.3	9.5
Transportation equipment	4.3	2.9	13.6	10.5	12.8	10.0	17.3	12.5
Automobiles	3.5	2.1	20.3	14.6	18.8	13.2	27.7	21.6
Other transportation equipment	.8	.8	5.7	6.0	5.8	6.3	5.5	4.3
Instruments and related products	.4	.4	4.9	5.1	3.0	3.6	7.2	7.2
Other durable goods industries	.9	.9	9.2	9.2	6.0	6.9	13.6	12.6
Nondurable goods	9.6	9.4	7.9	8.4	5.9	6.4	10.6	11.0
Food and kindred products	2.3	2.4	8.9	10.1	6.8	7.9	13.4	15.0
Textile mill products	.9	1.0	8.3	10.5	6.3	9.9	10.3	11.0
Apparel and other textile products	2.1	1.9	11.5	11.4	8.9	9.0	12.2	12.1
Paper and allied products	.7	.5	6.9	5.3	5.8	3.9	10.4	9.9
Printing and publishing	1.2	1.0	5.8	5.4	5.0	4.5	7.0	6.5
Chemicals and allied products	.8	.8	4.5	5.1	3.6	4.0	6.9	7.8
Rubber and plastics products	1.0	1.0	9.6	10.8	8.1	9.0	12.4	14.0
Other nondurable goods industries	.6	.7	7.0	8.9	4.7	6.6	10.2	11.5
Transportation and public utilities	3.7	3.7	4.9	5.2	5.1	5.7	4.4	3.9
Railroads and railway express	.4	.4	4.6	6.1	4.6	6.2	4.4	4.7
Other transportation	2.6	2.6	7.5	7.7	7.7	8.2	6.6	6.0
Communication and other public utilities	.7	.7	2.2	2.3	1.7	2.1	3.1	2.4
Wholesale and retail trade	18.9	19.4	7.4	8.0	6.6	7.1	8.3	9.0
Finance, insurance, and real estate	2.5	2.4	3.4	3.5	3.2	3.0	3.5	3.8
Service industries	14.0	15.2	5.9	6.6	6.2	6.9	5.7	6.4
Professional services	5.6	6.3	4.1	4.7	3.5	4.0	4.3	5.0
All other service industries	8.4	8.9	8.5	9.3	8.7	9.6	8.4	9.1
Agricultural wage and salary workers	2.3	2.4	10.8	12.0	9.7	10.9	15.1	15.8
All other classes of workers	10.6	11.2	3.1	3.5	2.7	3.1	3.5	4.0
No previous work experience	11.4	11.9	--	--	--	--	--	--

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

Reason for unemployment	Total unemployed		Males, 20 years and over		Females, 20 years and over		Both sexes, 16 to 19 years		White		Black and other	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
<b>UNEMPLOYMENT LEVEL</b>												
Total unemployed, in thousands...	7,448	8,080	3,261	3,521	2,547	2,826	1,640	1,733	5,790	6,246	1,658	1,833
Job losers	3,860	4,178	2,334	2,508	1,144	1,291	383	380	3,056	3,290	804	888
On layoff	1,471	1,412	926	881	444	439	102	93	1,235	1,196	237	216
Other job losers	2,389	2,766	1,408	1,627	700	852	281	287	1,821	2,094	567	672
Job leavers	863	894	345	342	365	393	153	159	717	741	146	153
Reentrants	1,875	2,048	498	573	905	997	472	478	1,421	1,539	453	510
New entrants	851	959	85	97	134	146	632	717	595	676	256	283
<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	51.9	51.7	71.6	71.2	44.9	45.6	23.3	21.9	52.8	52.7	48.5	48.5
On layoff	19.8	17.5	28.4	25.0	17.4	15.5	6.2	5.3	21.3	19.2	14.3	11.8
Other job losers	32.1	34.2	43.2	46.2	27.5	30.1	17.1	16.6	31.5	33.5	34.2	36.7
Job leavers	11.6	11.1	10.6	9.7	14.3	13.9	9.4	9.2	12.4	11.9	8.8	8.3
Reentrants	25.2	25.4	15.3	16.3	35.5	35.3	28.8	27.6	24.5	24.6	27.3	27.8
New entrants	11.4	11.9	2.6	2.7	5.3	5.2	38.5	41.3	10.3	10.8	15.4	15.4
<b>UNEMPLOYMENT RATE</b>												
Total unemployment rate	7.1	7.6	5.9	6.3	6.3	6.8	17.7	19.6	6.3	6.7	13.2	14.3
Job losers rate <sup>1</sup>	3.7	3.9	4.2	4.5	2.8	3.1	4.1	4.2	3.3	3.5	6.4	6.9
On layoff	.8	.8	.6	.6	.9	.9	1.7	1.8	.8	.8	1.2	1.2
Other job losers	1.8	1.9	.9	1.0	2.2	2.4	5.1	5.4	1.5	1.6	3.6	4.0
Job leavers rate <sup>1</sup>	.8	.9	.2	.2	.3	.3	6.8	8.1	.6	.7	2.0	2.2

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

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

(Percent distribution)

Reason, sex, and age	1981						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
<b>Total, 16 years and over</b>	<b>8,080</b>	<b>100.0</b>	<b>41.6</b>	<b>30.7</b>	<b>27.7</b>	<b>13.6</b>	<b>14.1</b>
Job losers	4,178	100.0	34.8	30.9	34.2	16.0	18.2
On layoff	1,412	100.0	46.5	28.6	24.9	12.4	12.5
Other job losers	2,766	100.0	28.9	32.1	39.0	17.9	21.1
Job leavers	894	100.0	45.1	31.7	23.2	12.1	11.1
Reentrants	2,048	100.0	50.0	30.1	19.8	10.6	9.3
New entrants	959	100.0	49.7	29.7	20.6	10.7	9.9
<b>Males, 20 years and over</b>	<b>3,521</b>	<b>100.0</b>	<b>34.7</b>	<b>30.5</b>	<b>34.8</b>	<b>15.4</b>	<b>19.4</b>
Job losers	2,508	100.0	32.3	30.6	37.1	16.3	20.8
On layoff	881	100.0	43.8	29.0	27.2	13.9	13.4
Other job losers	1,627	100.0	26.0	31.5	42.5	17.6	24.9
Job leavers	342	100.0	39.4	31.0	29.6	13.3	16.4
Reentrants	573	100.0	41.5	30.6	27.9	13.3	14.6
New entrants	97	100.0	40.7	25.0	34.3	13.6	20.7
<b>Females, 20 years and over</b>	<b>2,826</b>	<b>100.0</b>	<b>43.7</b>	<b>30.9</b>	<b>25.4</b>	<b>13.2</b>	<b>12.2</b>
Job losers	1,291	100.0	35.2	31.7	33.2	16.8	16.4
On layoff	439	100.0	47.8	28.7	23.5	11.1	12.4
Other job losers	852	100.0	28.7	33.2	38.2	19.8	18.4
Job leavers	393	100.0	45.0	33.1	21.8	12.2	9.6
Reentrants	997	100.0	53.7	29.4	16.9	9.3	7.6
New entrants	146	100.0	47.6	28.0	24.4	11.5	12.8
<b>Both sexes, 16 to 19 years</b>	<b>1,733</b>	<b>100.0</b>	<b>52.0</b>	<b>30.8</b>	<b>17.2</b>	<b>10.4</b>	<b>6.8</b>
Job losers	380	100.0	50.6	30.7	18.7	11.8	6.9
On layoff	93	100.0	66.9	24.2	8.9	4.7	4.2
Other job losers	287	100.0	45.4	32.7	21.9	14.1	7.7
Job leavers	159	100.0	57.5	29.6	12.9	9.3	3.6
Reentrants	478	100.0	52.5	31.3	16.2	10.0	6.2
New entrants	717	100.0	51.3	30.7	18.0	10.1	7.8

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

Sex, age, and race	1981								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> .....	8,080	6,557	26.8	6.1	74.0	32.2	14.4	5.4	1.59
16 to 19 years .....	1,733	1,621	17.9	3.1	80.3	25.9	12.8	3.8	1.44
20 to 24 years .....	1,905	1,590	31.5	5.8	75.2	33.3	14.3	3.9	1.64
25 to 34 years .....	2,132	1,638	30.0	7.4	71.9	36.4	14.7	5.6	1.66
35 to 44 years .....	1,059	794	29.3	8.4	70.9	33.9	15.5	6.8	1.65
45 to 54 years .....	717	520	28.7	8.3	68.8	34.4	14.4	7.7	1.62
55 to 64 years .....	436	312	25.0	6.4	65.7	30.8	17.9	10.3	1.56
65 years and over .....	97	80	15.0	5.0	61.2	26.2	16.2	10.0	1.34
<b>Males, 16 years and over</b> .....	4,465	3,462	28.9	6.0	74.9	29.8	16.5	6.7	1.63
16 to 19 years .....	944	872	18.2	3.0	81.5	24.2	14.7	3.7	1.45
20 to 24 years .....	1,100	882	33.8	5.8	75.3	32.3	17.0	4.6	1.69
25 to 34 years .....	1,169	836	34.4	7.9	72.8	34.3	16.7	7.4	1.74
35 to 44 years .....	545	375	32.5	8.0	72.8	30.7	17.3	9.3	1.71
45 to 54 years .....	394	267	30.3	7.9	71.9	28.1	17.6	11.2	1.67
55 to 64 years .....	258	183	25.7	7.1	63.4	27.3	18.0	14.8	1.56
65 years and over .....	55	47	10.6	4.3	63.8	21.3	17.0	12.8	1.30
<b>Females, 16 years and over</b> .....	3,615	3,095	24.4	6.2	72.9	34.9	12.1	3.8	1.54
16 to 19 years .....	789	749	17.5	3.3	79.0	27.9	10.7	4.0	1.42
20 to 24 years .....	805	708	28.7	5.9	75.1	34.5	10.9	3.0	1.58
25 to 34 years .....	963	802	25.4	6.9	70.7	38.7	12.6	3.7	1.58
35 to 44 years .....	514	420	26.4	8.8	69.0	36.7	13.8	4.5	1.59
45 to 54 years .....	323	253	26.9	8.3	65.6	41.1	11.1	4.0	1.57
55 to 64 years .....	178	130	23.8	6.2	68.5	35.4	17.7	4.6	1.56
65 years and over .....	42	33	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>White, 16 years and over</b> .....	6,246	4,950	24.6	6.2	74.9	34.0	14.3	5.3	1.59
Males .....	3,523	2,661	26.8	6.2	75.8	31.6	16.4	6.8	1.64
Females .....	2,723	2,290	22.1	6.3	73.9	36.9	11.9	3.5	1.55
<b>Black and other, 16 years and over</b> .....	1,833	1,607	33.5	5.6	71.0	26.5	14.6	5.5	1.57
Males .....	942	801	36.1	5.6	72.2	23.8	16.7	6.2	1.61
Females .....	892	806	30.9	5.6	69.9	29.2	12.5	4.8	1.53

<sup>1</sup> Percent not shown where base is less than 35,000.

to begin a new wage and salary job within 30 days are not actually seeking jobs. It should also be noted that the percent using each method will always total more than 100 because many jobseekers use more than one method.

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or waiting

## 16. Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used

Sex and reason	1981								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> .....	8,080	6,557	26.8	6.1	74.0	32.2	14.4	5.4	1.59
Job losers .....	4,178	2,769	33.6	6.9	74.5	33.4	16.3	6.1	1.71
Job leavers .....	894	892	26.5	7.3	74.1	37.7	14.0	3.3	1.63
Reentrants .....	2,048	1,946	22.3	5.6	71.0	31.7	12.7	5.9	1.49
New entrants .....	959	950	16.5	3.6	78.5	24.4	12.9	4.2	1.40
<b>Males, 16 years and over</b> .....	4,465	3,462	28.9	6.0	74.9	29.8	16.5	6.7	1.63
Job losers .....	2,759	1,812	33.8	6.5	74.6	31.5	17.2	7.5	1.71
Job leavers .....	419	417	25.4	7.4	76.7	34.1	16.8	3.6	1.64
Reentrants .....	826	777	26.1	5.8	71.7	27.9	15.3	8.4	1.55
New entrants .....	461	456	17.3	3.1	80.5	22.6	15.4	3.3	1.42
<b>Females, 16 years and over</b> .....	3,615	3,095	24.4	6.2	72.9	34.9	12.1	3.8	1.54
Job losers .....	1,419	958	32.9	7.6	74.2	37.1	14.4	3.3	1.70
Job leavers .....	475	475	27.4	6.9	72.0	40.6	11.6	2.9	1.61
Reentrants .....	1,222	1,170	19.8	5.4	70.4	34.3	11.0	--	1.41
New entrants .....	498	493	15.6	4.3	76.9	26.2	10.8	5.1	1.39

NOTE: See note, table 15.

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## 17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	1980	1981	1980	1981	1980	1981	1980	1981
Total, 16 years and over .....	7,448	8,080	100.0	100.0	6,108	6,631	100.0	100.0
Less than 5 weeks .....	3,208	3,359	43.1	41.6	2,403	2,518	39.3	38.0
5 to 14 weeks .....	2,411	2,479	32.4	30.7	2,028	2,063	33.2	31.1
5 to 10 weeks .....	1,740	1,806	23.4	22.4	1,442	1,497	23.6	22.6
11 to 14 weeks .....	671	672	9.0	8.3	586	566	9.6	8.5
15 weeks and over .....	1,829	2,241	24.6	27.7	1,677	2,050	27.5	30.9
15 to 26 weeks .....	1,028	1,098	13.8	13.6	932	988	15.3	14.9
27 weeks and over .....	802	1,143	10.8	14.1	745	1,062	12.2	16.0
27 to 51 weeks .....	481	594	6.5	7.4	453	550	7.4	8.3
52 weeks and over .....	320	550	4.3	6.8	292	512	4.8	7.7
Average (mean) duration, in weeks .....	11.9	13.8	--	--	12.9	15.0	--	--
Median duration, in weeks .....	6.5	7.0	--	--	7.4	8.0	--	--

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

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			1980	1981	1980	1981
	1981										
Total, 16 years and over .....	8,080	3,359	2,479	1,098	1,143	13.8	7.0	43.1	41.6	24.6	27.7
16 to 21 years .....	2,566	1,261	808	282	215	10.3	5.2	50.7	49.2	16.3	19.4
16 to 19 years .....	1,733	902	533	180	118	9.3	4.8	53.7	52.0	13.8	17.2
20 to 24 years .....	1,905	800	604	260	240	13.0	6.8	43.4	42.0	22.5	26.3
25 to 34 years .....	2,132	824	661	310	337	14.8	7.8	39.4	38.6	28.7	30.4
35 to 44 years .....	1,059	391	314	162	192	16.1	8.5	38.8	36.9	29.4	33.4
45 to 54 years .....	717	256	209	109	144	17.0	8.9	37.1	35.6	32.6	35.2
55 to 64 years .....	436	145	131	65	95	18.4	9.5	35.2	33.2	32.5	36.8
65 years and over .....	97	42	26	12	17	16.3	7.1	47.4	43.3	25.9	29.8
Males, 16 years and over .....	4,465	1,682	1,376	650	756	15.5	8.1	38.9	37.7	28.1	31.5
16 to 21 years .....	1,417	646	461	170	140	11.3	6.0	47.3	45.6	18.6	21.8
16 to 19 years .....	944	460	303	107	74	10.1	5.3	51.4	48.7	15.7	19.2
20 to 24 years .....	1,100	409	352	168	171	14.9	8.0	38.5	37.2	25.9	30.8
25 to 34 years .....	1,169	403	366	173	227	16.9	9.2	33.8	34.5	33.7	34.2
35 to 44 years .....	545	177	155	93	120	18.4	10.2	34.1	32.5	33.0	39.2
45 to 54 years .....	394	129	109	66	91	19.0	10.4	33.5	32.6	36.6	39.8
55 to 64 years .....	258	82	78	37	61	19.4	9.8	33.1	31.7	35.8	38.0
65 years and over .....	55	23	13	7	12	18.0	7.8	46.7	41.6	25.6	33.8
Females, 16 years and over .....	3,615	1,677	1,103	448	387	11.7	5.8	48.3	46.4	20.1	23.1
16 to 21 years .....	1,149	615	347	112	75	9.1	4.7	54.9	53.5	13.3	16.3
16 to 19 years .....	789	441	230	73	43	8.3	4.5	56.5	56.0	13.5	14.8
20 to 24 years .....	805	391	252	92	69	10.6	5.3	50.3	48.6	17.8	20.0
25 to 34 years .....	963	421	295	137	111	12.4	6.4	46.6	43.7	22.2	25.7
35 to 44 years .....	514	214	160	69	72	13.6	7.0	43.6	41.6	25.7	27.3
45 to 54 years .....	323	127	101	43	53	14.6	7.4	41.1	39.4	28.0	29.5
55 to 64 years .....	178	63	52	29	34	16.9	9.1	38.5	35.5	27.4	35.2
65 years and over .....	42	19	13	5	6	14.1	6.4	48.5	45.4	26.4	24.7
White, 16 years and over .....	6,246	2,653	1,937	837	819	13.1	6.7	43.7	42.5	23.8	26.5
Males .....	3,523	1,357	1,096	517	554	14.7	7.8	39.4	38.5	27.4	30.4
Females .....	2,723	1,296	841	321	265	11.0	5.5	49.4	47.6	19.2	21.5
Black and other, 16 years and over .....	1,833	706	542	260	325	16.1	8.1	40.8	38.5	27.1	31.9
Males .....	942	325	280	133	203	18.3	9.3	37.0	34.6	30.7	35.7
Females .....	892	381	262	127	122	13.8	6.8	45.0	42.7	23.1	27.9
Males, 16 years and over:											
Married, spouse present .....	1,730	607	505	275	343	17.0	9.2	35.6	35.1	31.6	35.7
Widowed, divorced, or separated .....	486	155	148	79	104	18.1	10.0	33.5	31.8	34.1	37.7
Single (never married) .....	2,249	921	723	296	309	13.7	7.0	42.7	40.9	23.9	26.9
Females, 16 years and over:											
Married, spouse present .....	1,481	683	452	184	162	11.6	5.9	48.5	46.1	20.7	23.4
Widowed, divorced, or separated .....	728	291	226	105	106	14.3	7.3	42.3	40.0	25.8	28.9
Single (never married) .....	1,405	703	424	159	119	10.4	5.0	51.1	50.1	16.8	19.8

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

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			1980	1981	1980	1981
	1981										
<b>OCCUPATION</b>											
White-collar workers .....	2,174	902	691	318	263	12.9	6.9	44.3	41.5	23.2	26.7
Professional and managerial .....	769	299	251	112	106	14.0	7.5	40.3	38.9	26.6	28.3
Sales workers .....	302	134	94	43	31	11.4	6.2	45.6	44.5	23.3	24.3
Clerical workers .....	1,104	469	345	164	126	12.5	6.8	46.6	42.5	20.9	26.3
Blue-collar workers .....	3,525	1,322	1,067	502	633	15.8	8.2	38.0	37.5	29.1	32.2
Craft and kindred workers .....	1,000	371	317	152	160	14.8	8.1	38.2	37.1	28.1	31.2
Operatives, except transport .....	1,430	543	421	190	275	16.2	8.2	38.4	38.0	30.0	32.5
Transport equipment operatives .....	323	115	96	49	63	17.0	9.0	35.1	35.6	30.4	34.6
Nonfarm laborers .....	772	293	232	111	135	15.9	8.1	38.4	38.0	27.8	31.9
Service workers .....	1,274	587	386	157	143	12.0	5.9	48.3	46.1	20.8	23.6
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	193	94	64	22	13	9.7	5.2	48.8	48.8	16.4	18.1
Construction .....	821	308	269	134	110	13.9	8.0	38.7	37.5	26.5	29.7
Manufacturing .....	1,883	695	542	263	383	16.9	8.6	36.8	36.9	31.8	34.3
Durable goods .....	1,125	388	319	159	259	18.5	9.4	34.5	34.5	34.2	37.2
Nondurable goods .....	759	307	223	104	124	14.6	7.5	40.7	40.4	27.5	30.1
Transportation and public utilities .....	337	129	102	45	61	16.2	7.8	39.8	38.2	29.8	31.6
Wholesale and retail trade .....	1,576	691	502	208	176	12.1	6.4	44.7	43.8	21.7	24.4
Finance and service industries .....	1,813	774	565	249	225	12.9	6.7	46.5	42.7	21.4	26.2
Public administration .....	269	95	83	42	49	15.9	8.8	40.4	35.3	28.2	33.8
No previous work experience .....	960	477	286	103	95	11.4	5.1	52.5	49.7	16.0	20.6

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

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

(In thousands)

Industry and age	Total		Males		Females	
	1980	1981	1980	1981	1980	1981
	<b>All industries</b>					
All industries .....	97,270	98,313	55,988	56,168	41,283	42,145
16 to 19 years .....	7,603	7,115	4,016	3,744	3,587	3,371
16 to 17 years .....	3,031	2,790	1,631	1,484	1,399	1,306
18 to 19 years .....	4,572	4,325	2,384	2,260	2,188	2,066
20 to 24 years .....	13,615	13,638	7,254	7,220	6,360	6,419
25 to 54 years .....	61,761	63,351	35,975	36,578	25,787	26,773
25 to 34 years .....	26,222	27,174	15,232	15,650	10,989	11,523
35 to 44 years .....	19,293	19,909	11,152	11,405	8,141	8,504
45 to 54 years .....	16,247	16,268	9,591	9,522	6,656	6,746
55 to 64 years .....	11,364	11,298	6,924	6,832	4,441	4,465
55 to 59 years .....	7,027	7,007	4,254	4,205	2,772	2,802
60 to 64 years .....	4,338	4,291	2,670	2,627	1,668	1,664
65 years and over .....	2,927	2,911	1,819	1,795	1,108	1,116
<b>Nonagricultural industries</b>						
Nonagricultural industries .....	93,960	95,001	53,324	53,514	40,637	41,487
16 to 19 years .....	7,223	6,740	3,707	3,432	3,516	3,309
16 to 17 years .....	2,826	2,604	1,464	1,328	1,362	1,276
18 to 19 years .....	4,397	4,137	2,242	2,103	2,155	2,033
20 to 24 years .....	13,223	13,217	6,932	6,872	6,291	6,345
25 to 54 years .....	60,050	61,636	34,661	35,264	25,389	26,372
25 to 34 years .....	25,583	26,512	14,722	15,131	10,861	11,382
35 to 44 years .....	18,750	19,366	10,750	11,004	8,000	8,363
45 to 54 years .....	15,717	15,758	9,189	9,129	6,529	6,628
55 to 64 years .....	10,842	10,798	6,482	6,419	4,360	4,379
55 to 59 years .....	6,752	6,734	4,029	3,987	2,723	2,747
60 to 64 years .....	4,090	4,064	2,453	2,432	1,637	1,633
65 years and over .....	2,623	2,610	1,543	1,528	1,080	1,082
<b>Agriculture</b>						
Agriculture .....	3,310	3,312	2,664	2,654	646	657
16 to 19 years .....	380	375	309	312	71	63
16 to 17 years .....	205	186	167	156	37	30
18 to 19 years .....	175	189	142	156	33	32
20 to 24 years .....	392	421	322	348	70	74
25 to 54 years .....	1,712	1,715	1,314	1,314	397	401
25 to 34 years .....	639	661	510	520	129	142
35 to 44 years .....	543	543	402	401	141	142
45 to 54 years .....	530	510	402	393	128	117
55 to 64 years .....	523	500	442	413	81	86
55 to 59 years .....	274	273	225	218	50	55
60 to 64 years .....	248	227	217	195	31	31
65 years and over .....	305	301	277	267	28	34



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**21. Employed persons by occupation, sex, and age**

(In thousands)

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 16-19 years		Females, 16-19 years	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
	<b>TOTAL</b>	<b>97,270</b>	<b>98,313</b>	<b>51,972</b>	<b>52,424</b>	<b>37,696</b>	<b>38,774</b>	<b>4,016</b>	<b>3,744</b>	<b>3,587</b>
<b>White-collar workers</b>	<b>50,809</b>	<b>51,848</b>	<b>23,062</b>	<b>23,428</b>	<b>25,188</b>	<b>26,009</b>	<b>679</b>	<b>648</b>	<b>1,879</b>	<b>1,764</b>
Professional and technical	15,613	16,055	8,593	8,799	6,822	7,077	99	84	99	96
Health workers	2,922	3,047	943	973	1,957	2,054	6	5	15	16
Teachers, except college	3,157	3,144	915	921	2,219	2,206	6	5	17	13
Other professional and technical	9,534	9,864	6,735	6,905	2,646	2,817	87	74	67	67
Managers and administrators, except farm	10,919	11,315	8,009	8,158	2,801	3,050	58	59	51	49
Salaried workers	9,012	9,399	6,572	6,728	2,336	2,570	55	55	49	47
Self-employed workers in retail trade	870	849	567	543	301	301	1	2	1	1
Self-employed workers, except retail trade	1,037	1,068	871	886	164	180	1	2	1	--
Sales workers	6,172	6,291	3,144	3,218	2,356	2,455	233	216	439	401
Retail trade	3,159	3,194	988	1,001	1,599	1,667	169	161	402	365
Other industries	3,013	3,097	2,156	2,217	757	788	63	55	37	36
Clerical workers	18,105	18,187	3,315	3,253	13,210	13,427	289	289	1,291	1,218
Stenographers, typists, and secretaries	4,963	4,930	66	73	4,561	4,565	7	7	329	285
Other clerical workers	13,142	13,257	3,249	3,180	8,649	8,862	282	282	962	933
<b>Blue-collar workers</b>	<b>30,800</b>	<b>30,593</b>	<b>22,984</b>	<b>22,988</b>	<b>5,322</b>	<b>5,399</b>	<b>2,126</b>	<b>1,900</b>	<b>368</b>	<b>306</b>
Craft and kindred workers	12,529	12,397	11,297	11,227	710	755	479	384	43	31
Carpenters	1,185	1,091	1,105	1,025	16	18	62	45	2	2
Construction craft workers, except carpenters	2,615	2,532	2,450	2,389	45	43	115	97	4	4
Mechanics and repairers	3,320	3,327	3,089	3,125	61	61	167	139	3	1
Metal craft workers	1,296	1,277	1,212	1,194	49	53	34	29	1	--
Blue-collar worker supervisors, not elsewhere classified	1,729	1,790	1,527	1,580	183	200	15	8	4	3
All other	2,384	2,380	1,914	1,914	357	381	86	65	28	20
Operatives, except transport	10,346	10,316	5,638	5,692	3,916	3,932	564	523	227	169
Durable goods manufacturing	4,597	4,532	2,851	2,846	1,509	1,494	169	141	68	51
Nondurable goods manufacturing	3,290	3,261	1,265	1,264	1,811	1,810	105	109	110	77
Other industries	2,460	2,523	1,522	1,582	597	628	291	273	49	40
Transport equipment operatives	3,468	3,411	3,024	2,973	268	292	167	135	10	12
Drivers, motor vehicles	2,946	2,909	2,546	2,512	247	269	144	117	10	11
All other	523	503	478	461	21	23	23	17	1	1
Nonfarm laborers	4,456	4,469	3,025	3,096	428	422	916	859	87	93
Construction	797	776	632	647	17	12	144	113	3	3
Manufacturing	961	967	727	738	141	135	82	85	10	8
Other industries	2,699	2,727	1,666	1,710	270	274	690	661	74	82
<b>Service workers</b>	<b>12,958</b>	<b>13,160</b>	<b>3,956</b>	<b>4,034</b>	<b>6,752</b>	<b>6,926</b>	<b>963</b>	<b>943</b>	<b>1,286</b>	<b>1,257</b>
Private household workers	1,041	1,024	18	26	821	786	8	11	193	202
Service workers, except private household	11,917	12,136	3,939	4,008	5,931	6,140	954	932	1,093	1,055
Food service workers	4,436	4,575	865	915	2,225	2,316	602	615	744	728
Protective service workers	1,396	1,429	1,241	1,264	125	139	23	21	8	6
All other	6,085	6,132	1,833	1,829	3,581	3,685	329	296	341	321
<b>Farm workers</b>	<b>2,704</b>	<b>2,711</b>	<b>1,970</b>	<b>1,974</b>	<b>433</b>	<b>439</b>	<b>248</b>	<b>253</b>	<b>53</b>	<b>45</b>
Farmers and farm managers	1,485	1,477	1,309	1,291	156	165	19	19	1	2
Farm laborers and supervisors	1,218	1,235	660	684	277	274	229	234	52	43
Paid workers	934	981	625	648	108	123	166	181	35	29
Unpaid family workers	284	254	36	36	168	151	63	53	17	14

# HOUSEHOLD DATA ANNUAL AVERAGES

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

(Percent distribution)

Occupation and race	Total		Males		Females	
	1980	1981	1980	1981	1980	1981
<b>TOTAL</b>						
Total, 16 years and over (thousands)	97,270	98,313	55,988	56,168	41,283	42,145
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.2	52.7	42.4	42.9	65.6	65.9
Professional and technical	16.1	16.3	15.5	15.8	16.8	17.0
Managers and administrators, except farm	11.2	11.5	14.4	14.6	6.9	7.4
Sales workers	6.3	6.4	6.0	6.1	6.8	6.8
Clerical workers	18.6	18.5	6.4	6.3	35.1	34.7
Blue-collar workers	31.7	31.1	44.8	44.3	13.8	13.5
Craft and kindred workers	12.9	12.6	21.0	20.7	1.8	1.9
Operatives, except transport	10.6	10.5	11.1	11.1	10.0	9.7
Transport equipment operatives	3.6	3.5	5.7	5.5	.7	.7
Nonfarm laborers	4.6	4.5	7.0	7.0	1.2	1.2
Service workers	13.3	13.4	8.8	8.9	19.5	19.4
Private household workers	1.1	1.0	(1)	.1	2.5	2.3
Other service workers	12.3	12.3	8.7	8.8	17.0	17.1
Farm workers	2.8	2.8	4.0	4.0	1.2	1.1
Farmers and farm managers	1.5	1.5	2.4	2.3	.4	.4
Farm laborers and supervisors	1.3	1.3	1.6	1.6	.8	.8
<b>White</b>						
Total, 16 years and over (thousands)	86,380	87,340	50,337	50,504	36,043	36,836
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	53.9	54.3	44.0	44.4	67.7	67.9
Professional and technical	16.5	16.7	16.1	16.3	17.0	17.3
Managers and administrators, except farm	12.0	12.3	15.3	15.5	7.4	7.8
Sales workers	6.8	6.8	6.4	6.5	7.3	7.3
Clerical workers	18.6	18.5	6.2	6.1	36.0	35.5
Blue-collar workers	31.1	30.6	44.0	43.5	13.2	13.0
Craft and kindred workers	13.3	13.0	21.5	21.2	1.9	1.9
Operatives, except transport	10.1	10.0	10.7	10.6	9.4	9.1
Transport equipment operatives	3.4	3.3	5.4	5.2	.7	.7
Nonfarm laborers	4.3	4.3	6.5	6.5	1.2	1.2
Service workers	12.1	12.2	8.0	8.0	17.8	17.9
Private household workers	.8	.8	(1)	.1	1.9	1.8
Other service workers	11.3	11.4	7.9	8.0	16.0	16.1
Farm workers	2.9	2.9	4.1	4.1	1.3	1.2
Farmers and farm managers	1.7	1.7	2.6	2.5	.4	.4
Farm laborers and supervisors	1.2	1.2	1.5	1.6	.8	.8
<b>Black and other</b>						
Total, 16 years and over (thousands)	10,890	10,973	5,651	5,664	5,239	5,309
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	39.2	40.5	28.4	29.6	50.9	52.2
Professional and technical	12.7	13.5	10.7	11.7	14.8	15.4
Managers and administrators, except farm	5.2	5.6	6.7	7.0	3.7	4.1
Sales workers	2.9	2.9	2.7	2.7	3.1	3.2
Clerical workers	18.4	18.5	8.4	8.2	29.3	29.5
Blue-collar workers	35.9	35.0	52.7	51.4	17.7	17.6
Craft and kindred workers	9.6	9.2	17.1	16.4	1.4	1.5
Operatives, except transport	14.5	14.6	14.8	15.0	14.3	14.2
Transport equipment operatives	4.9	4.7	8.8	8.5	.6	.7
Nonfarm laborers	6.9	6.5	12.0	11.5	1.4	1.3
Service workers	23.1	22.8	16.0	16.4	30.8	29.6
Private household workers	3.2	3.0	.2	.2	6.5	6.0
Other service workers	19.9	19.8	15.8	16.2	24.3	23.7
Farm workers	1.8	1.6	3.0	2.6	.6	.5
Farmers and farm managers	.3	.3	.6	.5	.1	.1
Farm laborers and supervisors	1.5	1.3	2.4	2.1	.5	.5

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

# HOUSEHOLD DATA ANNUAL AVERAGES

## 23. Employed persons by detailed occupation, sex, and race

(Numbers in thousands)

Occupation	1981			Occupation	1981		
	Total employed	Percent of total			Total employed	Percent of total	
		Females	Black and other			Females	Black and other
<b>Total, 16 years and over</b>	<b>98,313</b>	<b>42.9</b>	<b>11.2</b>				
<b>White-collar workers</b>	<b>51,848</b>	<b>53.6</b>	<b>8.6</b>	<b>White-collar workers—Continued</b>			
Professional and technical	16,055	44.7	9.2	Managers and administrators, except farm—Continued			
Accountants	1,096	38.5	9.0	Inspectors, except construction and public administration	108	10.2	8.3
Architects	91	4.4	8.8	Managers and superintendents, building	158	50.6	9.5
Computer specialists	613	26.9	8.6	Office managers, n.e.c.	494	70.4	3.6
Computer programmers	357	29.4	9.2	Officials and administrators; public administration n.e.c.	469	29.0	9.8
Computer systems analysts	209	25.8	7.2	Officials of lodges, societies, and unions	116	28.4	5.2
Engineers	1,497	4.3	6.0	Restaurant, cafeteria, and bar managers	707	40.5	9.1
Aeronautical and astronautical engineers	82	1.2	4.9	Sales managers and department heads, retail trade	337	40.4	5.9
Civil engineers	183	1.6	6.0	Sales managers, except retail trade	367	13.6	2.5
Electrical and electronic engineers	370	3.8	6.5	School administrators, college	137	35.0	8.0
Industrial engineers	231	11.3	6.5	School administrators, elementary and secondary	289	36.7	10.0
Mechanical engineers	247	2.8	4.9	All other managers and administrators	6,703	19.6	4.6
Foresters and conservationists	57	12.3	3.5	Sales workers	6,291	45.4	5.1
Lawyers and judges	570	14.0	4.4	Advertising agents and sales workers	126	47.6	3.2
Lawyers	548	14.1	4.4	Demonstrators	105	95.2	3.8
Librarians, archivists, and curators	190	83.2	5.3	Hucksters and peddlers	167	79.0	7.2
Librarians	176	85.8	5.7	Insurance agents, brokers, and underwriters	584	23.6	6.0
Life and physical scientists	303	21.8	9.6	Newspaper carriers and vendors	111	29.7	4.5
Biological scientists	57	40.4	12.3	Real estate agents and brokers	546	50.0	2.7
Chemists	134	21.6	14.2	Stock and bond sales agents	156	16.7	2.6
Operations and systems researchers and analysts	196	26.0	6.6	Sales workers and sales clerks, n.e.c.	4,491	46.6	5.4
Personnel and labor relations workers	432	49.8	10.6	Sales representatives, manufacturing industries	410	20.0	3.7
Physicians, dentists, and related practitioners	801	14.2	9.2	Sales representatives, wholesale trade	951	11.9	2.6
Dentists	127	4.7	5.5	Sales clerks, retail trade	2,380	71.3	7.3
Pharmacists	147	25.2	7.5	Sales workers, except clerks, retail trade	514	19.6	3.3
Physicians, medical and osteopathic	436	13.8	12.2	Sales workers, services and construction	237	43.0	5.1
Nurses, dietitians, and therapists	1,620	92.7	12.1	Clerical workers	18,187	80.5	11.2
Registered nurses	1,313	96.8	11.7	Bank tellers	558	93.7	7.2
Therapists	244	70.5	11.5	Billing clerks	151	88.1	9.9
Health technologists and technicians	626	72.5	13.9	Bookkeepers	1,922	91.2	5.9
Clinical laboratory technologists and technicians	268	77.2	17.5	Cashiers	1,621	86.4	11.3
Radiologic technologists and technicians	102	67.6	10.8	Clerical supervisors, n.e.c.	246	70.3	10.6
Religious workers	331	11.8	7.6	Collectors, bill and account	90	64.4	10.0
Clergy	277	5.1	7.6	Counter clerks, except food	352	76.4	9.9
Social scientists	307	33.9	7.2	Dispatchers and starters, vehicle	113	38.1	8.8
Econometrists	157	24.8	5.7	Enumerators and interviewers	57	75.4	15.8
Psychologists	115	48.7	8.7	Estimators and investigators, n.e.c.	529	54.4	10.2
Social and recreation workers	501	62.7	19.6	Expeditors and production controllers	249	41.0	8.0
Social workers	383	64.0	20.4	File clerks	307	83.7	21.8
Recreation workers	119	58.0	16.8	Insurance adjusters, examiners, and investigators	186	58.1	9.1
Teachers, college and university	573	35.3	8.4	Library attendants and assistants	149	82.6	13.4
Teachers, except college and university	3,144	70.6	9.8	Mail carriers, post office	239	15.5	13.4
Adult education teachers	75	42.7	8.0	Mail handlers, except post office	172	47.1	19.8
Elementary school teachers	1,389	83.6	11.2	Messengers and office helpers	94	26.6	19.1
Prekindergarten and kindergarten teachers	239	98.3	15.5	Office machine operators	945	73.7	17.0
Secondary school teachers	1,213	51.3	7.8	Bookkeeping and billing machine operators	47	89.4	12.8
Teachers except college and university, n.e.c.	229	73.8	7.0	Computer and peripheral equipment operators	551	63.9	15.2
Engineering and science technicians	1,108	18.8	9.0	Keypunch operators	243	93.8	18.9
Chemical technicians	101	25.7	15.8	Payroll and timekeeping clerks	226	81.0	8.8
Drafters	332	19.3	7.5	Postal clerks	263	38.0	25.9
Electrical and electronic engineering technicians	267	11.2	8.2	Receptionists	660	97.4	8.3
Surveyors	88	1.1	4.5	Secretaries	3,847	99.1	6.9
Technicians, except health, engineering, and science	214	22.0	4.7	Secretaries, legal	179	98.9	5.6
Airplane pilots	80	1.3	1.3	Secretaries, medical	81	100.0	6.2
Radio operators	61	57.4	4.9	Secretaries, n.e.c.	3,587	99.1	7.0
Vocational and educational counselors	186	53.2	17.2	Shipping and receiving clerks	515	22.5	14.4
Writers, artists, and entertainers	1,358	40.1	5.9	Statistical clerks	361	80.3	14.7
Athletes and kindred workers	131	44.3	6.9	Stenographers	72	86.1	12.5
Designers	213	29.6	5.6	Stock clerks and storekeepers	517	35.0	12.8
Editors and reporters	202	50.5	5.0	Teachers' aides, except school monitors	373	93.0	18.5
Musicians and composers	142	23.4	5.6	Telephone operators	301	93.0	16.9
Painters and sculptors	207	51.2	5.3	Ticket, station, and express agents	144	47.2	9.0
Photographers	99	23.2	7.1	Typists	1,011	96.3	17.2
Public relations specialists and publicity writers	121	45.5	5.0	All other clerical workers	1,917	77.0	13.1
Research workers, not specified	188	39.4	10.1	Blue-collar workers	30,593	18.6	12.6
All other professional and technical workers	53	39.6	11.3	Craft and kindred workers	12,397	6.3	8.1
Managers and administrators, except farm	11,315	27.4	5.4	Carpenters	1,091	1.8	5.4
Bank officials and financial managers	680	37.4	5.0	Brickmasons and stonemasons	150	—	11.3
Buyers and purchasing agents	468	30.5	5.8	Cement and concrete finishers	63	—	30.2
Buyers, wholesale and retail trade	191	43.5	6.3	Electricians	667	1.6	7.5
Credit and collection managers	66	39.4	4.5	Excavating, grading, and road machinery operators	413	.5	11.9
Health administrators	216	49.5	6.5	Painters, construction and maintenance	461	5.6	9.5

# HOUSEHOLD DATA ANNUAL AVERAGES

## 23. Employed persons by detailed occupation, sex, and race—Continued

(Numbers in thousands)

Occupation	1981			Occupation	1981		
	Total employed	Percent of total			Total employed	Percent of total	
		Females	Black and other			Females	Black and other
Blue-collar workers—Continued				Blue-collar workers—Continued			
Craft and kindred workers—Continued				Operatives, except transport—Continued			
Plumbers and pipefitters .....	462	.4	7.6	Shoemaking machine operatives .....	73	72.6	5.5
Structural metal craft workers .....	80	—	3.8	Furnace tenders and stokers, except metal .....	78	1.3	10.3
Roofers and slaters .....	135	—	13.3	Textile operatives .....	289	61.2	26.0
Blue-collar worker supervisors, n.e.c .....	1,790	11.3	7.5	Spinners, twistors, and winders .....	98	66.3	28.6
Machinists and job setters .....	657	4.1	7.9	Welders and flame cutters .....	709	4.8	12.6
Job and die setters, metal .....	93	5.4	8.6	Winding operatives, n.e.c .....	55	45.5	12.7
Machinists .....	564	3.9	7.8	All other operatives, except transport .....	3,000	32.3	15.6
Metal craft workers, excluding mechanics, machinists, and job setters .....	620	4.4	6.8	Transport equipment operatives .....	3,411	8.9	15.2
Millwrights .....	102	—	2.9	Busdrivers .....	355	47.3	21.1
Molders, metal .....	52	17.3	19.2	Delivery and route workers .....	549	8.7	8.9
Sheet-metal workers and tinmiths .....	153	3.3	5.2	Forklift and tow motor operatives .....	363	5.8	21.5
Tool and die makers .....	176	2.3	2.8	Railroad switch operators .....	38	—	5.3
Mechanics, automobiles .....	1,217	.7	8.3	Taxicab drivers and chauffeurs .....	161	9.3	28.6
Automobile body repairers .....	199	1.0	7.5	Truckdrivers .....	1,843	2.7	13.7
Automobile mechanics .....	1,017	.6	8.5	All other transport equipment operatives .....	102	2.9	16.7
Mechanics, except automobiles .....	2,110	2.6	7.7	Nonfarm laborers .....	4,469	11.5	16.0
Air-conditioning, heating, and refrigeration mechanics .....	207	.5	7.2	Animal caretakers .....	93	57.0	4.3
Aircraft mechanics .....	119	3.4	12.6	Construction laborers including carpenters' helpers .....	803	2.1	15.4
Data processing machine repairers .....	97	7.2	7.2	Freight and material handlers .....	735	9.7	18.1
Farm implement mechanics .....	46	—	8.7	Garbage collectors .....	72	2.8	43.1
Heavy equipment mechanics, including diesel .....	986	1.8	7.0	Gardeners and grounds keepers, except farm .....	648	4.6	15.7
Household appliance and accessory installers and mechanics .....	130	4.6	8.5	Timber cutting and logging workers .....	99	1.0	18.2
Office machine repairers .....	73	4.1	8.2	Stockhandlers .....	968	24.7	11.5
Radio and television repairers .....	107	3.7	5.6	Vehicle washers and equipment cleaners .....	165	15.2	21.8
Railroad and car shop mechanics .....	59	1.7	10.2	Warehouse laborers, n.e.c .....	269	5.9	12.3
Printing craft workers .....	396	25.0	7.8	All other nonfarm laborers .....	617	9.7	20.3
Compositors and typesetters .....	171	35.1	7.6	Service workers .....	13,160	62.2	19.0
Printing press operators .....	164	11.6	7.9	Private households .....	1,024	96.5	31.9
Bakers .....	132	41.7	12.9	Child care workers .....	443	97.5	9.0
Cabinetmakers .....	73	2.7	4.1	Cleaners and servants .....	457	95.0	51.2
Carpet installers .....	83	—	4.8	Housekeepers .....	98	95.9	39.8
Crane, derrick, and hoist operators .....	141	.7	15.6	Service workers, except private households .....	12,136	59.3	17.9
Decorators and window dressers .....	123	72.4	7.3	Cleaning workers .....	2,443	38.5	27.5
Electric power line and cable installers and repairers .....	115	.9	7.8	Lodging quarters cleaners .....	175	96.6	37.1
Inspectors, n.e.c .....	141	8.5	8.5	Building interior cleaners, n.e.c .....	936	55.3	29.8
Locomotive engineers .....	46	2.2	2.2	Janitors and sextons .....	1,332	19.0	24.7
Stationary engineers .....	178	1.7	8.4	Food service workers .....	4,575	66.5	13.3
Tailors .....	21	42.9	19.0	Bartenders .....	309	47.2	4.5
Telephone installers and repairers .....	318	9.7	8.5	Walters' assistants .....	217	19.8	12.9
Telephone line installers and repairers .....	77	5.2	5.2	Cooks .....	1,360	52.3	18.8
Upholsterers .....	70	21.4	11.4	Dishwashers .....	249	28.9	14.5
All other craft workers .....	567	15.0	9.5	Food counter and fountain workers .....	460	83.7	12.8
Operatives, except transport .....	10,316	39.8	15.5	Waiters .....	1,442	89.7	6.8
Assemblers .....	1,145	52.3	16.4	Food service workers, n.e.c .....	538	73.4	21.6
Bottling and canning operatives .....	52	42.3	19.2	Health service workers .....	1,963	89.3	23.7
Checkers, examiners, and inspectors; manufacturing .....	786	53.7	13.0	Dental assistants .....	139	97.8	5.8
Clothing ironers and pressers .....	115	80.9	38.3	Health aides, excluding nursing .....	312	84.0	20.8
Cutting operatives, n.e.c .....	271	31.4	15.5	Nursing aides, orderlies, and attendants .....	1,116	86.6	28.3
Dressmakers, except factory .....	114	97.4	14.0	Practical nurses .....	395	97.7	19.2
Drillers, earth .....	59	—	3.4	Personal service workers .....	1,726	76.1	13.7
Dry wall installers and lathers .....	79	—	5.1	Attendants .....	312	54.5	11.2
Filers, polishers, sanders, and buffers .....	113	31.9	16.8	Barbers .....	106	17.0	13.2
Furnace tenders, smelters, and pourers; metal .....	62	3.2	16.1	Child care workers .....	417	95.4	14.4
Garage workers and gas station attendants .....	340	5.6	10.3	Hairdressers and cosmetologists .....	564	89.5	9.2
Laundry and dry cleaning operatives, n.e.c .....	189	66.1	27.5	Housekeepers, excluding private households .....	133	69.9	15.0
Meat cutters and butchers, except manufacturing .....	173	8.1	9.8	Welfare service aides .....	86	88.4	31.4
Meat cutters and butchers, manufacturing .....	96	29.2	17.7	Protective service workers .....	1,429	10.1	13.5
Mine operatives, n.e.c .....	260	2.3	5.0	Firefighters .....	210	1.0	8.6
Mixing operatives .....	77	3.9	15.6	Guards .....	593	13.7	18.4
Packers and wrappers, excluding meat and produce .....	579	63.4	20.4	Police and detectives .....	503	5.6	10.3
Painters, manufactured articles .....	162	16.7	13.0	Sheriffs and bailiffs .....	69	7.2	10.1
Photographic process workers .....	85	50.6	9.4	Farm workers .....	2,711	17.9	6.5
Precision machine operatives .....	348	12.9	9.2	Farmers and farm managers .....	1,477	11.3	2.2
Drill press operatives .....	56	25.0	14.3	Farmers (owners and tenants) .....	1,440	11.4	2.2
Grinding machine operatives .....	134	10.4	7.9	Farm laborers and supervisors .....	1,235	25.7	11.7
Lathe and milling machine operatives .....	101	5.9	1.9	Farm laborers, wage workers .....	941	15.9	14.5
Punch and stamping press operatives .....	106	32.1	10.4	Farm laborers, unpaid family workers .....	254	65.0	2.0
Sawyers .....	121	9.9	15.7				
Sewers and stitchers .....	780	96.0	20.4				

NOTE: N.E.C. is an abbreviation for "not elsewhere classified" and designates broad categories of occupations which cannot be more specifically identified.

# HOUSEHOLD DATA ANNUAL AVERAGES

## 24. Employed persons by age, sex, and class of worker

[In thousands]

Age and sex	1981								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	87,677	1,182	15,394	71,102	6,943	381	1,422	1,624	266
16 to 19 years	6,621	290	479	5,852	95	24	270	37	68
16 to 17 years	2,547	204	161	2,181	43	14	126	17	43
18 to 19 years	4,075	86	318	3,671	52	10	144	20	25
20 to 24 years	12,860	103	1,336	11,421	333	25	300	92	28
25 to 34 years	24,790	150	4,416	20,223	1,643	79	341	280	40
35 to 44 years	17,556	123	3,695	13,738	1,722	89	204	297	42
45 to 54 years	14,182	165	3,109	10,909	1,487	88	144	319	47
55 to 64 years	9,624	210	2,022	7,392	1,117	57	112	361	27
65 to 69 years	6,035	114	1,290	4,631	665	34	61	193	19
70 to 74 years	3,589	96	733	2,761	451	23	51	167	8
75 years and over	2,044	141	337	1,567	547	19	50	237	15
<b>Males, 16 years and over</b>	<b>48,669</b>	<b>188</b>	<b>7,534</b>	<b>40,948</b>	<b>4,799</b>	<b>46</b>	<b>1,134</b>	<b>1,430</b>	<b>90</b>
16 to 19 years	3,356	84	214	3,058	59	17	223	35	54
16 to 17 years	1,292	61	75	1,155	26	10	105	17	34
18 to 19 years	2,064	23	139	1,902	33	6	118	18	20
20 to 24 years	6,641	26	554	6,061	221	10	241	86	20
25 to 34 years	14,013	18	2,102	11,893	1,113	4	266	247	6
35 to 44 years	9,821	10	1,800	8,011	1,179	4	151	248	2
45 to 54 years	8,078	11	1,606	6,461	1,049	2	116	275	2
55 to 64 years	5,612	15	1,066	4,530	803	5	90	322	1
65 to 69 years	3,506	9	672	2,825	479	3	49	169	1
70 to 74 years	2,106	6	395	1,705	323	2	41	154	1
75 years and over	1,148	23	191	934	375	4	46	217	5
<b>Females, 16 years and over</b>	<b>39,008</b>	<b>994</b>	<b>7,859</b>	<b>30,154</b>	<b>2,145</b>	<b>335</b>	<b>288</b>	<b>194</b>	<b>176</b>
16 to 19 years	3,265	206	265	2,795	36	7	46	2	14
16 to 17 years	1,255	143	86	1,026	17	4	21	--	9
18 to 19 years	2,010	63	179	1,769	19	4	26	2	5
20 to 24 years	6,219	77	782	5,360	112	15	59	6	8
25 to 34 years	10,776	133	2,314	8,330	531	75	75	33	34
35 to 44 years	7,735	113	1,895	5,727	543	85	53	50	39
45 to 54 years	6,104	153	1,503	4,448	438	86	28	44	45
55 to 64 years	4,013	194	956	2,862	314	53	22	39	26
65 to 69 years	2,529	104	618	1,807	186	31	12	25	18
70 to 74 years	1,483	90	338	1,056	128	21	10	14	8
75 years and over	896	117	146	633	171	14	4	20	10

## 25. Employed persons by industry and occupation

[In thousands]

Industry	1981											
	Total employed	Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	Farm workers
Agriculture	3,312	84	37	9	81	58	14	28	274	--	16	2,711
Mining	1,079	154	103	6	127	253	344	55	25	--	11	--
Construction	5,907	204	781	34	467	3,193	260	163	776	--	29	--
Manufacturing	21,460	2,496	1,680	534	2,662	4,171	7,793	750	967	--	408	--
Durable goods	12,973	1,742	971	189	1,589	2,792	4,532	357	566	--	236	--
Nondurable goods	8,485	754	709	345	1,073	1,379	3,261	393	400	--	173	--
Transportation and public utilities	6,497	618	700	83	1,512	1,364	169	1,435	435	--	181	--
Wholesale and retail trade	20,048	442	3,915	4,135	3,565	1,392	904	714	1,224	--	3,759	--
Wholesale trade	3,920	165	825	941	783	332	196	364	274	--	40	--
Retail trade	16,129	277	3,090	3,194	2,782	1,060	708	350	949	--	3,719	--
Finance, insurance, and real estate	5,997	369	1,165	1,289	2,747	97	11	9	67	--	242	--
Services	28,887	10,662	2,221	196	5,239	1,593	779	205	557	1,024	6,409	--
Private households	1,248	15	--	--	11	10	4	2	142	1,024	38	--
Other service industries	27,639	10,647	2,221	196	5,228	1,583	775	203	415	--	6,371	--
Public administration	5,128	1,028	713	5	1,786	276	44	52	144	--	1,081	--

**HOUSEHOLD DATA  
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**26. Employed persons in nonagricultural industries by sex and class of worker**

(In thousands)

Industry and sex	1981					
	Total employed	Wage and salary workers			Self-employed workers	Unpaid family workers
		Total	Government	Private industries		
<b>TOTAL</b>						
Both sexes, 18 years and over:						
Mining .....	1,079	1,051	2	1,049	26	2
Construction .....	5,907	4,738	483	4,255	1,129	40
Manufacturing .....	21,460	21,078	129	20,949	355	28
Durable goods .....	12,973	12,744	98	12,645	214	15
Nondurable goods .....	8,486	8,334	31	8,303	140	12
Transportation and public utilities .....	6,497	6,197	795	5,402	289	12
Wholesale and retail trade .....	20,048	18,040	99	17,941	1,843	166
Wholesale trade .....	3,920	3,617	4	3,613	287	16
Retail trade .....	16,129	14,423	95	14,328	1,556	150
Finance, insurance, and real estate .....	5,997	5,540	134	5,406	441	15
Services .....	28,887	25,907	8,625	17,282	2,862	118
Private households .....	1,248	1,182	--	1,182	64	2
Other service industries .....	27,639	24,725	8,625	16,100	2,798	116
Business repair .....	4,044	3,186	42	3,144	808	49
Personal .....	2,562	1,780	14	1,767	760	22
Entertainment and recreation .....	1,076	917	88	830	153	6
Professional .....	19,810	18,735	8,406	10,330	1,036	39
Medical, except hospital .....	3,409	3,061	495	2,566	325	23
Hospitals .....	4,095	4,090	1,132	2,958	4	--
Welfare and religion .....	1,600	1,564	595	969	34	2
Education .....	7,867	7,716	6,077	1,639	149	2
Other .....	2,839	2,305	107	2,198	524	11
Forestry and fisheries .....	146	105	75	30	40	1
Public administration .....	5,128	5,128	5,128	--	--	--
<b>Males</b>						
Mining .....	916	892	1	890	24	--
Construction .....	5,425	4,331	434	3,897	1,089	5
Manufacturing .....	14,671	14,394	102	14,291	274	3
Durable goods .....	9,655	9,474	80	9,393	180	1
Nondurable goods .....	5,016	4,920	22	4,898	94	2
Transportation and public utilities .....	4,779	4,515	578	3,937	262	2
Wholesale and retail trade .....	10,628	9,494	41	9,452	1,114	20
Wholesale trade .....	2,909	2,663	3	2,660	243	3
Retail trade .....	7,718	6,831	38	6,792	872	16
Finance, insurance, and real estate .....	2,491	2,172	72	2,100	317	1
Services .....	11,321	9,589	3,021	6,568	1,717	16
Private households .....	190	188	--	188	2	1
Other service industries .....	11,131	9,401	3,021	6,380	1,715	15
Business repair .....	2,725	2,061	23	2,038	657	7
Personal .....	851	629	4	625	217	4
Entertainment and recreation .....	651	543	53	490	106	2
Professional .....	6,786	6,088	2,888	3,200	696	2
Medical, except hospital .....	830	574	136	439	256	--
Hospitals .....	958	955	360	595	3	--
Welfare and religion .....	660	636	158	478	24	--
Education .....	2,737	2,712	2,160	551	25	1
Other .....	1,600	1,211	74	1,137	389	--
Forestry and fisheries .....	119	80	53	27	39	--
Public administration .....	3,284	3,284	3,284	--	--	--
<b>Females</b>						
Mining .....	163	159	--	159	2	2
Construction .....	482	407	49	358	40	35
Manufacturing .....	6,789	6,684	27	6,657	80	25
Durable goods .....	3,318	3,270	18	3,252	34	14
Nondurable goods .....	3,471	3,414	9	3,405	46	10
Transportation and public utilities .....	1,719	1,682	217	1,465	26	10
Wholesale and retail trade .....	9,421	8,545	58	8,488	728	146
Wholesale trade .....	1,010	954	1	953	44	13
Retail trade .....	8,410	7,592	57	7,536	684	134
Finance, insurance, and real estate .....	3,506	3,368	62	3,306	124	14
Services .....	17,565	16,318	5,603	10,714	1,145	103
Private households .....	1,058	994	--	994	62	2
Other service industries .....	16,507	15,324	5,603	9,720	1,083	101
Business repair .....	1,319	1,125	19	1,107	152	42
Personal .....	1,712	1,151	10	1,142	543	18
Entertainment and recreation .....	425	375	35	340	46	4
Professional .....	13,024	12,647	5,518	7,129	340	37
Medical, except hospital .....	2,578	2,486	359	2,127	69	23
Hospitals .....	3,136	3,135	772	2,363	1	--
Welfare and religion .....	941	928	437	491	10	2
Education .....	5,130	5,004	3,917	1,088	125	1
Other .....	1,239	1,093	33	1,060	135	10
Forestry and fisheries .....	27	25	23	3	1	--
Public administration .....	1,844	1,844	1,844	--	--	--

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## 27. Employed persons by industry, sex, and occupation

(Percent distribution)

Industry and sex	1981												
	Total employed		White-collar workers				Blue-collar workers				Service workers		Farm workers
	Numbers (in thousands)	Percent	Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
<b>TOTAL</b>													
Agriculture	3,312	100.0	2.5	1.1	.3	2.4	1.8	.4	.8	8.3	--	.5	81.6
Mining	1,079	100.0	14.3	9.5	.6	11.8	23.4	31.9	5.1	2.3	--	1.0	--
Construction	5,907	100.0	3.5	13.2	.6	7.9	54.1	4.4	2.8	13.1	--	.5	--
Manufacturing	21,460	100.0	11.6	7.8	2.5	12.4	19.4	36.3	3.5	4.5	--	1.9	--
Durable goods	12,973	100.0	13.4	7.5	1.5	12.2	21.5	34.9	2.8	4.4	--	1.8	--
Nondurable goods	8,486	100.0	8.9	8.4	4.1	12.6	16.3	38.4	4.6	4.7	--	2.0	--
Transportation and public utilities	6,497	100.0	9.5	10.8	1.3	23.3	21.0	2.6	22.1	6.7	--	2.8	--
Wholesale and retail trade	20,048	100.0	2.2	19.5	20.6	17.8	6.9	4.5	3.6	6.1	--	18.8	--
Wholesale trade	3,920	100.0	4.2	21.0	24.0	20.0	8.5	5.0	9.3	7.0	--	1.0	--
Retail trade	16,129	100.0	1.7	19.2	19.8	17.2	6.6	4.4	2.2	5.9	--	23.1	--
Finance, insurance, and real estate	5,997	100.0	6.2	19.4	21.5	45.8	1.6	.2	.2	1.1	--	4.0	--
Services	28,887	100.0	36.9	7.7	.7	18.1	5.5	2.7	.7	1.9	3.5	22.2	--
Private households	1,248	100.0	1.2	--	--	.9	.8	.3	.2	11.4	82.1	3.0	--
Other service industries	27,639	100.0	38.5	8.0	.7	18.9	5.7	2.8	.7	1.5	--	23.1	--
Public administration	5,128	100.0	20.0	13.9	.1	34.8	5.4	.9	1.0	2.8	--	21.1	--
<b>Males</b>													
Agriculture	2,654	100.0	2.3	1.1	.2	.3	2.1	.4	.9	8.5	--	.3	83.9
Mining	916	100.0	13.2	10.1	.7	2.5	27.3	36.9	5.9	2.5	--	.9	--
Construction	5,425	100.0	3.3	13.6	.5	2.2	58.2	4.7	3.0	14.0	--	.4	--
Manufacturing	14,671	100.0	13.7	9.7	2.7	5.4	25.9	29.7	4.9	5.6	--	2.2	--
Durable goods	9,655	100.0	15.4	8.8	1.7	5.5	27.0	30.9	3.6	5.2	--	2.0	--
Nondurable goods	5,016	100.0	10.6	11.6	4.8	5.3	23.7	27.4	7.5	6.4	--	2.7	--
Transportation and public utilities	4,779	100.0	10.4	11.4	1.0	9.5	27.6	3.2	25.9	8.8	--	2.3	--
Wholesale and retail trade	10,628	100.0	2.8	26.0	18.7	5.6	11.4	6.0	6.3	9.5	--	13.7	--
Wholesale trade	2,909	100.0	4.2	24.2	28.5	6.4	10.8	4.4	12.1	8.3	--	1.1	--
Retail trade	7,718	100.0	2.2	26.7	15.1	5.3	11.6	6.6	4.1	10.0	--	18.4	--
Finance, insurance, and real estate	2,491	100.0	8.2	28.9	34.1	14.9	3.6	.2	.4	2.6	--	7.0	--
Services	11,321	100.0	42.4	12.2	.9	4.8	13.0	3.7	1.6	4.4	.3	16.7	--
Private households	190	100.0	1.6	--	--	.5	4.7	1.1	1.1	71.9	19.5	1.1	--
Other service industries	11,131	100.0	43.1	12.4	.9	4.9	13.1	3.7	1.6	3.2	--	17.0	--
Public administration	3,284	100.0	21.7	15.6	--	19.2	8.1	1.1	1.5	4.0	--	28.7	--
<b>Females</b>													
Agriculture	657	100.0	3.5	1.2	.5	11.1	.3	.6	.3	7.5	--	1.4	73.7
Mining	163	100.0	20.2	6.7	--	63.8	1.8	3.7	.6	1.2	--	1.8	--
Construction	482	100.0	5.0	8.7	1.2	72.4	6.8	.8	.4	3.3	--	1.2	--
Manufacturing	6,789	100.0	7.1	3.7	1.9	27.4	5.5	50.6	.5	2.1	--	1.2	--
Durable goods	3,318	100.0	7.7	3.8	.9	31.8	5.6	46.6	.4	2.0	--	1.3	--
Nondurable goods	3,471	100.0	6.5	3.6	2.9	23.3	5.5	54.4	.5	2.2	--	1.1	--
Transportation and public utilities	1,719	100.0	7.1	8.9	2.1	61.7	2.7	1.0	11.5	.9	--	4.2	--
Wholesale and retail trade	9,420	100.0	1.6	12.2	22.8	31.5	1.9	2.8	.4	2.2	--	24.5	--
Wholesale trade	1,010	100.0	4.2	12.0	11.1	59.1	1.7	6.6	1.1	3.5	--	.9	--
Retail trade	8,410	100.0	1.2	12.3	24.2	28.2	2.0	2.4	.4	2.1	--	27.3	--
Finance, insurance, and real estate	3,506	100.0	4.7	12.7	12.5	67.7	.2	.1	--	1.1	--	1.9	--
Services	17,565	100.0	33.4	4.8	.5	26.7	.7	2.1	.1	.4	5.6	25.7	--
Private households	1,058	100.0	1.2	--	--	1.0	.1	.2	--	.7	93.4	3.4	--
Other service industries	16,507	100.0	35.5	5.1	.6	28.4	.7	2.2	.2	.3	--	27.1	--
Public administration	1,844	100.0	17.1	10.8	.2	62.7	.6	.3	.1	.7	--	7.5	--

# HOUSEHOLD DATA ANNUAL AVERAGES

## 28. Employed persons by industry, race, and occupation

(Percent distribution)

Industry and race	1981												
	Total employed		White-collar workers				Blue-collar workers			Service workers		Farm workers	
	Numbers (in thousands)	Percent	Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers		Other service workers
<b>WHITE</b>													
Agriculture .....	3,073	100.0	2.6	1.2	.3	2.6	1.7	.4	.7	7.6	--	.4	82.5
Mining .....	1,027	100.0	14.3	9.8	.6	11.6	23.7	31.7	5.0	2.3	--	.9	--
Construction .....	5,449	100.0	3.5	13.9	.6	8.1	54.5	4.4	2.5	12.1	--	.4	--
Manufacturing .....	19,039	100.0	12.3	8.6	2.7	12.9	20.1	34.3	3.4	4.2	--	1.7	--
Durable goods .....	11,617	100.0	14.1	8.2	1.6	12.6	22.0	33.3	2.6	4.0	--	1.6	--
Nondurable goods .....	7,422	100.0	9.4	9.3	4.4	13.2	17.0	35.7	4.6	4.5	--	1.8	--
Transportation and public utilities .....	5,688	100.0	10.0	11.7	1.4	22.9	21.9	2.5	21.4	5.7	--	2.5	--
Wholesale and retail trade .....	18,341	100.0	2.3	20.2	21.3	17.7	7.0	4.3	3.3	5.9	--	18.1	--
Wholesale trade .....	3,631	100.0	4.2	21.9	25.2	19.9	8.4	4.4	8.7	6.4	--	.9	--
Retail trade .....	14,710	100.0	1.8	19.7	20.3	17.1	6.7	4.3	2.0	5.8	--	22.3	--
Finance, insurance, and real estate .....	5,431	100.0	6.1	20.4	22.7	44.5	1.5	.2	.1	1.1	--	3.4	--
Services .....	24,959	100.0	38.5	8.2	.8	18.7	5.8	2.5	.7	1.9	2.8	20.1	--
Private households .....	875	100.0	1.6	--	--	1.0	.9	.3	.2	13.1	79.7	3.1	--
Other service industries .....	24,084	100.0	39.8	8.5	.8	19.4	6.0	2.6	.7	1.4	--	20.7	--
Public administration .....	4,332	100.0	21.0	14.9	.1	33.0	5.3	.7	.9	2.6	--	21.7	--
<b>BLACK AND OTHER</b>													
Agriculture .....	239	100.0	1.7	.8	--	.4	2.1	.4	2.1	16.3	--	1.7	74.5
Mining .....	51	100.0	13.7	3.9	--	15.7	21.6	33.3	7.8	2.0	--	3.9	--
Construction .....	457	100.0	3.1	5.0	--	5.5	49.0	4.4	6.1	25.8	--	1.3	--
Manufacturing .....	2,421	100.0	6.7	1.8	.8	8.8	14.4	52.4	4.6	6.9	--	3.7	--
Durable goods .....	1,356	100.0	7.6	1.6	.3	9.1	17.0	48.7	4.4	7.5	--	3.8	--
Nondurable goods .....	1,065	100.0	5.4	2.0	1.5	8.5	11.0	57.1	4.9	6.1	--	3.6	--
Transportation and public utilities .....	810	100.0	6.0	4.3	.7	25.6	14.3	3.0	27.3	13.8	--	4.8	--
Wholesale and retail trade .....	1,707	100.0	1.7	12.6	13.6	19.0	6.3	6.6	5.9	8.5	--	25.7	--
Wholesale trade .....	289	100.0	3.8	10.0	8.7	20.8	9.3	13.1	16.6	14.2	--	2.8	--
Retail trade .....	1,419	100.0	1.2	13.1	14.7	18.7	5.7	5.2	3.7	7.3	--	30.4	--
Finance, insurance, and real estate .....	565	100.0	6.4	10.3	9.6	58.2	2.8	.4	.5	1.6	--	10.4	--
Services .....	3,927	100.0	27.0	4.3	.2	14.4	3.4	3.6	.8	2.4	8.3	35.5	--
Private households .....	372	100.0	.5	--	--	.8	.5	.3	--	7.3	87.9	3.0	--
Other service industries .....	3,555	100.0	29.8	4.7	.3	15.8	3.7	4.0	.9	1.9	--	38.9	--
Public administration .....	796	100.0	15.1	8.7	.1	45.0	5.7	1.6	1.9	4.1	--	18.0	--



# HOUSEHOLD DATA ANNUAL AVERAGES

## 29. Employed persons in nonagricultural industries by sex, age, and race (Percent distribution)

Sex, age, and race	1981									
	Mining	Construc- tion	Manufacturing			Trans- portation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Service industries <sup>1</sup>	Public adminis- tration
			Total	Durable goods	Non- durable goods					
<b>TOTAL</b>										
Total, 16 years and over (in thousands)	1,079	5,907	21,460	12,973	8,486	6,497	20,048	5,997	27,639	5,128
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
16 to 19 years	3.2	5.0	3.7	3.0	4.9	2.5	16.4	4.5	5.3	2.3
20 years and over	96.8	95.0	96.3	97.0	95.2	97.6	83.6	95.5	94.7	97.7
20 to 24 years	16.9	14.9	13.7	13.5	14.0	11.0	17.4	16.3	12.7	8.1
25 years and over	80.0	80.1	82.5	83.5	81.1	86.5	66.1	79.2	82.0	89.7
25 to 54 years	69.3	67.3	68.6	69.6	67.1	73.7	53.1	64.6	67.3	74.2
55 years and over	10.7	12.7	14.0	13.9	14.0	12.9	13.0	14.6	14.7	15.5
<b>Males, 16 years and over</b>	84.9	91.8	68.4	74.4	59.1	73.6	53.0	41.5	40.3	64.0
16 to 19 years	2.7	4.6	2.5	2.2	3.1	1.8	8.3	1.0	2.2	1.0
20 years and over	82.2	87.2	65.9	72.3	56.1	71.7	44.7	40.5	38.1	63.0
20 to 24 years	13.1	13.8	8.8	9.5	7.8	7.2	8.8	4.2	4.7	3.8
25 years and over	69.1	73.4	57.0	62.8	48.2	64.5	35.9	36.4	33.3	59.2
25 to 54 years	59.6	61.5	47.1	52.0	39.8	54.1	28.7	28.1	26.7	48.7
55 years and over	9.5	11.9	9.9	10.8	8.4	10.4	7.1	8.3	6.6	10.5
<b>Females, 16 years and over</b>	15.1	8.2	31.6	25.6	40.9	26.5	47.0	58.5	59.7	36.0
16 to 19 years	.5	.4	1.2	.8	1.8	.6	8.1	3.5	3.1	1.2
20 years and over	14.6	7.8	30.4	24.7	39.1	25.8	38.9	54.9	56.6	34.7
20 to 24 years	3.7	1.1	4.9	4.0	6.2	3.8	8.6	12.1	7.9	4.3
25 years and over	10.9	6.7	25.5	20.7	32.9	22.0	30.2	42.8	48.7	30.5
25 to 54 years	9.7	5.8	21.5	17.6	27.3	19.6	24.4	36.5	40.6	25.5
55 years and over	1.2	.9	4.1	3.1	5.6	2.4	5.9	6.3	8.1	5.0
<b>White</b>										
<b>Males, 16 years and over</b>	81.1	84.6	61.3	66.9	52.6	64.6	48.3	38.1	35.7	55.8
16 to 19 years	2.5	4.4	2.3	2.0	2.8	1.6	7.6	.9	1.9	.8
20 years and over	78.6	80.1	58.9	64.9	49.8	63.0	40.6	37.2	33.7	55.0
20 to 24 years	12.5	12.9	7.9	8.5	7.0	6.3	8.0	3.5	4.1	3.2
25 years and over	66.1	67.3	51.0	56.4	42.8	56.7	32.6	33.7	29.7	51.8
25 to 54 years	57.0	56.5	41.9	46.4	35.1	47.1	26.0	25.9	23.7	42.3
55 years and over	9.2	10.7	9.1	10.0	7.8	9.5	6.6	7.8	6.0	9.5
<b>Females, 16 years and over</b>	14.2	7.7	27.4	22.6	34.8	22.9	43.2	52.5	51.5	28.6
16 to 19 years	.5	.3	1.1	.8	1.6	.6	7.6	3.2	2.8	.9
20 years and over	13.6	7.4	26.4	21.9	33.2	22.3	35.6	49.3	48.7	27.7
20 to 24 years	3.4	1.0	4.2	3.6	5.2	3.3	7.8	10.6	7.0	3.3
25 years and over	10.3	6.4	22.1	18.3	28.0	19.0	27.8	38.6	41.6	24.4
25 to 54 years	9.1	5.5	18.3	15.4	22.8	16.7	22.3	32.3	34.6	20.1
55 years and over	1.2	.8	3.8	2.9	5.2	2.3	5.5	6.0	7.1	4.4
<b>Black and other</b>										
<b>Males, 16 years and over</b>	3.8	7.3	7.1	7.5	6.5	8.9	4.8	3.4	4.6	8.2
16 to 19 years	.2	.2	.2	.1	.2	.2	.7	.1	.3	.2
20 years and over	3.6	7.1	6.9	7.4	6.2	8.8	4.1	3.3	4.3	8.0
20 to 24 years	.6	.9	.9	1.0	.9	.9	.8	.6	.7	.6
25 years and over	3.1	6.1	6.0	6.4	5.4	7.8	3.3	2.7	3.6	7.4
25 to 54 years	2.6	5.0	5.2	5.5	4.7	6.9	2.7	2.2	3.0	6.4
55 years and over	.5	1.1	.8	.9	.7	.9	.6	.5	.6	1.1
<b>Females, 16 years and over</b>	1.0	.5	4.2	3.0	6.1	3.5	3.8	6.0	8.3	7.3
16 to 19 years	—	—	.1	.1	.2	—	.5	.3	.3	.3
20 years and over	1.0	.4	4.1	2.9	5.9	3.5	3.2	5.7	7.9	7.0
20 to 24 years	.3	.1	.6	.4	1.0	.5	.8	1.5	.9	1.0
25 years and over	.6	.3	3.4	2.4	4.9	3.0	2.4	4.2	7.0	6.0
25 to 54 years	.6	.3	3.2	2.3	4.5	2.9	2.1	3.9	6.0	5.4
55 years and over	—	—	.3	.2	.4	.1	.3	.3	1.0	.6

<sup>1</sup> Excludes private households.

# HOUSEHOLD DATA ANNUAL AVERAGES

## 30. Employed persons by detailed industry, sex, and race

(Numbers in thousands)

Industry	1981			Industry	1981		
	Total employed	Percent of total			Total employed	Percent of total	
		Females	Black and other			Females	Black and other
Total, 16 years and over .....	98,313	42.9	11.2				
Agriculture, forestry, and fisheries .....	3,458	19.8	7.3	Nondurable goods industries—Continued			
Agricultural production .....	2,759	18.8	6.6	Tobacco manufactures .....	67	31.3	28.4
Agricultural services, except horticultural .....	267	43.4	6.7	Textile mill products .....	720	50.8	19.4
Horticultural services .....	285	8.1	14.0	Knitting mills .....	187	72.2	19.3
Forestry .....	85	28.2	7.1	Yarn, thread, and fabric mills .....	397	45.3	19.9
Fisheries .....	61	4.9	11.5	Miscellaneous textile mill products .....	57	38.6	22.8
Mining .....	1,079	15.1	4.7	Apparel and other fabricated textile products .....	1,224	77.9	18.2
Metal mining .....	127	9.4	3.1	Apparel and accessories .....	1,071	80.2	18.6
Coal mining .....	231	5.6	3.9	Miscellaneous fabricated textile products .....	152	61.8	15.8
Crude petroleum and natural gas extraction .....	609	21.2	4.9	Paper and allied products .....	723	22.7	9.7
Nonmetallic mining and quarrying, except fuel .....	111	8.1	7.2	Pulp, paper, and paperboard mills .....	309	13.9	9.1
Construction .....	5,907	8.2	7.7	Miscellaneous paper and pulp products .....	220	33.6	8.6
General building contractors .....	1,480	7.1	7.4	Paperboard containers and boxes .....	194	24.2	11.9
General contractors, except building .....	1,032	9.2	9.6	Printing, publishing, and allied industries .....	1,572	41.9	7.1
Special trade contractors .....	2,893	7.8	6.9	Newspaper publishing and printing .....	499	42.1	5.6
Not specified construction .....	502	11.4	9.8	Printing, publishing, and allied industries, except newspapers .....	1,073	41.8	7.8
Manufacturing .....	21,460	31.6	11.3	Chemicals and allied products .....	1,265	27.7	13.1
Durable goods .....	12,973	25.6	10.5	Industrial chemicals .....	463	17.9	12.1
Lumber and wood products, except furniture .....	663	12.7	15.4	Plastics, synthetics and resins, except fibers .....	84	20.2	9.5
Logging .....	169	4.7	18.9	Synthetic fibers .....	91	34.1	17.6
Sawmills, planing mills, and mill work .....	358	12.8	14.0	Drugs and medicines .....	219	40.6	11.4
Miscellaneous wood products .....	136	22.1	14.7	Soaps and cosmetics .....	169	47.9	14.2
Furniture and fixtures .....	510	30.4	8.4	Paints, varnishes, and related products .....	75	18.7	14.7
Stone, clay, and glass products .....	632	20.6	12.3	Agricultural chemicals .....	64	17.2	21.9
Glass and glass products .....	205	29.3	13.7	Miscellaneous chemicals .....	99	24.2	12.1
Cement, concrete, gypsum, and plaster products .....	210	9.0	13.8	Petroleum and coal products .....	227	19.8	10.6
Miscellaneous nonmetallic mineral and stone products .....	148	23.6	9.5	Petroleum refining .....	194	19.6	10.3
Primary metal industries .....	1,148	11.6	13.9	Rubber and miscellaneous plastic products .....	657	35.0	8.5
Blast furnaces, steelworks, rolling and finishing mills .....	444	6.3	12.6	Rubber products .....	255	30.6	9.8
Other primary iron and steel industries .....	322	11.2	18.3	Miscellaneous plastic products .....	401	37.9	7.7
Primary aluminum industries .....	185	14.6	11.9	Leather and leather products .....	256	63.3	7.4
Other primary nonferrous industries .....	196	21.4	12.2	Footwear, except rubber .....	188	66.5	4.8
Fabricated metal products .....	1,423	22.2	8.1	Leather products, except footwear .....	51	64.7	11.8
Cutlery, hand tools and other hardware .....	167	36.5	9.6	Transportation, communications, and other public utilities .....	6,497	26.5	12.5
Fabricated structural metal products .....	536	14.4	6.5	Transportation .....	3,630	21.0	12.5
Screw machine products .....	93	32.3	5.4	Railroads and railway express service .....	540	7.2	9.6
Metal stamping .....	111	20.7	10.8	Street railways and bus lines .....	553	40.0	21.3
Miscellaneous fabricated metal products .....	515	24.3	8.7	Taxicab service .....	95	8.4	31.6
Machinery, except electrical .....	2,818	21.4	7.3	Trucking service .....	1,357	12.2	9.0
Engines and turbines .....	132	17.4	6.8	Warehousing and storage .....	143	25.2	11.2
Farm machinery and equipment .....	171	16.4	9.4	Water transportation .....	193	13.0	17.1
Construction and material handling machines .....	403	14.1	9.4	Air transportation .....	539	29.3	11.7
Metalworking machinery .....	367	19.1	3.8	Services incidental to transportation .....	190	57.9	8.4
Office and accounting machines .....	132	31.8	14.4	Communications .....	1,471	47.2	12.8
Electronic computing equipment .....	492	33.3	8.3	Radio broadcasting and television .....	211	37.9	10.0
Machinery, except electrical, n.e.c. .....	1,121	19.4	6.4	Telephone (wire and radio) .....	1,143	50.6	14.0
Electrical machinery, equipment, and supplies .....	2,317	43.0	10.6	Telegraph and miscellaneous communications services .....	117	31.6	6.8
Household appliances .....	151	34.4	9.9	Utilities and sanitary services .....	1,397	18.6	12.1
Radio, T.V., and communication equipment .....	596	41.8	12.6	Electric light and power .....	611	19.1	8.8
Electrical machinery, equipment, and supplies, n.e.c. .....	1,563	44.3	9.9	Electric-gas utilities .....	178	20.8	11.2
Transportation equipment .....	2,107	17.1	13.1	Gas and steam supply systems .....	176	22.2	7.4
Motor vehicles and motor vehicle equipment .....	1,015	14.8	14.2	Water supply .....	176	21.0	12.5
Aircraft and parts .....	669	22.4	9.6	Sanitary services .....	226	8.8	25.2
Ship and boat building and repairing .....	292	12.0	19.2	Wholesale and retail trade .....	20,048	47.0	8.5
Mobile dwellings and campers .....	56	17.9	10.7	Wholesale trade .....	3,920	25.8	7.4
Professional and photographic equipment, and watches .....	609	41.5	8.2	Motor vehicles and equipment .....	244	23.8	5.7
Scientific and controlling instruments .....	201	37.3	6.5	Drugs, chemicals, and allied products .....	190	31.1	7.9
Optical and health services supplies .....	240	51.7	8.3	Dry goods and apparel .....	109	40.4	6.4
Photographic equipment and supplies .....	144	30.6	10.4	Food and related products .....	605	24.0	10.9
Ordnance .....	248	24.2	8.1	Farm products—raw materials .....	123	22.8	4.9
Miscellaneous manufacturing industries .....	499	45.5	11.4	Electrical goods .....	230	30.0	6.1
Nondurable goods industries .....	8,486	40.9	12.6	Hardware, plumbing, and heating supplies .....	151	22.5	3.3
Food and kindred products .....	1,745	29.2	13.2	Machinery equipment and supplies .....	898	25.2	4.6
Meat products .....	356	31.7	14.6	Metals and minerals, n.e.c. .....	111	18.9	8.1
Dairy products .....	187	19.3	5.9	Petroleum products .....	177	24.9	4.5
Canning and preserving fruits, vegetables, and seafood .....	255	43.1	12.9	Scrap and waste materials .....	133	9.0	15.0
Grain-mill products .....	146	21.9	10.3	Alcoholic beverages .....	129	14.7	10.1
Bakery products .....	288	26.0	14.9	Paper and its products .....	96	27.1	8.3
Confectionery and related products .....	64	50.0	17.2	Lumber and construction materials .....	156	20.5	7.7
Beverage industries .....	240	21.3	11.3	Wholesalers, n.e.c. .....	557	33.9	9.0
Miscellaneous food preparation and kindred products .....	209	28.2	18.7	Retail trade .....	16,129	52.1	8.8
				Lumber and building material retailing .....	420	24.3	6.0
				Hardware and farm equipment stores .....	288	29.5	3.1
				Department and mail order establishments .....	2,060	70.7	11.2

# HOUSEHOLD DATA ANNUAL AVERAGES

## 30. Employed persons by detailed industry, sex, and race—Continued

(Numbers in thousands)

Industry	1981			Industry	1981		
	Total employed	Percent of total			Total employed	Percent of total	
		Females	Black and other			Females	Black and other
Wholesale and retail trade—Continued				Service industries—Continued			
Retail trade—Continued				Business and repair services—Continued			
Limited price variety stores . . . . .	148	77.0	10.1	Automobile services, except repair . . . . .	227	26.0	14.1
Vending machine operators . . . . .	82	40.2	9.8	Automobile repair and related services . . . . .	734	8.3	7.4
Direct selling establishments . . . . .	322	78.0	6.2	Electrical repair shops . . . . .	146	15.8	8.9
Miscellaneous general merchandise stores . . . . .	193	74.1	12.4	Miscellaneous repair services . . . . .	470	15.1	5.7
Grocery stores . . . . .	2,235	46.7	9.1	Personal services . . . . .	3,810	72.7	19.7
Dairy products stores . . . . .	49	61.2	2.0	Private households . . . . .	1,248	84.8	29.8
Retail bakeries . . . . .	141	63.8	6.4	Hotels and motels . . . . .	779	58.9	21.3
Food stores, n.e.c. . . . .	164	52.4	8.5	Lodging places, except hotels and motels . . . . .	374	81.3	6.7
Motor vehicle dealers . . . . .	800	15.4	5.6	Laundrying, cleaning, and other garment services . . . . .	407	58.7	21.9
Tire, battery, and accessory dealers . . . . .	321	18.4	6.5	Beauty shops . . . . .	571	89.1	9.3
Gasoline service stations . . . . .	585	14.7	6.2	Barber shops . . . . .	104	18.3	13.5
Miscellaneous vehicle dealers . . . . .	99	22.2	3.0	Dressmaking shops . . . . .	46	95.7	13.0
Apparel and accessory stores, except shoe stores . . . . .	675	77.3	8.3	Miscellaneous personal services . . . . .	258	51.6	7.8
Shoe stores . . . . .	142	46.5	12.0	Entertainment and recreation services . . . . .	1,076	39.5	8.6
Furniture and home furnishings stores . . . . .	456	35.3	7.5	Theaters and motion pictures . . . . .	358	33.8	8.1
Household appliances, T.V., and radio stores . . . . .	295	29.2	4.1	Bowling alleys, billiard and pool parlors . . . . .	86	43.0	5.8
Eating and drinking places . . . . .	4,469	59.8	10.8	Miscellaneous entertainment and recreation services . . . . .	632	42.2	9.3
Drug stores . . . . .	457	62.6	7.2	Professional and related services . . . . .	19,810	65.7	13.4
Liquor stores . . . . .	158	32.9	13.9	Offices of physicians . . . . .	789	67.6	5.3
Farm and garden supply stores . . . . .	148	27.0	6.8	Offices of dentists . . . . .	415	70.4	4.1
Jewelry stores . . . . .	155	58.7	7.7	Hospitals . . . . .	4,095	76.6	18.8
Fuel and ice dealers . . . . .	98	24.5	2.0	Convalescent institutions . . . . .	1,216	87.0	18.8
Retail florists . . . . .	146	74.0	8.9	Offices of health practitioners, n.e.c. . . . .	82	54.9	3.7
Miscellaneous retail stores . . . . .	1,005	56.9	5.8	Health services, n.e.c. . . . .	864	72.7	19.3
Finance, insurance, and real estate . . . . .	5,997	58.5	9.4	Legal services . . . . .	796	51.0	4.8
Banking . . . . .	1,721	73.1	12.1	Elementary and secondary schools . . . . .	5,354	70.8	12.8
Credit agencies . . . . .	558	67.4	6.5	Colleges and universities . . . . .	2,104	50.0	11.6
Security, commodity brokerage, and investment companies . . . . .	377	36.3	6.1	Libraries . . . . .	136	80.9	11.8
Insurance . . . . .	1,894	55.7	9.4	Educational services, n.e.c. . . . .	271	64.6	10.7
Real estate, including real estate-insurance-law offices . . . . .	1,447	46.9	8.3	Museums, art galleries, and zoos . . . . .	73	52.1	6.8
Service industries . . . . .	28,740	61.0	13.6	Religious organizations . . . . .	629	40.5	8.4
Business and repair services . . . . .	4,044	32.6	10.1	Welfare services . . . . .	848	71.3	23.8
Advertising . . . . .	207	48.3	6.8	Residential welfare facilities . . . . .	124	65.3	18.5
Services to dwellings and other buildings . . . . .	365	37.5	23.3	Nonprofit membership organizations . . . . .	471	55.6	9.8
Commercial research, development, and testing labs . . . . .	171	27.5	9.4	Engineering and architectural services . . . . .	616	19.8	6.7
Employment and temporary help agencies . . . . .	221	73.3	10.9	Accounting, auditing, and bookkeeping services . . . . .	478	47.5	4.8
Business management and consulting services . . . . .	343	52.2	5.8	Miscellaneous professional and related services . . . . .	406	45.3	6.7
Computer programming services . . . . .	222	38.3	8.6	Public administration . . . . .	5,128	36.0	15.5
Detective and protective services . . . . .	237	18.6	21.5	Postal service . . . . .	672	26.6	21.9
Business services, n.e.c. . . . .	699	50.4	7.7	Federal public administration . . . . .	1,591	39.3	19.2
				State public administration . . . . .	961	39.5	10.3
				Local public administration . . . . .	1,904	34.6	12.9

NOTE: N.E.C. is an abbreviation for "not elsewhere classified" and designates broad categories of industries which cannot be more specifically identified.

# HOUSEHOLD DATA ANNUAL AVERAGES

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

[In thousands]

Reason not working and sex	All industries		Nonagricultural industries					
			Total		Wage and salary workers <sup>1</sup>			
	1980				1981		Paid absences <sup>2</sup>	
			1980	1981			1980	1981
Total, 16 years and over .....	5,785	5,691	5,635	5,557	2,862	2,888	2,195	2,101
Vacation .....	3,268	3,194	3,226	3,151	2,153	2,103	860	842
Illness .....	1,404	1,391	1,370	1,358	528	574	720	664
Bad weather .....	153	110	118	87	--	--	--	--
Industrial dispute .....	104	63	104	63	--	--	--	--
All other reasons .....	856	933	817	897	181	210	615	595
Males, 16 years and over .....	3,057	2,911	2,930	2,800	1,618	1,604	965	853
Vacation .....	1,642	1,570	1,608	1,536	1,213	1,166	275	253
Illness .....	775	763	747	736	308	333	369	334
All other reasons <sup>3</sup> .....	638	578	575	527	98	105	321	266
Females, 16 years and over .....	2,728	2,780	2,706	2,757	2,474	1,286	1,230	1,249
Vacation .....	1,626	1,624	1,618	1,615	940	938	586	589
Illness .....	628	628	623	622	220	241	351	332
All other reasons <sup>3</sup> .....	474	528	464	521	83	107	293	329

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

<sup>2</sup> Pay status not available separately for bad weather and industrial disputes; 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.

## 32. Persons at work by hours of work and industry

Hours of work	1981					
	Thousands of persons			Percent distribution		
	All industries	Nonagri-cultural industries	Agri-culture	All industries	Nonagri-cultural industries	Agri-culture
Total, 16 years and over .....	92,622	89,445	3,177	100.0	100.0	100.0
1-34 hours .....	26,012	25,072	941	28.1	28.0	29.6
1-4 hours .....	784	738	47	.8	.8	1.5
5-14 hours .....	4,163	3,960	203	4.5	4.4	6.4
15-29 hours .....	11,669	11,195	474	12.6	12.5	14.9
30-34 hours .....	9,396	9,179	217	10.1	10.3	6.8
35 hours and over .....	66,610	64,373	2,237	71.9	72.0	70.4
35-39 hours .....	6,532	6,380	152	7.1	7.1	4.8
40 hours .....	37,798	37,254	544	40.8	41.7	17.1
41 hours and over .....	22,280	20,739	1,541	24.1	23.2	48.5
41 to 48 hours .....	8,631	8,391	240	9.3	9.4	7.6
49 to 59 hours .....	7,692	7,277	415	8.3	8.1	13.1
60 hours and over .....	5,957	5,071	886	6.4	5.7	27.9
Average hours, total at work .....	38.1	37.8	44.9	--	--	--
Average hours, workers on full-time schedules .....	42.4	42.0	52.9	--	--	--

# HOUSEHOLD DATA ANNUAL AVERAGES

## 33. Persons at work 1 to 34 hours by reason for working less than 35 hours and usual status

[Numbers in thousands]

Reason for working less than 35 hours	1981					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
<b>Total, 16 years and over</b> .....	<b>26,012</b>	<b>10,393</b>	<b>15,619</b>	<b>25,072</b>	<b>10,050</b>	<b>15,022</b>
<b>Economic reasons</b> .....	<b>4,658</b>	<b>1,834</b>	<b>2,824</b>	<b>4,397</b>	<b>1,692</b>	<b>2,705</b>
Slack work .....	2,386	1,491	895	2,197	1,360	837
Material shortages or repairs to plant and equipment .....	63	63	--	60	60	--
New job started during week .....	189	189	--	184	184	--
Job terminated during week .....	91	91	--	88	88	--
Could find only part-time work .....	1,928	--	1,928	1,868	--	1,868
<b>Other reasons</b> .....	<b>21,354</b>	<b>8,559</b>	<b>12,795</b>	<b>20,675</b>	<b>8,359</b>	<b>12,316</b>
Does not want, or unavailable for, full-time work .....	10,708	--	10,708	10,333	--	10,333
Vacation .....	1,180	1,180	--	1,161	1,161	--
Illness .....	1,727	1,556	171	1,680	1,527	153
Bad weather .....	442	442	--	355	355	--
Industrial dispute .....	28	28	--	28	28	--
Legal or religious holiday .....	3,962	3,962	--	3,945	3,945	--
Full time for this job .....	1,393	--	1,393	1,351	--	1,351
All other reasons .....	1,915	1,392	523	1,821	1,342	479
<b>Average hours:</b>						
Economic reasons .....	21.7	24.0	20.2	21.8	24.1	20.3
Other reasons .....	22.5	28.1	18.8	22.7	28.2	18.9
<b>Worked 30 to 34 hours:</b>						
Economic reasons .....	1,433	787	646	1,363	737	626
Other reasons .....	7,963	5,765	2,198	7,816	5,685	2,131

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

[Numbers in thousands]

Industry	1981							Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	Full- or part-time status							
		On part time for economic reasons	On voluntary part time	On full-time schedules					
				Total	40 hours or less	41 to 48 hours	49 hours or more		
<b>Total, 16 years and over<sup>1</sup></b> .....	<b>89,445</b>	<b>4,397</b>	<b>12,316</b>	<b>72,732</b>	<b>51,993</b>	<b>8,391</b>	<b>12,348</b>	<b>37.8</b>	<b>42.0</b>
<b>Wage and salary workers</b> .....	<b>82,636</b>	<b>3,866</b>	<b>11,077</b>	<b>67,693</b>	<b>49,665</b>	<b>7,843</b>	<b>10,185</b>	<b>37.6</b>	<b>41.6</b>
Construction .....	4,512	361	191	3,960	2,994	383	583	38.5	41.1
Manufacturing .....	19,969	652	620	18,697	13,970	2,475	2,252	40.0	41.2
Durable goods .....	12,057	263	258	11,536	8,668	1,499	1,369	40.4	41.2
Nondurable goods .....	7,912	390	361	7,161	5,301	976	884	39.4	41.2
Transportation and public utilities .....	5,782	186	362	5,234	3,791	594	849	40.1	42.2
Wholesale and retail trade .....	17,254	1,246	4,244	11,764	7,700	1,767	2,297	35.6	42.8
Finance, insurance, and real estate .....	5,283	109	510	4,664	3,636	432	596	38.2	40.5
Service industries .....	24,014	1,219	4,856	17,929	13,465	1,645	2,819	35.6	41.3
Private households .....	1,130	211	566	353	246	28	79	23.0	43.7
All other industries .....	22,884	1,008	4,300	17,576	13,219	1,617	2,740	36.2	41.3
Public administration .....	4,855	74	265	4,516	3,577	418	521	39.1	40.6
<b>Self-employed workers</b> .....	<b>6,428</b>	<b>517</b>	<b>1,089</b>	<b>4,822</b>	<b>2,209</b>	<b>526</b>	<b>2,087</b>	<b>40.5</b>	<b>48.0</b>
Unpaid family workers .....	381	15	150	216	119	22	75	35.8	46.2

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

# HOUSEHOLD DATA ANNUAL AVERAGES

## 35. 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	1981							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
<b>TOTAL</b>								
Both sexes, 16 years and over	89,445	4,397	12,316	72,732	51,993	20,739	37.8	42.0
16 to 21 years	11,325	1,132	4,045	6,148	4,885	1,263	30.1	40.7
16 to 19 years	6,503	719	3,149	2,635	2,124	511	26.5	40.1
16 to 17 years	2,510	248	1,818	444	374	70	20.0	38.8
18 to 19 years	3,993	471	1,331	2,191	1,751	440	30.7	40.4
20 years and over	82,941	3,679	9,167	70,095	49,867	20,228	38.7	42.1
20 to 24 years	12,681	894	1,738	10,049	7,689	2,360	36.8	41.0
25 years and over	70,260	2,785	7,428	60,047	42,180	17,867	39.0	42.3
25 to 44 years	43,306	1,739	3,854	37,713	26,149	11,564	39.6	42.4
45 to 64 years	24,577	948	2,423	21,206	15,223	5,983	39.2	42.1
65 years and over	2,377	99	1,151	1,127	806	321	28.9	42.0
<b>Males, 16 years and over</b>	<b>50,714</b>	<b>2,024</b>	<b>3,638</b>	<b>45,052</b>	<b>29,202</b>	<b>15,850</b>	<b>40.7</b>	<b>43.4</b>
16 to 21 years	5,799	548	1,849	3,402	2,518	884	31.7	41.3
16 to 19 years	3,313	351	1,484	1,478	1,126	352	27.9	40.9
16 to 17 years	1,283	130	879	274	223	51	21.1	39.3
18 to 19 years	2,030	222	606	1,202	900	302	32.3	41.3
20 years and over	47,401	1,671	2,153	43,577	28,079	15,498	41.6	43.5
20 to 24 years	6,631	435	669	5,527	3,860	1,667	38.7	42.3
25 years and over	40,770	1,238	1,485	38,047	24,216	13,831	42.1	43.6
25 to 44 years	24,900	780	474	23,646	14,702	8,944	42.8	43.9
45 to 64 years	14,476	405	396	13,675	9,017	4,658	42.0	43.3
65 years and over	1,395	51	615	729	501	228	30.3	42.2
<b>Females, 16 years and over</b>	<b>38,730</b>	<b>2,375</b>	<b>8,678</b>	<b>27,677</b>	<b>22,788</b>	<b>4,889</b>	<b>34.0</b>	<b>39.8</b>
16 to 21 years	5,526	585	2,196	2,745	2,366	379	28.4	39.1
16 to 19 years	3,190	368	1,665	1,157	998	159	25.1	39.1
16 to 17 years	1,227	118	940	169	149	20	18.8	38.0
18 to 19 years	1,963	250	725	988	848	140	29.0	39.2
20 years and over	35,540	2,007	7,014	26,519	21,790	4,729	34.8	39.6
20 to 24 years	6,050	459	1,069	4,522	3,828	694	34.7	39.5
25 years and over	29,490	1,547	5,945	21,998	17,961	4,037	34.9	39.9
25 to 44 years	18,406	957	3,381	14,068	11,448	2,620	35.3	39.8
45 to 64 years	10,101	542	2,027	7,532	6,210	1,322	35.0	39.9
65 years and over	983	49	537	397	304	93	26.8	41.6
<b>RACE</b>								
White, 16 years and over	79,381	3,672	11,295	64,414	45,074	19,340	38.0	42.2
Males	45,548	1,715	3,299	40,534	25,649	14,885	41.0	43.6
Females	33,833	1,957	7,997	23,879	19,425	4,454	33.9	39.2
Black and other, 16 years and over	10,063	726	1,021	8,316	6,917	1,399	36.9	40.4
Males	5,166	307	339	4,520	3,555	965	38.7	41.8
Females	4,898	418	682	3,798	3,364	434	35.0	39.3
<b>MARITAL STATUS</b>								
<b>Males, 16 years and over:</b>								
Married, spouse present	34,376	924	1,136	32,316	20,308	12,008	42.4	43.7
Widowed, divorced, or separated	4,399	210	202	3,987	2,591	1,396	41.4	43.6
Single (never married)	11,940	889	2,300	8,751	6,305	2,446	35.8	42.0
<b>Females, 16 years and over:</b>								
Married, spouse present	21,223	1,108	5,117	14,998	12,534	2,464	33.8	39.5
Widowed, divorced, or separated	7,655	498	1,031	6,126	4,863	1,263	36.5	40.4
Single (never married)	9,853	769	2,530	6,554	5,393	1,161	32.6	39.8

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

(Number in thousands)

Occupation and sex	1981								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full- time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
<b>Total, 18 years and over</b>	<b>90,013</b>	<b>4,453</b>	<b>12,416</b>	<b>73,144</b>	<b>52,236</b>	<b>8,444</b>	<b>12,464</b>	<b>37.9</b>	<b>42.1</b>
White-collar workers	48,798	1,413	6,745	40,640	28,356	4,398	7,886	38.5	42.3
Professional and technical	14,818	314	1,662	12,842	8,854	1,397	2,591	39.2	42.3
Managers and administrators, except farm	10,751	153	520	10,078	5,317	1,326	3,435	44.3	45.8
Sales workers	5,965	327	1,436	4,202	2,612	521	1,069	36.2	43.5
Clerical workers	17,265	619	3,126	13,520	11,573	1,155	792	35.0	39.2
Blue-collar workers	28,815	1,803	1,893	25,119	18,210	3,323	3,586	39.1	41.8
Craft and kindred workers	11,701	562	415	10,724	7,484	1,514	1,726	40.4	42.1
Operatives, except transport	9,711	604	501	8,606	6,695	1,069	842	38.8	40.8
Transport equipment operatives	3,174	203	266	2,705	1,606	396	703	41.0	44.7
Nonfarm laborers	4,229	434	712	3,083	2,423	345	315	34.7	40.6
Service workers	12,400	1,237	3,778	7,385	5,670	723	992	32.4	41.6
Private household workers	979	160	491	328	230	27	71	23.9	43.2
Other service workers	11,421	1,076	3,287	7,058	5,442	696	920	33.2	41.5
<b>Males, 18 years and over</b>	<b>51,119</b>	<b>2,064</b>	<b>3,687</b>	<b>45,368</b>	<b>29,384</b>	<b>5,932</b>	<b>10,052</b>	<b>40.7</b>	<b>43.4</b>
White-collar workers	22,910	413	1,390	21,107	12,336	2,644	6,127	42.6	44.6
Professional and technical	8,379	124	454	7,801	4,930	871	2,000	42.0	43.8
Managers and administrators, except farm	7,830	104	212	7,514	3,615	997	2,902	45.7	46.8
Sales workers	3,306	93	343	2,870	1,565	405	900	41.5	44.9
Clerical workers	3,394	93	380	2,921	2,225	371	325	37.9	40.9
Blue-collar workers	23,477	1,330	1,307	20,840	14,618	2,888	3,334	39.8	42.2
Craft and kindred workers	10,966	516	319	10,131	7,030	1,438	1,663	40.6	42.2
Operatives, except transport	5,862	251	236	5,375	3,922	754	699	40.2	41.8
Transport equipment operatives	2,905	176	156	2,573	1,508	383	682	42.0	44.8
Nonfarm laborers	3,744	385	597	2,762	2,160	313	289	34.9	40.7
Service workers	4,732	321	990	3,421	2,430	400	591	36.3	43.0
Private household workers	36	4	17	15	10	1	4	26.5	44.7
Other service workers	4,697	318	972	3,407	2,418	400	589	36.4	43.0
<b>Females, 18 years and over</b>	<b>38,894</b>	<b>2,389</b>	<b>8,729</b>	<b>27,776</b>	<b>22,854</b>	<b>2,511</b>	<b>2,411</b>	<b>34.0</b>	<b>39.8</b>
White-collar workers	25,888	1,000	5,355	19,533	16,021	1,753	1,759	34.8	39.7
Professional and technical	6,438	191	1,208	5,039	3,922	526	591	35.5	40.1
Managers and administrators, except farm	2,921	48	308	2,565	1,702	329	534	40.3	43.0
Sales workers	2,659	234	1,093	1,332	1,049	115	168	29.6	40.3
Clerical workers	13,870	526	2,746	10,598	9,347	784	467	34.3	38.7
Blue-collar workers	5,338	474	586	4,278	3,591	435	252	36.0	39.5
Craft and kindred workers	734	46	96	592	454	76	62	36.8	40.6
Operatives, except transport	3,849	353	265	3,231	2,774	314	143	36.6	39.2
Transport equipment operatives	269	26	110	133	99	13	21	30.1	41.2
Nonfarm laborers	486	48	115	323	265	32	26	33.2	39.9
Service workers	7,668	915	2,788	3,965	3,242	323	400	30.0	40.4
Private household workers	943	156	473	314	220	26	68	23.8	43.1
Other service workers	6,725	759	2,315	3,651	3,021	297	333	30.9	40.2

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

[Numbers in thousands]

Employment status	1981								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,278	3,702	3,576	6,028	3,074	2,953	1,250	628	622
Civilian labor force	1,274	703	571	1,164	645	520	110	59	51
Employed	1,063	578	486	1,002	545	457	61	33	29
Agriculture	119	98	21	115	95	20	4	4	1
Nonagricultural industries	944	480	464	887	450	437	57	29	28
Unemployed	210	125	85	162	100	63	48	26	22
Unemployment rate	16.5	17.8	14.9	13.9	15.5	12.1	43.6	44.1	43.1
Not in labor force	6,004	2,999	3,005	4,863	2,430	2,434	1,141	569	571
Keeping house	90	8	82	71	7	64	20	1	18
Going to school	4,725	2,398	2,327	3,820	1,943	1,877	904	455	450
Unable to work	6	4	2	4	2	2	3	2	1
All other reasons	1,183	588	594	969	477	491	214	111	103

## 38. Employed 14- and 15-year-olds by class of worker, occupation, and sex

Class of worker and occupation	1981					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
<b>CLASS OF WORKER</b>						
<b>Total</b>	1,063	578	486	100.0	100.0	100.0
Nonagricultural industries	944	480	464	104.0	134.8	84.1
Wage and salary workers	855	413	442	94.2	116.0	80.1
Private household workers	328	84	245	36.1	23.6	44.4
Government workers	43	25	18	4.7	7.0	3.3
Other wage and salary workers	328	84	245	36.1	23.6	44.4
Self-employed workers	75	55	19	8.3	15.4	3.4
Unpaid family workers	15	11	4	1.7	3.1	.7
Agriculture	119	98	21	13.1	27.5	3.8
Wage and salary workers	66	54	12	7.3	15.2	2.2
Self-employed workers	18	16	2	2.0	4.5	.4
Unpaid family workers	35	27	7	3.9	7.6	1.3
<b>OCCUPATION</b>						
<b>Total</b>	1,063	578	486	100.0	100.0	100.0
White-collar workers	282	185	97	26.6	32.0	20.0
Professional and technical	14	8	6	1.3	1.4	1.2
Managers and administrators, except farm	4	4	1	.4	.7	.2
Sales workers	206	156	50	19.4	26.9	10.3
Clerical workers	58	18	41	5.5	3.1	8.4
Blue-collar workers	207	185	22	19.5	32.0	4.5
Craft and kindred workers	14	12	3	1.3	2.1	.6
Operatives, except transport	28	21	7	2.6	3.6	1.4
Transport equipment operatives	3	2	1	.3	.3	.2
Nonfarm laborers	161	150	11	15.2	25.9	2.3
Service workers	479	130	348	45.1	22.5	71.6
Private household workers	262	19	243	24.7	.3	50.0
Other service workers	217	112	105	20.4	19.3	21.6
Farm workers	95	78	18	8.9	13.5	3.7
Farmers and farm managers	4	3	1	.4	.5	.2
Farm laborers and supervisors	91	74	17	8.6	12.8	3.5



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## 39. Persons not in labor force by reason, sex, and age

(In thousands)

Reason and sex	Total		Age in years								
			16 to 19 years		20 to 24 years		25 to 59 years		60 years and over		
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	
<b>TOTAL</b>											
Total not in labor force .....	59,425	60,043	7,000	7,057	4,534	4,538	21,808	21,604	26,082	26,845	
Do not want a job now .....	53,893	54,353	5,550	5,561	3,610	3,582	19,185	18,910	25,546	26,302	
Current activity:											
Going to school .....	6,156	6,230	4,105	4,118	1,458	1,475	576	626	15	12	
Ill, disabled .....	4,375	4,184	32	35	107	114	2,160	1,992	2,076	2,044	
Keeping house .....	28,643	28,130	527	466	1,581	1,528	14,181	13,845	12,352	12,291	
Retired .....	10,738	11,589	--	--	--	--	234	253	10,505	11,335	
Other .....	3,981	4,220	886	942	464	465	2,034	2,194	598	620	
Want a job now .....	5,531	5,689	1,450	1,496	922	955	2,621	2,697	537	543	
Reason not looking:											
School attendance .....	1,465	1,511	1,005	1,039	273	281	182	187	6	4	
Ill, health, disability .....	740	754	28	26	55	64	502	500	155	164	
Home responsibilities .....	1,237	1,249	84	74	266	265	849	877	38	34	
Think cannot get job .....	970	1,080	171	186	148	159	475	555	176	181	
Job-market factors .....	648	791	106	132	115	131	354	439	74	88	
Personal factors .....	322	289	67	55	33	29	121	115	103	92	
Other reasons <sup>1</sup> .....	1,119	1,095	162	170	180	186	613	578	162	160	
<b>Males</b>											
Total not in labor force .....	17,554	18,136	3,181	3,232	1,347	1,397	3,296	3,410	9,731	10,097	
Do not want a job now .....	15,781	16,275	2,495	2,505	1,060	1,098	2,761	2,839	9,465	9,834	
Current activity:											
Going to school .....	3,062	3,079	2,031	2,001	767	784	259	290	6	3	
Ill, disabled .....	2,354	2,235	17	19	51	62	1,193	1,115	1,093	1,041	
Keeping house .....	297	278	8	12	6	5	74	90	207	170	
Retired .....	7,919	8,380	--	--	--	--	195	212	7,725	8,168	
Other .....	2,149	2,303	439	473	236	247	1,640	1,132	434	452	
Want a job now .....	1,773	1,861	686	727	287	301	537	571	264	264	
Reason not looking:											
School attendance .....	729	752	517	535	139	142	73	74	--	2	
Ill, health, disability .....	325	354	13	13	28	35	205	220	80	85	
Think cannot get job .....	351	391	86	103	55	59	118	139	93	91	
Other reasons <sup>1</sup> .....	368	364	70	76	65	65	141	138	91	86	
<b>Females</b>											
Total not in labor force .....	41,871	41,907	3,819	3,824	3,187	3,141	18,512	18,193	16,353	16,748	
Do not want a job now .....	38,112	38,078	3,054	3,053	2,552	2,485	16,426	16,069	16,081	16,467	
Current activity:											
Going to school .....	3,094	3,151	2,074	2,115	692	692	318	333	11	8	
Ill, disabled .....	2,021	1,948	16	15	56	53	968	879	983	1,002	
Keeping house .....	28,346	27,852	518	454	1,576	1,522	14,106	13,753	12,144	12,121	
Retired .....	2,819	3,210	--	--	--	--	39	43	2,780	3,168	
Other .....	1,832	1,917	446	469	228	218	995	1,061	163	168	
Want a job now .....	3,759	3,828	765	770	635	656	2,087	2,125	272	282	
Reason not looking:											
School attendance .....	736	759	488	504	134	139	109	114	5	3	
Ill, health, disability .....	415	400	15	13	27	29	297	279	75	80	
Home responsibilities .....	1,237	1,249	84	74	266	265	849	877	38	34	
Think cannot get job .....	620	689	86	83	93	102	358	415	83	90	
Other reasons <sup>1</sup> .....	751	731	92	96	115	121	474	440	71	75	

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

NOTE: Detail in tables 39, 40, and 42 may not add to not-in-labor-force totals because of differences in the weighting patterns used in aggregating these data.

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## 40. Persons not in labor force by reason, race, age, and sex

[In thousands]

Reason and race	Total		Age						Sex			
			16 to 24 years		25 to 59 years		60 years and over		Males		Females	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
<b>WHITE</b>												
Total not in labor force	51,486	51,793	9,079	9,054	18,873	18,529	23,535	24,211	14,868	15,284	36,618	36,509
Do not want a job now	47,337	47,607	7,368	7,318	16,883	16,520	23,087	23,773	13,544	13,939	33,793	33,668
Current activity:												
Going to school	4,906	4,929	4,428	4,448	465	475	14	7	2,468	2,469	2,438	2,460
Ill, disabled	3,504	3,362	109	109	1,697	1,566	1,697	1,689	1,915	1,810	1,589	1,552
Keeping house	25,975	25,445	1,788	1,694	12,838	12,436	11,349	11,317	242	226	25,733	25,219
Retired	9,709	10,435	—	—	211	232	9,496	10,202	7,184	7,589	2,525	2,846
Other	3,243	3,436	1,042	1,067	1,672	1,811	531	558	1,735	1,845	1,508	1,591
Want a job now	4,149	4,187	1,712	1,737	1,988	2,010	447	438	1,324	1,346	2,825	2,841
Reason not looking:												
School attendance	1,070	1,069	946	947	121	118	3	4	545	534	525	535
Ill health, disability	527	532	61	69	348	345	119	118	236	256	291	276
Home responsibilities	976	940	255	229	688	684	33	27	—	—	976	940
Think cannot get job	663	740	185	214	329	384	149	141	238	258	425	482
Other reasons <sup>1</sup>	913	906	265	278	502	479	143	148	305	298	608	608
<b>BLACK AND OTHER</b>												
Total not in labor force	7,939	8,250	2,455	2,542	2,936	3,075	2,548	2,634	2,686	2,852	5,253	5,398
Do not want a job now	6,555	6,747	1,794	1,824	2,297	2,390	2,458	2,529	2,237	2,337	4,318	4,410
Current activity:												
Going to school	1,249	1,302	1,135	1,145	110	151	3	4	594	611	655	691
Ill, disabled	871	821	29	38	460	428	379	355	439	425	432	396
Keeping house	2,668	2,684	321	300	1,344	1,408	1,003	975	55	52	2,613	2,632
Retired	1,029	1,155	—	—	22	22	1,007	1,133	735	791	294	364
Other	738	785	309	341	361	381	66	62	414	458	324	327
Want a job now	1,384	1,503	660	716	639	684	90	102	449	515	935	988
Reason not looking:												
School attendance	396	441	333	373	62	69	2	—	184	217	212	224
Ill health, disability	213	222	22	22	157	153	36	46	89	98	124	124
Home responsibilities	261	310	95	109	159	193	6	6	—	—	261	310
Think cannot get job	307	340	133	132	147	171	28	39	112	133	195	207
Other reasons <sup>1</sup>	207	190	77	80	114	98	18	11	64	67	143	123

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

## 41. Persons not in labor force who desire work but think they cannot get jobs by reason, sex, age, and race

[In thousands]

Reason and sex	1981						
	Total	Age				Race	
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black and other
<b>TOTAL</b>							
Personal factors:							
Employers think too young or old	126	24	—	21	81	108	19
Lacks education or training	93	19	—	56	4	65	28
Other personal handicap	70	12	13	38	7	54	16
Job-market factors:							
Could not find job	461	83	90	236	41	268	193
Thinks no job available	330	39	41	203	47	246	85
<b>Males</b>							
Personal factors:							
Employers think too young or old	63	15	—	7	40	52	12
Lacks education or training	25	10	7	8	2	15	10
Other personal handicap	25	5	4	12	4	19	5
Job-market factors:							
Could not find job	179	54	34	73	19	98	82
Thinks no job available	99	21	13	39	25	74	25
<b>Females</b>							
Personal factors:							
Employers think too young or old	63	8	—	14	41	56	7
Lacks education or training	68	10	8	48	2	50	18
Other personal handicap	46	7	10	27	3	35	11
Job-market factors:							
Could not find job	281	40	56	164	22	170	111
Thinks no job available	232	18	27	164	23	172	60

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**42. Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during the previous 12 months by sex, age, and race**

[Numbers in thousands]

Most recent work experience, reason for leaving last job, and sex	Total		Age						Race			
			16 to 24 years		25 to 59 years		60 years and over		White		Black and other	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
<b>Total, not in labor force</b>	59,425	60,043	11,534	11,595	21,808	21,604	26,082	26,845	51,486	51,793	7,939	8,250
Never worked	9,255	9,373	4,651	4,899	2,161	2,150	2,443	2,345	7,322	7,360	1,932	2,014
Last worked over 5 years ago	29,761	30,399	315	294	10,875	10,692	18,572	19,412	26,433	26,926	3,328	3,473
Last worked 1 to 5 years ago	10,288	10,587	1,650	1,843	4,954	5,143	3,683	3,601	8,985	9,133	1,303	1,455
Left job during previous 12 months	10,118	9,681	4,918	4,558	3,816	3,637	1,383	1,486	8,743	8,373	1,375	1,308
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	44.5	42.3	61.4	59.5	36.8	35.8	5.8	5.7	46.0	43.3	35.1	36.0
Ill health, disability	8.2	7.6	1.8	1.9	14.1	12.2	14.4	14.9	7.5	7.3	12.6	10.8
Retirement, old age	8.4	9.1	--	--	3.7	3.5	50.8	50.9	8.9	9.9	4.7	4.4
Economic reasons	21.0	22.8	18.2	20.3	24.8	27.0	20.5	20.2	20.3	21.8	25.5	29.6
End of seasonal job	8.3	8.8	8.9	9.0	7.8	9.2	7.7	7.1	8.0	8.3	10.5	12.2
Slack work	6.7	7.5	4.6	5.8	9.6	10.2	5.8	6.2	7.9	7.0	8.5	10.9
End of temporary job	6.0	6.5	4.7	5.4	7.4	7.7	7.0	6.9	6.1	6.5	6.5	6.5
All other reasons	17.9	17.9	18.5	18.3	20.6	21.4	8.5	8.4	17.3	17.7	22.1	19.3
<b>Males, not in labor force</b>	17,554	18,136	4,528	4,629	3,296	3,410	9,731	10,097	14,868	15,284	2,686	2,852
Never worked	2,164	2,297	1,895	1,988	225	263	45	46	1,513	1,620	651	677
Last worked over 5 years ago	8,132	8,482	42	45	1,326	1,352	6,763	7,085	7,068	7,367	1,063	1,115
Last worked 1 to 5 years ago	3,493	3,601	396	506	989	996	2,108	2,099	3,022	3,080	471	521
Left job during previous 12 months	3,763	3,755	2,192	2,091	757	800	815	866	3,263	3,217	500	539
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	38.3	36.2	59.5	57.2	15.7	17.1	2.5	3.1	39.1	37.2	33.2	30.7
Ill health, disability	9.7	9.9	1.7	2.2	27.7	25.1	14.2	14.3	9.4	9.4	11.6	12.8
Retirement, old age	14.8	15.9	--	--	11.5	10.6	57.5	59.1	15.7	17.5	8.8	6.7
Economic reasons	19.9	21.1	19.3	21.6	21.9	23.8	19.5	17.4	19.0	19.7	25.8	29.4
End of seasonal job	8.8	8.9	9.8	10.3	6.6	6.8	8.3	7.4	8.6	8.3	10.8	12.1
Slack work	6.1	6.8	4.4	5.6	11.6	12.3	5.4	4.6	5.6	6.2	8.8	10.8
End of temporary job	5.0	5.4	5.2	5.6	3.8	4.8	5.8	5.4	4.8	5.2	6.4	6.5
All other reasons	17.3	16.9	19.4	18.9	23.2	23.4	6.3	6.0	16.8	16.3	20.6	20.4
<b>Females, not in labor force</b>	41,871	41,907	7,006	6,965	18,512	18,193	16,353	16,748	36,618	36,509	5,253	5,398
Never worked	7,090	7,077	2,756	2,911	1,938	1,868	2,398	2,300	5,809	5,740	1,281	1,337
Last worked over 5 years ago	21,629	21,917	273	249	9,547	9,340	11,809	12,326	19,365	19,559	2,265	2,358
Last worked 1 to 5 years ago	6,795	6,987	1,253	1,338	3,967	4,147	1,575	1,502	5,963	6,053	832	934
Left job during previous 12 months	6,354	5,926	2,725	2,467	3,061	2,838	569	621	5,480	5,156	875	769
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	48.2	46.2	62.9	61.4	42.0	41.0	10.5	9.2	50.1	47.2	36.2	39.7
Ill health, disability	7.3	6.4	1.8	1.7	10.6	8.6	14.6	15.6	6.3	6.0	13.1	9.3
Retirement, old age	4.5	4.8	--	--	1.8	1.5	41.1	39.2	4.9	5.2	2.4	2.7
Economic reasons	21.7	23.9	17.4	19.1	25.5	28.1	21.8	24.2	21.1	23.1	25.3	29.8
End of seasonal job	8.0	8.8	8.1	8.0	8.2	9.9	6.7	6.9	7.6	8.3	10.4	12.3
Slack work	7.0	8.0	4.7	6.0	9.1	9.7	6.3	8.4	6.8	7.5	8.3	11.0
End of temporary job	6.7	7.2	4.4	5.2	8.3	8.5	8.8	8.9	6.7	7.3	5.8	6.5
All other reasons	18.3	18.6	17.8	17.8	20.0	20.8	11.6	11.8	17.6	18.6	23.0	18.4

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

[In thousands]

Work-seeking intentions, work history and sex	Total		Age						Race			
			16 to 24 years		25 to 59 years		60 years and over		White		Black and other	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
<b>TOTAL</b>	49,944	50,624	6,210	6,285	18,214	18,034	25,519	26,304	43,894	44,358	6,050	6,266
Do not intend to seek work	9,478	9,417	5,322	5,309	3,593	3,568	563	539	7,590	7,433	1,888	1,983
Intend to seek work in the next 12 months	1,601	1,716	1,442	1,571	151	137	7	8	1,128	1,221	473	495
Never worked	1,143	1,036	55	56	914	835	173	146	887	782	255	254
Last worked over 5 years ago	1,869	2,106	670	765	1,021	1,160	178	181	1,451	1,605	418	502
Last worked 1 to 5 years ago	4,865	4,558	3,255	2,916	1,504	1,437	206	205	4,125	3,827	741	732
Worked during previous 12 months												
<b>Males</b>	14,208	14,741	2,149	2,242	2,611	2,684	9,447	9,815	12,154	12,596	2,054	2,145
Do not intend to seek work	3,344	3,394	2,377	2,388	686	725	282	280	2,713	2,687	631	707
Intend to seek work in the next 12 months	657	706	630	682	25	23	--	1	463	501	193	205
Never worked	177	158	10	9	97	95	70	54	125	107	52	51
Last worked over 5 years ago	514	598	207	259	211	230	95	108	396	450	118	149
Last worked 1 to 5 years ago	1,997	1,932	1,530	1,438	350	378	116	117	1,729	1,630	268	303
Worked during previous 12 months												
<b>Females</b>	35,736	35,883	4,061	4,043	15,604	15,351	16,071	16,489	31,740	31,762	3,996	4,121
Do not intend to seek work	6,134	6,022	2,946	2,921	2,908	2,841	280	259	4,877	4,746	1,257	1,276
Intend to seek work in the next 12 months	945	1,010	812	888	127	114	7	7	665	720	280	290
Never worked	965	878	46	48	816	739	103	93	762	675	203	203
Last worked over 5 years ago	1,355	1,508	462	506	811	929	81	73	1,055	1,155	300	353
Last worked 1 to 5 years ago	2,869	2,626	1,625	1,480	1,154	1,060	90	87	2,396	2,197	473	429
Worked during previous 12 months												

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## 44. Employment status of the noninstitutional population by sex, age, race, and Hispanic origin

[Numbers in thousands]

Employment status, sex, and age	Total		White		Black		Hispanic origin	
	1980	1981	1980	1981	1980	1981	1980	1981
<b>TOTAL</b>								
Civilian noninstitutional population	164,143	166,436	143,657	145,379	17,423	17,808	8,570	8,970
Civilian labor force	104,719	106,393	92,171	93,586	10,597	10,810	5,484	5,750
Percent of population	63.8	63.9	64.2	64.4	60.8	60.7	64.0	64.1
Employed	97,270	98,313	86,380	87,340	9,098	9,134	4,931	5,148
Agriculture	3,310	3,312	3,052	3,073	201	177	236	241
Nonagricultural industries	93,960	95,001	83,329	84,267	8,897	8,957	4,695	4,907
Unemployed	7,448	8,080	5,790	6,246	1,499	1,676	554	602
Unemployment rate	7.1	7.6	6.3	6.7	14.1	15.5	10.1	10.5
Not in labor force	59,425	60,043	51,486	51,793	6,827	6,998	3,085	3,220
<b>Males, 20 years and over</b>								
Civilian noninstitutional population	69,607	70,849	61,641	62,636	6,729	6,899	3,524	3,764
Civilian labor force	55,234	55,945	49,252	49,854	5,028	5,114	3,002	3,193
Percent of population	79.4	79.0	79.9	79.6	74.7	74.1	85.2	84.8
Employed	51,972	52,424	46,671	47,078	4,415	4,435	2,753	2,911
Agriculture	2,355	2,342	2,154	2,156	158	143	176	180
Nonagricultural industries	49,617	50,082	44,517	44,922	4,257	4,292	2,577	2,730
Unemployed	3,261	3,521	2,581	2,776	613	680	248	282
Unemployment rate	5.9	6.3	5.2	5.6	12.2	13.3	8.3	8.6
Not in labor force	14,373	14,904	12,389	12,782	1,701	1,784	522	571
<b>Females, 20 years and over</b>								
Civilian noninstitutional population	78,295	79,682	68,327	69,397	8,464	8,682	3,890	4,067
Civilian labor force	40,243	41,600	34,686	35,851	4,706	4,862	1,899	2,030
Percent of population	51.4	52.2	50.8	51.7	55.6	56.0	48.8	49.9
Employed	37,696	38,774	32,755	33,742	4,153	4,212	1,725	1,837
Agriculture	575	595	540	562	25	18	31	33
Nonagricultural industries	37,120	38,179	32,215	33,180	4,128	4,194	1,694	1,803
Unemployed	2,547	2,826	1,931	2,109	553	650	174	193
Unemployment rate	6.3	6.8	5.6	5.9	11.7	13.4	9.2	9.5
Not in labor force	38,052	38,083	33,641	33,545	3,758	3,820	1,991	2,037
<b>Both sexes, 16-19 years</b>								
Civilian noninstitutional population	16,242	15,905	13,689	13,347	2,230	2,227	1,156	1,139
Civilian labor force	9,242	8,848	8,233	7,881	863	834	584	527
Percent of population	56.9	55.6	60.1	59.0	38.7	37.4	50.5	46.3
Employed	7,603	7,115	6,955	6,520	530	482	352	308
Agriculture	380	375	358	356	18	16	29	27
Nonagricultural industries	7,223	6,740	6,597	6,164	512	472	424	373
Unemployed	1,640	1,733	1,278	1,361	333	346	131	127
Unemployment rate	17.7	19.6	15.5	17.3	38.6	41.5	22.5	24.1
Not in labor force	7,000	7,057	5,456	5,466	1,368	1,393	572	612

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## 45. Employment status of persons of Mexican, Puerto Rican, and Cuban origin by sex and age

(Numbers in thousands)

Employment status, sex, and age	Total Hispanic origin <sup>1</sup>		Mexican origin		Puerto Rican origin		Cuban origin	
	1980	1981	1980	1981	1980	1981	1980	1981
<b>TOTAL</b>								
Civilian noninstitutional population	8,570	8,970	5,097	5,406	1,137	1,160	617	697
Civilian labor force	5,484	5,750	3,386	3,602	585	579	409	450
Percent of population	64.0	64.1	66.4	66.6	51.5	49.9	66.3	64.6
Employed	4,931	5,148	3,037	3,224	505	500	377	410
Agriculture	236	241	214	221	5	5	2	2
Nonagricultural industries	4,695	4,907	2,823	3,003	500	496	375	408
Unemployed	554	602	349	378	80	79	33	40
Unemployment rate	10.1	10.5	10.3	10.5	13.7	13.7	7.9	9.0
Not in labor force	3,085	3,220	1,712	1,805	551	581	208	247
<b>Males, 20 years and over</b>								
Civilian noninstitutional population	3,524	3,764	2,188	2,352	407	428	258	304
Civilian labor force	3,002	3,193	1,906	2,050	327	330	217	246
Percent of population	85.2	84.8	87.1	87.2	80.3	77.1	84.1	80.9
Employed	2,753	2,911	1,750	1,873	293	290	200	226
Agriculture	176	180	160	166	4	3	2	2
Nonagricultural industries	2,577	2,730	1,590	1,707	289	287	198	224
Unemployed	248	282	157	177	35	40	17	20
Unemployment rate	8.3	8.8	8.2	8.6	10.6	12.1	8.0	8.1
Not in labor force	522	571	282	302	79	98	42	58
<b>Females, 20 years and over</b>								
Civilian noninstitutional population	3,890	4,067	2,191	2,338	556	562	292	321
Civilian labor force	1,899	2,030	1,076	1,172	206	207	159	175
Percent of population	48.8	49.9	49.1	50.1	37.1	36.8	54.5	54.5
Employed	1,725	1,837	973	1,057	180	185	149	161
Agriculture	31	33	26	29	1	1	--	--
Nonagricultural industries	1,694	1,803	947	1,028	178	184	149	161
Unemployed	174	193	103	115	26	21	10	14
Unemployment rate	9.2	9.5	9.6	9.8	12.6	10.3	6.3	7.9
Not in labor force	1,991	2,037	1,115	1,166	350	355	133	146
<b>Both sexes, 16-19 years</b>								
Civilian noninstitutional population	1,156	1,139	718	716	175	171	67	72
Civilian labor force	584	527	404	380	53	42	34	30
Percent of population	50.5	46.3	56.3	53.1	30.3	24.6	50.7	41.7
Employed	452	400	315	294	33	24	28	23
Agriculture	29	27	28	26	--	--	--	--
Nonagricultural industries	424	373	287	267	33	24	28	23
Unemployment	131	127	89	86	20	18	5	7
Unemployed	22.5	24.1	22.1	22.6	37.1	42.4	(2)	(2)
Not in labor force	572	612	315	336	122	128	33	43

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

<sup>2</sup> Percent not shown where base is less than 35,000.

# HOUSEHOLD DATA ANNUAL AVERAGES

## 46. Employed persons by selected social and economic categories, race, and Hispanic origin

[In thousands]

Category	Total		White		Black and other		Hispanic origin	
	1980	1981	1980	1981	1980	1981	1980	1981
<b>CHARACTERISTIC</b>								
Total, 16 years and over .....	97,270	98,313	86,380	87,340	10,890	10,973	4,931	5,148
Males .....	55,988	56,168	50,337	50,504	5,651	5,664	3,032	3,147
Females .....	41,283	42,145	36,043	36,836	5,239	5,309	1,899	2,001
<b>OCCUPATION</b>								
White-collar workers .....	50,809	51,848	46,539	47,400	4,270	4,449	1,687	1,795
Professional and technical .....	15,613	16,055	14,230	14,575	1,383	1,481	390	417
Managers and administrators, except farm .....	10,919	11,315	10,350	10,702	569	614	315	340
Sales workers .....	6,172	6,291	5,859	5,969	313	322	194	198
Clerical workers .....	18,105	18,187	16,101	16,155	2,005	2,032	788	840
Blue-collar workers .....	30,800	30,593	26,896	26,748	3,904	3,845	2,245	2,308
Craft and kindred workers .....	12,529	12,397	11,488	11,391	1,041	1,006	675	678
Operatives, except transport .....	10,346	10,316	8,765	8,714	1,580	1,601	1,030	1,040
Transport equipment operatives .....	3,468	3,411	2,938	2,891	530	520	193	215
Nonfarm laborers .....	4,456	4,469	3,704	3,752	752	717	347	375
Service workers .....	12,958	13,160	10,442	10,658	2,516	2,502	810	848
Farm workers .....	2,704	2,711	2,504	2,534	200	177	188	195
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	1,384	1,422	1,194	1,245	190	176	213	219
Self-employed workers .....	1,628	1,624	1,569	1,566	59	57	21	20
Unpaid family workers .....	297	266	288	262	9	5	2	2
Nonagricultural industries:								
Wage and salary workers .....	86,706	87,677	76,515	77,399	10,191	10,279	4,443	4,647
Government .....	15,624	15,394	13,172	12,957	2,452	2,436	646	643
Private industries .....	71,084	72,284	63,342	64,442	7,739	7,842	3,797	4,005
Private households .....	1,166	1,182	789	818	377	364	89	87
Other industries .....	69,915	71,102	62,553	63,624	7,362	7,478	3,708	3,918
Self-employed workers .....	6,851	6,943	6,432	6,507	419	437	235	241
Unpaid family workers .....	405	381	383	361	22	19	17	18
<b>FULL- AND PART-TIME STATUS<sup>1</sup></b>								
Full-time schedules .....	79,024	79,634	70,057	70,594	8,967	9,040	4,138	4,293
Part time for economic reasons .....	4,214	4,658	3,523	3,889	691	769	298	347
Part time for noneconomic reasons .....	14,032	14,022	12,801	12,857	1,231	1,164	495	508

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

## HOUSEHOLD DATA ANNUAL AVERAGES

### 47. Employed persons 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	
	1980	1981	1980	1981	1980	1981	1980	1981
<b>CHARACTERISTIC</b>								
Total, 16 years and over .....	4,931	5,148	3,037	3,224	505	500	377	410
Males .....	3,032	3,147	1,949	2,053	315	304	215	239
Females .....	1,899	2,001	1,088	1,171	191	196	162	171
<b>OCCUPATION</b>								
White-collar workers .....	1,687	1,795	888	983	196	207	168	191
Professional and technical .....	390	417	183	210	45	49	41	48
Managers and administrators, except farm .....	315	340	162	179	32	32	38	44
Sales workers .....	194	198	99	113	17	14	23	24
Clerical workers .....	788	840	444	481	102	112	66	75
Blue-collar workers .....	2,245	2,308	1,484	1,559	220	212	164	169
Craft and kindred workers .....	675	678	450	458	49	51	49	53
Operatives, except transport .....	1,030	1,040	652	669	123	115	81	81
Transport equipment operatives .....	193	215	127	145	23	19	15	16
Nonfarm laborers .....	347	375	255	287	25	27	19	19
Service workers .....	810	848	490	497	86	79	45	48
Farm workers .....	188	195	173	184	3	2	--	1
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
<b>Agriculture:</b>								
Wage and salary workers .....	213	219	199	207	4	3	1	1
Self-employed workers .....	21	20	13	12	1	1	1	1
Unpaid family workers .....	2	2	1	1	--	--	--	--
<b>Nonagricultural industries:</b>								
Wage and salary workers .....	4,443	4,647	2,693	2,873	486	479	336	364
Government .....	646	643	409	427	79	75	27	26
Private industries .....	3,797	4,005	2,284	2,445	407	404	309	338
Private households .....	89	87	52	45	3	2	1	2
Other industries .....	3,708	3,918	2,232	2,400	404	401	308	336
Self-employed workers .....	235	241	121	119	14	15	17	43
Unpaid family workers .....	17	18	10	11	--	2	2	1
<b>FULL- AND PART-TIME STATUS<sup>2</sup></b>								
Full-time schedules .....	4,138	4,293	2,520	2,665	447	445	333	343
Part time for economic reasons .....	298	347	218	257	20	19	11	19
Part time for noneconomic reasons .....	495	508	299	302	38	36	33	48

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

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

# HOUSEHOLD DATA ANNUAL AVERAGES

## 48. Employed black and Hispanic-origin workers by occupation

(Numbers in thousands)

Occupation	1981			Occupation	1981		
	Total employed	Percent of total			Total employed	Percent of total	
		Black	Hispanic origin			Black	Hispanic origin
Total, 16 years and over	98,313	9.3	5.2	<b>Craft and kindred workers—Continued</b>			
White-collar workers	51,848	6.7	2.7	All other craft workers	2,380	7.2	5.6
Professional and technical	16,055	6.6	2.6	Operatives, except transport	10,316	13.2	10.1
Health workers	3,047	7.4	2.4	Durable goods manufacturing	4,532	12.4	10.0
Teachers, except college	3,144	8.7	2.3	Nondurable goods manufacturing	3,261	15.8	11.3
Other professional and technical	9,864	5.7	2.7	Other industries	2,523	11.1	8.8
Managers and administrators, except farm	11,315	4.0	3.0	Transport equipment operatives	3,411	14.4	6.3
Salaried workers	9,398	4.1	2.8	Drivers, motor vehicles	2,909	13.6	6.0
Self-employed workers in retail trade	849	3.9	4.1	All other	502	18.7	8.0
Self-employed workers, except retail trade	1,068	3.5	3.7	Nonfarm laborers	4,469	14.3	8.4
Sales workers	6,291	3.8	3.1	Construction	776	13.9	11.0
Retail trade	3,194	5.0	3.9	Manufacturing	967	15.9	8.3
Other industries	3,097	2.7	2.4	Other industries	2,727	13.8	7.7
Clerical workers	18,187	9.3	4.6	Service workers	13,160	16.8	6.4
Stenographers, typists, and secretaries	4,930	7.4	3.9	Private household workers	1,024	30.7	7.3
Other clerical workers	13,257	10.1	4.9	Service workers, except private household	12,136	15.6	6.4
Blue-collar workers	30,593	10.9	7.5	Food service workers	4,575	10.3	6.6
Craft and kindred workers	12,397	6.8	5.5	Protective service workers	1,429	12.2	3.3
Carpenters	1,091	4.0	5.4	All other	6,132	20.4	6.9
Construction craft workers, except carpenters	2,532	8.6	5.4	Farm workers	2,712	4.9	7.2
Mechanics and repairers	3,327	6.6	5.8	Farmers and farm managers	1,477	1.2	.6
Metal craft workers	1,277	5.9	5.1	Farm laborers and supervisors	1,235	9.2	15.1
Blue-collar worker supervisors, not elsewhere classified	1,790	6.8	5.1	Paid workers	981	11.4	18.8
				Unpaid family workers	254	.4	.8

## 49. Employed black and Hispanic-origin workers by industry

(Numbers in thousands)

Industry	1981			Industry	1981		
	Total employed	Percent of total			Total employed	Percent of total	
		Black	Hispanic origin			Black	Hispanic origin
Total, 16 years and over	98,313	9.3	5.2	Nondurable goods—Continued			
Agriculture	3,312	5.3	7.3	Other nondurable goods industries	580	10.3	6.6
Mining	1,079	3.6	5.8	Transportation and public utilities	6,497	11.1	4.6
Construction	5,907	6.6	5.4	Railroads and railway express	540	9.1	3.3
Manufacturing	21,460	9.5	6.6	Other transportation	3,090	11.3	5.1
Durable goods	12,973	8.8	6.2	Communications and other public utilities	2,868	11.1	4.3
Lumber and wood products	663	14.5	4.5	Wholesale and retail trade	20,048	6.5	5.1
Furniture and fixtures	510	7.3	13.9	Wholesale trade	3,920	5.7	5.3
Stone, clay, and glass products	632	10.9	6.6	Retail trade	16,129	6.7	5.1
Primary metal industries	1,148	13.3	6.6	Finance, insurance, and real estate	5,997	7.6	4.3
Fabricated metal products	1,423	7.0	7.7	Service industries	28,887	11.5	4.5
Machinery, except electrical equipment	2,818	6.0	4.9	Private household	1,248	28.6	7.3
Electrical equipment	2,317	7.7	5.8	Other service industries	27,639	10.7	4.4
Transportation equipment	2,107	11.4	4.3	Business repair services	4,044	8.4	5.5
Automobiles	1,015	13.4	3.0	Personal services	2,562	11.6	7.3
Other transportation equipment	1,092	9.5	5.5	Entertainment and recreation services	1,076	6.9	4.4
Instruments and related products	609	6.1	5.3	Professional services	19,810	11.3	3.8
Other durable goods industries	746	7.8	10.2	Medical, except hospital	3,409	11.2	4.1
Nondurable goods	8,486	10.7	7.4	Hospitals	4,095	15.6	4.0
Food and kindred products	1,745	11.1	10.2	Welfare and religion	1,600	15.9	4.8
Textile mill products	720	18.2	4.6	Education	7,867	10.8	3.6
Apparel and other textile products	1,224	13.8	15.0	Other	2,839	4.2	2.9
Paper and allied products	723	8.9	4.4	Forestry and fisheries	146	4.1	2.1
Printing and publishing	1,572	6.0	3.6	Public administration	5,128	13.4	4.2
Chemicals and allied products	1,265	12.0	4.0				
Rubber and plastics products	657	6.7	8.4				



# HOUSEHOLD DATA ANNUAL AVERAGES

## 50. Employed persons by sex, age, race, and Hispanic origin

[In thousands]

Sex and age	Total		White		Black		Hispanic origin	
	1980	1981	1980	1981	1980	1981	1980	1981
<b>Total, 16 years and over</b> .....	97,270	98,313	86,380	87,340	9,098	9,134	4,931	5,148
16 to 19 years .....	7,603	7,115	6,955	6,520	530	487	452	400
16 to 17 years .....	3,031	2,790	2,798	2,580	189	167	157	138
18 to 19 years .....	4,572	4,325	4,157	3,939	341	320	295	262
20 to 24 years .....	13,615	13,638	12,073	12,137	1,299	1,266	857	901
25 years and over .....	76,053	77,560	67,353	68,683	7,269	7,380	3,621	3,846
25 to 54 years .....	61,761	63,351	54,409	55,845	6,107	6,198	3,237	3,440
55 years and over .....	14,291	14,209	12,943	12,839	1,161	1,182	385	407
<b>Males, 16 years and over</b> .....	55,988	56,168	50,337	50,504	4,704	4,697	3,037	3,147
16 to 19 years .....	4,016	3,744	3,666	3,426	289	263	279	236
16 to 17 years .....	1,631	1,484	1,501	1,369	107	94	97	82
18 to 19 years .....	2,384	2,260	2,165	2,057	182	169	182	154
20 to 24 years .....	7,254	7,220	6,462	6,457	665	643	508	540
25 years and over .....	44,718	45,205	40,209	40,621	3,750	3,791	2,245	2,370
25 to 54 years .....	35,975	36,578	32,198	32,738	3,133	3,162	1,986	2,095
55 years and over .....	8,743	8,627	8,010	7,883	616	629	260	274
<b>Females, 16 years and over</b> .....	41,283	42,145	36,043	36,836	4,394	4,437	1,899	2,001
16 to 19 years .....	3,587	3,371	3,289	3,094	241	225	174	164
16 to 17 years .....	1,399	1,306	1,297	1,212	81	73	60	56
18 to 19 years .....	2,188	2,066	1,991	1,882	159	151	114	109
20 to 24 years .....	6,360	6,419	5,611	5,680	634	623	349	361
25 years and over .....	31,335	32,355	27,144	28,062	3,519	3,590	1,376	1,477
25 to 54 years .....	25,787	26,773	22,210	23,107	2,974	3,036	1,250	1,344
55 years and over .....	5,549	5,581	4,933	4,955	545	554	125	132

## 51. Unemployment rates by sex, age, race, and Hispanic origin

Sex and age	Total		White		Black		Hispanic origin	
	1980	1981	1980	1981	1980	1981	1980	1981
<b>Total, 16 years and over</b> .....	7.1	7.6	6.3	6.7	14.1	15.5	10.1	10.5
16 to 19 years .....	17.7	19.6	15.5	17.3	38.6	41.5	22.5	24.1
16 to 17 years .....	20.0	21.5	17.9	19.3	41.2	44.9	27.6	28.1
18 to 19 years .....	16.1	18.3	13.8	15.9	37.0	39.6	19.5	21.7
20 to 24 years .....	11.5	12.3	9.9	10.4	23.6	26.5	12.1	14.0
25 years and over .....	5.0	5.4	4.5	4.8	9.5	10.6	7.7	7.9
25 to 54 years .....	5.4	5.8	4.9	5.1	10.2	11.4	8.0	8.0
55 years and over .....	3.3	3.6	3.0	3.4	5.7	5.8	5.9	7.1
<b>Males, 16 years and over</b> .....	6.9	7.4	6.1	6.5	14.3	15.5	9.7	10.2
16 to 19 years .....	18.2	20.1	16.2	17.9	37.4	40.9	21.7	24.4
16 to 17 years .....	20.4	22.1	18.5	20.0	39.9	43.5	26.1	31.1
18 to 19 years .....	16.7	18.8	14.6	16.5	35.7	39.3	19.2	20.2
20 to 24 years .....	12.5	13.2	11.1	11.6	23.8	26.6	12.2	14.3
25 years and over .....	4.7	5.1	4.2	4.5	9.8	10.5	7.3	7.5
25 to 54 years .....	5.1	5.4	4.5	4.9	10.3	11.3	7.5	7.6
55 years and over .....	3.3	3.5	3.0	3.2	6.8	6.5	6.5	6.4
<b>Females, 16 years and over</b> .....	7.4	7.9	6.5	6.9	14.0	15.5	10.7	10.9
16 to 19 years .....	17.2	19.0	14.8	16.6	39.9	42.3	23.7	23.6
16 to 17 years .....	19.5	20.7	17.3	18.4	42.7	46.6	30.0	23.6
18 to 19 years .....	15.6	17.8	13.0	15.3	38.4	40.0	20.0	23.7
20 to 24 years .....	10.3	11.1	8.5	9.1	23.4	26.5	11.9	13.7
25 years and over .....	5.5	5.9	4.9	5.2	9.3	10.6	8.4	8.4
25 to 54 years .....	5.9	5.8	5.3	5.5	10.1	11.6	8.8	8.5
55 years and over .....	3.2	3.8	3.1	3.7	4.6	5.0	5.3	7.7

# HOUSEHOLD DATA ANNUAL AVERAGES

## 52. Unemployed persons by duration of unemployment, race, and Hispanic origin

[In thousands]

Weeks of unemployment	Total		White		Black and other		Hispanic origin	
	1980	1981	1980	1981	1980	1981	1980	1981
<b>DURATION</b>								
Total, 16 years and over .....	7,448	8,080	5,790	6,246	1,658	1,833	554	602
Less than 5 weeks .....	3,208	3,359	2,532	2,653	676	706	255	277
5 to 14 weeks .....	2,411	2,479	1,879	1,937	532	542	179	192
15 weeks and over .....	1,829	2,241	1,380	1,656	450	585	120	134
15 to 26 weeks .....	1,028	1,098	794	837	234	260	73	77
27 weeks and over .....	802	1,143	586	819	216	325	47	57
Average (mean) duration, in weeks .....	11.9	13.8	11.5	13.1	13.4	16.1	11.1	11.3
Median duration, in weeks .....	6.5	7.0	6.3	6.7	7.3	8.1	6.0	6.0
<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 .....	43.1	41.6	43.7	42.5	40.8	38.5	46.0	45.9
5 to 14 weeks .....	32.4	30.7	32.5	31.0	32.1	29.6	32.3	31.8
15 weeks and over .....	24.6	27.7	23.8	26.5	27.1	31.9	21.7	22.2
15 to 26 weeks .....	13.8	13.6	13.7	13.4	14.1	14.2	13.2	12.8
27 weeks and over .....	10.8	14.1	10.1	13.1	13.0	17.7	8.5	9.5

## 53. Unemployed persons by reason for unemployment, race and Hispanic origin

[Numbers in thousands]

Reason for unemployment	Total		White		Black and other		Hispanic origin	
	1980	1981	1980	1981	1980	1981	1980	1981
<b>NUMBER OF UNEMPLOYED</b>								
Total, 16 years and over .....	7,448	8,080	5,790	6,246	1,658	1,833	554	602
Job losers .....	3,860	4,178	3,056	3,290	804	888	294	342
On layoff .....	1,471	1,412	1,235	1,196	237	216	74	101
Other job losers .....	2,389	2,766	1,821	2,094	567	672	220	240
Job leavers .....	863	894	717	741	146	153	69	62
Reentrants .....	1,875	2,048	1,421	1,539	453	510	115	126
New entrants .....	851	959	595	676	256	283	76	73
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	51.9	51.7	52.8	52.7	48.5	48.5	53.1	56.7
On layoff .....	19.8	17.5	21.3	19.2	14.3	11.8	13.4	16.7
Other job losers .....	32.1	34.2	31.5	33.5	34.2	36.7	39.7	39.8
Job leavers .....	11.6	11.1	12.4	11.9	8.8	8.3	12.5	10.3
Reentrants .....	25.2	25.4	24.5	24.6	27.3	27.8	20.8	20.9
New entrants .....	11.4	11.9	10.3	10.8	15.4	15.4	13.7	12.1
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>								
Job losers .....	3.7	3.9	3.3	3.5	6.4	6.9	5.4	5.9
Job leavers .....	.8	.8	.8	.8	1.2	1.2	1.3	1.1
Reentrants .....	1.8	1.9	1.5	1.6	3.6	4.0	2.1	2.2
New entrants .....	.8	.9	.6	.7	2.0	2.2	1.4	1.3

# HOUSEHOLD DATA ANNUAL AVERAGES

## 54. Black and Hispanic-origin workers not in labor force by reason, age, and sex

(In thousands)

Reason, black, and Hispanic origin	Total	Age			Sex	
		16 to 24 years	25 to 59 years	60 years and over	Males	Females
		1981				
<b>BLACK</b>						
Total not in labor force .....	6,998	2,168	2,539	2,290	2,418	4,579
Do not want a job now .....	5,639	1,518	1,928	2,195	1,961	3,677
Current activity:						
Going to school .....	1,023	938	84	2	456	567
Ill, disabled .....	757	36	393	328	391	366
Keeping house .....	2,190	247	1,096	849	47	2,143
Retired .....	986	--	19	967	673	313
Other .....	683	297	336	49	394	288
Want a job now .....	1,359	652	611	95	457	902
Reason not looking:						
School attendance .....	383	333	49	--	184	199
Ill health, disability .....	210	21	145	44	91	119
Home responsibilities .....	282	102	174	6	--	282
Think cannot get job .....	316	125	156	35	125	191
Other reasons <sup>1</sup> .....	168	71	87	10	57	111
<b>HISPANIC ORIGIN</b>						
Total not in labor force .....	3,220	974	1,553	694	836	2,384
Do not want a job now .....	2,799	779	1,338	681	704	2,098
Current activity:						
Going to school .....	459	409	48	1	221	239
Ill, disabled .....	186	7	112	67	103	84
Keeping house .....	1,598	243	1,047	308	9	1,590
Retired .....	299	--	8	291	222	77
Other .....	257	120	123	14	149	108
Want a job now .....	421	193	212	14	134	286
Reason not looking:						
School attendance .....	102	87	15	--	49	53
Ill health, disability .....	57	10	40	5	26	30
Home responsibilities .....	111	32	78	--	--	111
Think cannot get job .....	71	28	37	6	30	41
Other reasons <sup>1</sup> .....	80	36	42	3	29	51

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

# HOUSEHOLD DATA ANNUAL AVERAGES

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

[Numbers in thousands]

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
							Number		Percent of labor force	
1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	
<b>VETERANS</b>										
Total, 25 years and over	8,274	8,549	7,863	8,114	7,415	7,638	448	476	5.7	5.9
25 to 29 years	7,272	7,315	6,997	7,036	6,577	6,599	420	437	6.0	6.2
25 to 29 years	1,713	1,486	1,612	1,386	1,451	1,249	161	137	10.0	9.9
30 to 34 years	3,574	3,325	3,461	3,217	3,285	3,032	176	185	5.1	5.8
35 to 39 years	1,985	2,504	1,924	2,433	1,841	2,318	83	115	4.3	4.7
40 years and over	1,002	1,234	866	1,078	838	1,039	28	39	3.2	3.6
<b>NONVETERANS</b>										
Total, 25 to 39 years	15,475	16,347	14,701	15,489	13,817	14,508	884	981	6.0	6.3
25 to 29 years	7,082	7,394	6,696	6,974	6,197	6,448	499	526	7.5	7.5
30 to 34 years	4,596	5,225	4,392	4,976	4,154	4,683	238	293	5.4	5.9
35 to 39 years	3,797	3,728	3,613	3,539	3,466	3,377	147	162	4.1	4.6

NOTE: Vietnam-era veterans are males who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are males who 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. Although Public Law 96-486 (the Veterans Rehabilitation and Education Amendments of 1980), which became effective October 17, 1980, requires publication of labor market data for veterans who actually served in the Vietnam theater of operations, these data are not presently collected. Because of the widespread interest in statistics for all Vietnam-era veterans, the BLS is continuing publication of annual data for this group since these data are currently available.

## 56. Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin

[Numbers in thousands]

Employment status and age	Veterans <sup>1</sup>						Nonveterans					
	White		Black and other		Hispanic origin		White		Black and other		Hispanic origin	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
<b>Total, 25 to 39 years:</b>												
Civilian noninstitutional population	6,549	6,572	723	743	264	271	13,450	14,222	2,025	2,125	1,165	1,273
Civilian labor force	6,326	6,358	671	678	247	256	12,893	13,619	1,808	1,870	1,091	1,189
Employed	5,986	5,992	591	607	231	236	12,211	12,863	1,606	1,645	1,001	1,086
Unemployed	340	366	80	71	16	20	682	756	202	225	90	103
Unemployment rate	5.4	5.8	11.9	10.5	6.5	7.8	5.3	5.6	11.2	12.0	8.2	8.7
<b>25 to 29 years</b>												
Civilian noninstitutional population	1,489	1,290	224	196	86	79	6,225	6,489	857	905	502	554
Civilian labor force	1,406	1,217	206	169	78	74	5,936	6,188	760	786	467	518
Employed	1,283	1,107	168	142	72	69	5,539	5,775	658	673	425	472
Unemployed	123	110	38	27	6	5	397	413	102	113	42	46
Unemployment rate	8.7	9.0	18.4	16.0	7.7	6.8	6.7	6.7	13.4	14.4	9.0	8.9
<b>30 to 34 years</b>												
Civilian noninstitutional population	3,256	3,005	318	320	118	109	3,946	4,510	650	715	376	415
Civilian labor force	3,164	2,921	297	296	113	105	3,803	4,339	589	637	353	391
Employed	3,016	2,764	269	268	107	96	3,627	4,119	527	564	324	354
Unemployed	148	157	28	28	6	9	176	220	62	73	29	37
Unemployment rate	4.7	5.4	9.4	9.5	5.3	8.6	4.6	5.1	10.5	11.5	8.2	9.5
<b>35 to 39 years</b>												
Civilian noninstitutional population	1,804	2,277	181	227	60	83	3,279	3,223	518	505	287	304
Civilian labor force	1,756	2,220	168	213	56	77	3,154	3,092	459	447	271	280
Employed	1,687	2,121	154	197	52	71	3,045	2,969	421	408	252	260
Unemployed	69	99	14	16	4	6	109	123	38	39	19	20
Unemployment rate	3.9	4.5	8.3	7.5	7.1	7.8	3.5	4.0	8.3	8.7	7.0	7.1

# HOUSEHOLD DATA ANNUAL AVERAGES

## 57. Employment status of the noninstitutional population in metropolitan and nonmetropolitan areas by sex, age, and race

(Numbers in thousands)

Employment status, sex, age, and race	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
<b>TOTAL</b>												
Civilian noninstitutional population	111,438	112,987	46,224	46,334	65,214	66,653	52,706	53,449	4,532	4,345	48,174	49,104
Civilian labor force	72,207	73,301	28,990	28,978	43,217	44,323	32,512	33,092	2,892	2,796	29,630	30,296
Percent of population	64.8	64.9	62.7	62.5	66.3	66.5	61.7	61.9	63.8	64.4	61.5	61.7
Employed	67,120	67,825	26,560	26,400	40,560	41,425	30,150	30,488	2,801	2,700	27,349	27,788
Unemployed	5,087	5,476	2,429	2,578	2,658	2,898	2,362	2,603	92	96	2,270	2,507
Unemployment rate	7.0	7.5	8.4	8.9	6.2	6.5	7.3	7.9	3.2	3.4	7.7	8.3
Not in labor force	39,230	39,686	17,235	17,355	21,997	22,331	20,194	20,357	1,640	1,548	18,554	18,809
<b>Males, 20 years and over</b>												
Civilian noninstitutional population	47,121	48,028	19,190	19,385	27,931	28,643	22,485	22,821	2,068	1,989	20,417	20,832
Civilian labor force	37,874	38,404	14,861	14,906	23,013	23,498	17,360	17,541	1,692	1,626	15,668	15,915
Percent of population	80.4	80.0	77.4	76.9	82.4	82.0	77.2	76.9	81.8	81.7	76.7	76.4
Employed	35,649	36,006	13,774	13,756	21,875	22,250	16,323	16,418	1,660	1,592	14,663	14,826
Unemployed	2,225	2,398	1,088	1,150	1,137	1,248	1,036	1,123	32	34	1,004	1,089
Unemployment rate	5.9	6.2	7.3	7.7	4.9	5.3	6.0	6.4	1.9	2.1	6.4	6.8
Not in labor force	9,247	9,625	4,327	4,480	4,920	5,145	5,126	5,279	376	363	4,750	4,916
<b>Females, 20 years and over</b>												
Civilian noninstitutional population	53,422	54,329	22,722	22,862	30,700	31,467	24,873	25,353	1,941	1,888	22,932	23,465
Civilian labor force	28,136	28,997	11,848	12,007	16,288	16,990	12,107	12,603	891	888	11,216	11,715
Percent of population	52.7	53.4	52.1	52.5	53.1	54.0	48.7	49.7	45.9	47.0	48.9	49.9
Employed	26,405	27,089	11,017	11,089	15,388	16,000	11,290	11,684	859	851	10,431	10,833
Unemployed	1,731	1,907	831	917	900	990	816	919	32	37	784	882
Unemployment rate	6.2	6.6	7.0	7.6	5.5	5.8	6.7	7.3	3.6	4.2	7.0	7.5
Not in labor force	25,285	25,332	10,874	10,854	14,411	14,478	12,766	12,750	1,050	1,000	11,716	11,750
<b>Both sexes, 16-19 years</b>												
Civilian noninstitutional population	10,894	10,630	4,313	4,086	6,581	6,544	5,348	5,275	523	468	4,825	4,807
Civilian labor force	6,197	5,901	2,279	2,066	3,918	3,835	3,045	2,947	309	283	2,736	2,664
Percent of population	56.9	55.5	52.8	50.6	59.5	58.6	56.9	55.9	59.1	60.4	56.7	55.4
Employed	5,066	4,729	1,769	1,556	3,297	3,173	2,536	2,386	281	258	2,255	2,128
Unemployed	1,311	1,172	510	510	621	662	509	561	28	25	481	536
Unemployment rate	18.2	19.9	22.4	24.7	15.8	17.3	16.7	19.0	9.1	8.8	17.6	20.1
Not in labor force	4,698	4,729	2,034	2,020	2,664	2,709	2,303	2,328	214	185	2,089	2,143
<b>White</b>												
Civilian noninstitutional population	95,516	96,654	35,076	34,959	60,440	61,695	48,141	48,725	4,264	4,098	43,877	44,627
Civilian labor force	62,291	63,229	22,276	22,238	40,015	40,991	29,880	30,357	2,751	2,667	27,129	27,690
Percent of population	65.2	65.4	63.5	63.6	66.2	66.4	62.1	62.3	64.5	65.1	61.8	62.0
Employed	58,503	59,187	20,809	20,711	37,694	38,476	27,877	28,153	2,673	2,585	25,204	25,568
Unemployed	3,788	4,042	1,468	1,527	2,320	2,515	2,003	2,204	78	82	1,925	2,122
Unemployment rate	6.1	6.4	6.6	6.9	5.8	6.1	6.7	7.3	2.8	3.1	7.1	7.6
Not in labor force	33,225	33,425	12,799	12,722	20,426	20,703	18,261	18,368	1,513	1,431	16,748	16,937
<b>Black and other</b>												
Civilian noninstitutional population	15,922	16,333	11,149	11,374	4,773	4,959	4,565	4,724	268	247	4,297	4,477
Civilian labor force	9,916	10,072	6,713	6,741	3,203	3,331	2,632	2,735	142	129	2,490	2,606
Percent of population	62.3	61.7	60.2	59.3	67.1	67.2	57.7	57.9	52.9	52.4	57.9	58.2
Employed	8,617	8,638	5,752	5,690	2,865	2,948	2,273	2,335	128	116	2,145	2,219
Unemployed	1,299	1,434	962	1,051	337	383	359	399	14	14	345	385
Unemployment rate	13.1	14.2	14.3	15.6	10.5	11.5	13.6	14.6	9.8	10.5	13.9	14.8
Not in labor force	6,006	6,261	4,435	4,633	1,571	1,629	1,933	1,990	126	118	1,807	1,872

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## 58. Employment status of the noninstitutional population in poverty and nonpoverty areas by race

(Number in thousands)

Employment status and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
<b>TOTAL</b>												
Civilian noninstitutional population	29,244	29,276	134,899	137,160	11,113	11,125	100,325	101,862	18,131	18,151	34,575	35,298
Civilian labor force	16,394	16,506	88,325	89,886	6,002	6,047	66,205	67,254	10,392	10,459	22,119	22,633
Percent of population	56.1	56.4	65.5	65.5	54.0	54.4	66.0	66.0	57.3	57.6	64.0	64.1
Employed	14,768	14,743	82,502	83,570	5,187	5,179	61,933	62,646	9,581	9,565	20,569	20,923
Unemployed	1,626	1,763	5,823	6,317	815	869	4,272	4,607	811	894	1,550	1,710
Unemployment rate	9.9	10.7	6.6	7.0	13.6	14.4	6.5	6.9	7.8	8.5	7.0	7.6
Not in labor force	12,850	12,770	46,575	47,274	5,111	5,078	34,119	34,609	7,739	7,692	12,455	12,665
<b>White</b>												
Civilian noninstitutional population	20,713	20,670	122,944	124,709	5,609	5,657	89,907	90,997	15,104	15,012	33,037	33,713
Civilian labor force	11,918	11,986	80,253	81,600	3,143	3,226	59,148	60,003	8,775	8,761	21,105	21,597
Percent of population	57.5	58.0	65.3	65.4	56.0	57.0	65.8	65.9	58.1	58.4	63.9	64.1
Employed	11,019	11,027	75,362	76,312	2,824	2,901	55,679	56,285	8,195	8,126	19,682	20,027
Unemployed	899	959	4,891	5,287	319	324	3,469	3,718	580	635	1,422	1,570
Unemployment rate	7.5	8.0	6.1	6.5	10.1	10.1	5.9	6.2	6.6	7.2	6.7	7.3
Not in labor force	8,795	8,684	42,691	43,110	2,466	2,432	30,759	30,994	6,329	6,252	11,932	12,116
<b>Black and other</b>												
Civilian noninstitutional population	8,532	8,606	11,955	12,451	5,504	5,468	10,417	10,865	3,027	3,139	1,537	1,586
Civilian labor force	4,476	4,520	8,072	8,287	2,859	2,822	7,057	7,250	1,617	1,698	1,014	1,036
Percent of population	52.5	52.5	67.5	66.6	51.9	51.6	67.7	66.7	53.4	54.1	66.0	65.4
Employed	3,749	3,716	7,140	7,257	2,363	2,277	6,254	6,361	1,387	1,439	887	896
Unemployed	727	804	931	1,029	496	545	803	890	231	259	128	140
Unemployment rate	16.2	17.8	11.5	12.4	17.3	19.3	11.4	12.3	14.3	15.3	12.6	13.5
Not in labor force	4,055	4,086	3,883	4,164	2,645	2,646	3,360	3,615	1,410	1,440	523	549

## 59. Unemployment rates in poverty and nonpoverty areas by race, sex, and age.

Race, sex, and age	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
<b>TOTAL</b>												
Both sexes, 16 years and over	9.9	10.7	6.6	7.0	13.6	14.4	6.5	6.9	7.8	8.5	7.0	7.6
Males, 20 years and over	8.1	8.9	5.5	5.8	11.3	12.8	5.4	5.7	6.4	6.8	5.8	6.2
Females, 20 years and over	9.0	9.8	5.8	6.3	11.6	12.3	5.6	6.1	7.4	8.2	6.5	6.9
Both sexes, 16-19 years	24.2	25.9	16.5	18.4	35.1	34.4	16.7	18.5	18.1	21.2	16.1	18.1
<b>White</b>												
Both sexes, 16 years and over	7.5	8.0	6.1	6.5	10.1	10.1	5.9	6.2	6.6	7.2	6.7	7.3
Males, 20 years and over	6.3	6.8	5.1	5.4	8.7	9.4	4.9	5.1	5.5	5.9	5.6	6.0
Females, 20 years and over	6.8	7.0	5.4	5.7	8.8	7.9	5.1	5.4	6.0	6.6	6.2	6.6
Both sexes, 16-19 years	18.0	20.1	15.2	16.9	25.4	24.7	15.1	16.7	15.6	18.6	15.3	17.4
<b>Black and other</b>												
Both sexes, 16 years and over	16.2	17.8	11.5	12.4	17.3	19.3	11.4	12.3	14.3	15.3	12.6	13.5
Males, 20 years and over	13.7	15.4	10.1	10.5	14.9	17.4	10.1	10.4	11.8	12.2	10.3	11.0
Females, 20 years and over	13.9	15.8	9.6	10.7	14.1	16.4	9.4	10.5	13.4	14.8	10.9	12.1
Both sexes, 16-19 years	40.5	40.5	32.6	37.0	44.9	43.9	32.4	37.6	32.2	34.7	33.5	33.9

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## 60. 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	1980					1981				
	Total families	With unemployment:				Total families	With unemployment:			
		Total	Percent of families:				Total	Percent of families:		
			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
<b>TOTAL</b>										
Total families . . . . .	59,327	5,873	27.8	72.2	64.1	59,883	6,267	27.8	72.2	63.7
With children under 18 years of age . . . . .	30,411	3,689	28.5	71.5	63.5	30,520	3,905	29.2	70.8	62.3
Married-couple families . . . . .	48,251	4,373	20.9	79.1	71.3	48,416	4,572	20.3	79.7	71.6
With children under 18 years of age . . . . .	24,259	2,784	20.1	79.9	72.0	24,129	2,897	19.7	80.3	72.0
Families maintained by females . . . . .	8,780	1,207	49.8	50.2	40.2	9,109	1,383	50.2	49.8	39.5
With children under 18 years of age . . . . .	5,359	790	55.9	44.1	34.9	5,579	900	57.7	42.3	32.5
Families maintained by males . . . . .	2,297	293	39.9	60.1	54.3	2,358	312	38.3	61.7	54.0
With children under 18 years of age . . . . .	792	116	45.3	54.7	51.3	813	109	45.9	54.1	47.7
<b>White</b>										
Total families . . . . .	51,989	4,641	25.3	74.7	66.7	52,378	4,897	25.1	74.9	66.4
With children under 18 years of age . . . . .	25,963	2,876	25.6	74.4	66.4	25,993	3,006	25.8	74.2	65.5
Married-couple families . . . . .	43,983	3,736	20.7	79.3	71.4	44,144	3,873	20.0	80.0	71.9
With children under 18 years of age . . . . .	21,822	2,360	20.0	80.0	71.9	21,662	2,426	19.6	80.4	71.9
Families maintained by females . . . . .	6,132	693	46.1	53.9	44.5	6,310	796	46.5	53.5	42.5
With children under 18 years of age . . . . .	3,501	427	53.1	46.9	38.0	3,664	495	53.4	46.6	36.0
Families maintained by males . . . . .	1,873	211	37.9	62.1	55.5	1,923	229	37.4	62.6	55.7
With children under 18 years of age . . . . .	640	89	43.2	56.8	53.9	666	85	41.9	58.1	51.2
<b>Black</b>										
Total families . . . . .	6,385	1,125	37.4	62.6	53.7	6,500	1,256	37.7	62.3	53.4
With children under 18 years of age . . . . .	3,888	742	39.2	60.8	52.3	3,915	825	41.3	58.7	51.0
Married-couple families . . . . .	3,520	561	20.8	79.2	71.4	3,491	617	21.4	78.6	70.5
With children under 18 years of age . . . . .	1,981	371	19.5	80.5	73.2	1,977	415	20.2	79.8	72.8
Families maintained by females . . . . .	2,501	492	55.2	44.5	34.0	2,636	564	55.0	45.0	35.6
With children under 18 years of age . . . . .	1,771	346	59.7	40.3	30.3	1,812	388	63.0	37.0	28.7
Families maintained by males . . . . .	364	72	45.2	54.8	50.7	373	75	42.1	57.9	47.4
With children under 18 years of age . . . . .	135	25	(1)	(1)	(1)	126	22	(1)	(1)	(1)
<b>Hispanic origin</b>										
Total families . . . . .	3,128	439	31.4	68.6	61.5	3,278	469	31.1	68.9	60.6
With children under 18 years of age . . . . .	2,146	316	32.6	67.4	60.4	2,244	335	33.4	66.6	59.4
Married-couple families . . . . .	2,310	336	25.3	74.7	67.6	2,395	333	24.9	75.1	67.7
With children under 18 years of age . . . . .	1,600	251	25.5	74.5	66.9	1,661	253	25.0	75.0	67.9
Families maintained by females . . . . .	641	76	61.8	38.2	32.9	698	105	50.0	50.0	37.7
With children under 18 years of age . . . . .	483	52	67.3	32.7	26.9	517	74	60.8	39.2	31.1
Families maintained by males . . . . .	176	27	(1)	(1)	(1)	185	31	(1)	(1)	(1)
With children under 18 years of age . . . . .	63	13	(1)	(1)	(1)	65	9	(1)	(1)	(1)

<sup>1</sup> Percent not shown where base is less than 35,000.

# HOUSEHOLD DATA ANNUAL AVERAGES

## 61. Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1980				1981			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed persons in family	With at least one employed person in family	With at least one person in family employed full time		With no employed persons in family	With at least one employed person in family	With at least one person in family employed full time
<b>TOTAL</b>								
Total unemployed	7,448	40.2	59.8	52.8	8,080	40.1	59.9	52.6
In families	6,377	30.2	69.8	61.6	6,908	29.9	70.1	61.5
Husbands	1,578	45.4	54.6	41.6	1,634	44.6	55.4	41.8
With children under 18 years of age	1,019	48.7	51.3	37.2	1,057	47.8	52.2	37.5
Wives	1,343	16.6	83.4	77.7	1,413	17.2	82.8	77.4
With children under 18 years of age	840	13.7	86.3	80.9	897	15.1	84.9	79.2
Relatives in married-couple families	1,796	9.3	90.7	85.8	1,957	8.6	91.4	86.0
Females who maintain families	470	80.7	19.3	12.3	566	81.6	18.4	10.7
With children under 18 years of age	391	87.0	13.0	7.2	469	87.5	12.5	6.0
Relatives in families maintained by females	873	35.0	65.0	53.6	995	32.9	67.1	55.6
Males who maintain families	118	72.0	28.0	21.4	130	65.6	34.4	26.1
With children under 18 years of age	53	86.4	13.6	10.1	54	84.5	15.5	9.4
Relatives in families maintained by males	200	24.9	75.1	69.4	214	25.5	74.5	67.1
Not in families <sup>1</sup>	1,071	--	--	--	1,172	--	--	--
<b>White</b>								
Total unemployed	5,790	38.2	61.8	55.0	6,246	38.1	61.9	54.6
In families	4,960	27.8	72.2	64.2	5,320	27.4	72.6	64.1
Husbands	1,346	45.7	54.3	40.8	1,376	44.7	55.3	40.9
With children under 18 years of age	860	49.4	50.6	35.7	875	48.3	51.7	35.9
Wives	1,147	15.7	84.3	78.7	1,195	16.5	83.5	78.2
With children under 18 years of age	703	12.9	87.1	81.9	742	14.2	85.8	80.2
Relatives in married-couple families	1,497	8.9	91.1	86.6	1,633	8.0	92.0	87.2
Females who maintain families	269	78.0	22.0	14.5	314	77.2	22.8	13.0
With children under 18 years of age	215	86.0	14.0	7.9	251	85.0	15.0	6.8
Relatives in families maintained by females	472	31.5	68.5	58.6	548	30.8	69.2	57.9
Males who maintain families	82	72.6	27.4	20.4	95	64.8	35.2	27.2
With children under 18 years of age	39	84.9	15.1	11.0	41	81.6	18.4	11.2
Relatives in families maintained by males	146	23.2	76.8	70.7	158	25.8	74.2	67.6
Not in families <sup>1</sup>	830	--	--	--	926	--	--	--
<b>Black</b>								
Total unemployed	1,499	48.0	52.0	44.4	1,676	47.1	52.9	45.4
In families	1,282	39.2	60.8	51.9	1,454	39.0	61.0	52.3
Husbands	199	41.4	58.6	48.1	228	43.2	56.8	48.4
With children under 18 years of age	137	42.5	57.5	47.2	160	44.5	55.5	47.6
Wives	162	22.2	77.8	71.6	185	21.5	78.5	71.9
With children under 18 years of age	115	18.2	81.8	75.4	134	19.3	80.7	74.0
Relatives in married-couple families	263	11.7	88.3	81.6	286	11.3	88.7	80.3
Females who maintain families	191	85.4	14.6	8.6	240	87.2	12.8	7.7
With children under 18 years of age	168	89.1	10.9	5.6	208	90.5	9.5	5.0
Relatives in families maintained by females	386	39.4	60.6	47.3	435	35.3	64.7	53.0
Males who maintain families	32	(2)	(2)	(2)	30	(2)	(2)	(2)
With children under 18 years of age	12	(2)	(2)	(2)	12	(2)	(2)	(2)
Relatives in families maintained by males	49	29.8	70.2	65.2	51	24.4	75.6	65.8
Not in families <sup>1</sup>	217	--	--	--	222	--	--	--
<b>Hispanic origin</b>								
Total unemployed	554	39.4	60.6	54.5	602	41.2	58.8	51.2
In families	498	32.4	67.6	60.7	526	32.7	67.3	58.6
Husbands	139	50.8	49.2	39.3	139	51.2	48.8	37.9
With children under 18 years of age	108	53.4	46.6	37.0	110	53.1	46.9	36.1
Wives	92	16.3	83.7	76.7	96	16.9	83.1	77.0
With children under 18 years of age	68	15.0	85.0	79.0	70	15.7	84.3	79.3
Relatives in married-couple families	149	9.5	90.5	85.5	138	9.2	90.8	84.2
Females who maintain families	33	(2)	(2)	(2)	41	75.3	24.7	14.1
With children under 18 years of age	28	(2)	(2)	(2)	34	(2)	(2)	(2)
Relatives in families maintained by females	53	48.4	51.6	46.4	76	34.1	65.9	53.1
Males who maintain families	8	(2)	(2)	(2)	17	(2)	(2)	(2)
With children under 18 years of age	5	(2)	(2)	(2)	6	(2)	(2)	(2)
Relatives in families maintained by males	23	(2)	(2)	(2)	20	(2)	(2)	(2)
Not in families <sup>1</sup>	56	--	--	--	76	--	--	--

<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> Percent not shown where base is less than 35,000.



# HOUSEHOLD DATA ANNUAL AVERAGES

## 82. Employed persons by family relationship, race, Hispanic origin, and presence of additional employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1980				1981			
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed person in family	With another employed person in family	With another person in family employed full time		With no other employed person in family	With another employed person in family	With another person in family employed full time
<b>TOTAL</b>								
Total employed .....	97,270	37.6	62.4	53.0	98,313	37.8	62.2	52.7
In families .....	82,644	26.6	73.4	62.4	83,185	26.4	73.6	62.3
Husbands .....	37,505	37.6	62.4	45.2	37,317	36.8	63.2	45.6
With children under 18 years of age .....	22,196	39.9	60.1	39.8	22,029	39.4	60.6	40.0
Wives .....	22,781	9.4	90.6	85.8	23,157	9.6	90.4	85.6
With children under 18 years of age .....	12,231	5.4	94.6	90.8	12,430	5.7	94.3	90.5
Relatives in married-couple families .....	11,358	5.5	94.5	90.8	11,433	5.7	94.3	90.2
Females who maintain families .....	4,686	65.2	34.8	23.5	4,902	66.5	33.5	22.2
With children under 18 years of age .....	3,147	76.6	23.4	12.4	3,293	78.7	21.3	10.8
Relatives in families maintained by females .....	3,510	27.4	72.6	61.6	3,509	27.6	72.4	61.2
Males who maintain families .....	1,643	56.3	43.7	33.2	1,658	56.8	43.2	32.1
With children under 18 years of age .....	666	69.3	30.7	18.1	682	70.9	29.1	15.6
Relatives in families maintained by males .....	1,161	15.4	84.6	77.7	1,209	17.4	82.6	75.8
Not in families <sup>1</sup> .....	14,626	---	---	---	15,128	---	---	---
<b>Whites</b>								
Total employed .....	86,380	37.2	62.8	53.2	87,340	37.2	62.8	53.0
In families .....	73,549	26.2	73.8	62.5	74,073	25.9	74.1	62.5
Husbands .....	34,346	38.1	61.9	44.2	34,193	37.2	62.8	44.6
With children under 18 years of age .....	20,124	40.8	59.2	38.2	19,963	40.1	59.9	38.4
Wives .....	20,428	8.9	91.1	86.4	20,830	9.1	90.9	86.1
With children under 18 years of age .....	10,774	4.8	95.2	91.5	10,982	5.1	94.9	91.2
Relatives in married-couple families .....	10,359	5.4	94.6	91.0	10,443	5.6	94.4	90.6
Females who maintain families .....	3,430	63.1	36.9	24.6	3,568	64.4	35.6	23.1
With children under 18 years of age .....	2,239	75.3	24.7	12.2	2,359	77.4	22.6	10.7
Relatives in families maintained by females .....	2,652	27.6	72.4	61.8	2,661	27.8	72.2	61.3
Males who maintain families .....	1,371	55.6	44.4	33.2	1,384	56.3	43.7	31.8
With children under 18 years of age .....	552	68.0	32.0	18.2	575	69.3	30.7	16.0
Relatives in families maintained by males .....	962	15.0	85.0	78.0	994	16.7	83.3	76.7
Not in families <sup>1</sup> .....	12,831	---	---	---	13,267	---	---	---
<b>Black</b>								
Total employed .....	9,098	43.0	57.0	49.6	9,134	44.1	55.9	48.4
In families .....	7,577	31.5	68.5	59.6	7,557	32.4	67.6	58.5
Husbands .....	2,577	31.6	68.4	56.4	2,520	31.7	68.3	56.5
With children under 18 years of age .....	1,679	31.5	68.5	56.3	1,644	31.9	68.1	56.5
Wives .....	1,887	14.6	85.4	80.0	1,855	15.3	84.7	78.7
With children under 18 years of age .....	1,165	10.2	89.8	85.1	1,152	11.2	88.8	83.3
Relatives in married-couple families .....	754	7.7	92.3	86.3	741	8.2	91.8	85.2
Females who maintain families .....	1,174	72.1	27.9	19.9	1,248	72.8	27.2	19.0
With children under 18 years of age .....	862	80.4	19.6	12.5	880	82.5	17.5	10.6
Relatives in families maintained by females .....	793	27.6	72.4	59.7	783	27.7	72.3	60.1
Males who maintain families .....	230	61.7	38.3	31.5	236	59.6	40.4	32.8
With children under 18 years of age .....	102	76.1	23.9	17.6	94	79.7	20.3	13.0
Relatives in families maintained by males .....	163	19.5	80.5	74.4	175	22.0	78.0	69.7
Not in families <sup>1</sup> .....	1,521	---	---	---	1,577	---	---	---
<b>Hispanic origin</b>								
Total employed .....	4,931	39.2	60.8	53.1	5,148	38.8	61.2	53.4
In families .....	4,261	29.6	70.4	61.4	4,469	29.5	70.5	61.6
Husbands .....	1,879	43.5	56.5	44.1	1,949	42.3	57.7	45.7
With children under 18 years of age .....	1,387	46.2	53.8	40.5	1,442	45.2	54.8	42.1
Wives .....	986	8.8	91.2	86.2	1,057	8.9	91.1	85.9
With children under 18 years of age .....	665	7.2	92.8	87.8	725	7.6	92.4	87.9
Relatives in married-couple families .....	661	6.1	93.9	88.0	670	6.8	93.2	88.0
Females who maintain families .....	271	71.3	28.7	21.3	293	70.1	29.9	21.7
With children under 18 years of age .....	201	80.7	19.3	12.0	210	80.7	19.3	11.0
Relatives in families maintained by females .....	187	24.7	75.3	63.7	228	28.5	71.5	60.4
Males who maintain families .....	144	48.4	51.6	43.1	139	49.6	50.4	39.3
With children under 18 years of age .....	53	66.9	33.1	27.3	53	74.3	25.7	15.6
Relatives in families maintained by males .....	134	6.4	93.6	88.5	134	12.3	87.7	79.7
Not in families <sup>1</sup> .....	670	---	---	---	679	---	---	---

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

**ESTABLISHMENT DATA  
ANNUAL AVERAGES**

**1. Employees on nonagricultural payrolls by industry and major manufacturing group**

[In thousands]

Industry	1978	1979	1980	1981 <sup>p</sup>	Change from	
					1979-1980	1980-1981 <sup>p</sup>
<b>TOTAL</b> .....	86,697	89,823	90,564	91,548	741	984
<b>GOODS-PRODUCING</b> .....	25,585	26,461	25,718	25,676	-743	-42
<b>MINING</b> .....	851	958	1,020	1,104	62	84
<b>CONSTRUCTION</b> .....	4,229	4,463	4,399	4,307	-64	-92
<b>MANUFACTURING</b> .....	20,505	21,040	20,300	20,264	-740	-36
<b>DURABLE GOODS</b> .....	12,274	12,760	12,181	12,139	-579	-42
Lumber and wood products .....	754.7	766.9	690.3	680.0	-76.6	-10.3
Furniture and fixtures .....	494.1	497.8	468.8	476.8	-29.0	8.0
Stone, clay, and glass products .....	698.2	708.7	665.6	650.7	-43.1	-14.9
Primary metal industries .....	1,214.9	1,253.9	1,144.1	1,128.5	-109.8	-15.6
Fabricated metal products .....	1,672.6	1,717.7	1,609.0	1,584.0	-108.7	-25.0
Machinery, except electrical .....	2,325.5	2,484.8	2,497.0	2,512.9	12.2	15.9
Electric and electronic equipment .....	2,006.1	2,116.9	2,103.2	2,133.8	-13.7	30.6
Transportation equipment .....	2,002.8	2,077.2	1,875.3	1,839.2	-201.9	-36.1
Instruments and related products .....	653.1	691.2	708.5	717.6	17.3	9.1
Miscellaneous manufacturing industries .....	451.5	444.8	419.3	415.3	-25.5	-4.0
<b>NONDURABLE GOODS</b> .....	8,231	8,280	8,118	8,126	-162	8
Food and kindred products .....	1,724.1	1,732.5	1,710.8	1,683.4	-21.7	-27.4
Tobacco manufactures .....	70.6	70.0	69.2	71.1	-8	1.9
Textile mill products .....	899.1	885.1	852.7	839.6	-32.4	-13.1
Apparel and other textile products .....	1,332.3	1,304.3	1,265.8	1,255.7	-38.5	-10.1
Paper and allied products .....	698.7	706.8	694.0	692.4	-12.8	-1.6
Printing and publishing .....	1,192.0	1,235.1	1,258.3	1,288.2	23.2	29.9
Chemicals and allied products .....	1,095.5	1,109.3	1,107.4	1,107.4	-1.9	.0
Petroleum and coal products .....	207.7	209.8	196.6	210.9	-13.2	14.3
Rubber and misc. plastics products .....	754.5	781.6	730.7	744.3	-50.9	13.6
Leather and leather products .....	256.8	245.7	232.6	232.8	-13.1	.2
<b>SERVICE-PRODUCING</b> .....	61,113	63,363	64,847	65,873	1,484	1,026
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,923	5,136	5,143	5,152	7	9
<b>WHOLESALE AND RETAIL TRADE</b> .....	19,542	20,192	20,386	20,736	194	350
<b>WHOLESALE TRADE</b> .....	4,969	5,204	5,281	5,343	77	62
<b>RETAIL TRADE</b> .....	14,573	14,989	15,104	15,393	115	289
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	4,724	4,975	5,168	5,330	193	162
<b>SERVICES</b> .....	16,252	17,112	17,901	18,598	789	697
<b>GOVERNMENT</b> .....	15,672	15,947	16,249	16,056	302	-193
<b>FEDERAL</b> .....	2,753	2,773	2,866	2,774	93	-92
<b>STATE AND LOCAL</b> .....	12,919	13,174	13,383	13,283	209	-100

p=preliminary.

**ESTABLISHMENT DATA  
ANNUAL AVERAGES**

**2. Production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls  
by industry division and major manufacturing group**

[In thousands]

Industry	1978	1979	1980	1981 <sup>P</sup>	Change from	
					1979-1980	1980-1981 <sup>P</sup>
<b>TOTAL PRIVATE</b> .....	58,156	60,367	60,457	61,210	90	753
<b>MINING</b> .....	638	719	757	812	38	55
<b>CONSTRUCTION</b> .....	3,354	3,565	3,461	3,350	-104	-111
<b>MANUFACTURING</b> .....	14,734	15,068	14,223	14,088	-845	-135
<b>DURABLE GOODS</b> .....	8,805	9,110	8,438	8,321	-672	-117
Lumber and wood products .....	646.6	653.6	577.3	565.3	-76.3	-12.0
Furniture and fixtures .....	406.3	405.9	378.5	384.2	-27.4	5.7
Stone, clay, and glass products .....	554.3	558.7	515.8	501.0	-42.9	-14.8
Primary metal industries .....	954.3	986.4	879.2	866.9	-107.2	-12.3
Fabricated metal products .....	1,270.0	1,298.9	1,192.6	1,168.0	-106.3	-24.6
Machinery, except electrical .....	1,526.4	1,634.3	1,604.9	1,592.4	-29.4	-12.5
Electric and electronic equipment .....	1,317.9	1,388.1	1,336.3	1,338.0	-51.8	1.7
Transportation equipment .....	1,383.9	1,423.3	1,215.4	1,176.2	-207.9	-39.2
Instruments and related products .....	400.3	421.6	423.5	421.6	1.9	-1.9
Miscellaneous manufacturing industries .....	344.5	338.8	314.0	307.1	-24.8	-6.9
<b>NONDURABLE GOODS</b> .....	5,929	5,958	5,786	5,768	-172	-18
Food and kindred products .....	1,173.9	1,190.8	1,175.2	1,152.8	-15.6	-22.4
Tobacco manufactures .....	56.2	55.5	53.9	55.3	-1.6	1.4
Textile mill products .....	783.1	770.9	741.3	727.1	-29.6	-14.2
Apparel and other textile products .....	1,144.6	1,116.8	1,081.6	1,069.4	-35.2	-12.2
Paper and allied products .....	524.7	535.6	523.5	521.3	-12.1	-2.2
Printing and publishing .....	671.9	697.2	702.7	711.8	5.5	9.1
Chemicals and allied products .....	627.6	633.3	625.5	626.6	-7.8	1.1
Petroleum and coal products .....	135.5	137.1	123.9	132.4	-13.2	8.5
Rubber and misc. plastics products .....	591.2	611.8	561.8	573.8	-50.0	12.0
Leather and leather products .....	220.4	209.1	196.3	197.1	-12.8	.8
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,142	4,299	4,291	4,274	-8	-17
<b>WHOLESALE AND RETAIL TRADE</b> .....	17,219	17,748	17,881	18,128	133	247
<b>WHOLESALE TRADE</b> .....	4,094	4,274	4,319	4,348	45	29
<b>RETAIL TRADE</b> .....	13,125	13,474	13,562	13,779	88	217
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,593	3,776	3,913	4,026	137	113
<b>SERVICES</b> .....	14,476	15,193	15,930	16,533	737	603

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

p=preliminary.

**ESTABLISHMENT DATA  
ANNUAL AVERAGES**

**3. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls  
by industry division and major manufacturing group**

Industry	Average weekly hours				Average hourly earnings				Average weekly earnings			
	1978	1979	1980	1981 <sup>P</sup>	1978	1979	1980	1981 <sup>P</sup>	1978	1979	1980	1981 <sup>P</sup>
<b>TOTAL PRIVATE</b> .....	35.8	35.7	35.3	35.2	\$5.69	6.16	6.66	\$7.25	\$203.70	219.91	\$235.10	\$255.20
<b>MINING</b> .....	43.4	43.0	43.2	43.6	7.67	8.49	9.17	10.06	332.88	365.07	396.14	438.62
<b>CONSTRUCTION</b> .....	36.8	37.0	37.0	36.8	8.66	9.27	9.92	10.75	318.69	342.99	367.04	395.60
<b>MANUFACTURING</b> .....	40.4	40.2	39.7	39.8	6.17	6.70	7.27	7.99	249.27	269.34	288.62	318.00
<i>Overtime hours</i> .....	3.6	3.3	2.8	2.8	-	-	-	-	-	-	-	-
<b>DURABLE GOODS</b> .....	41.1	40.8	40.1	40.2	6.58	7.13	7.75	8.52	270.44	290.90	310.78	342.50
<i>Overtime hours</i> .....	3.8	3.5	2.8	2.8	-	-	-	-	-	-	-	-
Lumber and wood products .....	39.8	39.4	38.6	38.7	5.60	6.07	6.53	7.00	222.88	239.16	252.06	270.90
Furniture and fixtures .....	39.3	38.7	38.1	38.4	4.68	5.06	5.49	5.90	183.92	195.82	209.17	226.56
Stone, clay, and glass products .....	41.6	41.5	40.8	40.7	6.33	6.85	7.50	8.27	263.33	284.28	306.00	336.59
Primary metal industries .....	41.8	41.4	40.1	40.5	8.20	8.98	9.77	10.81	342.76	371.77	391.78	437.81
Fabricated metal products .....	41.0	40.7	40.4	40.3	6.35	6.85	7.45	8.20	260.35	278.80	300.98	330.46
Machinery, except electrical .....	42.1	41.8	41.0	40.9	6.78	7.32	8.00	8.83	285.44	305.98	328.00	361.15
Electric and electronic equipment .....	40.3	40.3	39.8	39.9	5.82	6.32	6.95	7.66	234.55	254.70	276.61	305.63
Transportation equipment .....	42.2	41.1	40.6	40.9	7.91	8.53	9.32	10.31	333.80	350.58	378.39	421.68
Instruments and related products .....	40.9	40.8	40.5	40.4	5.71	6.17	6.80	7.44	233.54	251.74	275.40	300.58
Miscellaneous manufacturing industries .....	38.8	38.8	38.7	38.9	4.69	5.03	5.47	5.98	181.97	195.16	211.69	232.62
<b>NONDURABLE GOODS</b> .....	39.4	39.3	39.0	39.2	5.53	6.01	6.56	7.19	217.88	236.19	255.84	281.85
<i>Overtime hours</i> .....	3.2	3.1	2.8	2.8	-	-	-	-	-	-	-	-
Food and kindred products .....	39.7	39.9	39.7	39.7	5.80	6.27	6.86	7.46	230.26	250.17	272.34	296.16
Tobacco manufactures .....	38.1	38.0	38.1	38.8	6.13	6.67	7.73	8.81	233.55	253.46	294.51	341.83
Textile mill products .....	40.4	40.4	40.1	39.7	4.30	4.66	5.08	5.52	173.72	188.26	203.71	219.14
Apparel and other textile products .....	35.6	35.3	35.4	35.7	3.94	4.23	4.57	4.98	140.26	149.32	161.78	177.79
Paper and allied products .....	42.9	42.6	42.3	42.5	6.52	7.13	7.84	8.60	279.71	303.74	331.63	365.50
Printing and publishing .....	37.6	37.5	37.1	37.3	6.51	6.94	7.53	8.20	244.78	260.25	279.36	305.86
Chemicals and allied products .....	41.9	41.9	41.5	41.6	7.02	7.60	8.30	9.12	294.14	318.44	344.45	379.39
Petroleum and coal products .....	43.6	43.8	41.8	43.3	8.63	9.36	0.09	11.36	376.27	409.97	421.76	491.89
Rubber and misc. plastics products .....	40.9	40.5	40.1	40.4	5.52	5.97	6.56	7.25	225.77	241.79	263.06	292.90
Leather and leather products .....	37.1	36.5	36.7	36.8	3.89	4.22	4.58	4.99	144.32	154.03	168.09	183.63
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	40.0	39.9	39.6	39.4	7.57	8.16	8.87	9.72	302.80	325.58	351.25	382.97
<b>WHOLESALE AND RETAIL TRADE</b> .....	32.9	32.6	32.2	32.1	4.67	5.06	5.48	5.92	153.64	164.96	176.46	190.03
<b>WHOLESALE TRADE</b> .....	38.8	38.8	38.5	38.6	5.88	6.39	6.96	7.58	228.14	247.93	267.96	292.59
<b>RETAIL TRADE</b> .....	31.0	30.6	30.2	30.1	4.20	4.53	4.88	5.25	130.20	138.62	147.38	158.03
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	36.4	36.2	36.2	36.2	4.89	5.27	5.78	6.30	178.00	190.77	209.24	228.06
<b>SERVICES</b> .....	32.8	32.7	32.6	32.6	4.99	5.36	5.85	6.41	163.67	175.27	190.71	208.97

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

<sup>P</sup>=preliminary unweighted averages.

# Explanatory Notes

## Introduction

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

*Data based on household interviews* are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed, and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 60,000 households, representing 629 areas in 1,133 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

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

### RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

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

#### Employment

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

*Multiple jobholding.* The household approach provides information on the work status of the population without duplication, since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once and are classified according to the job at which they worked the greatest number of hours during the survey week. In the figures based on establishment reports, persons who worked in more than one establishment during the reporting period are counted each time their names appear on payrolls.

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

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

#### Hours of work

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

#### Earnings

The household survey measures median earnings of wage and salary workers in all occupations and industries in both the private and public sectors. Data refer to the usual earnings received from the worker's sole or primary job. Data from the establishment survey generally refer to mean earnings of production and related workers in mining and manufacturing, construction workers in construction, and nonsupervisory employees in private service-producing industries. For a comprehensive discussion of the household survey earnings series, see "Technical Description of the Quarterly Data on Weekly Earnings from the Current Population Survey," BLS Report 601.

### COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

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

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

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

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

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

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

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

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

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

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

## Household Data (A tables)

### COLLECTION AND COVERAGE

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

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

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

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

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

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

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

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

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

## CONCEPTS

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

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

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

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

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

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

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

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

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

*The unemployment rate* represents the number unemployed as a percent of the civilian labor force. This measure can also be computed

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

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

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

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

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

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

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

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

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

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

dispute, or otherwise absent from their jobs for voluntary, noneconomic reasons.

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

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

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

*White and black and other* are terms used to describe the race of workers. The "black-and-other category," includes all persons who identified themselves in the enumeration process to be other than white. At the time of the 1970 Census of Population, 89 percent of the black-and-other population group were black; the remainder were primarily American Indians, Alaskan Natives, and Asians and Pacific Islanders. The term "black" is used in this volume when the relevant data are provided exclusively for the black population.

*Hispanic origin* refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American, or of other Hispanic origin or descent. According to the 1970 Census of Population, approximately 96 percent of their population is white.

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

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

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

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

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

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

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

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

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

## HISTORIC COMPARABILITY

### Raised lower age limit

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

### Noncomparability of labor force levels

Before the changes introduced in 1967, the labor force data were not comparable for three earlier periods: (1) Beginning in 1953, as a result of the introduction of data from the 1950 census into the estimation procedure, population levels were raised by about 600,000; labor force, total employment, and agricultural employment by about 350,000, primarily affecting the figures for totals and males; other categories were relatively unaffected; (2) beginning in 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force, four-fifths of this in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning in 1962, the introduction of figures from the 1960 census reduced the population by about 50,000, labor force and employment by about 200,000; unemployment totals were virtually unchanged. In addition, beginning in 1972, information from the 1970 census was introduced into the estimation procedures, producing an increase in the civilian noninstitutional population of about 800,000; labor force and employment totals were raised by a little more than 300,000, and unemployment levels and rates were



essentially unchanged. A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment affected the white and black and other groups but had little effect on totals. The adjustment resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black and other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black and other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

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

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

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

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

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

#### Changes in the occupational classification system

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

groups; the nonfarm laborers group increased by 420,000, and changes in other groups amounted to 220,000 or less.

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

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

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

#### Changes in sample design

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

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, occasionally the sample is expanded in terms of number of sample areas and number of sample persons. In 1953, a rotation plan was introduced in which a sample unit would be interviewed for 4 months, leave the sample for 8 months, and then return to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to the sample to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated with the existing design. A coverage improvement sample, composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units, was included in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction housing units that previously had no chance for selection in the CPS sample. In January 1980 another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added to the existing sample. A sample reduction of about 6,000 units was implemented in May 1981.

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

## ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. There are no subsequent adjustments to independent benchmark data on labor force, employment, or unemployment. Therefore, revisions of the historical data are not an inherent feature of this statistical program.

The CPS estimation procedure involves weighting the data from each sample person. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 and 1980 expansions, almost all sample persons within the same sample area have the same basic weight, but the weight may differ across sample areas. The basic weight is the same for almost all sample persons in unsupplemented States. The basic weights are then adjusted for noninterview, and the ratio estimation procedure is applied.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and within these, for six groups—two race categories (white, and black and other) within three residence categories. For sample areas which are Standard Metropolitan Statistical Areas (SMSA's), these residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 4 to 5 percent depending on weather, vacations, etc.

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

a. *First-stage ratio estimate.* In the CPS, a portion of the 629 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two

geographic levels: First, by the four census regions (Northeast, North Central, South, and West), and second, for each of the 46 States which contains nonsample areas. The procedure corrects for the differences that existed at the time of the 1970 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by urban-rural status and race.

b. *Second-stage ratio estimate.* In this stage, the sample proportions in the categories described below are adjusted to the distribution of independent current estimates of the population in the same categories. The second-stage ratio estimate is done in order to increase the reliability of the estimates and is done in three steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over for the State. The second step involves "nonwhite" persons only, and is an adjustment to independent estimates of 40 age-sex-race categories across the whole Nation. (The race categories used are black and other minority races.) The third adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of State population and of national age-sex-race categories, will be virtually equal to the independent population estimates.

The independent controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1, 1970 census through the latest available July 1 estimate, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in *Current Population Reports*, Series P-25. For a description of the methodology used in developing the State total, see Report 640 of that series. Descriptions of the age estimates methodology are available on request from the Chief of the Population Division, U.S. Bureau of the Census, Washington, D.C. 20233.

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

Table A. Characteristics of the CPS sample

Time period	Number of sample areas	Households eligible		Households visited not eligible
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954 .....	68	21,000	500-1,000	3,000-3,500
Feb. 1954 to Apr. 1956 .....	230	21,000	500-1,000	3,000-3,500
May 1956 to Dec. 1959 .....	330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963 .....	333	33,500	1,500	6,000
Mar. 1963 to Dec. 1966 .....	357	33,500	1,500	6,000
Jan. 1967 to July 1971 .....	449	48,000	2,000	8,500
Aug. 1971 to July 1972 .....	449	45,000	2,000	8,000
Aug. 1972 to Dec. 1977 .....	461	45,000	2,000	8,000
Jan. 1978 to Dec. 1979 .....	614	53,500	2,500	10,000
Jan. 1980 to Apr. 1981 .....	629	62,200	2,800	12,000
May 1981 to present .....	629	57,500	2,500	11,000

<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.

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

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

### **Rounding of estimates**

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

### **Reliability of the estimates**

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

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

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

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

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

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Overall undercoverage as compared to the level of the decennial census, is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females and larger for black and other races than for whites. Ratio estimation to independent age-sex-race population controls, as described previously, partially corrects for the biases due to survey undercoverage.

However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race group. Further, the independent population controls used have not been adjusted for undercoverage in the 1970 census, which was estimated at 2.5 percent of the population, with differentials by age, sex, and race similar to those observed in the CPS.

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

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

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

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

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

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

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

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

Generalized standard errors for estimated monthly percentages and estimated month-to-month change in percentages can be obtained through the use of the standard errors in table H and the factors in table I. First obtain the standard error from table H for the specific percentage and base. The generalized standard error is then calculated by multiplying the standard error from table H by the appropriate factor from table I. When the numerator and denominator of the percentage are in different categories, use the factor indicated by the numerator of the percentage.

*Illustration.* For example, assume that in a given month 3.6 percent of a total of 90,771,000 employed persons are employed in agriculture. First the standard error on an estimate of 3.6 percent with a base of 90,771,000 is obtained from table H (0.09 percentage point). The appropriate factor from table I for the numerator of the percentage, agricultural employment, is 1.26. The generalized standard error characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between two consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard errors, as described below, for levels, labor force participation rates, and percentages as pertaining to year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50 and for the 1956-66 period they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates of persons and families for use with the CPS earnings data.

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

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

*Standard errors for rates and percentages.* The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends on both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are on the estimated 3.6 percent is then approximately  $0.09 \times 1.26 = 0.1$  percentage point.

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

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

*Illustration.* For example, suppose that one is interested in the year-to-year change of a monthly unemployment rate. Let us assume that for a certain month the unemployment rate is 6.9 percent based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent based on a total of 94,254,000 in the civilian labor force for the month. First, the standard error on the average of the two estimates, 6.5 percent with a base of 94,965,000, is obtained from table F (0.11 percentage point). The appropriate factor then from table J is 1.40. The approximate standard error on the change of 0.8 percent is then given by  $0.11 \times 1.40 = 0.15$  percentage point.

The approximate standard error of levels involving year-to-year change of quarterly estimates pertaining to CPS earnings data for per-

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

(In thousands)

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

sons and families may be obtained by using table K in conjunction with the following formula:

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

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

**Illustration:**

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

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

or about 259,000.

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

Selected categories	Standard error of-		Selected categories	Standard error of-	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers) .....	0.12	0.12	OCCUPATION		
Males, 20 years and over .....	.15	.15	Blue-collar workers—Continued		
Females, 20 years and over .....	.17	.18	Operatives, except transport .....	0.44	0.50
Both sexes, 16-19 years .....	.57	.67	Transport equipment operatives .....	.70	.77
White workers .....	.12	.12	Nonfarm laborers .....	.71	.81
Black (and other) workers .....	.46	.49	Service workers .....	.32	.36
Married men, spouse present .....	.15	.16	Farm workers .....	.54	.62
Married women, spouse present .....	.21	.23	INDUSTRY		
Full-time workers .....	.12	.13	Nonagricultural private wage and salary workers .....	.13	.13
Part-time workers .....	.32	.40	Construction .....	.59	.70
Unemployed 15 weeks and over .....	.06	.07	Manufacturing .....	.27	.30
OCCUPATION			Durable goods .....	.37	.41
White-collar workers .....	.12	.13	Nondurable goods .....	.39	.45
Professional and technical .....	.18	.20	Transportation and public utilities .....	.38	.42
Managers and administrators, except farm .....	.20	.23	Wholesale and retail trade .....	.26	.29
Sales workers .....	.36	.41	Finance and service industries .....	.17	.19
Clerical workers .....	.23	.25	Government workers .....	.20	.23
Blue-collar workers .....	.24	.26	Agricultural wage and salary workers .....	1.07	1.26
Craft and kindred workers .....	.33	.37			

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

(In thousands)

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

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

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

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

(In thousands)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

(in thousands)

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

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

## COLLECTION

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

### Federal-State cooperation

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

### Shuttle schedules

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

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

## CONCEPTS

### Industrial classification

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

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

### Industry employment

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

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

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

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

### Industry hours and earnings

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

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

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

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

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

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

*Overtime hours* covers hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which includes the 12th of

the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded. *Gross average hourly and weekly earnings.* Average hourly earnings are on a "gross" basis. They reflect not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. They also reflect shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

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

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

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

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

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

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

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

earnings are derived by multiplying average weekly hours by average hourly earnings.

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

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

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

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

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

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

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

## Labor turnover

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

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

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

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

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

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

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

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

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

## Relationship of labor turnover to employment series

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

## ESTIMATING METHODS

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

## The "link relative" technique

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

## Size and regional stratification

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

## Benchmark adjustments

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

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

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

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

## THE SAMPLE

### Design

The sampling plan used in the current employment statistics program is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percent of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few

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

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
<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.	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers, women employees .....	All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. <sup>2</sup>	Sum of production- or nonsupervisory-worker estimates, or estimates of women employees, for component cells.
Gross average weekly hours .....	Production- or nonsupervisory-worker hours divided by number of production or nonsupervisory workers. <sup>2</sup>	Average, weighted by production- or nonsupervisory-worker employment, of the average weekly hours for component cells.
Average weekly overtime hours .....	Production-worker overtime hours divided by number of production workers. <sup>2</sup>	Average, weighted by production-worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings .....	Total production- or nonsupervisory-worker payroll divided by total production- or nonsupervisory-worker hours. <sup>2</sup>	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Gross average weekly earnings .....	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates .....	The number of particular actions (e.g., quits) in reporting establishments divided by total employment in those firms. The result is multiplied by 100.	Average, weighted by employment, of the rates for component cells.
<b>Annual average data</b>		
All employees, women employees, and production or nonsupervisory workers .....	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours .....	Annual total of aggregate hours (production- or nonsupervisory-worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours .....	Annual total of aggregate overtime hours (production-worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers
Gross average hourly earnings .....	Annual total of aggregate payrolls (product of production- or nonsupervisory-worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total by aggregate payrolls divided by annual aggregate hours.
Gross average weekly earnings .....	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates .....	Annual average aggregate (of each labor turnover action) divided by annual average employment.	Annual average aggregate (of each labor turnover action) divided by annual average employment.

The estimates result from multiplying the product shown by bias adjustment factors to compensate for the underrepresentation of newly formed enterprises in the sample and other bias sources.

<sup>2</sup> The sample production-worker ratio, women-worker ratio, average weekly hours, average overtime hours, and average hourly earnings are

modified by a wedging technique designed to compensate for changes in the sample arising mainly from the voluntary character of the reporting. The wedging procedure accepts the advantage of continuity from the use of the matched sample, and at the same time, tapers or wedges the estimate toward the level of the latest sample average.

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

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

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

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

#### Coverage

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

#### Reliability of the employment estimates

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

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

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

<sup>1</sup> Since a few establishments do not report payroll and hours information, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

<sup>2</sup> National estimates of Federal employment by agency are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 4,500 reports covering about 55 percent of employment in Federal establishments.

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

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

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

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

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

(In percent)

Industry division	Average benchmark revision in estimates of employment <sup>1</sup>	Relative errors <sup>2</sup>	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment .....	0.3	-	-
Total private .....	.3	0.1	0.2
Mining .....	1.0	.5	.5
Construction .....	1.7	.2	.3
Manufacturing .....	.3	.1	.1
Durable goods .....	.4	.1	.1
Nondurable goods .....	.4	.1	.1
Transportation and public utilities .....	.4	.7	.4
Trade .....	.4	.1	.2
Wholesale .....	.7	.2	.3
Retail .....	.4	.2	.2
Finance, insurance, and real estate .....	.5	.2	.4
Services .....	.7	.4	.8
Government <sup>3</sup> .....	.5	-	-

<sup>1</sup> The average percent revision in employment for the following benchmarks: 1970, 1971, 1974, 1978, 1979 and 1980.

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

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

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

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

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

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

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

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

Size of employment estimate	Root-mean-square error of employment estimates <sup>1</sup>	Relative errors <sup>2</sup> (in percent)	
		Average weekly hours	Average hourly earnings
50,000 .....	2,100	0.9	1.5
100,000 .....	4,400	.7	1.1
200,000 .....	7,100	.5	.9
500,000 .....	15,200	.4	.8
1,000,000 .....	17,100	.3	.5
2,000,000 .....	28,500	.3	.5

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

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

For the two most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. Table R presents root-mean-square errors of the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are normally not greater than 0.1 of an hour for weekly hours and 1 cent for hourly earnings.

### STATISTICS FOR STATES AND AREAS

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

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

### PRODUCTIVITY DATA

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

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

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

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

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

### Definitions

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

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

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

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

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

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

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

### Notes on the data

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

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

## State and Area Unemployment Data (E table)

### FEDERAL-STATE COOPERATIVE PROGRAM

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

### ESTIMATING METHODS

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

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

1. *Preliminary estimate—employment*: The total employment estimate is based primarily on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residence as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the major categories of employment by class of worker and industry on the basis of employment relationships which existed at the time of the 1970 Decennial Census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates.

2. *Preliminary estimate—unemployment*: In the current month, the estimate of unemployment is an aggregate of the estimates for each of three building block categories: (1) Persons who were previously employed in industries covered by State unemployment insurance (UI) laws; (2) those previously employed in industries not covered by these

laws; and (3) those who were either entering the labor force for the first time or reentering after a period of separation. This is referred to below as the UI-based estimate.

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

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

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

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

U = total entrant unemployment

E = total employment

X = total experienced unemployment

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

3. *Correction factors for employment and unemployment* are then applied at the State level to the UI-based estimates obtained above for



each of the 40 States and the District of Columbia. These correction factors are based on the ratio of the CPS to the UI-based estimates for the 6 month period ending in the current month (e.g. a 6-month moving average).

4. *Substate adjustment for additivity.* Independent estimates of employment and unemployment are prepared both for the State (obtained directly from the CPS in the 10 large States or by the UI-based method in the remaining States), and labor market areas (LMA's) within the State. The total of the geographic areas in the LMA's exhausts the geographic boundaries of the State. A proportional adjustment is applied to all substate LMA estimates to ensure that the substate estimates of employment and unemployment add to the independent State totals. In California and New York, which also have substate areas taken directly from the CPS, the additivity adjustment for the remaining areas is applied to the State total minus the direct CPS area.

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

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

## Seasonal Adjustment

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

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

Beginning in January 1980, the BLS introduced two major modifications in the seasonal adjustment methodology for data from the household survey. First, the data are being seasonally adjusted with a new procedure called X-11 ARIMA, which was developed at Statistics Canada as an extension of the existing standard X-11 method. A detailed description of the procedure appears in *The X-11 ARIMA Seasonal Adjustment Method*, by Estela Bee Dagum, Statistics Canada Catalogue No. 12-364E, February 1980. The X-11 procedure was originally developed at the Bureau of the Census and had been used by the BLS to seasonally adjust labor force series since 1973. Tests have shown that use of the X-11 ARIMA procedure, which essentially places more emphasis on recent data, provides better seasonal adjustments than does the X-11 method alone.

The second change is that seasonal factors are now being calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, the BLS will calculate and publish (in *Employment and Earnings*) a new set of seasonal factors for use in the second half, based on the experience through June. Revisions of historical data for the most recent 5 years will continue to be made once a year, at the beginning of each calendar year.

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

Revised seasonally adjusted data for selected labor force series based on the experience through December 1980, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1981, and a description of the current seasonal adjustment methodology are published in the January 1981 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the entire 5-year revision period for a broader range of labor force series appear in the February 1981 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.

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

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

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

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

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service in December. The employment of these workers constitutes the only significant seasonal change in

Federal Government employment during the winter months. Furthermore, the volume of such employment may change substantially from year to year because of administrative decisions by the Postal Service. Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based.

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

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

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# U.S. Department of Labor Bureau of Labor Statistics

REGION I - BOSTON  
John Fitzgerald Kennedy Federal Bldg.  
Government Center - Room 1603 A  
Boston, Mass. 02203

REGION II - NEW YORK  
Suite 3400  
1515 Broadway  
New York, N.Y. 10036

REGION III - PHILADELPHIA  
P.O. Box 13309  
Philadelphia, Pa. 19101

REGION IV - ATLANTA  
Suite 540  
1371 Peachtree Street, N.E.  
Atlanta, Ga. 30367

REGION V - CHICAGO  
9th Floor  
230 S. Dearborn Street  
Chicago, Ill. 60604

REGION VI - DALLAS  
2nd Floor  
555 Griffin Square  
Dallas, Tex. 75202

REGIONS VII & VIII - KANSAS CITY  
15th Floor  
911 Walnut Street  
Kansas City, Mo. 64106

REGION IX - X - SAN FRANCISCO  
Box 36017  
450 Golden Gate Avenue  
San Francisco, Calif. 94102

## COOPERATING STATE AGENCIES

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

BLS Region	
IV ALABAMA	-Department of Industrial Relations, Industrial Relations Building, Room 427, Montgomery 36130
X ALASKA	-Employment Security Division, Department of Labor, P.O. Box 3-7000, Juneau 99802
IX ARIZONA	-Department of Economic Security, P.O. Box 6123, Phoenix 85005
VI ARKANSAS	-Employment Security Division, Department of Labor, P.O. Box 2981, Little Rock 72203
IX CALIFORNIA	-Employment Development Department, P.O. Box 1679, Sacramento 95808 (CES)
VIII COLORADO	-Division of Employment and Training, 1278 Lincoln Street, Denver 80203
I CONNECTICUT	-Employment Security Division, Labor Department, 200 Folly Brook Boulevard, Wethersfield 06109
III DELAWARE	-Department of Labor, University Plaza Office Complex, Bldg. D, Chapman Rd., Route 273, Newark 19713
III DIST. OF COI	-Office of Administration and Management Services, D.C. Department of Labor, Suite 1000, 605 G Street, N.W., Washington 20001
IV FLORIDA	-Department of Labor and Employment Security, Caldwell Building, Tallahassee 32301
IV GEORGIA	-Department of Labor, 254 Washington Street, S.W., Atlanta 30334
IX HAWAII	-Department of Labor and Industrial Relations, P.O. Box 3680, Honolulu 96811
X IDAHO	-Department of Employment, P.O. Box 35, Boise 83707
IV ILLINOIS	-Bureau of Employment Security, 910 South Michigan Street, 15th Floor, Chicago 60605
V INDIANA	-Employment Security Division, 10 North Senate Avenue, Indianapolis 46204
VII IOWA	-Department of Job Service, 1000 East Grand Avenue, Des Moines 50319
VII KANSAS	-Division of Employment, Department of Human Resources, 401 Topeka Avenue, Topeka 66603
IV KENTUCKY	-Department of Human Resources, 275 E. Main Street, 2nd Floor West, Frankfort 40621
VI LOUISIANA	-Department of Labor, P.O. Box 44094 - Capitol Station, Baton Rouge 70804
I MAINE	-Department of Manpower Affairs, Bureau of Employment Security, 20 Union Street, Augusta 04330
III MARYLAND	-Department of Human Resources, 1100 North Eutaw Street, Baltimore 21201
I MASSACHUSETTS	-Division of Employment Security, Charles F. Hurley Building, Government Center, Boston 02114
V MICHIGAN	-Employment Security Commission, 1410 Woodward Avenue, Detroit 48202
V MINNESOTA	-Department of Economic Security, 390 North Robert Street, Room 517, St. Paul 55101
IV MISSISSIPPI	-Employment Security Commission, P.O. Box 1699, Jackson 39205
VII MISSOURI	-Division of Employment Security, Department of Labor and Industrial Relations, P.O. Box 59, Jefferson City 65101
VIII MONTANA	-Employment Security Division, Department of Labor and Industry, P.O. Box 1728, Helena 59601
VII NEBRASKA	-Division of Employment, Department of Labor, P.O. Box 94600, Lincoln 68509
IX NEVADA	-Employment Security Department, P.O. Box 602, Carson City 89713
I NEW HAMPSHIRE	-Department of Employment Security, 32 South Main Street, Concord 03301
II NEW JERSEY	-Department of Labor and Industry, John Fitch Plaza, Room 202, Trenton 08625
VI NEW MEXICO	-Employment Services Division, Department of Human Services, P.O. Box 1928, Albuquerque 87103
II NEW YORK	-Division of Research and Statistics, Department of Labor, State Campus-Building 12, Albany 12201
IV NORTH CAROLINA	-Employment Security Commission, P.O. Box 25903, Raleigh 27611
VII NORTH DAKOTA	-Employment Security Bureau, P.O. Box 1537, Bismarck 58505
V OHIO	-Division of Research and Statistics, Bureau of Employment Services, 145 S. Front St., Columbus 43216
VI OKLAHOMA	-Employment Security Commission, 310 Will Roger Memorial Office Building, Oklahoma City 73105
X OREGON	-Employment Division, Department of Human Resources, 875 Union Street, N.E., Salem 97311
III PENNSYLVANIA	-Department of Labor and Industry, Seventh and Forster Streets, Harrisburg 17121
II PUERTO RICO	-Department of Labor, 414 Barbosa Avenue, Hato Rey 00917
I RHODE ISLAND	-Department of Employment Security, 24 Mason Street, Providence 02903
IV SOUTH CAROLINA	-Employment Security Commission, P.O. Box 995, Columbia 29202
VII SOUTH DAKOTA	-Department of Labor, P.O. Box 1730, Aberdeen 57401
IV TENNESSEE	-Department of Employment Security, 436-6th Avenue, North, Room 519, Nashville 37219
VI TEXAS	-Employment Commission, 1117 Trinity Street, Austin 78701
VIII UTAH	-Department of Employment Security, P.O. Box 11249, Salt Lake City 84147
I VERMONT	-Department of Employment Security, P.O. Box 488, Montpelier 05602
III VIRGINIA	-Division of Research and Statistics, Department of Labor and Industry, P.O. Box 12064, Richmond 23241 (CES). Employment Commission, P.O. Box 1358, Richmond 23111 (LAUS and LTS)
II VIRGIN ISLANDS	-Division of Employment Security, P.O. Box 1092, St. Thomas 00801 (CES)
X WASHINGTON	-Employment and Security Department, 212 Maple Park, Olympia 98504
III WEST VIRGINIA	-Department of Employment Security, 112 California Avenue, Charleston 25305
V WISCONSIN	-Department of Industry, Labor, and Human Relations, P.O. Box 7944, Madison 53707
VII WYOMING	-Employment Security Commission, P.O. Box 2760, Casper 82601